APPENDIX 5.3 BIG-1

AIR QUALITY TECHNICAL REPORT

*PART 4

4089 490863.09, 3854877.25	0.00386	0.00463	6.05E-04	7.56E-04	5.70E-04	5.83E-04	5.50E-04	1.60E-04	1.92E-04	3.52E-04	1.56E-04	1.87E-04	3.44E-04	1.54E-04	1.85E-04	3.39E-04
4090 491363.09, 3854877.25	0.00395	0.00473	6.19E-04	7.72E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.96E-04	3.60E-04	1.60E-04	1.91E-04	3.51E-04	1.58E-04	1.89E-04	3.47E-04
4091 491863.09, 3854877.25	0.00462	0.00553	7.24E-04	9.03E-04	6.82E-04	6.98E-04	6.59E-04	1.92E-04	2.29E-04	4.21E-04	1.87E-04	2.24E-04	4.11E-04	1.85E-04	2.21E-04	4.05E-04
4092 492363.09, 3854877.25	0.00459	0.00539	7.19E-04	8.80E-04	6.77E-04	6.94E-04	6.54E-04	1.90E-04	2.24E-04	4.14E-04	1.86E-04	2.18E-04	4.04E-04	1.83E-04	2.15E-04	3.99E-04
4093 492863.09, 3854877.25	0.00444	0.00515	6.96E-04	8.41E-04	6.55E-04	6.71E-04	6.33E-04	1.84E-04	2.14E-04	3.98E-04	1.80E-04	2.08E-04	3.88E-04	1.77E-04	2.06E-04	3.83E-04
4094 493363.09, 3854877.25	0.00425	0.00489	6.66E-04	7.98E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	2.03E-04	3.79E-04	1.72E-04	1.98E-04	3.70E-04	1.70E-04	1.95E-04	3.65E-04
4095 493863.09, 3854877.25	0.0041	0.00468	6.42E-04	7.64E-04	6.05E-04	6.20E-04	5.85E-04	1.70E-04	1.94E-04	3.64E-04	1.66E-04	1.89E-04	3.55E-04	1.64E-04	1.87E-04	3.51E-04
4096 494363.09, 3854877.25	0.00363	0.00409	5.69E-04	6.68E-04	5.36E-04	5.49E-04	5.18E-04	1.51E-04	1.70E-04	3.20E-04	1.47E-04	1.66E-04	3.13E-04	1.45E-04	1.63E-04	3.08E-04
4097 494863.09, 3854877.25	0.00317	0.00348	4.97E-04	5.68E-04	4.68E-04	4.79E-04	4.52E-04	1.32E-04	1.44E-04	2.76E-04	1.28E-04	1.41E-04	2.69E-04	1.27E-04	1.39E-04	2.66E-04
4098 495363.09, 3854877.25	0.00288	0.0031	4.51E-04	5.06E-04	4.25E-04	4.35E-04	4.11E-04	1.19E-04	1.29E-04	2.48E-04	1.17E-04	1.26E-04	2.42E-04	1.15E-04	1.24E-04	2.39E-04
4099 495863.09, 3854877.25	0.00272	0.00289	4.26E-04	4.72E-04	4.01E-04	4.11E-04	3.88E-04	1.13E-04	1.20E-04	2.33E-04	1.10E-04	1.17E-04	2.27E-04	1.09E-04	1.15E-04	2.24E-04
4100 496363.09, 3854877.25	0.0025	0.00261	3.92E-04	4.26E-04	3.69E-04	3.78E-04	3.56E-04	1.04E-04	1.08E-04	2.12E-04	1.01E-04	1.06E-04	2.07E-04	9.99E-05	1.04E-04	2.04E-04
4101 496863.09, 3854877.25	0.00236	0.00245	3.70E-04	4.00E-04	3.48E-04	3.57E-04	3.36E-04	9.79E-05	1.02E-04	2.00E-04	9.55E-05	9.92E-05	1.95E-04	9.43E-05	9.79E-05	1.92E-04
4102 497363.09, 3854877.25	0.00232	0.0024	3.63E-04	3.92E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.96E-05	1.96E-04	9.39E-05	9.72E-05	1.91E-04	9.27E-05	9.59E-05	1.89E-04
4103 497863.09, 3854877.25	0.0024	0.00248	3.76E-04	4.05E-04	3.54E-04	3.63E-04	3.42E-04	9.96E-05	1.03E-04	2.02E-04	9.72E-05	1.00E-04	1.98E-04	9.59E-05	9.91E-05	1.95E-04
4104 498363.09, 3854877.25	0.00237	0.00244	3.71E-04	3.98E-04	3.50E-04	3.58E-04	3.38E-04	9.83E-05	1.01E-04	2.00E-04	9.59E-05	9.88E-05	1.95E-04	9.47E-05	9.75E-05	1.92E-04
4105 471363.09, 3855377.25	0.00141	0.00142	2.21E-04	2.32E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.89E-05	1.17E-04	5.71E-05	5.75E-05	1.15E-04	5.63E-05	5.67E-05	1.13E-04
4106 471863.09, 3855377.25	0.00144	0.00145	2.26E-04	2.37E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	6.02E-05	1.20E-04	5.83E-05	5.87E-05	1.17E-04	5.75E-05	5.79E-05	1.15E-04
4107 472363.09, 3855377.25	0.00149	0.0015	2.33E-04	2.45E-04	2.20E-04	2.25E-04	2.12E-04	6.18E-05	6.22E-05	1.24E-04	6.03E-05	6.07E-05	1.21E-04	5.95E-05	5.99E-05	1.19E-04
4108 472863.09, 3855377.25	0.00151	0.00152	2.37E-04	2.48E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.31E-05	1.26E-04	6.11E-05	6.15E-05	1.23E-04	6.03E-05	6.07E-05	1.21E-04
4109 473363.09, 3855377.25	0.00158	0.00159	2.48E-04	2.60E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.60E-05	1.32E-04	6.40E-05	6.44E-05	1.28E-04	6.31E-05	6.35E-05	1.27E-04
4110 473863.09, 3855377.25	0.00164	0.00165	2.57E-04	2.69E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.85E-05	1.36E-04	6.64E-05	6.68E-05	1.33E-04	6.55E-05	6.59E-05	1.31E-04
4111 474363.09, 3855377.25	0.00169	0.0017	2.65E-04	2.77E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	7.05E-05	1.41E-04	6.84E-05	6.88E-05	1.37E-04	6.75E-05	6.79E-05	1.35E-04
4112 474863.09, 3855377.25	0.00158	0.00159	2.48E-04	2.60E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.60E-05	1.32E-04	6.40E-05	6.44E-05	1.28E-04	6.31E-05	6.35E-05	1.27E-04
4113 475363.09, 3855377.25	0.00128	0.00126	2.01E-04	2.06E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.23E-05	1.05E-04	5.18E-05	5.10E-05	1.03E-04	5.11E-05	5.03E-05	1.01E-04
4114 475863.09, 3855377.25	0.00123	0.00119	1.93E-04	1.94E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.94E-05	1.00E-04	4.98E-05	4.82E-05	9.80E-05	4.91E-05	4.75E-05	9.67E-05
4115 476363.09, 3855377.25	0.00131	0.00127	2.05E-04	2.07E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.27E-05	1.07E-04	5.30E-05	5.14E-05	1.04E-04	5.23E-05	5.07E-05	1.03E-04
4116 476863.09, 3855377.25	0.00134	0.00129	2.10E-04	2.11E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.35E-05	1.09E-04	5.42E-05	5.22E-05	1.06E-04	5.35E-05	5.15E-05	1.05E-04
4117 477363.09, 3855377.25	0.00141	0.00136	2.21E-04	2.22E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.64E-05	1.15E-04	5.71E-05	5.51E-05	1.12E-04	5.63E-05	5.43E-05	1.11E-04
4118 477863.09, 3855377.25	0.00156	0.00151	2.44E-04	2.46E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.26E-05	1.27E-04	6.32E-05	6.11E-05	1.24E-04	6.23E-05	6.03E-05	1.23E-04
4119 478363.09, 3855377.25	0.00173	0.00169	2.71E-04	2.76E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	7.01E-05	1.42E-04	7.00E-05	6.84E-05	1.38E-04	6.91E-05	6.75E-05	1.37E-04
4120 478863.09, 3855377.25	0.00192	0.00188	3.01E-04	3.07E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	7.80E-05	1.58E-04	7.77E-05	7.61E-05	1.54E-04	7.67E-05	7.51E-05	1.52E-04
4121 479363.09, 3855377.25	0.00214	0.00214	3.35E-04	3.49E-04	3.16E-04	3.23E-04	3.05E-04	8.88E-05	8.88E-05	1.78E-04	8.66E-05	8.66E-05	1.73E-04	8.55E-05	8.55E-05	1.71E-04
4122 479863.09, 3855377.25	0.00239	0.00242	3.74E-04	3.95E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.00E-04	2.00E-04	9.68E-05	9.80E-05	1.95E-04	9.55E-05	9.67E-05	1.92E-04
4123 480363.09, 3855377.25	0.00279	0.00289	4.37E-04	4.72E-04	4.12E-04	4.22E-04	3.98E-04	1.16E-04	1.20E-04	2.36E-04	1.13E-04	1.17E-04	2.30E-04	1.11E-04	1.15E-04	2.27E-04
4124 480863.09, 3855377.25	0.00344	0.00345	5.39E-04	5.63E-04	5.08E-04	5.20E-04	4.90E-04	1.43E-04	1.43E-04	2.86E-04	1.39E-04	1.40E-04	2.79E-04	1.37E-04	1.38E-04	2.75E-04
4125 481363.09, 3855377.25	0.00441	0.00401	6.91E-04	6.55E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.66E-04	3.49E-04	1.79E-04	1.62E-04	3.41E-04	1.76E-04	1.60E-04	3.36E-04
4126 481863.09, 3855377.25	0.00564	0.00448	8.84E-04	7.31E-04	8.32E-04	8.53E-04	8.04E-04	2.34E-04	1.86E-04	4.20E-04	2.28E-04	1.81E-04	4.10E-04	2.25E-04	1.79E-04	4.04E-04
4127 482363.09, 3855377.25	0.00741	0.00493	1.16E-03	8.05E-04	1.09E-03	1.12E-03	1.06E-03	3.07E-04	2.05E-04	5.12E-04	3.00E-04	2.00E-04	5.00E-04	2.96E-04	1.97E-04	4.93E-04
4128 482863.09, 3855377.25	0.01098	0.00566	1.72E-03	9.24E-04	1.62E-03	1.66E-03	1.57E-03	4.56E-04	2.35E-04	6.90E-04	4.45E-04	2.29E-04	6.74E-04	4.39E-04	2.26E-04	6.65E-04
4129 483363.09, 3855377.25	0.02439	0.00675	3.82E-03	1.10E-03	3.60E-03	3.69E-03	3.48E-03	1.01E-03	2.80E-04	1.29E-03	9.87E-04	2.73E-04	1.26E-03	9.74E-04	2.70E-04	1.24E-03
4130 483863.09, 3855377.25	0.15792	0.009	2.47E-02	1.47E-03	2.33E-02	2.39E-02	2.25E-02	6.55E-03	3.73E-04	6.93E-03	6.39E-03	3.64E-04	6.76E-03	6.31E-03	3.60E-04	6.67E-03
4131 484363.09, 3855377.25	0.03146	0.01369	4.93E-03	2.23E-03	4.64E-03	4.76E-03	4.49E-03	1.31E-03	5.68E-04	1.87E-03	1.27E-03	5.54E-04	1.83E-03	1.26E-03	5.47E-04	1.80E-03
4132 484863.09, 3855377.25	0.01891	0.03747	2.96E-03	6.12E-03	2.79E-03	2.86E-03	2.70E-03	7.85E-04	1.55E-03	2.34E-03	7.66E-04	1.52E-03	2.28E-03	7.55E-04	1.50E-03	2.25E-03
4133 485363.09, 3855377.25	0.01353	0.08666	2.12E-03	1.41E-02	2.00E-03	2.05E-03	1.93E-03	5.61E-04	3.60E-03	4.16E-03	5.48E-04	3.51E-03	4.06E-03	5.40E-04	3.46E-03	4.00E-03
4134 485863.09, 3855377.25	0.01077	0.03164	1.69E-03	5.16E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	1.31E-03	1.76E-03	4.36E-04	1.28E-03	1.72E-03	4.30E-04	1.26E-03	1.69E-03
4135 486363.09, 3855377.25	0.00889	0.0196	1.39E-03	3.20E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	8.13E-04	1.18E-03	3.60E-04	7.93E-04	1.15E-03	3.55E-04	7.83E-04	1.14E-03
4136 486863.09, 3855377.25	0.0077	0.01436	1.21E-03	2.34E-03	1.14E-03	1.16E-03	1.10E-03	3.19E-04	5.96E-04	9.15E-04	3.12E-04	5.81E-04	8.93E-04	3.08E-04	5.74E-04	8.81E-04
4137 487363.09, 3855377.25	0.00728	0.01227	1.14E-03	2.00E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	5.09E-04	8.11E-04	2.95E-04	4.97E-04	7.91E-04	2.91E-04	4.90E-04	7.81E-04
4138 487863.09, 3855377.25	0.00686	0.01073	1.07E-03	1.75E-03	1.01E-03	1.04E-03	9.78E-04	2.85E-04	4.45E-04	7.30E-04	2.78E-04	4.34E-04	7.12E-04	2.74E-04	4.29E-04	7.03E-04
4139 488363.09, 3855377.25	0.0065	0.00956	1.02E-03	1.56E-03	9.59E-04	9.83E-04	9.27E-04	2.70E-04	3.97E-04	6.66E-04	2.63E-04	3.87E-04	6.50E-04	2.60E-04	3.82E-04	6.42E-04
4140 488863.09, 3855377.25	0.00623	0.00868	9.76E-04	1.42E-03	9.19E-04	9.42E-04	8.88E-04	2.58E-04	3.60E-04	6.19E-04	2.52E-04	3.51E-04	6.04E-04	2.49E-04	3.47E-04	5.96E-04
4141 489363.09, 3855377.25	0.00598	0.00798	9.37E-04	1.30E-03	8.83E-04	9.04E-04	8.53E-04	2.48E-04	3.31E-04	5.79E-04	2.42E-04	3.23E-04	5.65E-04	2.39E-04	3.19E-04	5.58E-04
4142 489863.09, 3855377.25	0.00569	0.00739	8.91E-04	1.21E-03	8.40E-04	8.60E-04	8.11E-04	2.36E-04	3.07E-04	5.43E-04	2.30E-04	2.99E-04	5.30E-04	2.27E-04	2.95E-04	5.23E-04
4143 490363.09, 3855377.25	0.0056	0.007	8.77E-04	1.14E-03	8.26E-04	8.47E-04	7.98E-04	2.32E-04	2.90E-04	5.23E-04	2.27E-04	2.83E-04	5.10E-04	2.24E-04	2.80E-04	5.03E-04
4144 490863.09, 3855377.25	0.00446	0.00556	6.99E-04	9.08E-04	6.58E-04	6.74E-04	6.36E-04	1.85E-04	2.31E-04	4.16E-04	1.81E-04	2.25E-04	4.06E-04	1.78E-04	2.22E-04	4.00E-04
4145 491363.09, 3855377.25	0.00414	0.00499	6.49E-04	8.15E-04	6.11E-04	6.26E-04	5.90E-04	1.72E-04	2.07E-04	3.79E-04	1.68E-04	2.02E-04	3.70E-04	1.65E-04	1.99E-04	3.65E-04
4146 491863.09, 3855377.25	0.00492	0.00586	7.71E-04	9.57E-04	7.26E-04	7.44E-04	7.02E-04	2.04E-04	2.43E-04	4.47E-04	1.99E-04	2.37E-04	4.36E-04	1.97E-04	2.34E-04	4.31E-04
4147 492363.09, 3855377.25	0.00485	0.00565	7.60E-04	9.22E-04	7.16E-04	7.33E-04	6.92E-04	2.01E-04	2.34E-04	4.36E-04	1.96E-04	2.29E-04	4.25E-04	1.94E-04	2.26E-04	4.19E-04
4148 492863.09, 3855377.25	0.00465	0.00537	7.28E-04	8.77E-04	6.86E-04	7.03E-04	6.63E-04	1.93E-04	2.23E-04	4.16E-04	1.88E-04	2.17E-04	4.06E-04	1.86E-04	2.15E-04	4.00E-04
4149 493363.09, 3855377.25	0.00432	0.00499	6.77E-04	8.15E-04	6.38E-04	6.53E-04	6.16E-04	1.79E-04	2.07E-04	3.86E-04	1.75E-04	2.02E-04	3.77E-04	1.73E-04	1.99E-04	3.72E-04
4150 493863.09, 3855377.25	0.00384	0.00436	6.02E-04	7.12E-04	5.67E-04	5.80E-04	5.48E-04	1.59E-04	1.81E-04	3.40E-04	1.55E-04	1.77E-04	3.32E-04	1.53E-04	1.74E-04	3.28E-04
4151 494363.09, 3855377.25	0.00336	0.0037	5.26E-04	6.04E-04	4.96E-04	5.08E-04	4.79E-04	1.39E-04	1.54E-04	2.93E-04	1.36E-04	1.50E-04	2.86E-04	1.34E-04	1.48E-04	2.82E-04
4152 494863.09, 3855377.25	0.00295	0.00315	4.62E-04	5.14E-04	4.35E-04	4.46E-04	4.21E-04	1.22E-04	1.31E-04	2.53E-04	1.19E-04	1.28E-04	2.47E-04	1.18E-04	1.26E-04	2.44E-04
4153 495363.09, 3855377.25	0.00267	0.0028	4.18E-04	4.57E-04	3.94E-04	4.04E-04	3.81E-04	1.11E-04	1.16E-04	2.27E-04	1.08E-04	1.13E-04	2.21E-04	1.07E-04	1.12E-04	2.19E-04
4154 495863.09, 3855377.25	0.00247	0.00256	3.87E-04	4.18E-04	3.65E-04	3.73E-04	3.52E-04	1.02E-04	1.06E-04	2.09E-04	1.00E-04	1.04E-04	2.04E-04	9.87E-05	1.02E-04	2.01E-04

4155 496363.09, 3855377.25	0.00243	0.0025	3.81E-04	4.08E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.04E-04	2.05E-04	9.84E-05	1.01E-04	2.00E-04	9.71E-05	9.99E-05	1.97E-04
4156 496863.09, 3855377.25	0.00239	0.00245	3.74E-04	4.00E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.02E-04	2.01E-04	9.68E-05	9.92E-05	1.96E-04	9.55E-05	9.79E-05	1.93E-04
4157 497363.09, 3855377.25	0.00239	0.00246	3.74E-04	4.02E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.02E-04	2.01E-04	9.68E-05	9.96E-05	1.96E-04	9.55E-05	9.83E-05	1.94E-04
4158 497863.09, 3855377.25	0.00244	0.00249	3.82E-04	4.06E-04	3.60E-04	3.69E-04	3.48E-04	1.01E-04	1.03E-04	2.05E-04	9.88E-05	1.01E-04	2.00E-04	9.75E-05	9.95E-05	1.97E-04
4159 498363.09, 3855377.25	0.00249	0.00255	3.90E-04	4.16E-04	3.67E-04	3.76E-04	3.55E-04	1.03E-04	1.06E-04	2.09E-04	1.01E-04	1.03E-04	2.04E-04	9.95E-05	1.02E-04	2.01E-04
4160 471363.09, 3855877.25	0.00138	0.00139	2.16E-04	2.27E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.77E-05	1.15E-04	5.59E-05	5.63E-05	1.12E-04	5.51E-05	5.55E-05	1.11E-04
4161 471863.09, 3855877.25	0.00141	0.00143	2.21E-04	2.33E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.93E-05	1.18E-04	5.71E-05	5.79E-05	1.15E-04	5.63E-05	5.71E-05	1.13E-04
4162 472363.09, 3855877.25	0.00147	0.00149	2.30E-04	2.43E-04	2.17E-04	2.22E-04	2.10E-04	6.10E-05	6.18E-05	1.23E-04	5.95E-05	6.03E-05	1.20E-04	5.87E-05	5.95E-05	1.18E-04
4163 472863.09, 3855877.25	0.00148	0.0015	2.32E-04	2.45E-04	2.18E-04	2.24E-04	2.11E-04	6.14E-05	6.22E-05	1.24E-04	5.99E-05	6.07E-05	1.21E-04	5.91E-05	5.99E-05	1.19E-04
4164 473363.09, 3855877.25	0.00155	0.00158	2.43E-04	2.58E-04	2.29E-04	2.34E-04	2.21E-04	6.43E-05	6.56E-05	1.30E-04	6.28E-05	6.40E-05	1.27E-04	6.19E-05	6.31E-05	1.25E-04
4165 473863.09, 3855877.25	0.00161	0.00164	2.52E-04	2.68E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.80E-05	1.35E-04	6.52E-05	6.64E-05	1.32E-04	6.43E-05	6.55E-05	1.30E-04
4166 474363.09, 3855877.25	0.00165	0.00168	2.58E-04	2.74E-04	2.44E-04	2.49E-04	2.35E-04	6.85E-05	6.97E-05	1.38E-04	6.68E-05	6.80E-05	1.35E-04	6.59E-05	6.71E-05	1.33E-04
4167 474863.09, 3855877.25	0.00151	0.00154	2.37E-04	2.51E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.39E-05	1.27E-04	6.11E-05	6.23E-05	1.23E-04	6.03E-05	6.15E-05	1.22E-04
4168 475363.09, 3855877.25	0.00132	0.00131	2.07E-04	2.14E-04	1.95E-04	2.00E-04	1.88E-04	5.48E-05	5.43E-05	1.09E-04	5.34E-05	5.30E-05	1.06E-04	5.27E-05	5.23E-05	1.05E-04
4169 475863.09, 3855877.25	0.0011	0.00107	1.72E-04	1.75E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.44E-05	9.00E-05	4.45E-05	4.33E-05	8.79E-05	4.39E-05	4.27E-05	8.67E-05
4170 476363.09, 3855877.25	0.00114	0.00111	1.79E-04	1.81E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.61E-05	9.33E-05	4.62E-05	4.49E-05	9.11E-05	4.55E-05	4.43E-05	8.99E-05
4171 476863.09, 3855877.25	0.0013	0.00126	2.04E-04	2.06E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.23E-05	1.06E-04	5.26E-05	5.10E-05	1.04E-04	5.19E-05	5.03E-05	1.02E-04
4172 477363.09, 3855877.25	0.00141	0.00137	2.21E-04	2.24E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.68E-05	1.15E-04	5.71E-05	5.55E-05	1.13E-04	5.63E-05	5.47E-05	1.11E-04
4173 477863.09, 3855877.25	0.00152	0.00149	2.38E-04	2.43E-04	2.24E-04	2.30E-04	2.17E-04	6.31E-05	6.18E-05	1.25E-04	6.15E-05	6.03E-05	1.22E-04	6.07E-05	5.95E-05	1.20E-04
4174 478363.09, 3855877.25	0.00168	0.00166	2.63E-04	2.71E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.89E-05	1.39E-04	6.80E-05	6.72E-05	1.35E-04	6.71E-05	6.63E-05	1.33E-04
4175 478863.09, 3855877.25	0.00186	0.00186	2.91E-04	3.04E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.72E-05	1.54E-04	7.53E-05	7.53E-05	1.51E-04	7.43E-05	7.43E-05	1.49E-04
4176 479363.09, 3855877.25	0.00209	0.00213	3.27E-04	3.48E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.84E-05	1.75E-04	8.46E-05	8.62E-05	1.71E-04	8.35E-05	8.51E-05	1.69E-04
4177 479863.09, 3855877.25	0.00232	0.0024	3.63E-04	3.92E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.96E-05	1.96E-04	9.39E-05	9.72E-05	1.91E-04	9.27E-05	9.59E-05	1.89E-04
4178 480363.09, 3855877.25	0.00266	0.00277	4.17E-04	4.52E-04	3.93E-04	4.02E-04	3.79E-04	1.10E-04	1.15E-04	2.25E-04	1.08E-04	1.12E-04	2.20E-04	1.06E-04	1.11E-04	2.17E-04
4179 480863.09, 3855877.25	0.00314	0.0032	4.92E-04	5.22E-04	4.63E-04	4.75E-04	4.48E-04	1.30E-04	1.33E-04	2.63E-04	1.27E-04	1.30E-04	2.57E-04	1.25E-04	1.28E-04	2.53E-04
4180 481363.09, 3855877.25	0.00339	0.00343	5.31E-04	5.60E-04	5.00E-04	5.12E-04	4.83E-04	1.41E-04	1.42E-04	2.83E-04	1.37E-04	1.39E-04	2.76E-04	1.35E-04	1.37E-04	2.72E-04
4181 481863.09, 3855877.25	0.00483	0.00395	7.57E-04	6.45E-04	7.13E-04	7.30E-04	6.89E-04	2.00E-04	1.64E-04	3.64E-04	1.96E-04	1.60E-04	3.55E-04	1.93E-04	1.58E-04	3.51E-04
4182 482363.09, 3855877.25	0.0059	0.00419	9.24E-04	6.84E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	1.74E-04	4.19E-04	2.39E-04	1.70E-04	4.08E-04	2.36E-04	1.67E-04	4.03E-04
4183 482863.09, 3855877.25	0.00745	0.00463	1.17E-03	7.56E-04	1.10E-03	1.13E-03	1.06E-03	3.09E-04	1.92E-04	5.01E-04	3.02E-04	1.87E-04	4.89E-04	2.98E-04	1.85E-04	4.83E-04
4184 483363.09, 3855877.25	0.01062	0.00523	1.66E-03	8.54E-04	1.57E-03	1.61E-03	1.51E-03	4.41E-04	2.17E-04	6.58E-04	4.30E-04	2.12E-04	6.42E-04	4.24E-04	2.09E-04	6.33E-04
4185 483863.09, 3855877.25	0.02192	0.00624	3.43E-03	1.02E-03	3.24E-03	3.31E-03	3.13E-03	9.09E-04	2.59E-04	1.17E-03	8.87E-04	2.53E-04	1.14E-03	8.76E-04	2.49E-04	1.12E-03
4186 484363.09, 3855877.25	0.25544	0.00823	4.00E-02	1.34E-03	3.77E-02	3.86E-02	3.64E-02	1.06E-02	3.41E-04	1.09E-02	1.03E-02	3.33E-04	1.07E-02	1.02E-02	3.29E-04	1.05E-02
4187 484863.09, 3855877.25	0.04005	0.01232	6.27E-03	2.01E-03	5.91E-03	6.05E-03	5.71E-03	1.66E-03	5.11E-04	2.17E-03	1.62E-03	4.99E-04	2.12E-03	1.60E-03	4.92E-04	2.09E-03
4188 485363.09, 3855877.25	0.0222	0.0329	3.48E-03	5.37E-03	3.28E-03	3.36E-03	3.17E-03	9.21E-04	1.36E-03	2.29E-03	8.99E-04	1.33E-03	2.23E-03	8.87E-04	1.31E-03	2.20E-03
4189 485863.09, 3855877.25	0.01524	0.09566	2.39E-03	1.56E-02	2.25E-03	2.30E-03	2.17E-03	6.32E-04	3.97E-03	4.60E-03	6.17E-04	3.87E-03	4.49E-03	6.09E-04	3.82E-03	4.43E-03
4190 486363.09, 3855877.25	0.01144	0.03109	1.79E-03	5.07E-03	1.69E-03	1.73E-03	1.63E-03	4.75E-04	1.29E-03	1.76E-03	4.63E-04	1.26E-03	1.72E-03	4.57E-04	1.24E-03	1.70E-03
4191 486863.09, 3855877.25	0.0096	0.01969	1.50E-03	3.21E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	8.17E-04	1.22E-03	3.89E-04	7.97E-04	1.19E-03	3.83E-04	7.87E-04	1.17E-03
4192 487363.09, 3855877.25	0.00888	0.01567	1.39E-03	2.56E-03	1.31E-03	1.34E-03	1.27E-03	3.68E-04	6.50E-04	1.02E-03	3.60E-04	6.34E-04	9.94E-04	3.55E-04	6.26E-04	9.81E-04
4193 487863.09, 3855877.25	0.00833	0.01315	1.30E-03	2.15E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	5.46E-04	8.91E-04	3.37E-04	5.32E-04	8.70E-04	3.33E-04	5.25E-04	8.58E-04
4194 488363.09, 3855877.25	0.00776	0.01129	1.22E-03	1.84E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	4.68E-04	7.90E-04	3.14E-04	4.57E-04	7.71E-04	3.10E-04	4.51E-04	7.61E-04
4195 488863.09, 3855877.25	0.00727	0.00994	1.14E-03	1.62E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	4.12E-04	7.14E-04	2.94E-04	4.02E-04	6.97E-04	2.90E-04	3.97E-04	6.87E-04
4196 489363.09, 3855877.25	0.00682	0.00889	1.07E-03	1.45E-03	1.01E-03	1.03E-03	9.72E-04	2.83E-04	3.69E-04	6.52E-04	2.76E-04	3.60E-04	6.36E-04	2.72E-04	3.55E-04	6.28E-04
4197 489863.09, 3855877.25	0.00645	0.0081	1.01E-03	1.32E-03	9.52E-04	9.75E-04	9.20E-04	2.68E-04	3.36E-04	6.04E-04	2.61E-04	3.28E-04	5.89E-04	2.58E-04	3.24E-04	5.81E-04
4198 490363.09, 3855877.25	0.00618	0.00751	9.68E-04	1.23E-03	9.12E-04	9.34E-04	8.81E-04	2.56E-04	3.12E-04	5.68E-04	2.50E-04	3.04E-04	5.54E-04	2.47E-04	3.00E-04	5.47E-04
4199 490863.09, 3855877.25	0.0058	0.00699	9.09E-04	1.14E-03	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.90E-04	5.31E-04	2.35E-04	2.83E-04	5.18E-04	2.32E-04	2.79E-04	5.11E-04
4200 491363.09, 3855877.25	0.00521	0.00634	8.16E-04	1.03E-03	7.69E-04	7.88E-04	7.43E-04	2.16E-04	2.63E-04	4.79E-04	2.11E-04	2.57E-04	4.68E-04	2.08E-04	2.53E-04	4.61E-04
4201 491863.09, 3855877.25	0.0054	0.00625	8.46E-04	1.02E-03	7.97E-04	8.16E-04	7.70E-04	2.24E-04	2.59E-04	4.83E-04	2.19E-04	2.53E-04	4.72E-04	2.16E-04	2.50E-04	4.65E-04
4202 492363.09, 3855877.25	0.00511	0.00588	8.00E-04	9.60E-04	7.54E-04	7.72E-04	7.29E-04	2.12E-04	2.44E-04	4.56E-04	2.07E-04	2.38E-04	4.45E-04	2.04E-04	2.35E-04	4.39E-04
4203 492863.09, 3855877.25	0.00486	0.00554	7.61E-04	9.04E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	2.30E-04	4.31E-04	1.97E-04	2.24E-04	4.21E-04	1.94E-04	2.21E-04	4.15E-04
4204 493363.09, 3855877.25	0.00423	0.00482	6.63E-04	7.87E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	2.00E-04	3.75E-04	1.71E-04	1.95E-04	3.66E-04	1.69E-04	1.93E-04	3.62E-04
4205 493863.09, 3855877.25	0.00364	0.00402	5.70E-04	6.56E-04	5.37E-04	5.50E-04	5.19E-04	1.51E-04	1.67E-04	3.18E-04	1.47E-04	1.63E-04	3.10E-04	1.45E-04	1.61E-04	3.06E-04
4206 494363.09, 3855877.25	0.00315	0.00336	4.93E-04	5.48E-04	4.65E-04	4.76E-04	4.49E-04	1.31E-04	1.39E-04	2.70E-04	1.28E-04	1.36E-04	2.64E-04	1.26E-04	1.34E-04	2.60E-04
4207 494863.09, 3855877.25	0.00283	0.00294	4.43E-04	4.80E-04	4.18E-04	4.28E-04	4.04E-04	1.17E-04	1.22E-04	2.39E-04	1.15E-04	1.19E-04	2.34E-04	1.13E-04	1.17E-04	2.30E-04
4208 495363.09, 3855877.25	0.0025	0.00255	3.92E-04	4.16E-04	3.69E-04	3.78E-04	3.56E-04	1.04E-04	1.06E-04	2.10E-04	1.01E-04	1.03E-04	2.04E-04	9.99E-05	1.02E-04	2.02E-04
4209 495863.09, 3855877.25	0.00246	0.0025	3.85E-04	4.08E-04	3.63E-04	3.72E-04	3.51E-04	1.02E-04	1.04E-04	2.06E-04	9.96E-05	1.01E-04	2.01E-04	9.83E-05	9.99E-05	1.98E-04
4210 496363.09, 3855877.25	0.00243	0.00247	3.81E-04	4.03E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.02E-04	2.03E-04	9.84E-05	1.00E-04	1.98E-04	9.71E-05	9.87E-05	1.96E-04
4211 496863.09, 3855877.25	0.00245	0.00249	3.84E-04	4.06E-04	3.62E-04	3.70E-04	3.49E-04	1.02E-04	1.03E-04	2.05E-04	9.92E-05	1.01E-04	2.00E-04	9.79E-05	9.95E-05	1.97E-04
4212 497363.09, 3855877.25	0.00248	0.00252	3.88E-04	4.11E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.05E-04	2.07E-04	1.00E-04	1.02E-04	2.02E-04	9.91E-05	1.01E-04	2.00E-04
4213 497863.09, 3855877.25	0.00254	0.00257	3.98E-04	4.19E-04	3.75E-04	3.84E-04	3.62E-04	1.05E-04	1.07E-04	2.12E-04	1.03E-04	1.04E-04	2.07E-04	1.01E-04	1.03E-04	2.04E-04
4214 498363.09, 3855877.25	0.00266	0.00272	4.17E-04	4.44E-04	3.93E-04	4.02E-04	3.79E-04	1.10E-04	1.13E-04	2.23E-04	1.08E-04	1.10E-04	2.18E-04	1.06E-04	1.09E-04	2.15E-04
4215 471363.09, 3856377.25	0.00132	0.00134	2.07E-04	2.19E-04	1.95E-04	2.00E-04	1.88E-04	5.48E-05	5.56E-05	1.10E-04	5.34E-05	5.42E-05	1.08E-04	5.27E-05	5.35E-05	1.06E-04
4216 471863.09, 3856377.25	0.00135	0.00137	2.11E-04	2.24E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.68E-05	1.13E-04	5.47E-05	5.55E-05	1.10E-04	5.39E-05	5.47E-05	1.09E-04
4217 472363.09, 3856377.25	0.00141	0.00143	2.21E-04	2.33E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.93E-05	1.18E-04	5.71E-05	5.79E-05	1.15E-04	5.63E-05	5.71E-05	1.13E-04
4218 472863.09, 3856377.25	0.00146	0.00149	2.29E-04	2.43E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	6.18E-05	1.22E-04	5.91E-05	6.03E-05	1.19E-04	5.83E-05	5.95E-05	1.18E-04
4219 473363.09, 3856377.25	0.00151	0.00154	2.37E-04	2.51E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.39E-05	1.27E-04	6.11E-05	6.23E-05	1.23E-04	6.03E-05	6.15E-05	1.22E-04
4220 473863.09, 3856377.25	0.00159	0.00162	2.49E-04	2.64E-04	2.35E-04	2.40E-04	2.27E-04	6.60E-05	6.72E-05	1.33E-04	6.44E-05	6.56E-05	1.30E-04	6.35E-05	6.47E-05	1.28E-04

4221 474363.09, 3856377.25	0.00158	0.00162	2.48E-04	2.64E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.72E-05	1.33E-04	6.40E-05	6.56E-05	1.30E-04	6.31E-05	6.47E-05	1.28E-04
4222 474863.09, 3856377.25	0.00153	0.00158	2.40E-04	2.58E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.56E-05	1.29E-04	6.19E-05	6.40E-05	1.26E-04	6.11E-05	6.31E-05	1.24E-04
4223 475363.09, 3856377.25	0.00142	0.00146	2.22E-04	2.38E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	6.06E-05	1.19E-04	5.75E-05	5.91E-05	1.17E-04	5.67E-05	5.83E-05	1.15E-04
4224 475863.09, 3856377.25	0.00129	0.0013	2.02E-04	2.12E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.39E-05	1.07E-04	5.22E-05	5.26E-05	1.05E-04	5.15E-05	5.19E-05	1.03E-04
4225 476363.09, 3856377.25	0.00129	0.0013	2.02E-04	2.12E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.39E-05	1.07E-04	5.22E-05	5.26E-05	1.05E-04	5.15E-05	5.19E-05	1.03E-04
4226 476863.09, 3856377.25	0.00133	0.00133	2.08E-04	2.17E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.52E-05	1.10E-04	5.38E-05	5.38E-05	1.08E-04	5.31E-05	5.31E-05	1.06E-04
4227 477363.09, 3856377.25	0.0014	0.00139	2.19E-04	2.27E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	5.77E-05	1.16E-04	5.67E-05	5.63E-05	1.13E-04	5.59E-05	5.55E-05	1.11E-04
4228 477863.09, 3856377.25	0.00137	0.00134	2.15E-04	2.19E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.56E-05	1.12E-04	5.55E-05	5.42E-05	1.10E-04	5.47E-05	5.35E-05	1.08E-04
4229 478363.09, 3856377.25	0.00139	0.00134	2.18E-04	2.19E-04	2.05E-04	2.10E-04	1.98E-04	5.77E-05	5.56E-05	1.13E-04	5.63E-05	5.42E-05	1.11E-04	5.55E-05	5.35E-05	1.09E-04
4230 478863.09, 3856377.25	0.00168	0.00166	2.63E-04	2.71E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.89E-05	1.39E-04	6.80E-05	6.72E-05	1.35E-04	6.71E-05	6.63E-05	1.33E-04
4231 479363.09, 3856377.25	0.00185	0.00185	2.90E-04	3.02E-04	2.73E-04	2.80E-04	2.64E-04	7.68E-05	7.68E-05	1.54E-04	7.49E-05	7.49E-05	1.50E-04	7.39E-05	7.39E-05	1.48E-04
4232 479863.09, 3856377.25	0.00217	0.00225	3.40E-04	3.67E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	9.33E-05	1.83E-04	8.79E-05	9.11E-05	1.79E-04	8.67E-05	8.99E-05	1.77E-04
4233 480363.09, 3856377.25	0.00255	0.00264	3.99E-04	4.31E-04	3.76E-04	3.85E-04	3.64E-04	1.06E-04	1.10E-04	2.15E-04	1.03E-04	1.07E-04	2.10E-04	1.02E-04	1.05E-04	2.07E-04
4234 480863.09, 3856377.25	0.00296	0.00298	4.64E-04	4.86E-04	4.37E-04	4.47E-04	4.22E-04	1.23E-04	1.24E-04	2.46E-04	1.20E-04	1.21E-04	2.40E-04	1.18E-04	1.19E-04	2.37E-04
4235 481363.09, 3856377.25	0.00353	0.00329	5.53E-04	5.37E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.36E-04	2.83E-04	1.43E-04	1.33E-04	2.76E-04	1.41E-04	1.31E-04	2.72E-04
4236 481863.09, 3856377.25	0.00431	0.00358	6.75E-04	5.84E-04	6.36E-04	6.52E-04	6.15E-04	1.79E-04	1.49E-04	3.27E-04	1.74E-04	1.45E-04	3.19E-04	1.72E-04	1.43E-04	3.15E-04
4237 482363.09, 3856377.25	0.00501	0.00377	7.85E-04	6.15E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	1.56E-04	3.64E-04	2.03E-04	1.53E-04	3.55E-04	2.00E-04	1.51E-04	3.51E-04
4238 482863.09, 3856377.25	0.0059	0.00407	9.24E-04	6.64E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	1.69E-04	4.14E-04	2.39E-04	1.65E-04	4.04E-04	2.36E-04	1.63E-04	3.98E-04
4239 483363.09, 3856377.25	0.00726	0.00444	1.14E-03	7.25E-04	1.07E-03	1.10E-03	1.04E-03	3.01E-04	1.84E-04	4.85E-04	2.94E-04	1.80E-04	4.74E-04	2.90E-04	1.77E-04	4.67E-04
4240 483863.09, 3856377.25	0.01007	0.00503	1.58E-03	8.21E-04	1.49E-03	1.52E-03	1.44E-03	4.18E-04	2.09E-04	6.26E-04	4.08E-04	2.04E-04	6.11E-04	4.02E-04	2.01E-04	6.03E-04
4241 484363.09, 3856377.25	0.01851	0.00608	2.90E-03	9.92E-04	2.73E-03	2.80E-03	2.64E-03	7.68E-04	2.52E-04	1.02E-03	7.49E-04	2.46E-04	9.96E-04	7.39E-04	2.43E-04	9.82E-04
4242 484863.09, 3856377.25	0.19021	0.0078	2.98E-02	1.27E-03	2.81E-02	2.88E-02	2.71E-02	7.89E-03	3.24E-04	8.22E-03	7.70E-03	3.16E-04	8.02E-03	7.60E-03	3.12E-04	7.91E-03
4243 485363.09, 3856377.25	0.05315	0.01153	8.33E-03	1.88E-03	7.84E-03	8.03E-03	7.58E-03	2.21E-03	4.78E-04	2.68E-03	2.15E-03	4.67E-04	2.62E-03	2.12E-03	4.61E-04	2.58E-03
4244 485863.09, 3856377.25	0.02549	0.0289	3.99E-03	4.72E-03	3.76E-03	3.85E-03	3.63E-03	1.06E-03	1.20E-03	2.26E-03	1.03E-03	1.17E-03	2.20E-03	1.02E-03	1.15E-03	2.17E-03
4245 486363.09, 3856377.25	0.01554	0.11034	2.43E-03	1.80E-02	2.29E-03	2.35E-03	2.22E-03	6.45E-04	4.58E-03	5.22E-03	6.29E-04	4.47E-03	5.10E-03	6.21E-04	4.41E-03	5.03E-03
4246 486863.09, 3856377.25	0.01267	0.03485	1.98E-03	5.69E-03	1.87E-03	1.92E-03	1.81E-03	5.26E-04	1.45E-03	1.97E-03	5.13E-04	1.41E-03	1.92E-03	5.06E-04	1.39E-03	1.90E-03
4247 487363.09, 3856377.25	0.01113	0.02168	1.74E-03	3.54E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	8.99E-04	1.36E-03	4.51E-04	8.78E-04	1.33E-03	4.45E-04	8.66E-04	1.31E-03
4248 487863.09, 3856377.25	0.01022	0.01626	1.60E-03	2.65E-03	1.51E-03	1.54E-03	1.46E-03	4.24E-04	6.75E-04	1.10E-03	4.14E-04	6.58E-04	1.07E-03	4.08E-04	6.50E-04	1.06E-03
4249 488363.09, 3856377.25	0.00939	0.01332	1.47E-03	2.17E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	5.53E-04	9.42E-04	3.80E-04	5.39E-04	9.19E-04	3.75E-04	5.32E-04	9.07E-04
4250 488863.09, 3856377.25	0.00866	0.01138	1.36E-03	1.86E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	4.72E-04	8.31E-04	3.51E-04	4.61E-04	8.11E-04	3.46E-04	4.55E-04	8.01E-04
4251 489363.09, 3856377.25	0.00803	0.01001	1.26E-03	1.63E-03	1.19E-03	1.21E-03	1.14E-03	3.33E-04	4.15E-04	7.48E-04	3.25E-04	4.05E-04	7.30E-04	3.21E-04	4.00E-04	7.21E-04
4252 489863.09, 3856377.25	0.00748	0.00896	1.17E-03	1.46E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.72E-04	6.82E-04	3.03E-04	3.63E-04	6.66E-04	2.99E-04	3.58E-04	6.57E-04
4253 490363.09, 3856377.25	0.00694	0.00814	1.09E-03	1.33E-03	1.02E-03	1.05E-03	9.90E-04	2.88E-04	3.38E-04	6.26E-04	2.81E-04	3.30E-04	6.11E-04	2.77E-04	3.25E-04	6.02E-04
4254 490863.09, 3856377.25	0.00646	0.0075	1.01E-03	1.22E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	3.11E-04	5.79E-04	2.62E-04	3.04E-04	5.65E-04	2.58E-04	3.00E-04	5.58E-04
4255 491363.09, 3856377.25	0.00611	0.00698	9.57E-04	1.14E-03	9.02E-04	9.24E-04	8.71E-04	2.53E-04	2.90E-04	5.43E-04	2.47E-04	2.83E-04	5.30E-04	2.44E-04	2.79E-04	5.23E-04
4256 491863.09, 3856377.25	0.00577	0.00652	9.04E-04	1.06E-03	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.71E-04	5.10E-04	2.34E-04	2.64E-04	4.98E-04	2.30E-04	2.60E-04	4.91E-04
4257 492363.09, 3856377.25	0.00537	0.00606	8.41E-04	9.89E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.51E-04	4.74E-04	2.17E-04	2.45E-04	4.63E-04	2.15E-04	2.42E-04	4.57E-04
4258 492863.09, 3856377.25	0.00477	0.0054	7.47E-04	8.81E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	2.24E-04	4.22E-04	1.93E-04	2.19E-04	4.12E-04	1.91E-04	2.16E-04	4.06E-04
4259 493363.09, 3856377.25	0.00389	0.00426	6.09E-04	6.95E-04	5.74E-04	5.88E-04	5.55E-04	1.61E-04	1.77E-04	3.38E-04	1.57E-04	1.72E-04	3.30E-04	1.55E-04	1.70E-04	3.26E-04
4260 493863.09, 3856377.25	0.0035	0.00373	5.48E-04	6.09E-04	5.17E-04	5.29E-04	4.99E-04	1.45E-04	1.55E-04	3.00E-04	1.42E-04	1.51E-04	2.93E-04	1.40E-04	1.49E-04	2.89E-04
4261 494363.09, 3856377.25	0.00308	0.00318	4.82E-04	5.19E-04	4.55E-04	4.66E-04	4.39E-04	1.28E-04	1.32E-04	2.60E-04	1.25E-04	1.29E-04	2.53E-04	1.23E-04	1.27E-04	2.50E-04
4262 494863.09, 3856377.25	0.00276	0.0028	4.32E-04	4.57E-04	4.07E-04	4.17E-04	3.94E-04	1.15E-04	1.16E-04	2.31E-04	1.12E-04	1.13E-04	2.25E-04	1.10E-04	1.12E-04	2.22E-04
4263 495363.09, 3856377.25	0.00256	0.00257	4.01E-04	4.19E-04	3.78E-04	3.87E-04	3.65E-04	1.06E-04	1.07E-04	2.13E-04	1.04E-04	1.04E-04	2.08E-04	1.02E-04	1.03E-04	2.05E-04
4264 495863.09, 3856377.25	0.00251	0.00252	3.93E-04	4.11E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.05E-04	2.09E-04	1.02E-04	1.02E-04	2.04E-04	1.00E-04	1.01E-04	2.01E-04
4265 496363.09, 3856377.25	0.00251	0.00252	3.93E-04	4.11E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.05E-04	2.09E-04	1.02E-04	1.02E-04	2.04E-04	1.00E-04	1.01E-04	2.01E-04
4266 496863.09, 3856377.25	0.00256	0.00258	4.01E-04	4.21E-04	3.78E-04	3.87E-04	3.65E-04	1.06E-04	1.07E-04	2.13E-04	1.04E-04	1.04E-04	2.08E-04	1.02E-04	1.03E-04	2.05E-04
4267 497363.09, 3856377.25	0.00262	0.00264	4.10E-04	4.31E-04	3.87E-04	3.96E-04	3.74E-04	1.09E-04	1.10E-04	2.18E-04	1.06E-04	1.07E-04	2.13E-04	1.05E-04	1.05E-04	2.10E-04
4268 497863.09, 3856377.25	0.0027	0.00274	4.23E-04	4.47E-04	3.98E-04	4.08E-04	3.85E-04	1.12E-04	1.14E-04	2.26E-04	1.09E-04	1.11E-04	2.20E-04	1.08E-04	1.09E-04	2.17E-04
4269 498363.09, 3856377.25	0.00281	0.00287	4.40E-04	4.68E-04	4.15E-04	4.25E-04	4.01E-04	1.17E-04	1.19E-04	2.36E-04	1.14E-04	1.16E-04	2.30E-04	1.12E-04	1.15E-04	2.27E-04
4270 471363.09, 3856877.25	0.00128	0.0013	2.01E-04	2.12E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.39E-05	1.07E-04	5.18E-05	5.26E-05	1.04E-04	5.11E-05	5.19E-05	1.03E-04
4271 471863.09, 3856877.25	0.0013	0.00133	2.04E-04	2.17E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.52E-05	1.09E-04	5.26E-05	5.38E-05	1.06E-04	5.19E-05	5.31E-05	1.05E-04
4272 472363.09, 3856877.25	0.00134	0.00137	2.10E-04	2.24E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.68E-05	1.12E-04	5.42E-05	5.55E-05	1.10E-04	5.35E-05	5.47E-05	1.08E-04
4273 472863.09, 3856877.25	0.00138	0.00141	2.16E-04	2.30E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.85E-05	1.16E-04	5.59E-05	5.71E-05	1.13E-04	5.51E-05	5.63E-05	1.11E-04
4274 473363.09, 3856877.25	0.00146	0.00149	2.29E-04	2.43E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	6.18E-05	1.22E-04	5.91E-05	6.03E-05	1.19E-04	5.83E-05	5.95E-05	1.18E-04
4275 473863.09, 3856877.25	0.00151	0.00154	2.37E-04	2.51E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.39E-05	1.27E-04	6.11E-05	6.23E-05	1.23E-04	6.03E-05	6.15E-05	1.22E-04
4276 474363.09, 3856877.25	0.00151	0.00155	2.37E-04	2.53E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.43E-05	1.27E-04	6.11E-05	6.28E-05	1.24E-04	6.03E-05	6.19E-05	1.22E-04
4277 474863.09, 3856877.25	0.00147	0.00152	2.30E-04	2.48E-04	2.17E-04	2.22E-04	2.10E-04	6.10E-05	6.31E-05	1.24E-04	5.95E-05	6.15E-05	1.21E-04	5.87E-05	6.07E-05	1.19E-04
4278 475363.09, 3856877.25	0.0014	0.00145	2.19E-04	2.37E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	6.02E-05	1.18E-04	5.67E-05	5.87E-05	1.15E-04	5.59E-05	5.79E-05	1.14E-04
4279 475863.09, 3856877.25	0.00141	0.00145	2.21E-04	2.37E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	6.02E-05	1.19E-04	5.71E-05	5.87E-05	1.16E-04	5.63E-05	5.79E-05	1.14E-04
4280 476363.09, 3856877.25	0.00136	0.00139	2.13E-04	2.27E-04	2.01E-04	2.06E-04	1.94E-04	5.64E-05	5.77E-05	1.14E-04	5.51E-05	5.63E-05	1.11E-04	5.43E-05	5.55E-05	1.10E-04
4281 476863.09, 3856877.25	0.00137	0.00139	2.15E-04	2.27E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.77E-05	1.15E-04	5.55E-05	5.63E-05	1.12E-04	5.47E-05	5.55E-05	1.10E-04
4282 477363.09, 3856877.25	0.00136	0.00137	2.13E-04	2.24E-04	2.01E-04	2.06E-04	1.94E-04	5.64E-05	5.68E-05	1.13E-04	5.51E-05	5.55E-05	1.11E-04	5.43E-05	5.47E-05	1.09E-04
4283 477863.09, 3856877.25	0.00129	0.00127	2.02E-04	2.07E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.27E-05	1.06E-04	5.22E-05	5.14E-05	1.04E-04	5.15E-05	5.07E-05	1.02E-04
4284 478363.09, 3856877.25	0.0013	0.00126	2.04E-04	2.06E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.23E-05	1.06E-04	5.26E-05	5.10E-05	1.04E-04	5.19E-05	5.03E-05	1.02E-04
4285 478863.09, 3856877.25	0.00142	0.00138	2.22E-04	2.25E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	5.73E-05	1.16E-04	5.75E-05	5.59E-05	1.13E-04	5.67E-05	5.51E-05	1.12E-04
4286 479363.09, 3856877.25	0.00156	0.00154	2.44E-04	2.51E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.39E-05	1.29E-04	6.32E-05	6.23E-05	1.26E-04	6.23E-05	6.15E-05	1.24E-04

4287 479863.09, 3856877.25	0.002	0.00208	3.13E-04	3.40E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	8.63E-05	1.69E-04	8.10E-05	8.42E-05	1.65E-04	7.99E-05	8.31E-05	1.63E-04
4288 480363.09, 3856877.25	0.00239	0.00248	3.74E-04	4.05E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.03E-04	2.02E-04	9.68E-05	1.00E-04	1.97E-04	9.55E-05	9.91E-05	1.95E-04
4289 480863.09, 3856877.25	0.00288	0.00283	4.51E-04	4.62E-04	4.25E-04	4.35E-04	4.11E-04	1.19E-04	1.17E-04	2.37E-04	1.17E-04	1.15E-04	2.31E-04	1.15E-04	1.13E-04	2.28E-04
4290 481363.09, 3856877.25	0.00335	0.00305	5.25E-04	4.98E-04	4.94E-04	5.06E-04	4.78E-04	1.39E-04	1.27E-04	2.66E-04	1.36E-04	1.23E-04	2.59E-04	1.34E-04	1.22E-04	2.56E-04
4291 481863.09, 3856877.25	0.00373	0.00325	5.84E-04	5.30E-04	5.51E-04	5.64E-04	5.32E-04	1.55E-04	1.35E-04	2.90E-04	1.51E-04	1.32E-04	2.83E-04	1.49E-04	1.30E-04	2.79E-04
4292 482363.09, 3856877.25	0.00439	0.00344	6.88E-04	5.62E-04	6.48E-04	6.64E-04	6.26E-04	1.82E-04	1.43E-04	3.25E-04	1.78E-04	1.39E-04	3.17E-04	1.75E-04	1.37E-04	3.13E-04
4293 482863.09, 3856877.25	0.00497	0.00368	7.79E-04	6.01E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	1.53E-04	3.59E-04	2.01E-04	1.49E-04	3.50E-04	1.99E-04	1.47E-04	3.46E-04
4294 483363.09, 3856877.25	0.00575	0.00399	9.01E-04	6.51E-04	8.49E-04	8.69E-04	8.20E-04	2.39E-04	1.66E-04	4.04E-04	2.33E-04	1.62E-04	3.94E-04	2.30E-04	1.59E-04	3.89E-04
4295 483863.09, 3856877.25	0.00699	0.00439	1.09E-03	7.17E-04	1.03E-03	1.06E-03	9.97E-04	2.90E-04	1.82E-04	4.72E-04	2.83E-04	1.78E-04	4.61E-04	2.79E-04	1.75E-04	4.55E-04
4296 484363.09, 3856877.25	0.00954	0.005	1.49E-03	8.16E-04	1.41E-03	1.44E-03	1.36E-03	3.96E-04	2.07E-04	6.03E-04	3.86E-04	2.02E-04	5.89E-04	3.81E-04	2.00E-04	5.81E-04
4297 484863.09, 3856877.25	0.0154	0.00595	2.41E-03	9.71E-04	2.27E-03	2.33E-03	2.20E-03	6.39E-04	2.47E-04	8.86E-04	6.23E-04	2.41E-04	8.64E-04	6.15E-04	2.38E-04	8.53E-04
4298 485363.09, 3856877.25	0.05759	0.00759	9.02E-03	1.24E-03	8.50E-03	8.71E-03	8.21E-03	2.39E-03	3.15E-04	2.70E-03	2.33E-03	3.07E-04	2.64E-03	2.30E-03	3.03E-04	2.60E-03
4299 485863.09, 3856877.25	0.07509	0.01109	1.18E-02	1.81E-03	1.11E-02	1.14E-02	1.07E-02	3.12E-03	4.60E-04	3.58E-03	3.04E-03	4.49E-04	3.49E-03	3.00E-03	4.43E-04	3.44E-03
4300 486363.09, 3856877.25	0.02467	0.02733	3.86E-03	4.46E-03	3.64E-03	3.73E-03	3.52E-03	1.02E-03	1.13E-03	2.16E-03	9.99E-04	1.11E-03	2.11E-03	9.85E-04	1.09E-03	2.08E-03
4301 486863.09, 3856877.25	0.01781	0.12813	2.79E-03	2.09E-02	2.63E-03	2.69E-03	2.54E-03	7.39E-04	5.32E-03	6.05E-03	7.21E-04	5.19E-03	5.91E-03	7.11E-04	5.12E-03	5.83E-03
4302 487363.09, 3856877.25	0.0148	0.03616	2.32E-03	5.90E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	1.50E-03	2.11E-03	5.99E-04	1.46E-03	2.06E-03	5.91E-04	1.44E-03	2.04E-03
4303 487863.09, 3856877.25	0.01287	0.02205	2.02E-03	3.60E-03	1.90E-03	1.95E-03	1.84E-03	5.34E-04	9.15E-04	1.45E-03	5.21E-04	8.93E-04	1.41E-03	5.14E-04	8.81E-04	1.39E-03
4304 488363.09, 3856877.25	0.01159	0.01636	1.82E-03	2.67E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	6.79E-04	1.16E-03	4.69E-04	6.62E-04	1.13E-03	4.63E-04	6.54E-04	1.12E-03
4305 488863.09, 3856877.25	0.01046	0.01332	1.64E-03	2.17E-03	1.54E-03	1.58E-03	1.49E-03	4.34E-04	5.53E-04	9.87E-04	4.23E-04	5.39E-04	9.63E-04	4.18E-04	5.32E-04	9.50E-04
4306 489363.09, 3856877.25	0.00958	0.01142	1.50E-03	1.86E-03	1.41E-03	1.45E-03	1.37E-03	3.97E-04	4.74E-04	8.71E-04	3.88E-04	4.62E-04	8.50E-04	3.83E-04	4.56E-04	8.39E-04
4307 489863.09, 3856877.25	0.00877	0.01006	1.37E-03	1.64E-03	1.29E-03	1.33E-03	1.25E-03	3.64E-04	4.17E-04	7.81E-04	3.55E-04	4.07E-04	7.62E-04	3.50E-04	4.02E-04	7.52E-04
4308 490363.09, 3856877.25	0.00799	0.009	1.25E-03	1.47E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.73E-04	7.05E-04	3.23E-04	3.64E-04	6.88E-04	3.19E-04	3.60E-04	6.79E-04
4309 490863.09, 3856877.25	0.00735	0.00814	1.15E-03	1.33E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	3.38E-04	6.43E-04	2.98E-04	3.30E-04	6.27E-04	2.94E-04	3.25E-04	6.19E-04
4310 491363.09, 3856877.25	0.0068	0.00743	1.07E-03	1.21E-03	1.00E-03	1.03E-03	9.70E-04	2.82E-04	3.08E-04	5.90E-04	2.75E-04	3.01E-04	5.76E-04	2.72E-04	2.97E-04	5.68E-04
4311 491863.09, 3856877.25	0.00628	0.00683	9.84E-04	1.11E-03	9.27E-04	9.49E-04	8.95E-04	2.61E-04	2.83E-04	5.44E-04	2.54E-04	2.77E-04	5.31E-04	2.51E-04	2.73E-04	5.24E-04
4312 492363.09, 3856877.25	0.00533	0.0059	8.35E-04	9.63E-04	7.87E-04	8.06E-04	7.60E-04	2.21E-04	2.45E-04	4.66E-04	2.16E-04	2.39E-04	4.55E-04	2.13E-04	2.36E-04	4.49E-04
4313 492863.09, 3856877.25	0.00467	0.00511	7.32E-04	8.34E-04	6.89E-04	7.06E-04	6.66E-04	1.94E-04	2.12E-04	4.06E-04	1.89E-04	2.07E-04	3.96E-04	1.87E-04	2.04E-04	3.91E-04
4314 493363.09, 3856877.25	0.00406	0.00432	6.36E-04	7.05E-04	5.99E-04	6.14E-04	5.79E-04	1.68E-04	1.79E-04	3.48E-04	1.64E-04	1.75E-04	3.39E-04	1.62E-04	1.73E-04	3.35E-04
4315 493863.09, 3856877.25	0.00348	0.00359	5.45E-04	5.86E-04	5.14E-04	5.26E-04	4.96E-04	1.44E-04	1.49E-04	2.93E-04	1.41E-04	1.45E-04	2.86E-04	1.39E-04	1.43E-04	2.82E-04
4316 494363.09, 3856877.25	0.00307	0.00309	4.81E-04	5.04E-04	4.53E-04	4.64E-04	4.38E-04	1.27E-04	1.28E-04	2.56E-04	1.24E-04	1.25E-04	2.49E-04	1.23E-04	1.23E-04	2.46E-04
4317 494863.09, 3856877.25	0.00287	0.00286	4.50E-04	4.67E-04	4.24E-04	4.34E-04	4.09E-04	1.19E-04	1.19E-04	2.38E-04	1.16E-04	1.16E-04	2.32E-04	1.15E-04	1.14E-04	2.29E-04
4318 495363.09, 3856877.25	0.00275	0.00273	4.31E-04	4.46E-04	4.06E-04	4.16E-04	3.92E-04	1.14E-04	1.13E-04	2.27E-04	1.11E-04	1.11E-04	2.22E-04	1.10E-04	1.09E-04	2.19E-04
4319 495863.09, 3856877.25	0.00271	0.0027	4.25E-04	4.41E-04	4.00E-04	4.10E-04	3.86E-04	1.12E-04	1.12E-04	2.24E-04	1.10E-04	1.09E-04	2.19E-04	1.08E-04	1.08E-04	2.16E-04
4320 496363.09, 3856877.25	0.00269	0.00268	4.21E-04	4.37E-04	3.97E-04	4.07E-04	3.84E-04	1.12E-04	1.11E-04	2.23E-04	1.09E-04	1.08E-04	2.17E-04	1.07E-04	1.07E-04	2.15E-04
4321 496863.09, 3856877.25	0.00272	0.00271	4.26E-04	4.42E-04	4.01E-04	4.11E-04	3.88E-04	1.13E-04	1.12E-04	2.25E-04	1.10E-04	1.10E-04	2.20E-04	1.09E-04	1.08E-04	2.17E-04
4322 497363.09, 3856877.25	0.00278	0.00278	4.35E-04	4.54E-04	4.10E-04	4.20E-04	3.96E-04	1.15E-04	1.15E-04	2.31E-04	1.13E-04	1.13E-04	2.25E-04	1.11E-04	1.11E-04	2.22E-04
4323 497863.09, 3856877.25	0.00291	0.00293	4.56E-04	4.78E-04	4.29E-04	4.40E-04	4.15E-04	1.21E-04	1.22E-04	2.42E-04	1.18E-04	1.19E-04	2.36E-04	1.16E-04	1.17E-04	2.33E-04
4324 498363.09, 3856877.25	0.00306	0.00311	4.79E-04	5.08E-04	4.52E-04	4.63E-04	4.36E-04	1.27E-04	1.29E-04	2.56E-04	1.24E-04	1.26E-04	2.50E-04	1.22E-04	1.24E-04	2.46E-04
4325 471363.09, 3857377.25	0.00125	0.00128	1.96E-04	2.09E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.31E-05	1.05E-04	5.06E-05	5.18E-05	1.02E-04	4.99E-05	5.11E-05	1.01E-04
4326 471863.09, 3857377.25	0.00127	0.0013	1.99E-04	2.12E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.39E-05	1.07E-04	5.14E-05	5.26E-05	1.04E-04	5.07E-05	5.19E-05	1.03E-04
4327 472363.09, 3857377.25	0.0013	0.00133	2.04E-04	2.17E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.52E-05	1.09E-04	5.26E-05	5.38E-05	1.06E-04	5.19E-05	5.31E-05	1.05E-04
4328 472863.09, 3857377.25	0.00134	0.00137	2.10E-04	2.24E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.68E-05	1.12E-04	5.42E-05	5.55E-05	1.10E-04	5.35E-05	5.47E-05	1.08E-04
4329 473363.09, 3857377.25	0.00139	0.00142	2.18E-04	2.32E-04	2.05E-04	2.10E-04	1.98E-04	5.77E-05	5.89E-05	1.17E-04	5.63E-05	5.75E-05	1.14E-04	5.55E-05	5.67E-05	1.12E-04
4330 473863.09, 3857377.25	0.00146	0.00148	2.29E-04	2.42E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	6.14E-05	1.22E-04	5.91E-05	5.99E-05	1.19E-04	5.83E-05	5.91E-05	1.17E-04
4331 474363.09, 3857377.25	0.00142	0.00145	2.22E-04	2.37E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	6.02E-05	1.19E-04	5.75E-05	5.87E-05	1.16E-04	5.67E-05	5.79E-05	1.15E-04
4332 474863.09, 3857377.25	0.00129	0.00134	2.02E-04	2.19E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.56E-05	1.09E-04	5.22E-05	5.42E-05	1.06E-04	5.15E-05	5.35E-05	1.05E-04
4333 475363.09, 3857377.25	0.00117	0.00119	1.83E-04	1.94E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.94E-05	9.79E-05	4.74E-05	4.82E-05	9.55E-05	4.67E-05	4.75E-05	9.43E-05
4334 475863.09, 3857377.25	0.00116	0.00118	1.82E-04	1.93E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.90E-05	9.71E-05	4.70E-05	4.78E-05	9.47E-05	4.63E-05	4.71E-05	9.35E-05
4335 476363.09, 3857377.25	0.00127	0.00129	1.99E-04	2.11E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.35E-05	1.06E-04	5.14E-05	5.22E-05	1.04E-04	5.07E-05	5.15E-05	1.02E-04
4336 476863.09, 3857377.25	0.00132	0.00134	2.07E-04	2.19E-04	1.95E-04	2.00E-04	1.88E-04	5.48E-05	5.56E-05	1.10E-04	5.34E-05	5.42E-05	1.08E-04	5.27E-05	5.35E-05	1.06E-04
4337 477363.09, 3857377.25	0.00131	0.00132	2.05E-04	2.15E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.48E-05	1.09E-04	5.30E-05	5.34E-05	1.06E-04	5.23E-05	5.27E-05	1.05E-04
4338 477863.09, 3857377.25	0.00127	0.00126	1.99E-04	2.06E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.23E-05	1.05E-04	5.14E-05	5.10E-05	1.02E-04	5.07E-05	5.03E-05	1.01E-04
4339 478363.09, 3857377.25	0.00124	0.0012	1.94E-04	1.96E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	4.98E-05	1.01E-04	5.02E-05	4.86E-05	9.88E-05	4.95E-05	4.79E-05	9.75E-05
4340 478863.09, 3857377.25	0.00122	0.00118	1.91E-04	1.93E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	4.90E-05	9.96E-05	4.94E-05	4.78E-05	9.72E-05	4.87E-05	4.71E-05	9.59E-05
4341 479363.09, 3857377.25	0.00141	0.00138	2.21E-04	2.25E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.73E-05	1.16E-04	5.71E-05	5.59E-05	1.13E-04	5.63E-05	5.51E-05	1.11E-04
4342 479863.09, 3857377.25	0.0018	0.00187	2.82E-04	3.05E-04	2.66E-04	2.72E-04	2.57E-04	7.47E-05	7.76E-05	1.52E-04	7.29E-05	7.57E-05	1.49E-04	7.19E-05	7.47E-05	1.47E-04
4343 480363.09, 3857377.25	0.00177	0.0018	2.77E-04	2.94E-04	2.61E-04	2.68E-04	2.52E-04	7.34E-05	7.47E-05	1.48E-04	7.17E-05	7.29E-05	1.45E-04	7.07E-05	7.19E-05	1.43E-04
4344 480863.09, 3857377.25	0.0027	0.00265	4.23E-04	4.33E-04	3.98E-04	4.08E-04	3.85E-04	1.12E-04	1.10E-04	2.22E-04	1.09E-04	1.07E-04	2.17E-04	1.08E-04	1.06E-04	2.14E-04
4345 481363.09, 3857377.25	0.00282	0.00277	4.42E-04	4.52E-04	4.16E-04	4.26E-04	4.02E-04	1.17E-04	1.15E-04	2.32E-04	1.14E-04	1.12E-04	2.26E-04	1.13E-04	1.11E-04	2.23E-04
4346 481863.09, 3857377.25	0.00323	0.003	5.06E-04	4.90E-04	4.77E-04	4.88E-04	4.61E-04	1.34E-04	1.24E-04	2.58E-04	1.31E-04	1.21E-04	2.52E-04	1.29E-04	1.20E-04	2.49E-04
4347 482363.09, 3857377.25	0.00387	0.0032	6.06E-04	5.22E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.33E-04	2.93E-04	1.57E-04	1.30E-04	2.86E-04	1.55E-04	1.28E-04	2.82E-04
4348 482863.09, 3857377.25	0.0043	0.00336	6.74E-04	5.48E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.39E-04	3.18E-04	1.74E-04	1.36E-04	3.10E-04	1.72E-04	1.34E-04	3.06E-04
4349 483363.09, 3857377.25	0.0048	0.0036	7.52E-04	5.88E-04	7.08E-04	7.26E-04	6.84E-04	1.99E-04	1.49E-04	3.48E-04	1.94E-04	1.46E-04	3.40E-04	1.92E-04	1.44E-04	3.36E-04
4350 483863.09, 3857377.25	0.00556	0.00394	8.71E-04	6.43E-04	8.21E-04	8.40E-04	7.93E-04	2.31E-04	1.63E-04	3.94E-04	2.25E-04	1.60E-04	3.85E-04	2.22E-04	1.57E-04	3.79E-04
4351 484363.09, 3857377.25	0.00673	0.00436	1.05E-03	7.12E-04	9.93E-04	1.02E-03	9.60E-04	2.79E-04	1.81E-04	4.60E-04	2.72E-04	1.77E-04	4.49E-04	2.69E-04	1.74E-04	4.43E-04
4352 484863.09, 3857377.25	0.00888	0.00501	1.39E-03	8.18E-04	1.31E-03	1.34E-03	1.27E-03	3.68E-04	2.08E-04	5.76E-04	3.60E-04	2.03E-04	5.62E-04	3.55E-04	2.00E-04	5.55E-04

4353 485363.09, 3857377.25	0.01322	0.00587	2.07E-03	9.58E-04	1.95E-03	2.00E-03	1.88E-03	5.48E-04	2.44E-04	7.92E-04	5.35E-04	2.38E-04	7.73E-04	5.28E-04	2.34E-04	7.63E-04
4354 485863.09, 3857377.25	0.03136	0.00733	4.91E-03	1.20E-03	4.63E-03	4.74E-03	4.47E-03	1.30E-03	3.04E-04	1.61E-03	1.27E-03	2.97E-04	1.57E-03	1.25E-03	2.93E-04	1.55E-03
4355 486363.09, 3857377.25	0.11371	0.0109	1.78E-02	1.78E-03	1.68E-02	1.72E-02	1.62E-02	4.72E-03	4.52E-04	5.17E-03	4.60E-03	4.41E-04	5.04E-03	4.54E-03	4.35E-04	4.98E-03
4356 486863.09, 3857377.25	0.03128	0.02506	4.90E-03	4.09E-03	4.62E-03	4.73E-03	4.46E-03	1.30E-03	1.04E-03	2.34E-03	1.27E-03	1.01E-03	2.28E-03	1.25E-03	1.00E-03	2.25E-03
4357 487363.09, 3857377.25	0.02224	0.15224	3.48E-03	2.48E-02	3.28E-03	3.36E-03	3.17E-03	9.23E-04	6.32E-03	7.24E-03	9.00E-04	6.16E-03	7.06E-03	8.88E-04	6.08E-03	6.97E-03
4358 487863.09, 3857377.25	0.01809	0.03742	2.83E-03	6.11E-03	2.67E-03	2.73E-03	2.58E-03	7.51E-04	1.55E-03	2.30E-03	7.32E-04	1.51E-03	2.25E-03	7.23E-04	1.49E-03	2.22E-03
4359 488363.09, 3857377.25	0.01525	0.02245	2.39E-03	3.66E-03	2.25E-03	2.31E-03	2.17E-03	6.33E-04	9.31E-04	1.56E-03	6.17E-04	9.09E-04	1.53E-03	6.09E-04	8.97E-04	1.51E-03
4360 488863.09, 3857377.25	0.01331	0.01659	2.09E-03	2.71E-03	1.96E-03	2.01E-03	1.90E-03	5.52E-04	6.88E-04	1.24E-03	5.39E-04	6.72E-04	1.21E-03	5.32E-04	6.63E-04	1.19E-03
4361 489363.09, 3857377.25	0.01179	0.01346	1.85E-03	2.20E-03	1.74E-03	1.78E-03	1.68E-03	4.89E-04	5.58E-04	1.05E-03	4.77E-04	5.45E-04	1.02E-03	4.71E-04	5.38E-04	1.01E-03
4362 489863.09, 3857377.25	0.01047	0.01145	1.64E-03	1.87E-03	1.55E-03	1.58E-03	1.49E-03	4.34E-04	4.75E-04	9.09E-04	4.24E-04	4.64E-04	8.87E-04	4.18E-04	4.57E-04	8.76E-04
4363 490363.09, 3857377.25	0.00942	0.01006	1.48E-03	1.64E-03	1.39E-03	1.42E-03	1.34E-03	3.91E-04	4.17E-04	8.08E-04	3.81E-04	4.07E-04	7.89E-04	3.76E-04	4.02E-04	7.78E-04
4364 490863.09, 3857377.25	0.00856	0.00899	1.34E-03	1.47E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.73E-04	7.28E-04	3.47E-04	3.64E-04	7.11E-04	3.42E-04	3.59E-04	7.01E-04
4365 491363.09, 3857377.25	0.00785	0.00813	1.23E-03	1.33E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.37E-04	6.63E-04	3.18E-04	3.29E-04	6.47E-04	3.14E-04	3.25E-04	6.38E-04
4366 491863.09, 3857377.25	0.00697	0.00726	1.09E-03	1.19E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	3.01E-04	5.90E-04	2.82E-04	2.94E-04	5.76E-04	2.78E-04	2.90E-04	5.68E-04
4367 492363.09, 3857377.25	0.00554	0.0059	8.68E-04	9.63E-04	8.18E-04	8.37E-04	7.90E-04	2.30E-04	2.45E-04	4.75E-04	2.24E-04	2.39E-04	4.63E-04	2.21E-04	2.36E-04	4.57E-04
4368 492863.09, 3857377.25	0.00458	0.00477	7.17E-04	7.79E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.98E-04	3.88E-04	1.85E-04	1.93E-04	3.79E-04	1.83E-04	1.91E-04	3.74E-04
4369 493363.09, 3857377.25	0.00391	0.00395	6.13E-04	6.45E-04	5.77E-04	5.91E-04	5.58E-04	1.62E-04	1.64E-04	3.26E-04	1.58E-04	1.60E-04	3.18E-04	1.56E-04	1.58E-04	3.14E-04
4370 493863.09, 3857377.25	0.00362	0.00361	5.67E-04	5.89E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.50E-04	3.00E-04	1.47E-04	1.46E-04	2.93E-04	1.45E-04	1.44E-04	2.89E-04
4371 494363.09, 3857377.25	0.00334	0.0033	5.23E-04	5.39E-04	4.93E-04	5.05E-04	4.76E-04	1.39E-04	1.37E-04	2.75E-04	1.35E-04	1.34E-04	2.69E-04	1.33E-04	1.32E-04	2.65E-04
4372 494863.09, 3857377.25	0.00319	0.00315	5.00E-04	5.14E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.31E-04	2.63E-04	1.29E-04	1.28E-04	2.57E-04	1.27E-04	1.26E-04	2.53E-04
4373 495363.09, 3857377.25	0.00307	0.00302	4.81E-04	4.93E-04	4.53E-04	4.64E-04	4.38E-04	1.27E-04	1.25E-04	2.53E-04	1.24E-04	1.22E-04	2.47E-04	1.23E-04	1.21E-04	2.43E-04
4374 495863.09, 3857377.25	0.00302	0.00298	4.73E-04	4.86E-04	4.46E-04	4.57E-04	4.31E-04	1.25E-04	1.24E-04	2.49E-04	1.22E-04	1.21E-04	2.43E-04	1.21E-04	1.19E-04	2.40E-04
4375 496363.09, 3857377.25	0.00299	0.00296	4.68E-04	4.83E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.23E-04	2.47E-04	1.21E-04	1.20E-04	2.41E-04	1.19E-04	1.18E-04	2.38E-04
4376 496863.09, 3857377.25	0.00298	0.00296	4.67E-04	4.83E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.23E-04	2.46E-04	1.21E-04	1.20E-04	2.40E-04	1.19E-04	1.18E-04	2.37E-04
4377 497363.09, 3857377.25	0.00302	0.00301	4.73E-04	4.91E-04	4.46E-04	4.57E-04	4.31E-04	1.25E-04	1.25E-04	2.50E-04	1.22E-04	1.22E-04	2.44E-04	1.21E-04	1.20E-04	2.41E-04
4378 497863.09, 3857377.25	0.00311	0.00312	4.87E-04	5.09E-04	4.59E-04	4.70E-04	4.43E-04	1.29E-04	1.29E-04	2.58E-04	1.26E-04	1.26E-04	2.52E-04	1.24E-04	1.25E-04	2.49E-04
4379 498363.09, 3857377.25	0.00338	0.00343	5.29E-04	5.60E-04	4.99E-04	5.11E-04	4.82E-04	1.40E-04	1.42E-04	2.83E-04	1.37E-04	1.39E-04	2.76E-04	1.35E-04	1.37E-04	2.72E-04
4380 471363.09, 3857877.25	0.00121	0.00123	1.90E-04	2.01E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	5.10E-05	1.01E-04	4.90E-05	4.98E-05	9.88E-05	4.83E-05	4.91E-05	9.75E-05
4381 471863.09, 3857877.25	0.00123	0.00125	1.93E-04	2.04E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.19E-05	1.03E-04	4.98E-05	5.06E-05	1.00E-04	4.91E-05	4.99E-05	9.91E-05
4382 472363.09, 3857877.25	0.00126	0.00128	1.97E-04	2.09E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.31E-05	1.05E-04	5.10E-05	5.18E-05	1.03E-04	5.03E-05	5.11E-05	1.01E-04
4383 472863.09, 3857877.25	0.00131	0.00133	2.05E-04	2.17E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.52E-05	1.10E-04	5.30E-05	5.38E-05	1.07E-04	5.23E-05	5.31E-05	1.05E-04
4384 473363.09, 3857877.25	0.00134	0.00137	2.10E-04	2.24E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.68E-05	1.12E-04	5.42E-05	5.55E-05	1.10E-04	5.35E-05	5.47E-05	1.08E-04
4385 473863.09, 3857877.25	0.0014	0.00142	2.19E-04	2.32E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	5.89E-05	1.17E-04	5.67E-05	5.75E-05	1.14E-04	5.59E-05	5.67E-05	1.13E-04
4386 474363.09, 3857877.25	0.00134	0.00138	2.10E-04	2.25E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.73E-05	1.13E-04	5.42E-05	5.59E-05	1.10E-04	5.35E-05	5.51E-05	1.09E-04
4387 474863.09, 3857877.25	0.00121	0.00125	1.90E-04	2.04E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	5.19E-05	1.02E-04	4.90E-05	5.06E-05	9.96E-05	4.83E-05	4.99E-05	9.83E-05
4388 475363.09, 3857877.25	0.00103	0.00104	1.61E-04	1.70E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.31E-05	8.59E-05	4.17E-05	4.21E-05	8.38E-05	4.11E-05	4.15E-05	8.27E-05
4389 475863.09, 3857877.25	0.00087	0.00086	1.36E-04	1.40E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.57E-05	7.18E-05	3.52E-05	3.48E-05	7.00E-05	3.48E-05	3.44E-05	6.91E-05
4390 476363.09, 3857877.25	0.00109	0.0011	1.71E-04	1.80E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.56E-05	9.09E-05	4.41E-05	4.45E-05	8.87E-05	4.35E-05	4.39E-05	8.75E-05
4391 476863.09, 3857877.25	0.00118	0.0012	1.85E-04	1.96E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.98E-05	9.87E-05	4.78E-05	4.86E-05	9.64E-05	4.71E-05	4.79E-05	9.51E-05
4392 477363.09, 3857877.25	0.00121	0.00122	1.90E-04	1.99E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	5.06E-05	1.01E-04	4.90E-05	4.94E-05	9.84E-05	4.83E-05	4.87E-05	9.71E-05
4393 477863.09, 3857877.25	0.00123	0.00124	1.93E-04	2.02E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.14E-05	1.02E-04	4.98E-05	5.02E-05	1.00E-04	4.91E-05	4.95E-05	9.87E-05
4394 478363.09, 3857877.25	0.00113	0.0011	1.77E-04	1.80E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.56E-05	9.25E-05	4.57E-05	4.45E-05	9.03E-05	4.51E-05	4.39E-05	8.91E-05
4395 478863.09, 3857877.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
4396 479363.09, 3857877.25	0.00165	0.00173	2.58E-04	2.82E-04	2.44E-04	2.49E-04	2.35E-04	6.85E-05	7.18E-05	1.40E-04	6.68E-05	7.00E-05	1.37E-04	6.59E-05	6.91E-05	1.35E-04
4397 479863.09, 3857877.25	0.00209	0.00216	3.27E-04	3.53E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.96E-05	1.76E-04	8.46E-05	8.74E-05	1.72E-04	8.35E-05	8.63E-05	1.70E-04
4398 480363.09, 3857877.25	0.00238	0.00235	3.73E-04	3.84E-04	3.51E-04	3.60E-04	3.39E-04	9.87E-05	9.75E-05	1.96E-04	9.64E-05	9.51E-05	1.91E-04	9.51E-05	9.39E-05	1.89E-04
4399 480863.09, 3857877.25	0.00251	0.00247	3.93E-04	4.03E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.02E-04	2.07E-04	1.02E-04	1.00E-04	2.02E-04	1.00E-04	9.87E-05	1.99E-04
4400 481363.09, 3857877.25	0.00265	0.00259	4.15E-04	4.23E-04	3.91E-04	4.01E-04	3.78E-04	1.10E-04	1.07E-04	2.17E-04	1.07E-04	1.05E-04	2.12E-04	1.06E-04	1.03E-04	2.09E-04
4401 481863.09, 3857877.25	0.00289	0.00276	4.53E-04	4.51E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.15E-04	2.34E-04	1.17E-04	1.12E-04	2.29E-04	1.15E-04	1.10E-04	2.26E-04
4402 482363.09, 3857877.25	0.00336	0.00298	5.26E-04	4.86E-04	4.96E-04	5.08E-04	4.79E-04	1.39E-04	1.24E-04	2.63E-04	1.36E-04	1.21E-04	2.57E-04	1.34E-04	1.19E-04	2.53E-04
4403 482863.09, 3857877.25	0.00378	0.00311	5.92E-04	5.08E-04	5.58E-04	5.71E-04	5.39E-04	1.57E-04	1.29E-04	2.86E-04	1.53E-04	1.26E-04	2.79E-04	1.51E-04	1.24E-04	2.75E-04
4404 483363.09, 3857877.25	0.00413	0.0033	6.47E-04	5.39E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.37E-04	3.08E-04	1.67E-04	1.34E-04	3.01E-04	1.65E-04	1.32E-04	2.97E-04
4405 483863.09, 3857877.25	0.00463	0.00357	7.25E-04	5.83E-04	6.83E-04	7.00E-04	6.60E-04	1.92E-04	1.48E-04	3.40E-04	1.87E-04	1.45E-04	3.32E-04	1.85E-04	1.43E-04	3.28E-04
4406 484363.09, 3857877.25	0.00528	0.00389	8.27E-04	6.35E-04	7.79E-04	7.98E-04	7.53E-04	2.19E-04	1.61E-04	3.80E-04	2.14E-04	1.57E-04	3.71E-04	2.11E-04	1.55E-04	3.66E-04
4407 484863.09, 3857877.25	0.00642	0.00437	1.01E-03	7.13E-04	9.48E-04	9.70E-04	9.15E-04	2.66E-04	1.81E-04	4.48E-04	2.60E-04	1.77E-04	4.37E-04	2.56E-04	1.75E-04	4.31E-04
4408 485363.09, 3857877.25	0.00819	0.005	1.28E-03	8.16E-04	1.21E-03	1.24E-03	1.17E-03	3.40E-04	2.07E-04	5.47E-04	3.32E-04	2.02E-04	5.34E-04	3.27E-04	2.00E-04	5.27E-04
4409 485863.09, 3857877.25	0.01145	0.00587	1.79E-03	9.58E-04	1.69E-03	1.73E-03	1.63E-03	4.75E-04	2.44E-04	7.19E-04	4.64E-04	2.38E-04	7.01E-04	4.57E-04	2.34E-04	6.92E-04
4410 486363.09, 3857877.25	0.02102	0.00732	3.29E-03	1.19E-03	3.10E-03	3.18E-03	3.00E-03	8.72E-04	3.04E-04	1.18E-03	8.51E-04	2.96E-04	1.15E-03	8.40E-04	2.92E-04	1.13E-03
4411 486863.09, 3857877.25	0.16992	0.01052	2.66E-02	1.72E-03	2.51E-02	2.57E-02	2.42E-02	7.05E-03	4.36E-04	7.49E-03	6.88E-03	4.26E-04	7.30E-03	6.79E-03	4.20E-04	7.21E-03
4412 487363.09, 3857877.25	0.06942	0.02278	1.09E-02	3.72E-03	1.02E-02	1.05E-02	9.90E-03	2.88E-03	9.45E-04	3.83E-03	2.81E-03	9.22E-04	3.73E-03	2.77E-03	9.10E-04	3.68E-03
4413 487863.09, 3857877.25	0.03377	0.18122	5.29E-03	2.96E-02	4.98E-03	5.10E-03	4.82E-03	1.40E-03	7.52E-03	8.92E-03	1.37E-03	7.34E-03	8.70E-03	1.35E-03	7.24E-03	8.59E-03
4414 488363.09, 3857877.25	0.0239	0.03904	3.74E-03	6.37E-03	3.53E-03	3.61E-03	3.41E-03	9.92E-04	1.62E-03	2.61E-03	9.68E-04	1.58E-03	2.55E-03	9.55E-04	1.56E-03	2.51E-03
4415 488863.09, 3857877.25	0.01886	0.02322	2.95E-03	3.79E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	9.63E-04	1.75E-03	7.64E-04	9.40E-04	1.70E-03	7.53E-04	9.28E-04	1.68E-03
4416 489363.09, 3857877.25	0.01545	0.01703	2.42E-03	2.78E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	7.07E-04	1.35E-03	6.25E-04	6.89E-04	1.31E-03	6.17E-04	6.80E-04	1.30E-03
4417 489863.09, 3857877.25	0.01309	0.01363	2.05E-03	2.22E-03	1.93E-03	1.98E-03	1.87E-03	5.43E-04	5.65E-04	1.11E-03	5.30E-04	5.52E-04	1.08E-03	5.23E-04	5.44E-04	1.07E-03
4418 490363.09, 3857877.25	0.01153	0.01159	1.81E-03	1.89E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.81E-04	9.59E-04	4.67E-04	4.69E-04	9.36E-04	4.61E-04	4.63E-04	9.24E-04

4419 490863.09, 3857877.25	0.01031	0.01019	1.62E-03	1.66E-03	1.52E-03	1.56E-03	1.47E-03	4.28E-04	4.23E-04	8.51E-04	4.17E-04	4.13E-04	8.30E-04	4.12E-04	4.07E-04	8.19E-04
4420 491363.09, 3857877.25	0.00887	0.00881	1.39E-03	1.44E-03	1.31E-03	1.34E-03	1.26E-03	3.68E-04	3.66E-04	7.34E-04	3.59E-04	3.57E-04	7.16E-04	3.54E-04	3.52E-04	7.06E-04
4421 491863.09, 3857877.25	0.00747	0.00752	1.17E-03	1.23E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.12E-04	6.22E-04	3.02E-04	3.04E-04	6.07E-04	2.98E-04	3.00E-04	5.99E-04
4422 492363.09, 3857877.25	0.00584	0.00593	9.15E-04	9.68E-04	8.62E-04	8.83E-04	8.33E-04	2.42E-04	2.46E-04	4.88E-04	2.36E-04	2.40E-04	4.77E-04	2.33E-04	2.37E-04	4.70E-04
4423 492863.09, 3857877.25	0.00478	0.00476	7.49E-04	7.77E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	1.97E-04	3.96E-04	1.94E-04	1.93E-04	3.86E-04	1.91E-04	1.90E-04	3.81E-04
4424 493363.09, 3857877.25	0.0043	0.00426	6.74E-04	6.95E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.77E-04	3.55E-04	1.74E-04	1.72E-04	3.47E-04	1.72E-04	1.70E-04	3.42E-04
4425 493863.09, 3857877.25	0.00403	0.00398	6.31E-04	6.50E-04	5.95E-04	6.09E-04	5.75E-04	1.67E-04	1.65E-04	3.32E-04	1.63E-04	1.61E-04	3.24E-04	1.61E-04	1.59E-04	3.20E-04
4426 494363.09, 3857877.25	0.00384	0.00379	6.02E-04	6.19E-04	5.67E-04	5.80E-04	5.48E-04	1.59E-04	1.57E-04	3.17E-04	1.55E-04	1.53E-04	3.09E-04	1.53E-04	1.51E-04	3.05E-04
4427 494863.09, 3857877.25	0.00359	0.00352	5.62E-04	5.75E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.46E-04	2.95E-04	1.45E-04	1.43E-04	2.88E-04	1.43E-04	1.41E-04	2.84E-04
4428 495363.09, 3857877.25	0.00347	0.00341	5.44E-04	5.57E-04	5.12E-04	5.25E-04	4.95E-04	1.44E-04	1.41E-04	2.85E-04	1.40E-04	1.38E-04	2.79E-04	1.39E-04	1.36E-04	2.75E-04
4429 495863.09, 3857877.25	0.00337	0.00331	5.28E-04	5.40E-04	4.97E-04	5.09E-04	4.81E-04	1.40E-04	1.37E-04	2.77E-04	1.36E-04	1.34E-04	2.70E-04	1.35E-04	1.32E-04	2.67E-04
4430 496363.09, 3857877.25	0.00334	0.0033	5.23E-04	5.39E-04	4.93E-04	5.05E-04	4.76E-04	1.39E-04	1.37E-04	2.75E-04	1.35E-04	1.34E-04	2.69E-04	1.33E-04	1.32E-04	2.65E-04
4431 496863.09, 3857877.25	0.00333	0.0033	5.22E-04	5.39E-04	4.91E-04	5.03E-04	4.75E-04	1.38E-04	1.37E-04	2.75E-04	1.35E-04	1.34E-04	2.68E-04	1.33E-04	1.32E-04	2.65E-04
4432 497363.09, 3857877.25	0.00329	0.00328	5.15E-04	5.35E-04	4.86E-04	4.97E-04	4.69E-04	1.36E-04	1.36E-04	2.73E-04	1.33E-04	1.33E-04	2.66E-04	1.31E-04	1.31E-04	2.62E-04
4433 497863.09, 3857877.25	0.00346	0.00348	5.42E-04	5.68E-04	5.11E-04	5.23E-04	4.93E-04	1.44E-04	1.44E-04	2.88E-04	1.40E-04	1.41E-04	2.81E-04	1.38E-04	1.39E-04	2.77E-04
4434 498363.09, 3857877.25	0.00362	0.00367	5.67E-04	5.99E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.52E-04	3.02E-04	1.47E-04	1.49E-04	2.95E-04	1.45E-04	1.47E-04	2.91E-04
4435 471363.09, 3858377.25	0.00119	0.00121	1.86E-04	1.98E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	5.02E-05	9.96E-05	4.82E-05	4.90E-05	9.72E-05	4.75E-05	4.83E-05	9.59E-05
4436 471863.09, 3858377.25	0.00121	0.00123	1.90E-04	2.01E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	5.10E-05	1.01E-04	4.90E-05	4.98E-05	9.88E-05	4.83E-05	4.91E-05	9.75E-05
4437 472363.09, 3858377.25	0.00123	0.00125	1.93E-04	2.04E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.19E-05	1.03E-04	4.98E-05	5.06E-05	1.00E-04	4.91E-05	4.99E-05	9.91E-05
4438 472863.09, 3858377.25	0.00126	0.00128	1.97E-04	2.09E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.31E-05	1.05E-04	5.10E-05	5.18E-05	1.03E-04	5.03E-05	5.11E-05	1.01E-04
4439 473363.09, 3858377.25	0.00133	0.00134	2.08E-04	2.19E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.56E-05	1.11E-04	5.38E-05	5.42E-05	1.08E-04	5.31E-05	5.35E-05	1.07E-04
4440 473863.09, 3858377.25	0.00133	0.00135	2.08E-04	2.20E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.60E-05	1.11E-04	5.38E-05	5.47E-05	1.08E-04	5.31E-05	5.39E-05	1.07E-04
4441 474363.09, 3858377.25	0.00125	0.00129	1.96E-04	2.11E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.35E-05	1.05E-04	5.06E-05	5.22E-05	1.03E-04	4.99E-05	5.15E-05	1.01E-04
4442 474863.09, 3858377.25	0.00117	0.00121	1.83E-04	1.98E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	5.02E-05	9.87E-05	4.74E-05	4.90E-05	9.64E-05	4.67E-05	4.83E-05	9.51E-05
4443 475363.09, 3858377.25	0.00104	0.00106	1.63E-04	1.73E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.40E-05	8.71E-05	4.21E-05	4.29E-05	8.50E-05	4.15E-05	4.23E-05	8.39E-05
4444 475863.09, 3858377.25	0.00097	0.00098	1.52E-04	1.60E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	4.07E-05	8.09E-05	3.93E-05	3.97E-05	7.89E-05	3.87E-05	3.91E-05	7.79E-05
4445 476363.09, 3858377.25	0.001	0.00101	1.57E-04	1.65E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.19E-05	8.34E-05	4.05E-05	4.09E-05	8.14E-05	3.99E-05	4.03E-05	8.03E-05
4446 476863.09, 3858377.25	0.00104	0.00105	1.63E-04	1.71E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.36E-05	8.67E-05	4.21E-05	4.25E-05	8.46E-05	4.15E-05	4.19E-05	8.35E-05
4447 477363.09, 3858377.25	0.00106	0.00106	1.66E-04	1.73E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.40E-05	8.80E-05	4.29E-05	4.29E-05	8.58E-05	4.23E-05	4.23E-05	8.47E-05
4448 477863.09, 3858377.25	0.00116	0.00117	1.82E-04	1.91E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.85E-05	9.67E-05	4.70E-05	4.74E-05	9.43E-05	4.63E-05	4.67E-05	9.31E-05
4449 478363.09, 3858377.25	0.00122	0.00123	1.91E-04	2.01E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.10E-05	1.02E-04	4.94E-05	4.98E-05	9.92E-05	4.87E-05	4.91E-05	9.79E-05
4450 478863.09, 3858377.25	0.00116	0.00115	1.82E-04	1.88E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.77E-05	9.58E-05	4.70E-05	4.66E-05	9.35E-05	4.63E-05	4.59E-05	9.23E-05
4451 479363.09, 3858377.25	0.00156	0.00165	2.44E-04	2.69E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.85E-05	1.33E-04	6.32E-05	6.68E-05	1.30E-04	6.23E-05	6.59E-05	1.28E-04
4452 479863.09, 3858377.25	0.00203	0.00205	3.18E-04	3.35E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.51E-05	1.69E-04	8.22E-05	8.30E-05	1.65E-04	8.11E-05	8.19E-05	1.63E-04
4453 480363.09, 3858377.25	0.0023	0.00224	3.60E-04	3.66E-04	3.39E-04	3.48E-04	3.28E-04	9.54E-05	9.29E-05	1.88E-04	9.31E-05	9.07E-05	1.84E-04	9.19E-05	8.95E-05	1.81E-04
4454 480863.09, 3858377.25	0.00242	0.00236	3.79E-04	3.85E-04	3.57E-04	3.66E-04	3.45E-04	1.00E-04	9.79E-05	1.98E-04	9.80E-05	9.55E-05	1.94E-04	9.67E-05	9.43E-05	1.91E-04
4455 481363.09, 3858377.25	0.00258	0.00249	4.04E-04	4.06E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.03E-04	2.10E-04	1.04E-04	1.01E-04	2.05E-04	1.03E-04	9.95E-05	2.03E-04
4456 481863.09, 3858377.25	0.00269	0.0026	4.21E-04	4.24E-04	3.97E-04	4.07E-04	3.84E-04	1.12E-04	1.08E-04	2.19E-04	1.09E-04	1.05E-04	2.14E-04	1.07E-04	1.04E-04	2.11E-04
4457 482363.09, 3858377.25	0.00292	0.00276	4.57E-04	4.51E-04	4.31E-04	4.41E-04	4.16E-04	1.21E-04	1.15E-04	2.36E-04	1.18E-04	1.12E-04	2.30E-04	1.17E-04	1.10E-04	2.27E-04
4458 482863.09, 3858377.25	0.00331	0.00293	5.19E-04	4.78E-04	4.89E-04	5.00E-04	4.72E-04	1.37E-04	1.22E-04	2.59E-04	1.34E-04	1.19E-04	2.53E-04	1.32E-04	1.17E-04	2.49E-04
4459 483363.09, 3858377.25	0.00367	0.00307	5.75E-04	5.01E-04	5.42E-04	5.55E-04	5.23E-04	1.52E-04	1.27E-04	2.80E-04	1.49E-04	1.24E-04	2.73E-04	1.47E-04	1.23E-04	2.69E-04
4460 483863.09, 3858377.25	0.00399	0.00324	6.25E-04	5.29E-04	5.89E-04	6.03E-04	5.69E-04	1.66E-04	1.34E-04	3.00E-04	1.62E-04	1.31E-04	2.93E-04	1.59E-04	1.29E-04	2.89E-04
4461 484363.09, 3858377.25	0.00442	0.00351	6.92E-04	5.73E-04	6.52E-04	6.68E-04	6.30E-04	1.83E-04	1.46E-04	3.29E-04	1.79E-04	1.42E-04	3.21E-04	1.77E-04	1.40E-04	3.17E-04
4462 484863.09, 3858377.25	0.00507	0.00388	7.94E-04	6.33E-04	7.48E-04	7.66E-04	7.23E-04	2.10E-04	1.61E-04	3.71E-04	2.05E-04	1.57E-04	3.62E-04	2.03E-04	1.55E-04	3.58E-04
4463 485363.09, 3858377.25	0.00603	0.00437	9.45E-04	7.13E-04	8.90E-04	9.12E-04	8.60E-04	2.50E-04	1.81E-04	4.31E-04	2.44E-04	1.77E-04	4.21E-04	2.41E-04	1.75E-04	4.15E-04
4464 485863.09, 3858377.25	0.00737	0.005	1.15E-03	8.16E-04	1.09E-03	1.11E-03	1.05E-03	3.06E-04	2.07E-04	5.13E-04	2.98E-04	2.02E-04	5.01E-04	2.94E-04	2.00E-04	4.94E-04
4465 486363.09, 3858377.25	0.0095	0.0059	1.49E-03	9.63E-04	1.40E-03	1.44E-03	1.35E-03	3.94E-04	2.45E-04	6.39E-04	3.85E-04	2.39E-04	6.23E-04	3.79E-04	2.36E-04	6.15E-04
4466 486863.09, 3858377.25	0.0137	0.00737	2.15E-03	1.20E-03	2.02E-03	2.07E-03	1.95E-03	5.68E-04	3.06E-04	8.74E-04	5.55E-04	2.98E-04	8.53E-04	5.47E-04	2.94E-04	8.42E-04
4467 487363.09, 3858377.25	0.02711	0.01051	4.25E-03	1.72E-03	4.00E-03	4.10E-03	3.87E-03	1.12E-03	4.36E-04	1.56E-03	1.10E-03	4.25E-04	1.52E-03	1.08E-03	4.20E-04	1.50E-03
4468 487863.09, 3858377.25	0.46096	0.02183	7.22E-02	3.56E-03	6.80E-02	6.97E-02	6.57E-02	1.91E-02	9.06E-04	2.00E-02	1.87E-02	8.84E-04	1.95E-02	1.84E-02	8.72E-04	1.93E-02
4469 488363.09, 3858377.25	0.06325	0.23715	9.91E-03	3.87E-02	9.33E-03	9.56E-03	9.02E-03	2.62E-03	9.84E-03	1.25E-02	2.56E-03	9.60E-03	1.22E-02	2.53E-03	9.47E-03	1.20E-02
4470 488863.09, 3858377.25	0.0339	0.04213	5.31E-03	6.88E-03	5.00E-03	5.12E-03	4.83E-03	1.41E-03	1.75E-03	3.15E-03	1.37E-03	1.71E-03	3.08E-03	1.35E-03	1.68E-03	3.04E-03
4471 489363.09, 3858377.25	0.0235	0.02438	3.68E-03	3.98E-03	3.47E-03	3.55E-03	3.35E-03	9.75E-04	1.01E-03	1.99E-03	9.51E-04	9.87E-04	1.94E-03	9.39E-04	9.74E-04	1.91E-03
4472 489863.09, 3858377.25	0.01824	0.01788	2.86E-03	2.92E-03	2.69E-03	2.76E-03	2.60E-03	7.57E-04	7.42E-04	1.50E-03	7.38E-04	7.24E-04	1.46E-03	7.29E-04	7.14E-04	1.44E-03
4473 490363.09, 3858377.25	0.01502	0.01441	2.35E-03	2.35E-03	2.22E-03	2.27E-03	2.14E-03	6.23E-04	5.98E-04	1.22E-03	6.08E-04	5.83E-04	1.19E-03	6.00E-04	5.76E-04	1.18E-03
4474 490863.09, 3858377.25	0.01282	0.0122	2.01E-03	1.99E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	5.06E-04	1.04E-03	5.19E-04	4.94E-04	1.01E-03	5.12E-04	4.87E-04	9.99E-04
4475 491363.09, 3858377.25	0.01048	0.01003	1.64E-03	1.64E-03	1.55E-03	1.58E-03	1.49E-03	4.35E-04	4.16E-04	8.51E-04	4.24E-04	4.06E-04	8.30E-04	4.19E-04	4.01E-04	8.19E-04
4476 491863.09, 3858377.25	0.00791	0.00771	1.24E-03	1.26E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.20E-04	6.48E-04	3.20E-04	3.12E-04	6.32E-04	3.16E-04	3.08E-04	6.24E-04
4477 492363.09, 3858377.25	0.00612	0.00598	9.59E-04	9.76E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	2.48E-04	5.02E-04	2.48E-04	2.42E-04	4.90E-04	2.44E-04	2.39E-04	4.83E-04
4478 492863.09, 3858377.25	0.006	0.00593	9.40E-04	9.68E-04	8.86E-04	9.07E-04	8.56E-04	2.49E-04	2.46E-04	4.95E-04	2.43E-04	2.40E-04	4.83E-04	2.40E-04	2.37E-04	4.77E-04
4479 493363.09, 3858377.25	0.00537	0.00531	8.41E-04	8.67E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.20E-04	4.43E-04	2.17E-04	2.15E-04	4.32E-04	2.15E-04	2.12E-04	4.27E-04
4480 493863.09, 3858377.25	0.00495	0.00489	7.75E-04	7.98E-04	7.31E-04	7.48E-04	7.06E-04	2.05E-04	2.03E-04	4.08E-04	2.00E-04	1.98E-04	3.98E-04	1.98E-04	1.95E-04	3.93E-04
4481 494363.09, 3858377.25	0.00455	0.00451	7.13E-04	7.36E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.87E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.80E-04	3.62E-04
4482 494863.09, 3858377.25	0.00426	0.00421	6.67E-04	6.87E-04	6.29E-04	6.44E-04	6.07E-04	1.77E-04	1.75E-04	3.51E-04	1.72E-04	1.70E-04	3.43E-04	1.70E-04	1.68E-04	3.38E-04
4483 495363.09, 3858377.25	0.00396	0.00391	6.20E-04	6.38E-04	5.84E-04	5.99E-04	5.65E-04	1.64E-04	1.62E-04	3.27E-04	1.60E-04	1.58E-04	3.19E-04	1.58E-04	1.56E-04	3.14E-04
4484 495863.09, 3858377.25	0.00385	0.00381	6.03E-04	6.22E-04	5.68E-04	5.82E-04	5.49E-04	1.60E-04	1.58E-04	3.18E-04	1.56E-04	1.54E-04	3.10E-04	1.54E-04	1.52E-04	3.06E-04

4485 496363.09, 3858377.25	0.00374	0.00371	5.86E-04	6.06E-04	5.52E-04	5.65E-04	5.33E-04	1.55E-04	1.54E-04	3.09E-04	1.51E-04	1.50E-04	3.02E-04	1.49E-04	1.48E-04	2.98E-04
4486 496863.09, 3858377.25	0.00376	0.00375	5.89E-04	6.12E-04	5.55E-04	5.68E-04	5.36E-04	1.56E-04	1.56E-04	3.12E-04	1.52E-04	1.52E-04	3.04E-04	1.50E-04	1.50E-04	3.00E-04
4487 497363.09, 3858377.25	0.00372	0.00372	5.83E-04	6.07E-04	5.49E-04	5.62E-04	5.30E-04	1.54E-04	1.54E-04	3.09E-04	1.51E-04	1.51E-04	3.01E-04	1.49E-04	1.49E-04	2.97E-04
4488 497863.09, 3858377.25	0.00387	0.00389	6.06E-04	6.35E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.61E-04	3.22E-04	1.57E-04	1.57E-04	3.14E-04	1.55E-04	1.55E-04	3.10E-04
4489 498363.09, 3858377.25	0.00409	0.00412	6.41E-04	6.73E-04	6.04E-04	6.18E-04	5.83E-04	1.70E-04	1.71E-04	3.41E-04	1.66E-04	1.67E-04	3.32E-04	1.63E-04	1.65E-04	3.28E-04
4490 471363.09, 3858877.25	0.00116	0.00118	1.82E-04	1.93E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.90E-05	9.71E-05	4.70E-05	4.78E-05	9.47E-05	4.63E-05	4.71E-05	9.35E-05
4491 471863.09, 3858877.25	0.00118	0.00119	1.85E-04	1.94E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.94E-05	9.83E-05	4.78E-05	4.82E-05	9.59E-05	4.71E-05	4.75E-05	9.47E-05
4492 472363.09, 3858877.25	0.00122	0.00123	1.91E-04	2.01E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.10E-05	1.02E-04	4.94E-05	4.98E-05	9.92E-05	4.87E-05	4.91E-05	9.79E-05
4493 472863.09, 3858877.25	0.00125	0.00126	1.96E-04	2.06E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.23E-05	1.04E-04	5.06E-05	5.10E-05	1.02E-04	4.99E-05	5.03E-05	1.00E-04
4494 473363.09, 3858877.25	0.0013	0.00131	2.04E-04	2.14E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.43E-05	1.08E-04	5.26E-05	5.30E-05	1.06E-04	5.19E-05	5.23E-05	1.04E-04
4495 473863.09, 3858877.25	0.00131	0.00132	2.05E-04	2.15E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.48E-05	1.09E-04	5.30E-05	5.34E-05	1.06E-04	5.23E-05	5.27E-05	1.05E-04
4496 474363.09, 3858877.25	0.00124	0.00128	1.94E-04	2.09E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.31E-05	1.05E-04	5.02E-05	5.18E-05	1.02E-04	4.95E-05	5.11E-05	1.01E-04
4497 474863.09, 3858877.25	0.00098	0.00101	1.54E-04	1.65E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	4.19E-05	8.26E-05	3.97E-05	4.09E-05	8.06E-05	3.91E-05	4.03E-05	7.95E-05
4498 475363.09, 3858877.25	0.00092	0.00093	1.44E-04	1.52E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.86E-05	7.68E-05	3.72E-05	3.77E-05	7.49E-05	3.68E-05	3.72E-05	7.39E-05
4499 475863.09, 3858877.25	0.00096	0.00097	1.50E-04	1.58E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	4.02E-05	8.01E-05	3.89E-05	3.93E-05	7.81E-05	3.83E-05	3.87E-05	7.71E-05
4500 476363.09, 3858877.25	0.00087	0.00086	1.36E-04	1.40E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.57E-05	7.18E-05	3.52E-05	3.48E-05	7.00E-05	3.48E-05	3.44E-05	6.91E-05
4501 476863.09, 3858877.25	0.00094	0.00093	1.47E-04	1.52E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.86E-05	7.76E-05	3.81E-05	3.77E-05	7.57E-05	3.76E-05	3.72E-05	7.47E-05
4502 477363.09, 3858877.25	0.00096	0.00096	1.50E-04	1.57E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.98E-05	7.97E-05	3.89E-05	3.89E-05	7.77E-05	3.83E-05	3.83E-05	7.67E-05
4503 477863.09, 3858877.25	0.00103	0.00103	1.61E-04	1.68E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.27E-05	8.55E-05	4.17E-05	4.17E-05	8.34E-05	4.11E-05	4.11E-05	8.23E-05
4504 478363.09, 3858877.25	0.00125	0.00131	1.96E-04	2.14E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.43E-05	1.06E-04	5.06E-05	5.30E-05	1.04E-04	4.99E-05	5.23E-05	1.02E-04
4505 478863.09, 3858877.25	0.00123	0.00127	1.93E-04	2.07E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.27E-05	1.04E-04	4.98E-05	5.14E-05	1.01E-04	4.91E-05	5.07E-05	9.99E-05
4506 479363.09, 3858877.25	0.00122	0.00124	1.91E-04	2.02E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.14E-05	1.02E-04	4.94E-05	5.02E-05	9.96E-05	4.87E-05	4.95E-05	9.83E-05
4507 479863.09, 3858877.25	0.00195	0.00193	3.05E-04	3.15E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	8.01E-05	1.61E-04	7.89E-05	7.81E-05	1.57E-04	7.79E-05	7.71E-05	1.55E-04
4508 480363.09, 3858877.25	0.00212	0.00205	3.32E-04	3.35E-04	3.13E-04	3.20E-04	3.02E-04	8.80E-05	8.51E-05	1.73E-04	8.58E-05	8.30E-05	1.69E-04	8.47E-05	8.19E-05	1.67E-04
4509 480863.09, 3858877.25	0.00226	0.00216	3.54E-04	3.53E-04	3.34E-04	3.42E-04	3.22E-04	9.38E-05	8.96E-05	1.83E-04	9.15E-05	8.74E-05	1.79E-04	9.03E-05	8.63E-05	1.77E-04
4510 481363.09, 3858877.25	0.00239	0.00227	3.74E-04	3.71E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	9.42E-05	1.93E-04	9.68E-05	9.19E-05	1.89E-04	9.55E-05	9.07E-05	1.86E-04
4511 481863.09, 3858877.25	0.00253	0.00241	3.96E-04	3.93E-04	3.73E-04	3.82E-04	3.61E-04	1.05E-04	1.00E-04	2.05E-04	1.02E-04	9.76E-05	2.00E-04	1.01E-04	9.63E-05	1.97E-04
4512 482363.09, 3858877.25	0.0027	0.00255	4.23E-04	4.16E-04	3.98E-04	4.08E-04	3.85E-04	1.12E-04	1.06E-04	2.18E-04	1.09E-04	1.03E-04	2.13E-04	1.08E-04	1.02E-04	2.10E-04
4513 482863.09, 3858877.25	0.00289	0.00272	4.53E-04	4.44E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.13E-04	2.33E-04	1.17E-04	1.10E-04	2.27E-04	1.15E-04	1.09E-04	2.24E-04
4514 483363.09, 3858877.25	0.00338	0.00293	5.29E-04	4.78E-04	4.99E-04	5.11E-04	4.82E-04	1.40E-04	1.22E-04	2.62E-04	1.37E-04	1.19E-04	2.55E-04	1.35E-04	1.17E-04	2.52E-04
4515 483863.09, 3858877.25	0.00361	0.00307	5.66E-04	5.01E-04	5.33E-04	5.46E-04	5.15E-04	1.50E-04	1.27E-04	2.77E-04	1.46E-04	1.24E-04	2.70E-04	1.44E-04	1.23E-04	2.67E-04
4516 484363.09, 3858877.25	0.00388	0.00326	6.08E-04	5.32E-04	5.73E-04	5.87E-04	5.53E-04	1.61E-04	1.35E-04	2.96E-04	1.57E-04	1.32E-04	2.89E-04	1.55E-04	1.30E-04	2.85E-04
4517 484863.09, 3858877.25	0.00423	0.00349	6.63E-04	5.70E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.45E-04	3.20E-04	1.71E-04	1.41E-04	3.13E-04	1.69E-04	1.39E-04	3.08E-04
4518 485363.09, 3858877.25	0.00478	0.00383	7.49E-04	6.25E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	1.59E-04	3.57E-04	1.94E-04	1.55E-04	3.49E-04	1.91E-04	1.53E-04	3.44E-04
4519 485863.09, 3858877.25	0.00553	0.00431	8.66E-04	7.04E-04	8.16E-04	8.36E-04	7.88E-04	2.29E-04	1.79E-04	4.08E-04	2.24E-04	1.74E-04	3.98E-04	2.21E-04	1.72E-04	3.93E-04
4520 486363.09, 3858877.25	0.00649	0.00492	1.02E-03	8.03E-04	9.58E-04	9.81E-04	9.25E-04	2.69E-04	2.04E-04	4.73E-04	2.63E-04	1.99E-04	4.62E-04	2.59E-04	1.97E-04	4.56E-04
4521 486863.09, 3858877.25	0.0079	0.00585	1.24E-03	9.55E-04	1.17E-03	1.19E-03	1.13E-03	3.28E-04	2.43E-04	5.70E-04	3.20E-04	2.37E-04	5.57E-04	3.16E-04	2.34E-04	5.49E-04
4522 487363.09, 3858877.25	0.01037	0.00746	1.62E-03	1.22E-03	1.53E-03	1.57E-03	1.48E-03	4.30E-04	3.09E-04	7.40E-04	4.20E-04	3.02E-04	7.22E-04	4.14E-04	2.98E-04	7.12E-04
4523 487863.09, 3858877.25	0.01531	0.01046	2.40E-03	1.71E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	4.34E-04	1.07E-03	6.20E-04	4.23E-04	1.04E-03	6.12E-04	4.18E-04	1.03E-03
4524 488363.09, 3858877.25	0.03441	0.02039	5.39E-03	3.33E-03	5.08E-03	5.20E-03	4.91E-03	1.43E-03	8.46E-04	2.27E-03	1.39E-03	8.25E-04	2.22E-03	1.37E-03	8.15E-04	2.19E-03
4525 488863.09, 3858877.25	0.23703	0.34546	3.71E-02	5.64E-02	3.50E-02	3.58E-02	3.38E-02	9.83E-03	1.43E-02	2.42E-02	9.60E-03	1.40E-02	2.36E-02	9.47E-03	1.38E-02	2.33E-02
4526 489363.09, 3858877.25	0.0545	0.05533	8.54E-03	9.03E-03	8.04E-03	8.24E-03	7.77E-03	2.26E-03	2.30E-03	4.56E-03	2.21E-03	2.24E-03	4.45E-03	2.18E-03	2.21E-03	4.39E-03
4527 489863.09, 3858877.25	0.03153	0.03009	4.94E-03	4.91E-03	4.65E-03	4.77E-03	4.50E-03	1.31E-03	1.25E-03	2.56E-03	1.28E-03	1.22E-03	2.49E-03	1.26E-03	1.20E-03	2.46E-03
4528 490363.09, 3858877.25	0.02191	0.02076	3.43E-03	3.39E-03	3.23E-03	3.31E-03	3.12E-03	9.09E-04	8.61E-04	1.77E-03	8.87E-04	8.40E-04	1.73E-03	8.75E-04	8.29E-04	1.70E-03
4529 490863.09, 3858877.25	0.01552	0.01478	2.43E-03	2.41E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.13E-04	1.26E-03	6.28E-04	5.98E-04	1.23E-03	6.20E-04	5.90E-04	1.21E-03
4530 491363.09, 3858877.25	0.01107	0.01066	1.73E-03	1.74E-03	1.63E-03	1.67E-03	1.58E-03	4.59E-04	4.42E-04	9.02E-04	4.48E-04	4.32E-04	8.80E-04	4.42E-04	4.26E-04	8.68E-04
4531 491863.09, 3858877.25	0.0084	0.00814	1.32E-03	1.33E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	3.38E-04	6.86E-04	3.40E-04	3.30E-04	6.70E-04	3.36E-04	3.25E-04	6.61E-04
4532 492363.09, 3858877.25	0.00822	0.00797	1.29E-03	1.30E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.31E-04	6.72E-04	3.33E-04	3.23E-04	6.55E-04	3.28E-04	3.18E-04	6.47E-04
4533 492863.09, 3858877.25	0.00835	0.00809	1.31E-03	1.32E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.36E-04	6.82E-04	3.38E-04	3.28E-04	6.66E-04	3.34E-04	3.23E-04	6.57E-04
4534 493363.09, 3858877.25	0.00736	0.0072	1.15E-03	1.18E-03	1.09E-03	1.11E-03	1.05E-03	3.05E-04	2.99E-04	6.04E-04	2.98E-04	2.91E-04	5.89E-04	2.94E-04	2.88E-04	5.82E-04
4535 493863.09, 3858877.25	0.00627	0.00619	9.82E-04	1.01E-03	9.25E-04	9.48E-04	8.94E-04	2.60E-04	2.57E-04	5.17E-04	2.54E-04	2.51E-04	5.04E-04	2.50E-04	2.47E-04	4.98E-04
4536 494363.09, 3858877.25	0.00572	0.00567	8.96E-04	9.26E-04	8.44E-04	8.65E-04	8.16E-04	2.37E-04	2.35E-04	4.73E-04	2.32E-04	2.30E-04	4.61E-04	2.28E-04	2.26E-04	4.55E-04
4537 494863.09, 3858877.25	0.0052	0.00517	8.15E-04	8.44E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.14E-04	4.30E-04	2.11E-04	2.09E-04	4.20E-04	2.08E-04	2.07E-04	4.14E-04
4538 495363.09, 3858877.25	0.00478	0.00475	7.49E-04	7.75E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	1.97E-04	3.95E-04	1.94E-04	1.92E-04	3.86E-04	1.91E-04	1.90E-04	3.81E-04
4539 495863.09, 3858877.25	0.00452	0.00451	7.08E-04	7.36E-04	6.67E-04	6.83E-04	6.44E-04	1.88E-04	1.87E-04	3.75E-04	1.83E-04	1.83E-04	3.66E-04	1.81E-04	1.80E-04	3.61E-04
4540 496363.09, 3858877.25	0.00438	0.00438	6.86E-04	7.15E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.82E-04	3.63E-04	1.77E-04	1.77E-04	3.55E-04	1.75E-04	1.75E-04	3.50E-04
4541 496863.09, 3858877.25	0.00427	0.00427	6.69E-04	6.97E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.77E-04	3.54E-04	1.73E-04	1.73E-04	3.46E-04	1.71E-04	1.71E-04	3.41E-04
4542 497363.09, 3858877.25	0.00417	0.00418	6.53E-04	6.82E-04	6.15E-04	6.30E-04	5.95E-04	1.73E-04	1.73E-04	3.46E-04	1.69E-04	1.69E-04	3.38E-04	1.67E-04	1.67E-04	3.34E-04
4543 497863.09, 3858877.25	0.00436	0.00437	6.83E-04	7.13E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.81E-04	3.62E-04	1.77E-04	1.77E-04	3.53E-04	1.74E-04	1.75E-04	3.49E-04
4544 498363.09, 3858877.25	0.00458	0.00458	7.17E-04	7.48E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.90E-04	3.80E-04	1.85E-04	1.85E-04	3.71E-04	1.83E-04	1.83E-04	3.66E-04
4545 471363.09, 3859377.25	0.00113	0.00114	1.77E-04	1.86E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.73E-05	9.42E-05	4.57E-05	4.62E-05	9.19E-05	4.51E-05	4.55E-05	9.07E-05
4546 471863.09, 3859377.25	0.00116	0.00117	1.82E-04	1.91E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.85E-05	9.67E-05	4.70E-05	4.74E-05	9.43E-05	4.63E-05	4.67E-05	9.31E-05
4547 472363.09, 3859377.25	0.00119	0.0012	1.86E-04	1.96E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.98E-05	9.92E-05	4.82E-05	4.86E-05	9.68E-05	4.75E-05	4.79E-05	9.55E-05
4548 472863.09, 3859377.25	0.00123	0.00123	1.93E-04	2.01E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.10E-05	1.02E-04	4.98E-05	4.98E-05	9.96E-05	4.91E-05	4.91E-05	9.83E-05
4549 473363.09, 3859377.25	0.00127	0.00126	1.99E-04	2.06E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.23E-05	1.05E-04	5.14E-05	5.10E-05	1.02E-04	5.07E-05	5.03E-05	1.01E-04
4550 473863.09, 3859377.25	0.00129	0.00128	2.02E-04	2.09E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.31E-05	1.07E-04	5.22E-05	5.18E-05	1.04E-04	5.15E-05	5.11E-05	1.03E-04

4551 474363.09, 3859377.25	0.00122	0.00124	1.91E-04	2.02E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.14E-05	1.02E-04	4.94E-05	5.02E-05	9.96E-05	4.87E-05	4.95E-05	9.83E-05
4552 474863.09, 3859377.25	0.00109	0.00113	1.71E-04	1.84E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.69E-05	9.21E-05	4.41E-05	4.57E-05	8.99E-05	4.35E-05	4.51E-05	8.87E-05
4553 475363.09, 3859377.25	0.00096	0.00099	1.50E-04	1.62E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	4.11E-05	8.09E-05	3.89E-05	4.01E-05	7.89E-05	3.83E-05	3.95E-05	7.79E-05
4554 475863.09, 3859377.25	0.00087	0.00088	1.36E-04	1.44E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.65E-05	7.26E-05	3.52E-05	3.56E-05	7.08E-05	3.48E-05	3.52E-05	6.99E-05
4555 476363.09, 3859377.25	0.00086	0.00086	1.35E-04	1.40E-04	1.27E-04	1.30E-04	1.23E-04	3.57E-05	3.57E-05	7.14E-05	3.48E-05	3.48E-05	6.96E-05	3.44E-05	3.44E-05	6.87E-05
4556 476863.09, 3859377.25	0.00083	0.00082	1.30E-04	1.34E-04	1.22E-04	1.25E-04	1.18E-04	3.44E-05	3.40E-05	6.85E-05	3.36E-05	3.32E-05	6.68E-05	3.32E-05	3.28E-05	6.59E-05
4557 477363.09, 3859377.25	0.00086	0.00086	1.35E-04	1.40E-04	1.27E-04	1.30E-04	1.23E-04	3.57E-05	3.57E-05	7.14E-05	3.48E-05	3.48E-05	6.96E-05	3.44E-05	3.44E-05	6.87E-05
4558 477863.09, 3859377.25	0.001	0.00102	1.57E-04	1.66E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.23E-05	8.38E-05	4.05E-05	4.13E-05	8.18E-05	3.99E-05	4.07E-05	8.07E-05
4559 478363.09, 3859377.25	0.00114	0.00119	1.79E-04	1.94E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.94E-05	9.67E-05	4.62E-05	4.82E-05	9.43E-05	4.55E-05	4.75E-05	9.31E-05
4560 478863.09, 3859377.25	0.00134	0.00141	2.10E-04	2.30E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.85E-05	1.14E-04	5.42E-05	5.71E-05	1.11E-04	5.35E-05	5.63E-05	1.10E-04
4561 479363.09, 3859377.25	0.00156	0.0016	2.44E-04	2.61E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.64E-05	1.31E-04	6.32E-05	6.48E-05	1.28E-04	6.23E-05	6.39E-05	1.26E-04
4562 479863.09, 3859377.25	0.00176	0.00175	2.76E-04	2.86E-04	2.60E-04	2.66E-04	2.51E-04	7.30E-05	7.26E-05	1.46E-04	7.13E-05	7.08E-05	1.42E-04	7.03E-05	6.99E-05	1.40E-04
4563 480363.09, 3859377.25	0.00195	0.00189	3.05E-04	3.09E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	7.84E-05	1.59E-04	7.89E-05	7.65E-05	1.55E-04	7.79E-05	7.55E-05	1.53E-04
4564 480863.09, 3859377.25	0.0021	0.002	3.29E-04	3.26E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.30E-05	1.70E-04	8.50E-05	8.10E-05	1.66E-04	8.39E-05	7.99E-05	1.64E-04
4565 481363.09, 3859377.25	0.00222	0.0021	3.48E-04	3.43E-04	3.28E-04	3.36E-04	3.17E-04	9.21E-05	8.71E-05	1.79E-04	8.99E-05	8.50E-05	1.75E-04	8.87E-05	8.39E-05	1.73E-04
4566 481863.09, 3859377.25	0.00234	0.0022	3.67E-04	3.59E-04	3.45E-04	3.54E-04	3.34E-04	9.71E-05	9.13E-05	1.88E-04	9.47E-05	8.91E-05	1.84E-04	9.35E-05	8.79E-05	1.81E-04
4567 482363.09, 3859377.25	0.00248	0.00232	3.88E-04	3.79E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	9.63E-05	1.99E-04	1.00E-04	9.39E-05	1.94E-04	9.91E-05	9.27E-05	1.92E-04
4568 482863.09, 3859377.25	0.00264	0.00245	4.14E-04	4.00E-04	3.90E-04	3.99E-04	3.76E-04	1.10E-04	1.02E-04	2.11E-04	1.07E-04	9.92E-05	2.06E-04	1.05E-04	9.79E-05	2.03E-04
4569 483363.09, 3859377.25	0.00293	0.00262	4.59E-04	4.28E-04	4.32E-04	4.43E-04	4.18E-04	1.22E-04	1.09E-04	2.30E-04	1.19E-04	1.06E-04	2.25E-04	1.17E-04	1.05E-04	2.22E-04
4570 483863.09, 3859377.25	0.00317	0.00278	4.97E-04	4.54E-04	4.68E-04	4.79E-04	4.52E-04	1.32E-04	1.15E-04	2.47E-04	1.28E-04	1.13E-04	2.41E-04	1.27E-04	1.11E-04	2.38E-04
4571 484363.09, 3859377.25	0.00343	0.003	5.37E-04	4.90E-04	5.06E-04	5.18E-04	4.89E-04	1.42E-04	1.24E-04	2.67E-04	1.39E-04	1.21E-04	2.60E-04	1.37E-04	1.20E-04	2.57E-04
4572 484863.09, 3859377.25	0.00373	0.00324	5.84E-04	5.29E-04	5.51E-04	5.64E-04	5.32E-04	1.55E-04	1.34E-04	2.89E-04	1.51E-04	1.31E-04	2.82E-04	1.49E-04	1.29E-04	2.78E-04
4573 485363.09, 3859377.25	0.00411	0.00354	6.44E-04	5.78E-04	6.07E-04	6.21E-04	5.86E-04	1.71E-04	1.47E-04	3.17E-04	1.66E-04	1.43E-04	3.10E-04	1.64E-04	1.41E-04	3.06E-04
4574 485863.09, 3859377.25	0.00457	0.00388	7.16E-04	6.33E-04	6.74E-04	6.91E-04	6.52E-04	1.90E-04	1.61E-04	3.51E-04	1.85E-04	1.57E-04	3.42E-04	1.83E-04	1.55E-04	3.38E-04
4575 486363.09, 3859377.25	0.00509	0.00428	7.97E-04	6.99E-04	7.51E-04	7.69E-04	7.26E-04	2.11E-04	1.78E-04	3.89E-04	2.06E-04	1.73E-04	3.79E-04	2.03E-04	1.71E-04	3.74E-04
4576 486863.09, 3859377.25	0.00576	0.0048	9.02E-04	7.83E-04	8.50E-04	8.71E-04	8.21E-04	2.39E-04	1.99E-04	4.38E-04	2.33E-04	1.94E-04	4.28E-04	2.30E-04	1.92E-04	4.22E-04
4577 487363.09, 3859377.25	0.0067	0.00563	1.05E-03	9.19E-04	9.89E-04	1.01E-03	9.55E-04	2.78E-04	2.34E-04	5.12E-04	2.71E-04	2.28E-04	4.99E-04	2.68E-04	2.25E-04	4.93E-04
4578 487863.09, 3859377.25	0.00821	0.00702	1.29E-03	1.15E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	2.91E-04	6.32E-04	3.32E-04	2.84E-04	6.17E-04	3.28E-04	2.80E-04	6.08E-04
4579 488363.09, 3859377.25	0.01089	0.00948	1.71E-03	1.55E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	3.93E-04	8.45E-04	4.41E-04	3.84E-04	8.25E-04	4.35E-04	3.79E-04	8.14E-04
4580 488863.09, 3859377.25	0.01701	0.0154	2.66E-03	2.51E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	6.39E-04	1.34E-03	6.89E-04	6.23E-04	1.31E-03	6.79E-04	6.15E-04	1.29E-03
4581 489363.09, 3859377.25	0.0459	0.0433	7.19E-03	7.07E-03	6.77E-03	6.94E-03	6.54E-03	1.90E-03	1.80E-03	3.70E-03	1.86E-03	1.75E-03	3.61E-03	1.83E-03	1.73E-03	3.56E-03
4582 489863.09, 3859377.25	0.14876	0.15125	2.33E-02	2.47E-02	2.20E-02	2.25E-02	2.12E-02	6.17E-03	6.28E-03	1.24E-02	6.02E-03	6.12E-03	1.21E-02	5.94E-03	6.04E-03	1.20E-02
4583 490363.09, 3859377.25	0.04757	0.04692	7.45E-03	7.66E-03	7.02E-03	7.19E-03	6.78E-03	1.97E-03	1.95E-03	3.92E-03	1.93E-03	1.90E-03	3.83E-03	1.90E-03	1.87E-03	3.77E-03
4584 490863.09, 3859377.25	0.02607	0.02551	4.08E-03	4.16E-03	3.85E-03	3.94E-03	3.72E-03	1.08E-03	1.06E-03	2.14E-03	1.06E-03	1.03E-03	2.09E-03	1.04E-03	1.02E-03	2.06E-03
4585 491363.09, 3859377.25	0.01545	0.01521	2.42E-03	2.48E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	6.31E-04	1.27E-03	6.25E-04	6.16E-04	1.24E-03	6.17E-04	6.08E-04	1.22E-03
4586 491863.09, 3859377.25	0.01455	0.01423	2.28E-03	2.32E-03	2.15E-03	2.20E-03	2.07E-03	6.04E-04	5.90E-04	1.19E-03	5.89E-04	5.76E-04	1.17E-03	5.81E-04	5.68E-04	1.15E-03
4587 492363.09, 3859377.25	0.0124	0.0121	1.94E-03	1.98E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	5.02E-04	1.02E-03	5.02E-04	4.90E-04	9.92E-04	4.95E-04	4.83E-04	9.79E-04
4588 492863.09, 3859377.25	0.01109	0.01079	1.74E-03	1.76E-03	1.64E-03	1.68E-03	1.58E-03	4.60E-04	4.48E-04	9.08E-04	4.49E-04	4.37E-04	8.86E-04	4.43E-04	4.31E-04	8.74E-04
4589 493363.09, 3859377.25	0.00932	0.00907	1.46E-03	1.48E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.76E-04	7.63E-04	3.77E-04	3.67E-04	7.45E-04	3.72E-04	3.62E-04	7.35E-04
4590 493863.09, 3859377.25	0.00844	0.00822	1.32E-03	1.34E-03	1.25E-03	1.28E-03	1.20E-03	3.50E-04	3.41E-04	6.91E-04	3.42E-04	3.33E-04	6.74E-04	3.37E-04	3.28E-04	6.66E-04
4591 494363.09, 3859377.25	0.00754	0.00738	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.06E-04	6.19E-04	3.05E-04	2.99E-04	6.04E-04	3.01E-04	2.95E-04	5.96E-04
4592 494863.09, 3859377.25	0.00645	0.00637	1.01E-03	1.04E-03	9.52E-04	9.75E-04	9.20E-04	2.68E-04	2.64E-04	5.32E-04	2.61E-04	2.58E-04	5.19E-04	2.58E-04	2.54E-04	5.12E-04
4593 495363.09, 3859377.25	0.00599	0.00594	9.38E-04	9.70E-04	8.84E-04	9.05E-04	8.54E-04	2.49E-04	2.46E-04	4.95E-04	2.43E-04	2.40E-04	4.83E-04	2.39E-04	2.37E-04	4.77E-04
4594 495863.09, 3859377.25	0.0055	0.00547	8.62E-04	8.93E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.19E-04	4.38E-04
4595 496363.09, 3859377.25	0.0053	0.00527	8.30E-04	8.60E-04	7.82E-04	8.01E-04	7.56E-04	2.20E-04	2.19E-04	4.39E-04	2.15E-04	2.13E-04	4.28E-04	2.12E-04	2.11E-04	4.22E-04
4596 496863.09, 3859377.25	0.00488	0.00486	7.64E-04	7.93E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.02E-04	4.04E-04	1.98E-04	1.97E-04	3.94E-04	1.95E-04	1.94E-04	3.89E-04
4597 497363.09, 3859377.25	0.00488	0.00486	7.64E-04	7.93E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.02E-04	4.04E-04	1.98E-04	1.97E-04	3.94E-04	1.95E-04	1.94E-04	3.89E-04
4598 497863.09, 3859377.25	0.00507	0.00503	7.94E-04	8.21E-04	7.48E-04	7.66E-04	7.23E-04	2.10E-04	2.09E-04	4.19E-04	2.05E-04	2.04E-04	4.09E-04	2.03E-04	2.01E-04	4.03E-04
4599 498363.09, 3859377.25	0.00525	0.00518	8.22E-04	8.46E-04	7.75E-04	7.94E-04	7.49E-04	2.18E-04	2.15E-04	4.33E-04	2.13E-04	2.10E-04	4.22E-04	2.10E-04	2.07E-04	4.17E-04
4600 471363.09, 3859877.25	0.00111	0.00111	1.74E-04	1.81E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.61E-05	9.21E-05	4.49E-05	4.49E-05	8.99E-05	4.43E-05	4.43E-05	8.87E-05
4601 471863.09, 3859877.25	0.00114	0.00114	1.79E-04	1.86E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.73E-05	9.46E-05	4.62E-05	4.62E-05	9.23E-05	4.55E-05	4.55E-05	9.11E-05
4602 472363.09, 3859877.25	0.00116	0.00116	1.82E-04	1.89E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.81E-05	9.63E-05	4.70E-05	4.70E-05	9.39E-05	4.63E-05	4.63E-05	9.27E-05
4603 472863.09, 3859877.25	0.0012	0.00119	1.88E-04	1.94E-04	1.77E-04	1.81E-04	1.71E-04	4.98E-05	4.94E-05	9.92E-05	4.86E-05	4.82E-05	9.68E-05	4.79E-05	4.75E-05	9.55E-05
4604 473363.09, 3859877.25	0.00123	0.00122	1.93E-04	1.99E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.06E-05	1.02E-04	4.98E-05	4.94E-05	9.92E-05	4.91E-05	4.87E-05	9.79E-05
4605 473863.09, 3859877.25	0.00126	0.00125	1.97E-04	2.04E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.19E-05	1.04E-04	5.10E-05	5.06E-05	1.02E-04	5.03E-05	4.99E-05	1.00E-04
4606 474363.09, 3859877.25	0.00121	0.00123	1.90E-04	2.01E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	5.10E-05	1.01E-04	4.90E-05	4.98E-05	9.88E-05	4.83E-05	4.91E-05	9.75E-05
4607 474863.09, 3859877.25	0.00113	0.00117	1.77E-04	1.91E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.85E-05	9.54E-05	4.57E-05	4.74E-05	9.31E-05	4.51E-05	4.67E-05	9.19E-05
4608 475363.09, 3859877.25	0.00098	0.00101	1.54E-04	1.65E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	4.19E-05	8.26E-05	3.97E-05	4.09E-05	8.06E-05	3.91E-05	4.03E-05	7.95E-05
4609 475863.09, 3859877.25	0.00084	0.00085	1.32E-04	1.39E-04	1.24E-04	1.27E-04	1.20E-04	3.48E-05	3.53E-05	7.01E-05	3.40E-05	3.44E-05	6.84E-05	3.36E-05	3.40E-05	6.75E-05
4610 476363.09, 3859877.25	0.00075	0.00075	1.17E-04	1.22E-04	1.11E-04	1.13E-04	1.07E-04	3.11E-05	3.11E-05	6.22E-05	3.04E-05	3.04E-05	6.07E-05	3.00E-05	3.00E-05	5.99E-05
4611 476863.09, 3859877.25	0.00079	0.00079	1.24E-04	1.29E-04	1.17E-04	1.19E-04	1.13E-04	3.28E-05	3.28E-05	6.56E-05	3.20E-05	3.20E-05	6.40E-05	3.16E-05	3.16E-05	6.31E-05
4612 477363.09, 3859877.25	0.00082	0.00082	1.28E-04	1.34E-04	1.21E-04	1.24E-04	1.17E-04	3.40E-05	3.40E-05	6.80E-05	3.32E-05	3.32E-05	6.64E-05	3.28E-05	3.28E-05	6.55E-05
4613 477863.09, 3859877.25	0.00094	0.00096	1.47E-04	1.57E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.98E-05	7.88E-05	3.81E-05	3.89E-05	7.69E-05	3.76E-05	3.83E-05	7.59E-05
4614 478363.09, 3859877.25	0.00109	0.00114	1.71E-04	1.86E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.73E-05	9.25E-05	4.41E-05	4.62E-05	9.03E-05	4.35E-05	4.55E-05	8.91E-05
4615 478863.09, 3859877.25	0.00129	0.00135	2.02E-04	2.20E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.60E-05	1.10E-04	5.22E-05	5.47E-05	1.07E-04	5.15E-05	5.39E-05	1.05E-04
4616 479363.09, 3859877.25	0.00153	0.00155	2.40E-04	2.53E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.43E-05	1.28E-04	6.19E-05	6.28E-05	1.25E-04	6.11E-05	6.19E-05	1.23E-04

4617 479863.09, 3859877.25	0.00172	0.00169	2.69E-04	2.76E-04	2.54E-04	2.60E-04	2.45E-04	7.14E-05	7.01E-05	1.41E-04	6.96E-05	6.84E-05	1.38E-04	6.87E-05	6.75E-05	1.36E-04
4618 480363.09, 3859877.25	0.00188	0.00181	2.95E-04	2.95E-04	2.77E-04	2.84E-04	2.68E-04	7.80E-05	7.51E-05	1.53E-04	7.61E-05	7.33E-05	1.49E-04	7.51E-05	7.23E-05	1.47E-04
4619 480863.09, 3859877.25	0.002	0.0019	3.13E-04	3.10E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	7.88E-05	1.62E-04	8.10E-05	7.69E-05	1.58E-04	7.99E-05	7.59E-05	1.56E-04
4620 481363.09, 3859877.25	0.0021	0.00198	3.29E-04	3.23E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.21E-05	1.69E-04	8.50E-05	8.02E-05	1.65E-04	8.39E-05	7.91E-05	1.63E-04
4621 481863.09, 3859877.25	0.0022	0.00207	3.45E-04	3.38E-04	3.25E-04	3.33E-04	3.14E-04	9.13E-05	8.59E-05	1.77E-04	8.91E-05	8.38E-05	1.73E-04	8.79E-05	8.27E-05	1.71E-04
4622 482363.09, 3859877.25	0.00232	0.00217	3.63E-04	3.54E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.00E-05	1.86E-04	9.39E-05	8.79E-05	1.82E-04	9.27E-05	8.67E-05	1.79E-04
4623 482863.09, 3859877.25	0.00243	0.00226	3.81E-04	3.69E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	9.38E-05	1.95E-04	9.84E-05	9.15E-05	1.90E-04	9.71E-05	9.03E-05	1.87E-04
4624 483363.09, 3859877.25	0.00257	0.00238	4.03E-04	3.88E-04	3.79E-04	3.88E-04	3.66E-04	1.07E-04	9.87E-05	2.05E-04	1.04E-04	9.64E-05	2.00E-04	1.03E-04	9.51E-05	1.98E-04
4625 483863.09, 3859877.25	0.00279	0.00251	4.37E-04	4.10E-04	4.12E-04	4.22E-04	3.98E-04	1.16E-04	1.04E-04	2.20E-04	1.13E-04	1.02E-04	2.15E-04	1.11E-04	1.00E-04	2.12E-04
4626 484363.09, 3859877.25	0.00296	0.00265	4.64E-04	4.33E-04	4.37E-04	4.47E-04	4.22E-04	1.23E-04	1.10E-04	2.33E-04	1.20E-04	1.07E-04	2.27E-04	1.18E-04	1.06E-04	2.24E-04
4627 484863.09, 3859877.25	0.00315	0.00283	4.93E-04	4.62E-04	4.65E-04	4.76E-04	4.49E-04	1.31E-04	1.17E-04	2.48E-04	1.28E-04	1.15E-04	2.42E-04	1.26E-04	1.13E-04	2.39E-04
4628 485363.09, 3859877.25	0.00342	0.00307	5.36E-04	5.01E-04	5.05E-04	5.17E-04	4.88E-04	1.42E-04	1.27E-04	2.69E-04	1.38E-04	1.24E-04	2.63E-04	1.37E-04	1.23E-04	2.59E-04
4629 485863.09, 3859877.25	0.00379	0.00338	5.94E-04	5.52E-04	5.59E-04	5.73E-04	5.40E-04	1.57E-04	1.40E-04	2.97E-04	1.53E-04	1.37E-04	2.90E-04	1.51E-04	1.35E-04	2.86E-04
4630 486363.09, 3859877.25	0.00423	0.00377	6.63E-04	6.15E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.56E-04	3.32E-04	1.71E-04	1.53E-04	3.24E-04	1.69E-04	1.51E-04	3.20E-04
4631 486863.09, 3859877.25	0.00475	0.00424	7.44E-04	6.92E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.76E-04	3.73E-04	1.92E-04	1.72E-04	3.64E-04	1.90E-04	1.69E-04	3.59E-04
4632 487363.09, 3859877.25	0.00531	0.00476	8.32E-04	7.77E-04	7.84E-04	8.03E-04	7.57E-04	2.20E-04	1.97E-04	4.18E-04	2.15E-04	1.93E-04	4.08E-04	2.12E-04	1.90E-04	4.02E-04
4633 487863.09, 3859877.25	0.00604	0.0055	9.46E-04	8.98E-04	8.91E-04	9.13E-04	8.61E-04	2.51E-04	2.28E-04	4.79E-04	2.45E-04	2.23E-04	4.67E-04	2.41E-04	2.20E-04	4.61E-04
4634 488363.09, 3859877.25	0.00691	0.00641	1.08E-03	1.05E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.66E-04	5.53E-04	2.80E-04	2.60E-04	5.39E-04	2.76E-04	2.56E-04	5.32E-04
4635 488863.09, 3859877.25	0.00857	0.00808	1.34E-03	1.32E-03	1.26E-03	1.30E-03	1.22E-03	3.56E-04	3.35E-04	6.91E-04	3.47E-04	3.27E-04	6.74E-04	3.42E-04	3.23E-04	6.65E-04
4636 489363.09, 3859877.25	0.01155	0.01116	1.81E-03	1.82E-03	1.70E-03	1.75E-03	1.65E-03	4.79E-04	4.63E-04	9.42E-04	4.68E-04	4.52E-04	9.19E-04	4.61E-04	4.46E-04	9.07E-04
4637 489863.09, 3859877.25	0.01818	0.01777	2.85E-03	2.90E-03	2.68E-03	2.75E-03	2.59E-03	7.54E-04	7.37E-04	1.49E-03	7.36E-04	7.19E-04	1.46E-03	7.26E-04	7.10E-04	1.44E-03
4638 490363.09, 3859877.25	0.04087	0.04017	6.40E-03	6.56E-03	6.03E-03	6.18E-03	5.83E-03	1.70E-03	1.67E-03	3.36E-03	1.65E-03	1.63E-03	3.28E-03	1.63E-03	1.60E-03	3.24E-03
4639 490863.09, 3859877.25	0.31015	0.34177	4.86E-02	5.58E-02	4.58E-02	4.69E-02	4.42E-02	1.29E-02	1.42E-02	2.70E-02	1.26E-02	1.38E-02	2.64E-02	1.24E-02	1.37E-02	2.60E-02
4640 491363.09, 3859877.25	0.06003	0.05988	9.40E-03	9.77E-03	8.86E-03	9.07E-03	8.56E-03	2.49E-03	2.48E-03	4.97E-03	2.43E-03	2.42E-03	4.85E-03	2.40E-03	2.39E-03	4.79E-03
4641 491863.09, 3859877.25	0.03041	0.03018	4.76E-03	4.93E-03	4.49E-03	4.60E-03	4.34E-03	1.26E-03	1.25E-03	2.51E-03	1.23E-03	1.22E-03	2.45E-03	1.21E-03	1.21E-03	2.42E-03
4642 492363.09, 3859877.25	0.02064	0.02043	3.23E-03	3.33E-03	3.05E-03	3.12E-03	2.94E-03	8.56E-04	8.48E-04	1.70E-03	8.36E-04	8.27E-04	1.66E-03	8.25E-04	8.16E-04	1.64E-03
4643 492863.09, 3859877.25	0.01515	0.01496	2.37E-03	2.44E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.21E-04	1.25E-03	6.13E-04	6.06E-04	1.22E-03	6.05E-04	5.98E-04	1.20E-03
4644 493363.09, 3859877.25	0.01249	0.01229	1.96E-03	2.01E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	5.10E-04	1.03E-03	5.06E-04	4.98E-04	1.00E-03	4.99E-04	4.91E-04	9.90E-04
4645 493863.09, 3859877.25	0.01074	0.01052	1.68E-03	1.72E-03	1.59E-03	1.62E-03	1.53E-03	4.46E-04	4.36E-04	8.82E-04	4.35E-04	4.26E-04	8.61E-04	4.29E-04	4.20E-04	8.49E-04
4646 494363.09, 3859877.25	0.00925	0.00905	1.45E-03	1.48E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	3.75E-04	7.59E-04	3.74E-04	3.66E-04	7.41E-04	3.70E-04	3.62E-04	7.31E-04
4647 494863.09, 3859877.25	0.00845	0.00826	1.32E-03	1.35E-03	1.25E-03	1.28E-03	1.20E-03	3.51E-04	3.43E-04	6.93E-04	3.42E-04	3.34E-04	6.76E-04	3.38E-04	3.30E-04	6.68E-04
4648 495363.09, 3859877.25	0.00764	0.00748	1.20E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.03E-04	6.12E-04	3.05E-04	2.99E-04	6.04E-04
4649 495863.09, 3859877.25	0.00694	0.00681	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.90E-04	2.88E-04	2.83E-04	5.70E-04	2.81E-04	2.76E-04	5.57E-04	2.77E-04	2.72E-04	5.49E-04
4650 496363.09, 3859877.25	0.00613	0.00606	9.60E-04	9.89E-04	9.05E-04	9.27E-04	8.74E-04	2.54E-04	2.51E-04	5.06E-04	2.48E-04	2.45E-04	4.94E-04	2.45E-04	2.42E-04	4.87E-04
4651 496863.09, 3859877.25	0.00508	0.00506	7.96E-04	8.26E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.10E-04	4.21E-04	2.06E-04	2.05E-04	4.11E-04	2.03E-04	2.02E-04	4.05E-04
4652 497363.09, 3859877.25	0.00539	0.00536	8.44E-04	8.75E-04	7.95E-04	8.15E-04	7.69E-04	2.24E-04	2.22E-04	4.46E-04	2.18E-04	2.17E-04	4.35E-04	2.15E-04	2.14E-04	4.29E-04
4653 497863.09, 3859877.25	0.00584	0.00576	9.15E-04	9.40E-04	8.62E-04	8.83E-04	8.33E-04	2.42E-04	2.39E-04	4.81E-04	2.36E-04	2.33E-04	4.70E-04	2.33E-04	2.30E-04	4.63E-04
4654 498363.09, 3859877.25	0.00607	0.00597	9.51E-04	9.74E-04	8.96E-04	9.18E-04	8.65E-04	2.52E-04	2.48E-04	5.00E-04	2.46E-04	2.42E-04	4.87E-04	2.42E-04	2.38E-04	4.81E-04
4655 471363.09, 3860377.25	0.00109	0.00108	1.71E-04	1.76E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.48E-05	9.00E-05	4.41E-05	4.37E-05	8.79E-05	4.35E-05	4.31E-05	8.67E-05
4656 471863.09, 3860377.25	0.00111	0.0011	1.74E-04	1.80E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.56E-05	9.17E-05	4.49E-05	4.45E-05	8.95E-05	4.43E-05	4.39E-05	8.83E-05
4657 472363.09, 3860377.25	0.00114	0.00113	1.79E-04	1.84E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.69E-05	9.42E-05	4.62E-05	4.57E-05	9.19E-05	4.55E-05	4.51E-05	9.07E-05
4658 472863.09, 3860377.25	0.00117	0.00116	1.83E-04	1.89E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.81E-05	9.67E-05	4.74E-05	4.70E-05	9.43E-05	4.67E-05	4.63E-05	9.31E-05
4659 473363.09, 3860377.25	0.0012	0.00119	1.88E-04	1.94E-04	1.77E-04	1.81E-04	1.71E-04	4.98E-05	4.94E-05	9.92E-05	4.86E-05	4.82E-05	9.68E-05	4.79E-05	4.75E-05	9.55E-05
4660 473863.09, 3860377.25	0.00122	0.00121	1.91E-04	1.98E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.02E-05	1.01E-04	4.94E-05	4.90E-05	9.84E-05	4.87E-05	4.83E-05	9.71E-05
4661 474363.09, 3860377.25	0.00122	0.00122	1.91E-04	1.99E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.06E-05	1.01E-04	4.94E-05	4.94E-05	9.88E-05	4.87E-05	4.87E-05	9.75E-05
4662 474863.09, 3860377.25	0.0012	0.00121	1.88E-04	1.98E-04	1.77E-04	1.81E-04	1.71E-04	4.98E-05	5.02E-05	1.00E-04	4.86E-05	4.90E-05	9.76E-05	4.79E-05	4.83E-05	9.63E-05
4663 475363.09, 3860377.25	0.00113	0.00116	1.77E-04	1.89E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.81E-05	9.50E-05	4.57E-05	4.70E-05	9.27E-05	4.51E-05	4.63E-05	9.15E-05
4664 475863.09, 3860377.25	0.00107	0.0011	1.68E-04	1.80E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.56E-05	9.00E-05	4.33E-05	4.45E-05	8.79E-05	4.27E-05	4.39E-05	8.67E-05
4665 476363.09, 3860377.25	0.00098	0.00102	1.54E-04	1.66E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	4.23E-05	8.30E-05	3.97E-05	4.13E-05	8.10E-05	3.91E-05	4.07E-05	7.99E-05
4666 476863.09, 3860377.25	0.00096	0.00099	1.50E-04	1.62E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	4.11E-05	8.09E-05	3.89E-05	4.01E-05	7.89E-05	3.83E-05	3.95E-05	7.79E-05
4667 477363.09, 3860377.25	0.00086	0.00087	1.35E-04	1.42E-04	1.27E-04	1.30E-04	1.23E-04	3.57E-05	3.61E-05	7.18E-05	3.48E-05	3.52E-05	7.00E-05	3.44E-05	3.48E-05	6.91E-05
4668 477863.09, 3860377.25	0.00092	0.00094	1.44E-04	1.53E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.90E-05	7.72E-05	3.72E-05	3.81E-05	7.53E-05	3.68E-05	3.76E-05	7.43E-05
4669 478363.09, 3860377.25	0.00108	0.00113	1.69E-04	1.84E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.69E-05	9.17E-05	4.37E-05	4.57E-05	8.95E-05	4.31E-05	4.51E-05	8.83E-05
4670 478863.09, 3860377.25	0.00126	0.0013	1.97E-04	2.12E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.39E-05	1.06E-04	5.10E-05	5.26E-05	1.04E-04	5.03E-05	5.19E-05	1.02E-04
4671 479363.09, 3860377.25	0.00147	0.00148	2.30E-04	2.42E-04	2.17E-04	2.22E-04	2.10E-04	6.10E-05	6.14E-05	1.22E-04	5.95E-05	5.99E-05	1.19E-04	5.87E-05	5.91E-05	1.18E-04
4672 479863.09, 3860377.25	0.00165	0.00162	2.58E-04	2.64E-04	2.44E-04	2.49E-04	2.35E-04	6.85E-05	6.72E-05	1.36E-04	6.68E-05	6.56E-05	1.32E-04	6.59E-05	6.47E-05	1.31E-04
4673 480363.09, 3860377.25	0.00179	0.00172	2.80E-04	2.81E-04	2.64E-04	2.71E-04	2.55E-04	7.43E-05	7.14E-05	1.46E-04	7.25E-05	6.96E-05	1.42E-04	7.15E-05	6.87E-05	1.40E-04
4674 480863.09, 3860377.25	0.00191	0.00181	2.99E-04	2.95E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	7.51E-05	1.54E-04	7.73E-05	7.33E-05	1.51E-04	7.63E-05	7.23E-05	1.49E-04
4675 481363.09, 3860377.25	0.00198	0.00188	3.10E-04	3.07E-04	2.92E-04	2.99E-04	2.82E-04	8.21E-05	7.80E-05	1.60E-04	8.02E-05	7.61E-05	1.56E-04	7.91E-05	7.51E-05	1.54E-04
4676 481863.09, 3860377.25	0.0021	0.00198	3.29E-04	3.23E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.21E-05	1.69E-04	8.50E-05	8.02E-05	1.65E-04	8.39E-05	7.91E-05	1.63E-04
4677 482363.09, 3860377.25	0.0022	0.00206	3.45E-04	3.36E-04	3.25E-04	3.33E-04	3.14E-04	9.13E-05	8.55E-05	1.77E-04	8.91E-05	8.34E-05	1.72E-04	8.79E-05	8.23E-05	1.70E-04
4678 482863.09, 3860377.25	0.00228	0.00214	3.57E-04	3.49E-04	3.36E-04	3.45E-04	3.25E-04	9.46E-05	8.88E-05	1.83E-04	9.23E-05	8.66E-05	1.79E-04	9.11E-05	8.55E-05	1.77E-04
4679 483363.09, 3860377.25	0.00242	0.00225	3.79E-04	3.67E-04	3.57E-04	3.66E-04	3.45E-04	1.00E-04	9.33E-05	1.94E-04	9.80E-05	9.11E-05	1.89E-04	9.67E-05	8.99E-05	1.87E-04
4680 483863.09, 3860377.25	0.00253	0.00235	3.96E-04	3.84E-04	3.73E-04	3.82E-04	3.61E-04	1.05E-04	9.75E-05	2.02E-04	1.02E-04	9.51E-05	1.98E-04	1.01E-04	9.39E-05	1.95E-04
4681 484363.09, 3860377.25	0.00269	0.00247	4.21E-04	4.03E-04	3.97E-04	4.07E-04	3.84E-04	1.12E-04	1.02E-04	2.14E-04	1.09E-04	1.00E-04	2.09E-04	1.07E-04	9.87E-05	2.06E-04
4682 484863.09, 3860377.25	0.00282	0.0026	4.42E-04	4.24E-04	4.16E-04	4.26E-04	4.02E-04	1.17E-04	1.08E-04	2.25E-04	1.14E-04	1.05E-04	2.19E-04	1.13E-04	1.04E-04	2.17E-04

4683 485363.09, 3860377.25	0.00298	0.00275	4.67E-04	4.49E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.14E-04	2.38E-04	1.21E-04	1.11E-04	2.32E-04	1.19E-04	1.10E-04	2.29E-04
4684 485863.09, 3860377.25	0.00322	0.00296	5.04E-04	4.83E-04	4.75E-04	4.87E-04	4.59E-04	1.34E-04	1.23E-04	2.56E-04	1.30E-04	1.20E-04	2.50E-04	1.29E-04	1.18E-04	2.47E-04
4685 486363.09, 3860377.25	0.00351	0.00322	5.50E-04	5.26E-04	5.18E-04	5.31E-04	5.00E-04	1.46E-04	1.34E-04	2.79E-04	1.42E-04	1.30E-04	2.72E-04	1.40E-04	1.29E-04	2.69E-04
4686 486863.09, 3860377.25	0.00383	0.00352	6.00E-04	5.75E-04	5.65E-04	5.79E-04	5.46E-04	1.59E-04	1.46E-04	3.05E-04	1.55E-04	1.43E-04	2.98E-04	1.53E-04	1.41E-04	2.94E-04
4687 487363.09, 3860377.25	0.00422	0.00388	6.61E-04	6.33E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.61E-04	3.36E-04	1.71E-04	1.57E-04	3.28E-04	1.69E-04	1.55E-04	3.24E-04
4688 487863.09, 3860377.25	0.00474	0.0044	7.43E-04	7.18E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	1.83E-04	3.79E-04	1.92E-04	1.78E-04	3.70E-04	1.89E-04	1.76E-04	3.65E-04
4689 488363.09, 3860377.25	0.00533	0.00503	8.35E-04	8.21E-04	7.87E-04	8.06E-04	7.60E-04	2.21E-04	2.09E-04	4.30E-04	2.16E-04	2.04E-04	4.19E-04	2.13E-04	2.01E-04	4.14E-04
4690 488863.09, 3860377.25	0.00611	0.00587	9.57E-04	9.58E-04	9.02E-04	9.24E-04	8.71E-04	2.53E-04	2.44E-04	4.97E-04	2.47E-04	2.38E-04	4.85E-04	2.44E-04	2.34E-04	4.79E-04
4691 489363.09, 3860377.25	0.00718	0.00697	1.12E-03	1.14E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	2.89E-04	5.87E-04	2.91E-04	2.82E-04	5.73E-04	2.87E-04	2.78E-04	5.65E-04
4692 489863.09, 3860377.25	0.00864	0.00845	1.35E-03	1.38E-03	1.28E-03	1.31E-03	1.23E-03	3.58E-04	3.51E-04	7.09E-04	3.50E-04	3.42E-04	6.92E-04	3.45E-04	3.38E-04	6.83E-04
4693 490363.09, 3860377.25	0.01108	0.01088	1.74E-03	1.78E-03	1.64E-03	1.67E-03	1.58E-03	4.60E-04	4.51E-04	9.11E-04	4.49E-04	4.40E-04	8.89E-04	4.43E-04	4.35E-04	8.77E-04
4694 490863.09, 3860377.25	0.01676	0.01654	2.63E-03	2.70E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	6.86E-04	1.38E-03	6.79E-04	6.70E-04	1.35E-03	6.70E-04	6.61E-04	1.33E-03
4695 491363.09, 3860377.25	0.05062	0.04943	7.93E-03	8.07E-03	7.47E-03	7.65E-03	7.22E-03	2.10E-03	2.05E-03	4.15E-03	2.05E-03	2.00E-03	4.05E-03	2.02E-03	1.97E-03	4.00E-03
4696 491863.09, 3860377.25	0.08681	0.08952	1.36E-02	1.46E-02	1.28E-02	1.31E-02	1.24E-02	3.60E-03	3.71E-03	7.32E-03	3.51E-03	3.62E-03	7.14E-03	3.47E-03	3.58E-03	7.04E-03
4697 492363.09, 3860377.25	0.03491	0.03533	5.47E-03	5.77E-03	5.15E-03	5.28E-03	4.98E-03	1.45E-03	1.47E-03	2.91E-03	1.41E-03	1.43E-03	2.84E-03	1.39E-03	1.41E-03	2.81E-03
4698 492863.09, 3860377.25	0.02346	0.02349	3.68E-03	3.83E-03	3.46E-03	3.55E-03	3.35E-03	9.73E-04	9.75E-04	1.95E-03	9.50E-04	9.51E-04	1.90E-03	9.37E-04	9.38E-04	1.88E-03
4699 493363.09, 3860377.25	0.01696	0.01689	2.66E-03	2.76E-03	2.50E-03	2.56E-03	2.42E-03	7.04E-04	7.01E-04	1.40E-03	6.87E-04	6.84E-04	1.37E-03	6.77E-04	6.75E-04	1.35E-03
4700 493863.09, 3860377.25	0.01456	0.01444	2.28E-03	2.36E-03	2.15E-03	2.20E-03	2.08E-03	6.04E-04	5.99E-04	1.20E-03	5.89E-04	5.85E-04	1.17E-03	5.82E-04	5.77E-04	1.16E-03
4701 494363.09, 3860377.25	0.01218	0.01203	1.91E-03	1.96E-03	1.80E-03	1.84E-03	1.74E-03	5.05E-04	4.99E-04	1.00E-03	4.93E-04	4.87E-04	9.80E-04	4.87E-04	4.81E-04	9.67E-04
4702 494863.09, 3860377.25	0.01122	0.01104	1.76E-03	1.80E-03	1.66E-03	1.70E-03	1.60E-03	4.65E-04	4.58E-04	9.24E-04	4.54E-04	4.47E-04	9.01E-04	4.48E-04	4.41E-04	8.89E-04
4703 495363.09, 3860377.25	0.00991	0.00974	1.55E-03	1.59E-03	1.46E-03	1.50E-03	1.41E-03	4.11E-04	4.04E-04	8.15E-04	4.01E-04	3.94E-04	7.96E-04	3.96E-04	3.89E-04	7.85E-04
4704 495863.09, 3860377.25	0.0084	0.00825	1.32E-03	1.35E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	3.42E-04	6.91E-04	3.40E-04	3.34E-04	6.74E-04	3.36E-04	3.30E-04	6.65E-04
4705 496363.09, 3860377.25	0.00732	0.00721	1.15E-03	1.18E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	2.99E-04	6.03E-04	2.96E-04	2.92E-04	5.88E-04	2.92E-04	2.88E-04	5.80E-04
4706 496863.09, 3860377.25	0.00662	0.00654	1.04E-03	1.07E-03	9.77E-04	1.00E-03	9.44E-04	2.75E-04	2.71E-04	5.46E-04	2.68E-04	2.65E-04	5.33E-04	2.64E-04	2.61E-04	5.26E-04
4707 497363.09, 3860377.25	0.0059	0.00586	9.24E-04	9.57E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	2.43E-04	4.88E-04	2.39E-04	2.37E-04	4.76E-04	2.36E-04	2.34E-04	4.70E-04
4708 497863.09, 3860377.25	0.00626	0.00619	9.81E-04	1.01E-03	9.24E-04	9.46E-04	8.93E-04	2.60E-04	2.57E-04	5.17E-04	2.53E-04	2.51E-04	5.04E-04	2.50E-04	2.47E-04	4.97E-04
4709 498363.09, 3860377.25	0.00668	0.00657	1.05E-03	1.07E-03	9.86E-04	1.01E-03	9.52E-04	2.77E-04	2.73E-04	5.50E-04	2.70E-04	2.66E-04	5.36E-04	2.67E-04	2.62E-04	5.29E-04
4710 471363.09, 3860877.25	0.00107	0.00106	1.68E-04	1.73E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.40E-05	8.84E-05	4.33E-05	4.29E-05	8.62E-05	4.27E-05	4.23E-05	8.51E-05
4711 471863.09, 3860877.25	0.00109	0.00108	1.71E-04	1.76E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.48E-05	9.00E-05	4.41E-05	4.37E-05	8.79E-05	4.35E-05	4.31E-05	8.67E-05
4712 472363.09, 3860877.25	0.00112	0.0011	1.75E-04	1.80E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.56E-05	9.21E-05	4.53E-05	4.45E-05	8.99E-05	4.47E-05	4.39E-05	8.87E-05
4713 472863.09, 3860877.25	0.00114	0.00113	1.79E-04	1.84E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.69E-05	9.42E-05	4.62E-05	4.57E-05	9.19E-05	4.55E-05	4.51E-05	9.07E-05
4714 473363.09, 3860877.25	0.00117	0.00115	1.83E-04	1.88E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.77E-05	9.63E-05	4.74E-05	4.66E-05	9.39E-05	4.67E-05	4.59E-05	9.27E-05
4715 473863.09, 3860877.25	0.00119	0.00117	1.86E-04	1.91E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.85E-05	9.79E-05	4.82E-05	4.74E-05	9.55E-05	4.75E-05	4.67E-05	9.43E-05
4716 474363.09, 3860877.25	0.00121	0.00119	1.90E-04	1.94E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.94E-05	9.96E-05	4.90E-05	4.82E-05	9.72E-05	4.83E-05	4.75E-05	9.59E-05
4717 474863.09, 3860877.25	0.00123	0.00121	1.93E-04	1.98E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.02E-05	1.01E-04	4.98E-05	4.90E-05	9.88E-05	4.91E-05	4.83E-05	9.75E-05
4718 475363.09, 3860877.25	0.00122	0.00121	1.91E-04	1.98E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.02E-05	1.01E-04	4.94E-05	4.90E-05	9.84E-05	4.87E-05	4.83E-05	9.71E-05
4719 475863.09, 3860877.25	0.00119	0.0012	1.86E-04	1.96E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.98E-05	9.92E-05	4.82E-05	4.86E-05	9.68E-05	4.75E-05	4.79E-05	9.55E-05
4720 476363.09, 3860877.25	0.00113	0.00116	1.77E-04	1.89E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.81E-05	9.50E-05	4.57E-05	4.70E-05	9.27E-05	4.51E-05	4.63E-05	9.15E-05
4721 476863.09, 3860877.25	0.00111	0.00114	1.74E-04	1.86E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.73E-05	9.33E-05	4.49E-05	4.62E-05	9.11E-05	4.43E-05	4.55E-05	8.99E-05
4722 477363.09, 3860877.25	0.00112	0.00116	1.75E-04	1.89E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.81E-05	9.46E-05	4.53E-05	4.70E-05	9.23E-05	4.47E-05	4.63E-05	9.11E-05
4723 477863.09, 3860877.25	0.00107	0.00111	1.68E-04	1.81E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.61E-05	9.04E-05	4.33E-05	4.49E-05	8.83E-05	4.27E-05	4.43E-05	8.71E-05
4724 478363.09, 3860877.25	0.00094	0.00096	1.47E-04	1.57E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.98E-05	7.88E-05	3.81E-05	3.89E-05	7.69E-05	3.76E-05	3.83E-05	7.59E-05
4725 478863.09, 3860877.25	0.00119	0.00123	1.86E-04	2.01E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	5.10E-05	1.00E-04	4.82E-05	4.98E-05	9.80E-05	4.75E-05	4.91E-05	9.67E-05
4726 479363.09, 3860877.25	0.00141	0.00141	2.21E-04	2.30E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.85E-05	1.17E-04	5.71E-05	5.71E-05	1.14E-04	5.63E-05	5.63E-05	1.13E-04
4727 479863.09, 3860877.25	0.00157	0.00154	2.46E-04	2.51E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.39E-05	1.29E-04	6.36E-05	6.23E-05	1.26E-04	6.27E-05	6.15E-05	1.24E-04
4728 480363.09, 3860877.25	0.0017	0.00164	2.66E-04	2.68E-04	2.51E-04	2.57E-04	2.42E-04	7.05E-05	6.80E-05	1.39E-04	6.88E-05	6.64E-05	1.35E-04	6.79E-05	6.55E-05	1.33E-04
4729 480863.09, 3860877.25	0.00178	0.0017	2.79E-04	2.77E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.05E-05	1.44E-04	7.21E-05	6.88E-05	1.41E-04	7.11E-05	6.79E-05	1.39E-04
4730 481363.09, 3860877.25	0.00186	0.00178	2.91E-04	2.91E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.38E-05	1.51E-04	7.53E-05	7.21E-05	1.47E-04	7.43E-05	7.11E-05	1.45E-04
4731 481863.09, 3860877.25	0.00195	0.00185	3.05E-04	3.02E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	7.68E-05	1.58E-04	7.89E-05	7.49E-05	1.54E-04	7.79E-05	7.39E-05	1.52E-04
4732 482363.09, 3860877.25	0.00204	0.00192	3.20E-04	3.13E-04	3.01E-04	3.08E-04	2.91E-04	8.46E-05	7.97E-05	1.64E-04	8.26E-05	7.77E-05	1.60E-04	8.15E-05	7.67E-05	1.58E-04
4733 482863.09, 3860877.25	0.00211	0.00199	3.31E-04	3.25E-04	3.11E-04	3.19E-04	3.01E-04	8.75E-05	8.26E-05	1.70E-04	8.54E-05	8.06E-05	1.66E-04	8.43E-05	7.95E-05	1.64E-04
4734 483363.09, 3860877.25	0.00221	0.00208	3.46E-04	3.40E-04	3.26E-04	3.34E-04	3.15E-04	9.17E-05	8.63E-05	1.78E-04	8.95E-05	8.42E-05	1.74E-04	8.83E-05	8.31E-05	1.71E-04
4735 483863.09, 3860877.25	0.00232	0.00218	3.63E-04	3.56E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.04E-05	1.87E-04	9.39E-05	8.83E-05	1.82E-04	9.27E-05	8.71E-05	1.80E-04
4736 484363.09, 3860877.25	0.00245	0.00229	3.84E-04	3.74E-04	3.62E-04	3.70E-04	3.49E-04	1.02E-04	9.50E-05	1.97E-04	9.92E-05	9.27E-05	1.92E-04	9.79E-05	9.15E-05	1.89E-04
4737 484863.09, 3860877.25	0.00255	0.00239	3.99E-04	3.90E-04	3.76E-04	3.85E-04	3.64E-04	1.06E-04	9.92E-05	2.05E-04	1.03E-04	9.68E-05	2.00E-04	1.02E-04	9.55E-05	1.97E-04
4738 485363.09, 3860877.25	0.00267	0.00252	4.18E-04	4.11E-04	3.94E-04	4.04E-04	3.81E-04	1.11E-04	1.05E-04	2.15E-04	1.08E-04	1.02E-04	2.10E-04	1.07E-04	1.01E-04	2.07E-04
4739 485863.09, 3860877.25	0.00285	0.00269	4.46E-04	4.39E-04	4.21E-04	4.31E-04	4.06E-04	1.18E-04	1.12E-04	2.30E-04	1.15E-04	1.09E-04	2.24E-04	1.14E-04	1.07E-04	2.21E-04
4740 486363.09, 3860877.25	0.00305	0.00287	4.78E-04	4.68E-04	4.50E-04	4.61E-04	4.35E-04	1.27E-04	1.19E-04	2.46E-04	1.23E-04	1.16E-04	2.40E-04	1.22E-04	1.15E-04	2.36E-04
4741 486863.09, 3860877.25	0.00329	0.00309	5.15E-04	5.04E-04	4.86E-04	4.97E-04	4.69E-04	1.36E-04	1.28E-04	2.65E-04	1.33E-04	1.25E-04	2.58E-04	1.31E-04	1.23E-04	2.55E-04
4742 487363.09, 3860877.25	0.00354	0.00332	5.55E-04	5.42E-04	5.22E-04	5.35E-04	5.05E-04	1.47E-04	1.38E-04	2.85E-04	1.43E-04	1.34E-04	2.78E-04	1.41E-04	1.33E-04	2.74E-04
4743 487863.09, 3860877.25	0.00385	0.00361	6.03E-04	5.89E-04	5.68E-04	5.82E-04	5.49E-04	1.60E-04	1.50E-04	3.09E-04	1.56E-04	1.46E-04	3.02E-04	1.54E-04	1.44E-04	2.98E-04
4744 488363.09, 3860877.25	0.00424	0.00401	6.64E-04	6.55E-04	6.26E-04	6.41E-04	6.05E-04	1.76E-04	1.66E-04	3.42E-04	1.72E-04	1.62E-04	3.34E-04	1.69E-04	1.60E-04	3.30E-04
4745 488863.09, 3860877.25	0.00462	0.00444	7.24E-04	7.25E-04	6.82E-04	6.98E-04	6.59E-04	1.92E-04	1.84E-04	3.76E-04	1.87E-04	1.80E-04	3.67E-04	1.85E-04	1.77E-04	3.62E-04
4746 489363.09, 3860877.25	0.00516	0.00504	8.08E-04	8.23E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.09E-04	4.23E-04	2.09E-04	2.04E-04	4.13E-04	2.06E-04	2.01E-04	4.07E-04
4747 489863.09, 3860877.25	0.00593	0.00583	9.29E-04	9.52E-04	8.75E-04	8.96E-04	8.46E-04	2.46E-04	2.42E-04	4.88E-04	2.40E-04	2.36E-04	4.76E-04	2.37E-04	2.33E-04	4.70E-04
4748 490363.09, 3860877.25	0.00715	0.00701	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.87E-04	2.89E-04	2.84E-04	5.73E-04	2.86E-04	2.80E-04	5.66E-04

4749 490863.09, 3860877.25	0.00917	0.00904	1.44E-03	1.48E-03	1.35E-03	1.39E-03	1.31E-03	3.80E-04	3.75E-04	7.55E-04	3.71E-04	3.66E-04	7.37E-04	3.66E-04	3.61E-04	7.27E-04
4750 491363.09, 3860877.25	0.0132	0.01304	2.07E-03	2.13E-03	1.95E-03	2.00E-03	1.88E-03	5.48E-04	5.41E-04	1.09E-03	5.34E-04	5.28E-04	1.06E-03	5.27E-04	5.21E-04	1.05E-03
4751 491863.09, 3860877.25	0.02874	0.02836	4.50E-03	4.63E-03	4.24E-03	4.34E-03	4.10E-03	1.19E-03	1.18E-03	2.37E-03	1.16E-03	1.15E-03	2.31E-03	1.15E-03	1.13E-03	2.28E-03
4752 492363.09, 3860877.25	0.15394	0.15527	2.41E-02	2.53E-02	2.27E-02	2.33E-02	2.19E-02	6.39E-03	6.44E-03	1.28E-02	6.23E-03	6.29E-03	1.25E-02	6.15E-03	6.20E-03	1.24E-02
4753 492863.09, 3860877.25	0.04528	0.04547	7.09E-03	7.42E-03	6.68E-03	6.84E-03	6.46E-03	1.88E-03	1.89E-03	3.77E-03	1.83E-03	1.84E-03	3.67E-03	1.81E-03	1.82E-03	3.63E-03
4754 493363.09, 3860877.25	0.02856	0.02864	4.47E-03	4.67E-03	4.22E-03	4.32E-03	4.07E-03	1.18E-03	1.19E-03	2.37E-03	1.16E-03	1.16E-03	2.32E-03	1.14E-03	1.14E-03	2.28E-03
4755 493863.09, 3860877.25	0.02233	0.02232	3.50E-03	3.64E-03	3.30E-03	3.38E-03	3.18E-03	9.26E-04	9.26E-04	1.85E-03	9.04E-04	9.04E-04	1.81E-03	8.92E-04	8.92E-04	1.78E-03
4756 494363.09, 3860877.25	0.0188	0.01873	2.95E-03	3.06E-03	2.77E-03	2.84E-03	2.68E-03	7.80E-04	7.77E-04	1.56E-03	7.61E-04	7.58E-04	1.52E-03	7.51E-04	7.48E-04	1.50E-03
4757 494863.09, 3860877.25	0.01611	0.01602	2.52E-03	2.61E-03	2.38E-03	2.44E-03	2.30E-03	6.68E-04	6.65E-04	1.33E-03	6.52E-04	6.49E-04	1.30E-03	6.44E-04	6.40E-04	1.28E-03
4758 495363.09, 3860877.25	0.01408	0.01398	2.21E-03	2.28E-03	2.08E-03	2.13E-03	2.01E-03	5.84E-04	5.80E-04	1.16E-03	5.70E-04	5.66E-04	1.14E-03	5.62E-04	5.58E-04	1.12E-03
4759 495863.09, 3860877.25	0.01276	0.01265	2.00E-03	2.06E-03	1.88E-03	1.93E-03	1.82E-03	5.29E-04	5.25E-04	1.05E-03	5.17E-04	5.12E-04	1.03E-03	5.10E-04	5.05E-04	1.02E-03
4760 496363.09, 3860877.25	0.01092	0.0108	1.71E-03	1.76E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	4.48E-04	9.01E-04	4.42E-04	4.37E-04	8.79E-04	4.36E-04	4.31E-04	8.68E-04
4761 496863.09, 3860877.25	0.0089	0.0088	1.39E-03	1.44E-03	1.31E-03	1.35E-03	1.27E-03	3.69E-04	3.65E-04	7.34E-04	3.60E-04	3.56E-04	7.17E-04	3.56E-04	3.52E-04	7.07E-04
4762 497363.09, 3860877.25	0.00835	0.00825	1.31E-03	1.35E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.42E-04	6.89E-04	3.38E-04	3.34E-04	6.72E-04	3.34E-04	3.30E-04	6.63E-04
4763 497863.09, 3860877.25	0.00765	0.00756	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.09E-03	3.17E-04	3.14E-04	6.31E-04	3.10E-04	3.06E-04	6.16E-04	3.06E-04	3.02E-04	6.08E-04
4764 498363.09, 3860877.25	0.00773	0.00764	1.21E-03	1.25E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.17E-04	6.38E-04	3.13E-04	3.09E-04	6.22E-04	3.09E-04	3.05E-04	6.14E-04
4765 471363.09, 3861377.25	0.00105	0.00104	1.64E-04	1.70E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.31E-05	8.67E-05	4.25E-05	4.21E-05	8.46E-05	4.19E-05	4.15E-05	8.35E-05
4766 471863.09, 3861377.25	0.00107	0.00106	1.68E-04	1.73E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.40E-05	8.84E-05	4.33E-05	4.29E-05	8.62E-05	4.27E-05	4.23E-05	8.51E-05
4767 472363.09, 3861377.25	0.00109	0.00108	1.71E-04	1.76E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.48E-05	9.00E-05	4.41E-05	4.37E-05	8.79E-05	4.35E-05	4.31E-05	8.67E-05
4768 472863.09, 3861377.25	0.00112	0.0011	1.75E-04	1.80E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.56E-05	9.21E-05	4.53E-05	4.45E-05	8.99E-05	4.47E-05	4.39E-05	8.87E-05
4769 473363.09, 3861377.25	0.00114	0.00112	1.79E-04	1.83E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.65E-05	9.38E-05	4.62E-05	4.53E-05	9.15E-05	4.55E-05	4.47E-05	9.03E-05
4770 473863.09, 3861377.25	0.00116	0.00114	1.82E-04	1.86E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.73E-05	9.54E-05	4.70E-05	4.62E-05	9.31E-05	4.63E-05	4.55E-05	9.19E-05
4771 474363.09, 3861377.25	0.00118	0.00116	1.85E-04	1.89E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.81E-05	9.71E-05	4.78E-05	4.70E-05	9.47E-05	4.71E-05	4.63E-05	9.35E-05
4772 474863.09, 3861377.25	0.0012	0.00118	1.88E-04	1.93E-04	1.77E-04	1.81E-04	1.71E-04	4.98E-05	4.90E-05	9.87E-05	4.86E-05	4.78E-05	9.64E-05	4.79E-05	4.71E-05	9.51E-05
4773 475363.09, 3861377.25	0.00123	0.0012	1.93E-04	1.96E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.98E-05	1.01E-04	4.98E-05	4.86E-05	9.84E-05	4.91E-05	4.79E-05	9.71E-05
4774 475863.09, 3861377.25	0.00124	0.00122	1.94E-04	1.99E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.06E-05	1.02E-04	5.02E-05	4.94E-05	9.96E-05	4.95E-05	4.87E-05	9.83E-05
4775 476363.09, 3861377.25	0.00123	0.00122	1.93E-04	1.99E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.06E-05	1.02E-04	4.98E-05	4.94E-05	9.92E-05	4.91E-05	4.87E-05	9.79E-05
4776 476863.09, 3861377.25	0.00122	0.00122	1.91E-04	1.99E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.06E-05	1.01E-04	4.94E-05	4.94E-05	9.88E-05	4.87E-05	4.87E-05	9.75E-05
4777 477363.09, 3861377.25	0.00122	0.00123	1.91E-04	2.01E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.10E-05	1.02E-04	4.94E-05	4.98E-05	9.92E-05	4.87E-05	4.91E-05	9.79E-05
4778 477863.09, 3861377.25	0.00113	0.00116	1.77E-04	1.89E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.81E-05	9.50E-05	4.57E-05	4.70E-05	9.27E-05	4.51E-05	4.63E-05	9.15E-05
4779 478363.09, 3861377.25	0.00095	0.00098	1.49E-04	1.60E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	4.07E-05	8.01E-05	3.85E-05	3.97E-05	7.81E-05	3.79E-05	3.91E-05	7.71E-05
4780 478863.09, 3861377.25	0.00102	0.00106	1.60E-04	1.73E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.40E-05	8.63E-05	4.13E-05	4.29E-05	8.42E-05	4.07E-05	4.23E-05	8.31E-05
4781 479363.09, 3861377.25	0.00131	0.00133	2.05E-04	2.17E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.52E-05	1.10E-04	5.30E-05	5.38E-05	1.07E-04	5.23E-05	5.31E-05	1.05E-04
4782 479863.09, 3861377.25	0.00148	0.00146	2.32E-04	2.38E-04	2.18E-04	2.24E-04	2.11E-04	6.14E-05	6.06E-05	1.22E-04	5.99E-05	5.91E-05	1.19E-04	5.91E-05	5.83E-05	1.17E-04
4783 480363.09, 3861377.25	0.00161	0.00156	2.52E-04	2.55E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.47E-05	1.32E-04	6.52E-05	6.32E-05	1.28E-04	6.43E-05	6.23E-05	1.27E-04
4784 480863.09, 3861377.25	0.00169	0.00162	2.65E-04	2.64E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	6.72E-05	1.37E-04	6.84E-05	6.56E-05	1.34E-04	6.75E-05	6.47E-05	1.32E-04
4785 481363.09, 3861377.25	0.00176	0.00168	2.76E-04	2.74E-04	2.60E-04	2.66E-04	2.51E-04	7.30E-05	6.97E-05	1.43E-04	7.13E-05	6.80E-05	1.39E-04	7.03E-05	6.71E-05	1.37E-04
4786 481863.09, 3861377.25	0.00184	0.00174	2.88E-04	2.84E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.22E-05	1.49E-04	7.45E-05	7.04E-05	1.45E-04	7.35E-05	6.95E-05	1.43E-04
4787 482363.09, 3861377.25	0.00191	0.0018	2.99E-04	2.94E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	7.47E-05	1.54E-04	7.73E-05	7.29E-05	1.50E-04	7.63E-05	7.19E-05	1.48E-04
4788 482863.09, 3861377.25	0.00196	0.00186	3.07E-04	3.04E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	7.72E-05	1.58E-04	7.93E-05	7.53E-05	1.55E-04	7.83E-05	7.43E-05	1.53E-04
4789 483363.09, 3861377.25	0.00204	0.00193	3.20E-04	3.15E-04	3.01E-04	3.08E-04	2.91E-04	8.46E-05	8.01E-05	1.65E-04	8.26E-05	7.81E-05	1.61E-04	8.15E-05	7.71E-05	1.59E-04
4790 483863.09, 3861377.25	0.00212	0.00201	3.32E-04	3.28E-04	3.13E-04	3.20E-04	3.02E-04	8.80E-05	8.34E-05	1.71E-04	8.58E-05	8.14E-05	1.67E-04	8.47E-05	8.03E-05	1.65E-04
4791 484363.09, 3861377.25	0.00221	0.0021	3.46E-04	3.43E-04	3.26E-04	3.34E-04	3.15E-04	9.17E-05	8.71E-05	1.79E-04	8.95E-05	8.50E-05	1.74E-04	8.83E-05	8.39E-05	1.72E-04
4792 484863.09, 3861377.25	0.0023	0.00219	3.60E-04	3.57E-04	3.39E-04	3.48E-04	3.28E-04	9.54E-05	9.09E-05	1.86E-04	9.31E-05	8.87E-05	1.82E-04	9.19E-05	8.75E-05	1.79E-04
4793 485363.09, 3861377.25	0.00238	0.00227	3.73E-04	3.71E-04	3.51E-04	3.60E-04	3.39E-04	9.87E-05	9.42E-05	1.93E-04	9.64E-05	9.19E-05	1.88E-04	9.51E-05	9.07E-05	1.86E-04
4794 485863.09, 3861377.25	0.00249	0.00239	3.90E-04	3.90E-04	3.67E-04	3.76E-04	3.55E-04	1.03E-04	9.92E-05	2.02E-04	1.01E-04	9.68E-05	1.98E-04	9.95E-05	9.55E-05	1.95E-04
4795 486363.09, 3861377.25	0.00265	0.00253	4.15E-04	4.13E-04	3.91E-04	4.01E-04	3.78E-04	1.10E-04	1.05E-04	2.15E-04	1.07E-04	1.02E-04	2.10E-04	1.06E-04	1.01E-04	2.07E-04
4796 486863.09, 3861377.25	0.00284	0.0027	4.45E-04	4.41E-04	4.19E-04	4.29E-04	4.05E-04	1.18E-04	1.12E-04	2.30E-04	1.15E-04	1.09E-04	2.24E-04	1.13E-04	1.08E-04	2.21E-04
4797 487363.09, 3861377.25	0.00304	0.00288	4.76E-04	4.70E-04	4.49E-04	4.60E-04	4.33E-04	1.26E-04	1.19E-04	2.46E-04	1.23E-04	1.17E-04	2.40E-04	1.21E-04	1.15E-04	2.36E-04
4798 487863.09, 3861377.25	0.00326	0.00309	5.11E-04	5.04E-04	4.81E-04	4.93E-04	4.65E-04	1.35E-04	1.28E-04	2.63E-04	1.32E-04	1.25E-04	2.57E-04	1.30E-04	1.23E-04	2.54E-04
4799 488363.09, 3861377.25	0.00352	0.00333	5.51E-04	5.44E-04	5.20E-04	5.32E-04	5.02E-04	1.46E-04	1.38E-04	2.84E-04	1.43E-04	1.35E-04	2.77E-04	1.41E-04	1.33E-04	2.74E-04
4800 488863.09, 3861377.25	0.00381	0.00365	5.97E-04	5.96E-04	5.62E-04	5.76E-04	5.43E-04	1.58E-04	1.51E-04	3.09E-04	1.54E-04	1.48E-04	3.02E-04	1.52E-04	1.46E-04	2.98E-04
4801 489363.09, 3861377.25	0.00412	0.00401	6.45E-04	6.55E-04	6.08E-04	6.23E-04	5.87E-04	1.71E-04	1.66E-04	3.37E-04	1.67E-04	1.62E-04	3.29E-04	1.65E-04	1.60E-04	3.25E-04
4802 489863.09, 3861377.25	0.00455	0.0045	7.13E-04	7.35E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.87E-04	3.75E-04	1.84E-04	1.82E-04	3.66E-04	1.82E-04	1.80E-04	3.62E-04
4803 490363.09, 3861377.25	0.0052	0.00514	8.15E-04	8.39E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.13E-04	4.29E-04	2.11E-04	2.08E-04	4.19E-04	2.08E-04	2.05E-04	4.13E-04
4804 490863.09, 3861377.25	0.00615	0.00604	9.63E-04	9.86E-04	9.08E-04	9.30E-04	8.77E-04	2.55E-04	2.51E-04	5.06E-04	2.49E-04	2.45E-04	4.94E-04	2.46E-04	2.41E-04	4.87E-04
4805 491363.09, 3861377.25	0.00764	0.00756	1.20E-03	1.23E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.14E-04	6.31E-04	3.09E-04	3.06E-04	6.15E-04	3.05E-04	3.02E-04	6.07E-04
4806 491863.09, 3861377.25	0.01054	0.0105	1.65E-03	1.71E-03	1.56E-03	1.59E-03	1.50E-03	4.37E-04	4.36E-04	8.73E-04	4.27E-04	4.25E-04	8.52E-04	4.21E-04	4.19E-04	8.40E-04
4807 492363.09, 3861377.25	0.01854	0.01843	2.90E-03	3.01E-03	2.74E-03	2.80E-03	2.64E-03	7.69E-04	7.65E-04	1.53E-03	7.51E-04	7.46E-04	1.50E-03	7.41E-04	7.36E-04	1.48E-03
4808 492863.09, 3861377.25	0.06442	0.06393	1.01E-02	1.04E-02	9.51E-03	9.74E-03	9.19E-03	2.67E-03	2.65E-03	5.32E-03	2.61E-03	2.59E-03	5.20E-03	2.57E-03	2.55E-03	5.13E-03
4809 493363.09, 3861377.25	0.28892	0.27311	4.53E-02	4.46E-02	4.26E-02	4.37E-02	4.12E-02	1.20E-02	1.13E-02	2.33E-02	1.17E-02	1.11E-02	2.28E-02	1.15E-02	1.09E-02	2.25E-02
4810 493863.09, 3861377.25	0.08613	0.08487	1.35E-02	1.39E-02	1.27E-02	1.30E-02	1.23E-02	3.57E-03	3.52E-03	7.09E-03	3.49E-03	3.44E-03	6.92E-03	3.44E-03	3.39E-03	6.83E-03
4811 494363.09, 3861377.25	0.04979	0.04958	7.80E-03	8.09E-03	7.35E-03	7.53E-03	7.10E-03	2.07E-03	2.06E-03	4.12E-03	2.02E-03	2.01E-03	4.02E-03	1.99E-03	1.98E-03	3.97E-03
4812 494863.09, 3861377.25	0.03496	0.03492	5.48E-03	5.70E-03	5.16E-03	5.28E-03	4.98E-03	1.45E-03	1.45E-03	2.90E-03	1.42E-03	1.41E-03	2.83E-03	1.40E-03	1.39E-03	2.79E-03
4813 495363.09, 3861377.25	0.02733	0.02732	4.28E-03	4.46E-03	4.03E-03	4.13E-03	3.90E-03	1.13E-03	1.13E-03	2.27E-03	1.11E-03	1.11E-03	2.21E-03	1.09E-03	1.09E-03	2.18E-03
4814 495863.09, 3861377.25	0.02279	0.02278	3.57E-03	3.72E-03	3.36E-03	3.44E-03	3.25E-03	9.46E-04	9.45E-04	1.89E-03	9.23E-04	9.22E-04	1.84E-03	9.10E-04	9.10E-04	1.82E-03

4815 496363.09, 3861377.25	0.01889	0.01887	2.96E-03	3.08E-03	2.79E-03	2.86E-03	2.69E-03	7.84E-04	7.83E-04	1.57E-03	7.65E-04	7.64E-04	1.53E-03	7.55E-04	7.54E-04	1.51E-03
4816 496863.09, 3861377.25	0.01479	0.01475	2.32E-03	2.41E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	6.12E-04	1.23E-03	5.99E-04	5.97E-04	1.20E-03	5.91E-04	5.89E-04	1.18E-03
4817 497363.09, 3861377.25	0.01297	0.01291	2.03E-03	2.11E-03	1.91E-03	1.96E-03	1.85E-03	5.38E-04	5.36E-04	1.07E-03	5.25E-04	5.23E-04	1.05E-03	5.18E-04	5.16E-04	1.03E-03
4818 497863.09, 3861377.25	0.01153	0.01147	1.81E-03	1.87E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.76E-04	9.54E-04	4.67E-04	4.64E-04	9.31E-04	4.61E-04	4.58E-04	9.19E-04
4819 498363.09, 3861377.25	0.01032	0.01026	1.62E-03	1.67E-03	1.52E-03	1.56E-03	1.47E-03	4.28E-04	4.26E-04	8.54E-04	4.18E-04	4.15E-04	8.33E-04	4.12E-04	4.10E-04	8.22E-04
4820 471363.09, 3861877.25	0.00102	0.00101	1.60E-04	1.65E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.19E-05	8.42E-05	4.13E-05	4.09E-05	8.22E-05	4.07E-05	4.03E-05	8.11E-05
4821 471863.09, 3861877.25	0.00104	0.00102	1.63E-04	1.66E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.23E-05	8.55E-05	4.21E-05	4.13E-05	8.34E-05	4.15E-05	4.07E-05	8.23E-05
4822 472363.09, 3861877.25	0.00106	0.00104	1.66E-04	1.70E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.31E-05	8.71E-05	4.29E-05	4.21E-05	8.50E-05	4.23E-05	4.15E-05	8.39E-05
4823 472863.09, 3861877.25	0.00109	0.00106	1.71E-04	1.73E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.40E-05	8.92E-05	4.41E-05	4.29E-05	8.70E-05	4.35E-05	4.23E-05	8.59E-05
4824 473363.09, 3861877.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
4825 473863.09, 3861877.25	0.00113	0.0011	1.77E-04	1.80E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.56E-05	9.25E-05	4.57E-05	4.45E-05	9.03E-05	4.51E-05	4.39E-05	8.91E-05
4826 474363.09, 3861877.25	0.00115	0.00112	1.80E-04	1.83E-04	1.70E-04	1.74E-04	1.64E-04	4.77E-05	4.65E-05	9.42E-05	4.66E-05	4.53E-05	9.19E-05	4.59E-05	4.47E-05	9.07E-05
4827 474863.09, 3861877.25	0.00117	0.00114	1.83E-04	1.86E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.73E-05	9.58E-05	4.74E-05	4.62E-05	9.35E-05	4.67E-05	4.55E-05	9.23E-05
4828 475363.09, 3861877.25	0.00119	0.00116	1.86E-04	1.89E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.81E-05	9.75E-05	4.82E-05	4.70E-05	9.51E-05	4.75E-05	4.63E-05	9.39E-05
4829 475863.09, 3861877.25	0.00122	0.00119	1.91E-04	1.94E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	4.94E-05	1.00E-04	4.94E-05	4.82E-05	9.76E-05	4.87E-05	4.75E-05	9.63E-05
4830 476363.09, 3861877.25	0.00124	0.00121	1.94E-04	1.98E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.02E-05	1.02E-04	5.02E-05	4.90E-05	9.92E-05	4.95E-05	4.83E-05	9.79E-05
4831 476863.09, 3861877.25	0.00125	0.00123	1.96E-04	2.01E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.10E-05	1.03E-04	5.06E-05	4.98E-05	1.00E-04	4.99E-05	4.91E-05	9.91E-05
4832 477363.09, 3861877.25	0.00125	0.00123	1.96E-04	2.01E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.10E-05	1.03E-04	5.06E-05	4.98E-05	1.00E-04	4.99E-05	4.91E-05	9.91E-05
4833 477863.09, 3861877.25	0.00111	0.00113	1.74E-04	1.84E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.69E-05	9.29E-05	4.49E-05	4.57E-05	9.07E-05	4.43E-05	4.51E-05	8.95E-05
4834 478363.09, 3861877.25	0.00088	0.0009	1.38E-04	1.47E-04	1.30E-04	1.33E-04	1.25E-04	3.65E-05	3.73E-05	7.38E-05	3.56E-05	3.64E-05	7.21E-05	3.52E-05	3.60E-05	7.11E-05
4835 478863.09, 3861877.25	0.00103	0.00107	1.61E-04	1.75E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.44E-05	8.71E-05	4.17E-05	4.33E-05	8.50E-05	4.11E-05	4.27E-05	8.39E-05
4836 479363.09, 3861877.25	0.001	0.00105	1.57E-04	1.71E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.36E-05	8.51E-05	4.05E-05	4.25E-05	8.30E-05	3.99E-05	4.19E-05	8.19E-05
4837 479863.09, 3861877.25	0.00141	0.00139	2.21E-04	2.27E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.77E-05	1.16E-04	5.71E-05	5.63E-05	1.13E-04	5.63E-05	5.55E-05	1.12E-04
4838 480363.09, 3861877.25	0.00154	0.00149	2.41E-04	2.43E-04	2.27E-04	2.33E-04	2.20E-04	6.39E-05	6.18E-05	1.26E-04	6.23E-05	6.03E-05	1.23E-04	6.15E-05	5.95E-05	1.21E-04
4839 480863.09, 3861877.25	0.0016	0.00154	2.51E-04	2.51E-04	2.36E-04	2.42E-04	2.28E-04	6.64E-05	6.39E-05	1.30E-04	6.48E-05	6.23E-05	1.27E-04	6.39E-05	6.15E-05	1.25E-04
4840 481363.09, 3861877.25	0.00166	0.00159	2.60E-04	2.60E-04	2.45E-04	2.51E-04	2.37E-04	6.89E-05	6.60E-05	1.35E-04	6.72E-05	6.44E-05	1.32E-04	6.63E-05	6.35E-05	1.30E-04
4841 481863.09, 3861877.25	0.00173	0.00165	2.71E-04	2.69E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	6.85E-05	1.40E-04	7.00E-05	6.68E-05	1.37E-04	6.91E-05	6.59E-05	1.35E-04
4842 482363.09, 3861877.25	0.00179	0.0017	2.80E-04	2.77E-04	2.64E-04	2.71E-04	2.55E-04	7.43E-05	7.05E-05	1.45E-04	7.25E-05	6.88E-05	1.41E-04	7.15E-05	6.79E-05	1.39E-04
4843 482863.09, 3861877.25	0.00183	0.00175	2.87E-04	2.86E-04	2.70E-04	2.77E-04	2.61E-04	7.59E-05	7.26E-05	1.49E-04	7.41E-05	7.08E-05	1.45E-04	7.31E-05	6.99E-05	1.43E-04
4844 483363.09, 3861877.25	0.0019	0.00181	2.98E-04	2.95E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	7.51E-05	1.54E-04	7.69E-05	7.33E-05	1.50E-04	7.59E-05	7.23E-05	1.48E-04
4845 483863.09, 3861877.25	0.00196	0.00187	3.07E-04	3.05E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	7.76E-05	1.59E-04	7.93E-05	7.57E-05	1.55E-04	7.83E-05	7.47E-05	1.53E-04
4846 484363.09, 3861877.25	0.00204	0.00195	3.20E-04	3.18E-04	3.01E-04	3.08E-04	2.91E-04	8.46E-05	8.09E-05	1.66E-04	8.26E-05	7.89E-05	1.62E-04	8.15E-05	7.79E-05	1.59E-04
4847 484863.09, 3861877.25	0.00212	0.00203	3.32E-04	3.31E-04	3.13E-04	3.20E-04	3.02E-04	8.80E-05	8.42E-05	1.72E-04	8.58E-05	8.22E-05	1.68E-04	8.47E-05	8.11E-05	1.66E-04
4848 485363.09, 3861877.25	0.00218	0.0021	3.41E-04	3.43E-04	3.22E-04	3.30E-04	3.11E-04	9.04E-05	8.71E-05	1.78E-04	8.83E-05	8.50E-05	1.73E-04	8.71E-05	8.39E-05	1.71E-04
4849 485863.09, 3861877.25	0.00225	0.00218	3.52E-04	3.56E-04	3.32E-04	3.40E-04	3.21E-04	9.33E-05	9.04E-05	1.84E-04	9.11E-05	8.83E-05	1.79E-04	8.99E-05	8.71E-05	1.77E-04
4850 486363.09, 3861877.25	0.00237	0.00229	3.71E-04	3.74E-04	3.50E-04	3.58E-04	3.38E-04	9.83E-05	9.50E-05	1.93E-04	9.59E-05	9.27E-05	1.89E-04	9.47E-05	9.15E-05	1.86E-04
4851 486863.09, 3861877.25	0.00252	0.00242	3.95E-04	3.95E-04	3.72E-04	3.81E-04	3.59E-04	1.05E-04	1.00E-04	2.05E-04	1.02E-04	9.80E-05	2.00E-04	1.01E-04	9.67E-05	1.97E-04
4852 487363.09, 3861877.25	0.00268	0.00256	4.20E-04	4.18E-04	3.96E-04	4.05E-04	3.82E-04	1.11E-04	1.06E-04	2.17E-04	1.08E-04	1.04E-04	2.12E-04	1.07E-04	1.02E-04	2.09E-04
4853 487863.09, 3861877.25	0.00284	0.00271	4.45E-04	4.42E-04	4.19E-04	4.29E-04	4.05E-04	1.18E-04	1.12E-04	2.30E-04	1.15E-04	1.10E-04	2.25E-04	1.13E-04	1.08E-04	2.22E-04
4854 488363.09, 3861877.25	0.00303	0.00288	4.75E-04	4.70E-04	4.47E-04	4.58E-04	4.32E-04	1.26E-04	1.19E-04	2.45E-04	1.23E-04	1.17E-04	2.39E-04	1.21E-04	1.15E-04	2.36E-04
4855 488863.09, 3861877.25	0.00325	0.00311	5.09E-04	5.08E-04	4.80E-04	4.91E-04	4.63E-04	1.35E-04	1.29E-04	2.64E-04	1.32E-04	1.26E-04	2.57E-04	1.30E-04	1.24E-04	2.54E-04
4856 489363.09, 3861877.25	0.00348	0.00337	5.45E-04	5.50E-04	5.14E-04	5.26E-04	4.96E-04	1.44E-04	1.40E-04	2.84E-04	1.41E-04	1.36E-04	2.77E-04	1.39E-04	1.35E-04	2.74E-04
4857 489863.09, 3861877.25	0.00376	0.0037	5.89E-04	6.04E-04	5.55E-04	5.68E-04	5.36E-04	1.56E-04	1.54E-04	3.09E-04	1.52E-04	1.50E-04	3.02E-04	1.50E-04	1.48E-04	2.98E-04
4858 490363.09, 3861877.25	0.00413	0.00412	6.47E-04	6.73E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.71E-04	3.42E-04	1.67E-04	1.67E-04	3.34E-04	1.65E-04	1.65E-04	3.30E-04
4859 490863.09, 3861877.25	0.00468	0.00464	7.33E-04	7.57E-04	6.91E-04	7.07E-04	6.67E-04	1.94E-04	1.93E-04	3.87E-04	1.89E-04	1.88E-04	3.77E-04	1.87E-04	1.85E-04	3.72E-04
4860 491363.09, 3861877.25	0.00543	0.00534	8.51E-04	8.72E-04	8.01E-04	8.21E-04	7.74E-04	2.25E-04	2.22E-04	4.47E-04	2.20E-04	2.16E-04	4.36E-04	2.17E-04	2.13E-04	4.30E-04
4861 491863.09, 3861877.25	0.00646	0.0064	1.01E-03	1.04E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.66E-04	5.34E-04	2.62E-04	2.59E-04	5.21E-04	2.58E-04	2.56E-04	5.14E-04
4862 492363.09, 3861877.25	0.00799	0.00799	1.25E-03	1.30E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.31E-04	6.63E-04	3.23E-04	3.23E-04	6.47E-04	3.19E-04	3.19E-04	6.38E-04
4863 492863.09, 3861877.25	0.01034	0.01033	1.62E-03	1.69E-03	1.53E-03	1.56E-03	1.47E-03	4.29E-04	4.29E-04	8.58E-04	4.19E-04	4.18E-04	8.37E-04	4.13E-04	4.13E-04	8.26E-04
4864 493363.09, 3861877.25	0.01397	0.01399	2.19E-03	2.28E-03	2.06E-03	2.11E-03	1.99E-03	5.80E-04	5.80E-04	1.16E-03	5.66E-04	5.66E-04	1.13E-03	5.58E-04	5.59E-04	1.12E-03
4865 493863.09, 3861877.25	0.02059	0.0208	3.23E-03	3.40E-03	3.04E-03	3.11E-03	2.94E-03	8.54E-04	8.63E-04	1.72E-03	8.34E-04	8.42E-04	1.68E-03	8.23E-04	8.31E-04	1.65E-03
4866 494363.09, 3861877.25	0.03697	0.03771	5.79E-03	6.16E-03	5.46E-03	5.59E-03	5.27E-03	1.53E-03	1.56E-03	3.10E-03	1.50E-03	1.53E-03	3.02E-03	1.48E-03	1.51E-03	2.98E-03
4867 494863.09, 3861877.25	0.15099	0.1581	2.37E-02	2.58E-02	2.23E-02	2.28E-02	2.15E-02	6.26E-03	6.56E-03	1.28E-02	6.11E-03	6.40E-03	1.25E-02	6.03E-03	6.32E-03	1.23E-02
4868 495363.09, 3861877.25	0.17703	0.17586	2.77E-02	2.87E-02	2.61E-02	2.68E-02	2.52E-02	7.34E-03	7.30E-03	1.46E-02	7.17E-03	7.12E-03	1.43E-02	7.07E-03	7.03E-03	1.41E-02
4869 495863.09, 3861877.25	0.07279	0.07301	1.14E-02	1.19E-02	1.07E-02	1.10E-02	1.04E-02	3.02E-03	3.03E-03	6.05E-03	2.95E-03	2.96E-03	5.90E-03	2.91E-03	2.92E-03	5.82E-03
4870 496363.09, 3861877.25	0.04573	0.04595	7.16E-03	7.50E-03	6.75E-03	6.91E-03	6.52E-03	1.90E-03	1.91E-03	3.80E-03	1.85E-03	1.86E-03	3.71E-03	1.83E-03	1.84E-03	3.66E-03
4871 496863.09, 3861877.25	0.02371	0.0238	3.71E-03	3.88E-03	3.50E-03	3.58E-03	3.38E-03	9.84E-04	9.87E-04	1.97E-03	9.60E-04	9.64E-04	1.92E-03	9.47E-04	9.51E-04	1.90E-03
4872 497363.09, 3861877.25	0.0249	0.02498	3.90E-03	4.08E-03	3.67E-03	3.76E-03	3.55E-03	1.03E-03	1.04E-03	2.07E-03	1.01E-03	1.01E-03	2.02E-03	9.95E-04	9.98E-04	1.99E-03
4873 497863.09, 3861877.25	0.02222	0.02226	3.48E-03	3.63E-03	3.28E-03	3.36E-03	3.17E-03	9.22E-04	9.24E-04	1.85E-03	9.00E-04	9.01E-04	1.80E-03	8.88E-04	8.89E-04	1.78E-03
4874 498363.09, 3861877.25	0.01933	0.01935	3.03E-03	3.16E-03	2.85E-03	2.92E-03	2.76E-03	8.02E-04	8.03E-04	1.60E-03	7.83E-04	7.83E-04	1.57E-03	7.72E-04	7.73E-04	1.55E-03
4875 471363.09, 3862377.25	0.001	0.00098	1.57E-04	1.60E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.07E-05	8.21E-05	4.05E-05	3.97E-05	8.02E-05	3.99E-05	3.91E-05	7.91E-05
4876 471863.09, 3862377.25	0.00101	0.001	1.58E-04	1.63E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.15E-05	8.34E-05	4.09E-05	4.05E-05	8.14E-05	4.03E-05	3.99E-05	8.03E-05
4877 472363.09, 3862377.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
4878 472863.09, 3862377.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
4879 473363.09, 3862377.25	0.00108	0.00105	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.36E-05	8.84E-05	4.37E-05	4.25E-05	8.62E-05	4.31E-05	4.19E-05	8.51E-05
4880 473863.09, 3862377.25	0.00109	0.00107	1.71E-04	1.75E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.44E-05	8.96E-05	4.41E-05	4.33E-05	8.74E-05	4.35E-05	4.27E-05	8.63E-05

4881 474363.09, 3862377.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
4882 474863.09, 3862377.25	0.00113	0.0011	1.77E-04	1.80E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.56E-05	9.25E-05	4.57E-05	4.45E-05	9.03E-05	4.51E-05	4.39E-05	8.91E-05
4883 475363.09, 3862377.25	0.00116	0.00113	1.82E-04	1.84E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.69E-05	9.50E-05	4.70E-05	4.57E-05	9.27E-05	4.63E-05	4.51E-05	9.15E-05
4884 475863.09, 3862377.25	0.00119	0.00115	1.86E-04	1.88E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.77E-05	9.71E-05	4.82E-05	4.66E-05	9.47E-05	4.75E-05	4.59E-05	9.35E-05
4885 476363.09, 3862377.25	0.00121	0.00118	1.90E-04	1.93E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.90E-05	9.92E-05	4.90E-05	4.78E-05	9.68E-05	4.83E-05	4.71E-05	9.55E-05
4886 476863.09, 3862377.25	0.00123	0.0012	1.93E-04	1.96E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.98E-05	1.01E-04	4.98E-05	4.86E-05	9.84E-05	4.91E-05	4.79E-05	9.71E-05
4887 477363.09, 3862377.25	0.00124	0.00121	1.94E-04	1.98E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.02E-05	1.02E-04	5.02E-05	4.90E-05	9.92E-05	4.95E-05	4.83E-05	9.79E-05
4888 477863.09, 3862377.25	0.00114	0.00114	1.79E-04	1.86E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.73E-05	9.46E-05	4.62E-05	4.62E-05	9.23E-05	4.55E-05	4.55E-05	9.11E-05
4889 478363.09, 3862377.25	0.00103	0.00106	1.61E-04	1.73E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.40E-05	8.67E-05	4.17E-05	4.29E-05	8.46E-05	4.11E-05	4.23E-05	8.35E-05
4890 478863.09, 3862377.25	0.00105	0.00108	1.64E-04	1.76E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.48E-05	8.84E-05	4.25E-05	4.37E-05	8.62E-05	4.19E-05	4.31E-05	8.51E-05
4891 479363.09, 3862377.25	0.00114	0.00116	1.79E-04	1.89E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.81E-05	9.54E-05	4.62E-05	4.70E-05	9.31E-05	4.55E-05	4.63E-05	9.19E-05
4892 479863.09, 3862377.25	0.00137	0.00134	2.15E-04	2.19E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.56E-05	1.12E-04	5.55E-05	5.42E-05	1.10E-04	5.47E-05	5.35E-05	1.08E-04
4893 480363.09, 3862377.25	0.00147	0.00142	2.30E-04	2.32E-04	2.17E-04	2.22E-04	2.10E-04	6.10E-05	5.89E-05	1.20E-04	5.95E-05	5.75E-05	1.17E-04	5.87E-05	5.67E-05	1.15E-04
4894 480863.09, 3862377.25	0.00152	0.00146	2.38E-04	2.38E-04	2.24E-04	2.30E-04	2.17E-04	6.31E-05	6.06E-05	1.24E-04	6.15E-05	5.91E-05	1.21E-04	6.07E-05	5.83E-05	1.19E-04
4895 481363.09, 3862377.25	0.00157	0.00151	2.46E-04	2.46E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.26E-05	1.28E-04	6.36E-05	6.11E-05	1.25E-04	6.27E-05	6.03E-05	1.23E-04
4896 481863.09, 3862377.25	0.00164	0.00156	2.57E-04	2.55E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.47E-05	1.33E-04	6.64E-05	6.32E-05	1.30E-04	6.55E-05	6.23E-05	1.28E-04
4897 482363.09, 3862377.25	0.00169	0.00161	2.65E-04	2.63E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	6.68E-05	1.37E-04	6.84E-05	6.52E-05	1.34E-04	6.75E-05	6.43E-05	1.32E-04
4898 482863.09, 3862377.25	0.00173	0.00165	2.71E-04	2.69E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	6.85E-05	1.40E-04	7.00E-05	6.68E-05	1.37E-04	6.91E-05	6.59E-05	1.35E-04
4899 483363.09, 3862377.25	0.00178	0.0017	2.79E-04	2.77E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.05E-05	1.44E-04	7.21E-05	6.88E-05	1.41E-04	7.11E-05	6.79E-05	1.39E-04
4900 483863.09, 3862377.25	0.00183	0.00176	2.87E-04	2.87E-04	2.70E-04	2.77E-04	2.61E-04	7.59E-05	7.30E-05	1.49E-04	7.41E-05	7.13E-05	1.45E-04	7.31E-05	7.03E-05	1.43E-04
4901 484363.09, 3862377.25	0.00189	0.00183	2.96E-04	2.99E-04	2.79E-04	2.86E-04	2.69E-04	7.84E-05	7.59E-05	1.54E-04	7.65E-05	7.41E-05	1.51E-04	7.55E-05	7.31E-05	1.49E-04
4902 484863.09, 3862377.25	0.00197	0.0019	3.09E-04	3.10E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	7.88E-05	1.61E-04	7.98E-05	7.69E-05	1.57E-04	7.87E-05	7.59E-05	1.55E-04
4903 485363.09, 3862377.25	0.00203	0.00196	3.18E-04	3.20E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.13E-05	1.66E-04	8.22E-05	7.93E-05	1.62E-04	8.11E-05	7.83E-05	1.59E-04
4904 485863.09, 3862377.25	0.00209	0.00203	3.27E-04	3.31E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.42E-05	1.71E-04	8.46E-05	8.22E-05	1.67E-04	8.35E-05	8.11E-05	1.65E-04
4905 486363.09, 3862377.25	0.00217	0.00212	3.40E-04	3.46E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	8.80E-05	1.78E-04	8.79E-05	8.58E-05	1.74E-04	8.67E-05	8.47E-05	1.71E-04
4906 486863.09, 3862377.25	0.00229	0.00222	3.59E-04	3.62E-04	3.38E-04	3.46E-04	3.27E-04	9.50E-05	9.21E-05	1.87E-04	9.27E-05	8.99E-05	1.83E-04	9.15E-05	8.87E-05	1.80E-04
4907 487363.09, 3862377.25	0.00243	0.00234	3.81E-04	3.82E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	9.71E-05	1.98E-04	9.84E-05	9.47E-05	1.93E-04	9.71E-05	9.35E-05	1.91E-04
4908 487863.09, 3862377.25	0.00257	0.00247	4.03E-04	4.03E-04	3.79E-04	3.88E-04	3.66E-04	1.07E-04	1.02E-04	2.09E-04	1.04E-04	1.00E-04	2.04E-04	1.03E-04	9.87E-05	2.01E-04
4909 488363.09, 3862377.25	0.00271	0.00261	4.25E-04	4.26E-04	4.00E-04	4.10E-04	3.86E-04	1.12E-04	1.08E-04	2.21E-04	1.10E-04	1.06E-04	2.15E-04	1.08E-04	1.04E-04	2.13E-04
4910 488863.09, 3862377.25	0.00289	0.00277	4.53E-04	4.52E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.15E-04	2.35E-04	1.17E-04	1.12E-04	2.29E-04	1.15E-04	1.11E-04	2.26E-04
4911 489363.09, 3862377.25	0.00308	0.00297	4.82E-04	4.85E-04	4.55E-04	4.66E-04	4.39E-04	1.28E-04	1.23E-04	2.51E-04	1.25E-04	1.20E-04	2.45E-04	1.23E-04	1.19E-04	2.42E-04
4912 489863.09, 3862377.25	0.00328	0.0032	5.14E-04	5.22E-04	4.84E-04	4.96E-04	4.68E-04	1.36E-04	1.33E-04	2.69E-04	1.33E-04	1.30E-04	2.62E-04	1.31E-04	1.28E-04	2.59E-04
4913 490363.09, 3862377.25	0.0035	0.00348	5.48E-04	5.68E-04	5.17E-04	5.29E-04	4.99E-04	1.45E-04	1.44E-04	2.90E-04	1.42E-04	1.41E-04	2.83E-04	1.40E-04	1.39E-04	2.79E-04
4914 490863.09, 3862377.25	0.0038	0.00381	5.95E-04	6.22E-04	5.61E-04	5.74E-04	5.42E-04	1.58E-04	1.58E-04	3.16E-04	1.54E-04	1.54E-04	3.08E-04	1.52E-04	1.52E-04	3.04E-04
4915 491363.09, 3862377.25	0.0042	0.00417	6.58E-04	6.81E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.73E-04	3.47E-04	1.70E-04	1.69E-04	3.39E-04	1.68E-04	1.67E-04	3.34E-04
4916 491863.09, 3862377.25	0.00467	0.00459	7.32E-04	7.49E-04	6.89E-04	7.06E-04	6.66E-04	1.94E-04	1.90E-04	3.84E-04	1.89E-04	1.86E-04	3.75E-04	1.87E-04	1.83E-04	3.70E-04
4917 492363.09, 3862377.25	0.00523	0.00518	8.19E-04	8.46E-04	7.72E-04	7.91E-04	7.46E-04	2.17E-04	2.15E-04	4.32E-04	2.12E-04	2.10E-04	4.21E-04	2.09E-04	2.07E-04	4.16E-04
4918 492863.09, 3862377.25	0.00599	0.006	9.38E-04	9.79E-04	8.84E-04	9.05E-04	8.54E-04	2.49E-04	2.49E-04	4.97E-04	2.43E-04	2.43E-04	4.85E-04	2.39E-04	2.40E-04	4.79E-04
4919 493363.09, 3862377.25	0.00697	0.00697	1.09E-03	1.14E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	2.89E-04	5.78E-04	2.82E-04	2.82E-04	5.64E-04	2.78E-04	2.78E-04	5.57E-04
4920 493863.09, 3862377.25	0.00817	0.00814	1.28E-03	1.33E-03	1.21E-03	1.23E-03	1.16E-03	3.39E-04	3.38E-04	6.77E-04	3.31E-04	3.30E-04	6.60E-04	3.26E-04	3.25E-04	6.52E-04
4921 494363.09, 3862377.25	0.00991	0.00989	1.55E-03	1.61E-03	1.46E-03	1.50E-03	1.41E-03	4.11E-04	4.10E-04	8.21E-04	4.01E-04	4.00E-04	8.02E-04	3.96E-04	3.95E-04	7.91E-04
4922 494863.09, 3862377.25	0.0124	0.01244	1.94E-03	2.03E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	5.16E-04	1.03E-03	5.02E-04	5.04E-04	1.01E-03	4.95E-04	4.97E-04	9.92E-04
4923 495363.09, 3862377.25	0.01611	0.01622	2.52E-03	2.65E-03	2.38E-03	2.44E-03	2.30E-03	6.68E-04	6.73E-04	1.34E-03	6.52E-04	6.57E-04	1.31E-03	6.44E-04	6.48E-04	1.29E-03
4924 495863.09, 3862377.25	0.02405	0.02427	3.77E-03	3.96E-03	3.55E-03	3.64E-03	3.43E-03	9.98E-04	1.01E-03	2.00E-03	9.74E-04	9.83E-04	1.96E-03	9.61E-04	9.70E-04	1.93E-03
4925 496363.09, 3862377.25	0.04768	0.04801	7.47E-03	7.84E-03	7.04E-03	7.21E-03	6.80E-03	1.98E-03	1.99E-03	3.97E-03	1.93E-03	1.94E-03	3.87E-03	1.90E-03	1.92E-03	3.82E-03
4926 496863.09, 3862377.25	0.41761	0.40706	6.54E-02	6.64E-02	6.16E-02	6.31E-02	5.95E-02	1.73E-02	1.69E-02	3.42E-02	1.69E-02	1.65E-02	3.34E-02	1.67E-02	1.63E-02	3.29E-02
4927 497363.09, 3862377.25	0.24763	0.24974	3.88E-02	4.08E-02	3.65E-02	3.74E-02	3.53E-02	1.03E-02	1.04E-02	2.06E-02	1.00E-02	1.01E-02	2.01E-02	9.89E-03	9.98E-03	1.99E-02
4928 497863.09, 3862377.25	0.65107	0.69964	1.02E-01	1.14E-01	9.61E-02	9.84E-02	9.28E-02	2.70E-02	2.90E-02	5.60E-02	2.64E-02	2.83E-02	5.47E-02	2.60E-02	2.79E-02	5.40E-02
4929 498363.09, 3862377.25	0.08557	0.08487	1.34E-02	1.39E-02	1.26E-02	1.29E-02	1.22E-02	3.55E-03	3.52E-03	7.07E-03	3.46E-03	3.44E-03	6.90E-03	3.42E-03	3.39E-03	6.81E-03
4930 471363.09, 3862877.25	0.00097	0.00095	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.77E-05	3.87E-05	3.79E-05	7.67E-05
4931 471863.09, 3862877.25	0.00099	0.00097	1.55E-04	1.58E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	4.02E-05	8.13E-05	4.01E-05	3.93E-05	7.93E-05	3.95E-05	3.87E-05	7.83E-05
4932 472363.09, 3862877.25	0.00101	0.00099	1.58E-04	1.62E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.11E-05	8.30E-05	4.09E-05	4.01E-05	8.10E-05	4.03E-05	3.95E-05	7.99E-05
4933 472863.09, 3862877.25	0.00103	0.001	1.61E-04	1.63E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.15E-05	8.42E-05	4.17E-05	4.05E-05	8.22E-05	4.11E-05	3.99E-05	8.11E-05
4934 473363.09, 3862877.25	0.00105	0.00102	1.64E-04	1.66E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.23E-05	8.59E-05	4.25E-05	4.13E-05	8.38E-05	4.19E-05	4.07E-05	8.27E-05
4935 473863.09, 3862877.25	0.00106	0.00104	1.66E-04	1.70E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.31E-05	8.71E-05	4.29E-05	4.21E-05	8.50E-05	4.23E-05	4.15E-05	8.39E-05
4936 474363.09, 3862877.25	0.00108	0.00105	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.36E-05	8.84E-05	4.37E-05	4.25E-05	8.62E-05	4.31E-05	4.19E-05	8.51E-05
4937 474863.09, 3862877.25	0.0011	0.00107	1.72E-04	1.75E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.44E-05	9.00E-05	4.45E-05	4.33E-05	8.79E-05	4.39E-05	4.27E-05	8.67E-05
4938 475363.09, 3862877.25	0.00113	0.0011	1.77E-04	1.80E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.56E-05	9.25E-05	4.57E-05	4.45E-05	9.03E-05	4.51E-05	4.39E-05	8.91E-05
4939 475863.09, 3862877.25	0.00115	0.00112	1.80E-04	1.83E-04	1.70E-04	1.74E-04	1.64E-04	4.77E-05	4.65E-05	9.42E-05	4.66E-05	4.53E-05	9.19E-05	4.59E-05	4.47E-05	9.07E-05
4940 476363.09, 3862877.25	0.00118	0.00114	1.85E-04	1.86E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.73E-05	9.63E-05	4.78E-05	4.62E-05	9.39E-05	4.71E-05	4.55E-05	9.27E-05
4941 476863.09, 3862877.25	0.00119	0.00116	1.86E-04	1.89E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.81E-05	9.75E-05	4.82E-05	4.70E-05	9.51E-05	4.75E-05	4.63E-05	9.39E-05
4942 477363.09, 3862877.25	0.00121	0.00118	1.90E-04	1.93E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.90E-05	9.92E-05	4.90E-05	4.78E-05	9.68E-05	4.83E-05	4.71E-05	9.55E-05
4943 477863.09, 3862877.25	0.00118	0.00116	1.85E-04	1.89E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.81E-05	9.71E-05	4.78E-05	4.70E-05	9.47E-05	4.71E-05	4.63E-05	9.35E-05
4944 478363.09, 3862877.25	0.00108	0.00109	1.69E-04	1.78E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.52E-05	9.00E-05	4.37E-05	4.41E-05	8.79E-05	4.31E-05	4.35E-05	8.67E-05
4945 478863.09, 3862877.25	0.00109	0.0011	1.71E-04	1.80E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.56E-05	9.09E-05	4.41E-05	4.45E-05	8.87E-05	4.35E-05	4.39E-05	8.75E-05
4946 479363.09, 3862877.25	0.00112	0.00113	1.75E-04	1.84E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.69E-05	9.33E-05	4.53E-05	4.57E-05	9.11E-05	4.47E-05	4.51E-05	8.99E-05

4947 479863.09, 3862877.25	0.00135	0.00131	2.11E-04	2.14E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.43E-05	1.10E-04	5.47E-05	5.30E-05	1.08E-04	5.39E-05	5.23E-05	1.06E-04
4948 480363.09, 3862877.25	0.00141	0.00135	2.21E-04	2.20E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.60E-05	1.15E-04	5.71E-05	5.47E-05	1.12E-04	5.63E-05	5.39E-05	1.10E-04
4949 480863.09, 3862877.25	0.00144	0.00139	2.26E-04	2.27E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	5.77E-05	1.17E-04	5.83E-05	5.63E-05	1.15E-04	5.75E-05	5.55E-05	1.13E-04
4950 481363.09, 3862877.25	0.0015	0.00144	2.35E-04	2.35E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	5.97E-05	1.22E-04	6.07E-05	5.83E-05	1.19E-04	5.99E-05	5.75E-05	1.17E-04
4951 481863.09, 3862877.25	0.00155	0.00148	2.43E-04	2.42E-04	2.29E-04	2.34E-04	2.21E-04	6.43E-05	6.14E-05	1.26E-04	6.28E-05	5.99E-05	1.23E-04	6.19E-05	5.91E-05	1.21E-04
4952 482363.09, 3862877.25	0.00159	0.00153	2.49E-04	2.50E-04	2.35E-04	2.40E-04	2.27E-04	6.60E-05	6.35E-05	1.29E-04	6.44E-05	6.19E-05	1.26E-04	6.35E-05	6.11E-05	1.25E-04
4953 482863.09, 3862877.25	0.00163	0.00157	2.55E-04	2.56E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.51E-05	1.33E-04	6.60E-05	6.36E-05	1.30E-04	6.51E-05	6.27E-05	1.28E-04
4954 483363.09, 3862877.25	0.00168	0.00161	2.63E-04	2.63E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.68E-05	1.36E-04	6.80E-05	6.52E-05	1.33E-04	6.71E-05	6.43E-05	1.31E-04
4955 483863.09, 3862877.25	0.00172	0.00166	2.69E-04	2.71E-04	2.54E-04	2.60E-04	2.45E-04	7.14E-05	6.89E-05	1.40E-04	6.96E-05	6.72E-05	1.37E-04	6.87E-05	6.63E-05	1.35E-04
4956 484363.09, 3862877.25	0.00178	0.00172	2.79E-04	2.81E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.14E-05	1.45E-04	7.21E-05	6.96E-05	1.42E-04	7.11E-05	6.87E-05	1.40E-04
4957 484863.09, 3862877.25	0.00184	0.00179	2.88E-04	2.92E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.43E-05	1.51E-04	7.45E-05	7.25E-05	1.47E-04	7.35E-05	7.15E-05	1.45E-04
4958 485363.09, 3862877.25	0.0019	0.00185	2.98E-04	3.02E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	7.68E-05	1.56E-04	7.69E-05	7.49E-05	1.52E-04	7.59E-05	7.39E-05	1.50E-04
4959 485863.09, 3862877.25	0.00196	0.00191	3.07E-04	3.12E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	7.92E-05	1.61E-04	7.93E-05	7.73E-05	1.57E-04	7.83E-05	7.63E-05	1.55E-04
4960 486363.09, 3862877.25	0.00202	0.00198	3.16E-04	3.23E-04	2.98E-04	3.05E-04	2.88E-04	8.38E-05	8.21E-05	1.66E-04	8.18E-05	8.02E-05	1.62E-04	8.07E-05	7.91E-05	1.60E-04
4961 486863.09, 3862877.25	0.00211	0.00206	3.31E-04	3.36E-04	3.11E-04	3.19E-04	3.01E-04	8.75E-05	8.55E-05	1.73E-04	8.54E-05	8.34E-05	1.69E-04	8.43E-05	8.23E-05	1.67E-04
4962 487363.09, 3862877.25	0.00222	0.00216	3.48E-04	3.53E-04	3.28E-04	3.36E-04	3.17E-04	9.21E-05	8.96E-05	1.82E-04	8.99E-05	8.74E-05	1.77E-04	8.87E-05	8.63E-05	1.75E-04
4963 487863.09, 3862877.25	0.00234	0.00226	3.67E-04	3.69E-04	3.45E-04	3.54E-04	3.34E-04	9.71E-05	9.38E-05	1.91E-04	9.47E-05	9.15E-05	1.86E-04	9.35E-05	9.03E-05	1.84E-04
4964 488363.09, 3862877.25	0.00245	0.00237	3.84E-04	3.87E-04	3.62E-04	3.70E-04	3.49E-04	1.02E-04	9.83E-05	2.00E-04	9.92E-05	9.59E-05	1.95E-04	9.79E-05	9.47E-05	1.93E-04
4965 488863.09, 3862877.25	0.00258	0.00248	4.04E-04	4.05E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.03E-04	2.10E-04	1.04E-04	1.00E-04	2.05E-04	1.03E-04	9.91E-05	2.02E-04
4966 489363.09, 3862877.25	0.00273	0.00263	4.28E-04	4.29E-04	4.03E-04	4.13E-04	3.89E-04	1.13E-04	1.09E-04	2.22E-04	1.11E-04	1.06E-04	2.17E-04	1.09E-04	1.05E-04	2.14E-04
4967 489863.09, 3862877.25	0.00289	0.00281	4.53E-04	4.59E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.17E-04	2.36E-04	1.17E-04	1.14E-04	2.31E-04	1.15E-04	1.12E-04	2.28E-04
4968 490363.09, 3862877.25	0.00305	0.003	4.78E-04	4.90E-04	4.50E-04	4.61E-04	4.35E-04	1.27E-04	1.24E-04	2.51E-04	1.23E-04	1.21E-04	2.45E-04	1.22E-04	1.20E-04	2.42E-04
4969 490863.09, 3862877.25	0.00322	0.00323	5.04E-04	5.27E-04	4.75E-04	4.87E-04	4.59E-04	1.34E-04	1.34E-04	2.68E-04	1.30E-04	1.31E-04	2.61E-04	1.29E-04	1.29E-04	2.58E-04
4970 491363.09, 3862877.25	0.00343	0.00345	5.37E-04	5.63E-04	5.06E-04	5.18E-04	4.89E-04	1.42E-04	1.43E-04	2.85E-04	1.39E-04	1.40E-04	2.79E-04	1.37E-04	1.38E-04	2.75E-04
4971 491863.09, 3862877.25	0.00371	0.00369	5.81E-04	6.02E-04	5.48E-04	5.61E-04	5.29E-04	1.54E-04	1.53E-04	3.07E-04	1.50E-04	1.49E-04	3.00E-04	1.48E-04	1.47E-04	2.96E-04
4972 492363.09, 3862877.25	0.00401	0.00394	6.28E-04	6.43E-04	5.92E-04	6.06E-04	5.72E-04	1.66E-04	1.63E-04	3.30E-04	1.62E-04	1.60E-04	3.22E-04	1.60E-04	1.57E-04	3.18E-04
4973 492863.09, 3862877.25	0.00436	0.00431	6.83E-04	7.04E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.79E-04	3.60E-04	1.77E-04	1.74E-04	3.51E-04	1.74E-04	1.72E-04	3.46E-04
4974 493363.09, 3862877.25	0.00479	0.0048	7.50E-04	7.83E-04	7.07E-04	7.24E-04	6.83E-04	1.99E-04	1.99E-04	3.98E-04	1.94E-04	1.94E-04	3.88E-04	1.91E-04	1.92E-04	3.83E-04
4975 493863.09, 3862877.25	0.00521	0.00521	8.16E-04	8.50E-04	7.69E-04	7.88E-04	7.43E-04	2.16E-04	2.16E-04	4.32E-04	2.11E-04	2.11E-04	4.22E-04	2.08E-04	2.08E-04	4.16E-04
4976 494363.09, 3862877.25	0.00579	0.00575	9.07E-04	9.39E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.39E-04	4.79E-04	2.34E-04	2.33E-04	4.67E-04	2.31E-04	2.30E-04	4.61E-04
4977 494863.09, 3862877.25	0.00662	0.00657	1.04E-03	1.07E-03	9.77E-04	1.00E-03	9.44E-04	2.75E-04	2.73E-04	5.47E-04	2.68E-04	2.66E-04	5.34E-04	2.64E-04	2.62E-04	5.27E-04
4978 495363.09, 3862877.25	0.00753	0.00749	1.18E-03	1.22E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.11E-04	6.23E-04	3.05E-04	3.03E-04	6.08E-04	3.01E-04	2.99E-04	6.00E-04
4979 495863.09, 3862877.25	0.00849	0.00849	1.33E-03	1.39E-03	1.25E-03	1.28E-03	1.21E-03	3.52E-04	3.52E-04	7.04E-04	3.44E-04	3.44E-04	6.87E-04	3.39E-04	3.39E-04	6.78E-04
4980 496363.09, 3862877.25	0.00961	0.00965	1.51E-03	1.58E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	4.00E-04	7.99E-04	3.89E-04	3.91E-04	7.80E-04	3.84E-04	3.85E-04	7.69E-04
4981 496863.09, 3862877.25	0.01108	0.01114	1.74E-03	1.82E-03	1.64E-03	1.67E-03	1.58E-03	4.60E-04	4.62E-04	9.22E-04	4.49E-04	4.51E-04	9.00E-04	4.43E-04	4.45E-04	8.88E-04
4982 497363.09, 3862877.25	0.01206	0.01213	1.89E-03	1.98E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	5.03E-04	1.00E-03	4.88E-04	4.91E-04	9.79E-04	4.82E-04	4.85E-04	9.66E-04
4983 497863.09, 3862877.25	0.01207	0.01212	1.89E-03	1.98E-03	1.78E-03	1.82E-03	1.72E-03	5.01E-04	5.03E-04	1.00E-03	4.89E-04	4.91E-04	9.79E-04	4.82E-04	4.84E-04	9.66E-04
4984 498363.09, 3862877.25	0.0116	0.01164	1.82E-03	1.90E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	4.83E-04	9.64E-04	4.70E-04	4.71E-04	9.41E-04	4.63E-04	4.65E-04	9.28E-04
4985 471363.09, 3863377.25	0.00095	0.00093	1.49E-04	1.52E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.86E-05	7.80E-05	3.85E-05	3.77E-05	7.61E-05	3.79E-05	3.72E-05	7.51E-05
4986 471863.09, 3863377.25	0.00097	0.00095	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.77E-05	3.87E-05	3.79E-05	7.67E-05
4987 472363.09, 3863377.25	0.00098	0.00096	1.54E-04	1.57E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	3.98E-05	8.05E-05	3.97E-05	3.89E-05	7.85E-05	3.91E-05	3.83E-05	7.75E-05
4988 472863.09, 3863377.25	0.001	0.00098	1.57E-04	1.60E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.07E-05	8.21E-05	4.05E-05	3.97E-05	8.02E-05	3.99E-05	3.91E-05	7.91E-05
4989 473363.09, 3863377.25	0.00102	0.00099	1.60E-04	1.62E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.11E-05	8.34E-05	4.13E-05	4.01E-05	8.14E-05	4.07E-05	3.95E-05	8.03E-05
4990 473863.09, 3863377.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
4991 474363.09, 3863377.25	0.00105	0.00103	1.64E-04	1.68E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.27E-05	8.63E-05	4.25E-05	4.17E-05	8.42E-05	4.19E-05	4.11E-05	8.31E-05
4992 474863.09, 3863377.25	0.00107	0.00104	1.68E-04	1.70E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.31E-05	8.75E-05	4.33E-05	4.21E-05	8.54E-05	4.27E-05	4.15E-05	8.43E-05
4993 475363.09, 3863377.25	0.00109	0.00106	1.71E-04	1.73E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.40E-05	8.92E-05	4.41E-05	4.29E-05	8.70E-05	4.35E-05	4.23E-05	8.59E-05
4994 475863.09, 3863377.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
4995 476363.09, 3863377.25	0.00114	0.0011	1.79E-04	1.80E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.56E-05	9.29E-05	4.62E-05	4.45E-05	9.07E-05	4.55E-05	4.39E-05	8.95E-05
4996 476863.09, 3863377.25	0.00116	0.00112	1.82E-04	1.83E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.65E-05	9.46E-05	4.70E-05	4.53E-05	9.23E-05	4.63E-05	4.47E-05	9.11E-05
4997 477363.09, 3863377.25	0.00118	0.00114	1.85E-04	1.86E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.73E-05	9.63E-05	4.78E-05	4.62E-05	9.39E-05	4.71E-05	4.55E-05	9.27E-05
4998 477863.09, 3863377.25	0.00118	0.00115	1.85E-04	1.88E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.77E-05	9.67E-05	4.78E-05	4.66E-05	9.43E-05	4.71E-05	4.59E-05	9.31E-05
4999 478363.09, 3863377.25	0.00113	0.00112	1.77E-04	1.83E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.65E-05	9.33E-05	4.57E-05	4.53E-05	9.11E-05	4.51E-05	4.47E-05	8.99E-05
5000 478863.09, 3863377.25	0.00116	0.00114	1.82E-04	1.86E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.73E-05	9.54E-05	4.70E-05	4.62E-05	9.31E-05	4.63E-05	4.55E-05	9.19E-05
5001 479363.09, 3863377.25	0.00124	0.00121	1.94E-04	1.98E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.02E-05	1.02E-04	5.02E-05	4.90E-05	9.92E-05	4.95E-05	4.83E-05	9.79E-05
5002 479863.09, 3863377.25	0.00131	0.00127	2.05E-04	2.07E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.27E-05	1.07E-04	5.30E-05	5.14E-05	1.04E-04	5.23E-05	5.07E-05	1.03E-04
5003 480363.09, 3863377.25	0.00135	0.0013	2.11E-04	2.12E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.39E-05	1.10E-04	5.47E-05	5.26E-05	1.07E-04	5.39E-05	5.19E-05	1.06E-04
5004 480863.09, 3863377.25	0.00138	0.00134	2.16E-04	2.19E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.56E-05	1.13E-04	5.59E-05	5.42E-05	1.10E-04	5.51E-05	5.35E-05	1.09E-04
5005 481363.09, 3863377.25	0.00143	0.00138	2.24E-04	2.25E-04	2.11E-04	2.16E-04	2.04E-04	5.93E-05	5.73E-05	1.17E-04	5.79E-05	5.59E-05	1.14E-04	5.71E-05	5.51E-05	1.12E-04
5006 481863.09, 3863377.25	0.00148	0.00142	2.32E-04	2.32E-04	2.18E-04	2.24E-04	2.11E-04	6.14E-05	5.89E-05	1.20E-04	5.99E-05	5.75E-05	1.17E-04	5.91E-05	5.67E-05	1.16E-04
5007 482363.09, 3863377.25	0.00152	0.00146	2.38E-04	2.38E-04	2.24E-04	2.30E-04	2.17E-04	6.31E-05	6.06E-05	1.24E-04	6.15E-05	5.91E-05	1.21E-04	6.07E-05	5.83E-05	1.19E-04
5008 482863.09, 3863377.25	0.00155	0.0015	2.43E-04	2.45E-04	2.29E-04	2.34E-04	2.21E-04	6.43E-05	6.22E-05	1.27E-04	6.28E-05	6.07E-05	1.23E-04	6.19E-05	5.99E-05	1.22E-04
5009 483363.09, 3863377.25	0.00159	0.00154	2.49E-04	2.51E-04	2.35E-04	2.40E-04	2.27E-04	6.60E-05	6.39E-05	1.30E-04	6.44E-05	6.23E-05	1.27E-04	6.35E-05	6.15E-05	1.25E-04
5010 483863.09, 3863377.25	0.00163	0.00158	2.55E-04	2.58E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.56E-05	1.33E-04	6.60E-05	6.40E-05	1.30E-04	6.51E-05	6.31E-05	1.28E-04
5011 484363.09, 3863377.25	0.00168	0.00164	2.63E-04	2.68E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.80E-05	1.38E-04	6.80E-05	6.64E-05	1.34E-04	6.71E-05	6.55E-05	1.33E-04
5012 484863.09, 3863377.25	0.00174	0.00169	2.73E-04	2.76E-04	2.57E-04	2.63E-04	2.48E-04	7.22E-05	7.01E-05	1.42E-04	7.04E-05	6.84E-05	1.39E-04	6.95E-05	6.75E-05	1.37E-04

5013 485363.09, 3863377.25	0.00179	0.00175	2.80E-04	2.86E-04	2.64E-04	2.71E-04	2.55E-04	7.43E-05	7.26E-05	1.47E-04	7.25E-05	7.08E-05	1.43E-04	7.15E-05	6.99E-05	1.41E-04
5014 485863.09, 3863377.25	0.00184	0.0018	2.88E-04	2.94E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.47E-05	1.51E-04	7.45E-05	7.29E-05	1.47E-04	7.35E-05	7.19E-05	1.45E-04
5015 486363.09, 3863377.25	0.00188	0.00185	2.95E-04	3.02E-04	2.77E-04	2.84E-04	2.68E-04	7.80E-05	7.68E-05	1.55E-04	7.61E-05	7.49E-05	1.51E-04	7.51E-05	7.39E-05	1.49E-04
5016 486863.09, 3863377.25	0.00195	0.00191	3.05E-04	3.12E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	7.92E-05	1.60E-04	7.89E-05	7.73E-05	1.56E-04	7.79E-05	7.63E-05	1.54E-04
5017 487363.09, 3863377.25	0.00203	0.00199	3.18E-04	3.25E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.26E-05	1.67E-04	8.22E-05	8.06E-05	1.63E-04	8.11E-05	7.95E-05	1.61E-04
5018 487863.09, 3863377.25	0.00213	0.00207	3.34E-04	3.38E-04	3.14E-04	3.22E-04	3.04E-04	8.84E-05	8.59E-05	1.74E-04	8.62E-05	8.38E-05	1.70E-04	8.51E-05	8.27E-05	1.68E-04
5019 488363.09, 3863377.25	0.00222	0.00215	3.48E-04	3.51E-04	3.28E-04	3.36E-04	3.17E-04	9.21E-05	8.92E-05	1.81E-04	8.99E-05	8.70E-05	1.77E-04	8.87E-05	8.59E-05	1.75E-04
5020 488863.09, 3863377.25	0.00232	0.00224	3.63E-04	3.66E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.29E-05	1.89E-04	9.39E-05	9.07E-05	1.85E-04	9.27E-05	8.95E-05	1.82E-04
5021 489363.09, 3863377.25	0.00242	0.00234	3.79E-04	3.82E-04	3.57E-04	3.66E-04	3.45E-04	1.00E-04	9.71E-05	1.97E-04	9.80E-05	9.47E-05	1.93E-04	9.67E-05	9.35E-05	1.90E-04
5022 489863.09, 3863377.25	0.00254	0.00246	3.98E-04	4.02E-04	3.75E-04	3.84E-04	3.62E-04	1.05E-04	1.02E-04	2.07E-04	1.03E-04	9.96E-05	2.02E-04	1.01E-04	9.83E-05	2.00E-04
5023 490363.09, 3863377.25	0.00266	0.0026	4.17E-04	4.24E-04	3.93E-04	4.02E-04	3.79E-04	1.10E-04	1.08E-04	2.18E-04	1.08E-04	1.05E-04	2.13E-04	1.06E-04	1.04E-04	2.10E-04
5024 490863.09, 3863377.25	0.00277	0.00275	4.34E-04	4.49E-04	4.09E-04	4.19E-04	3.95E-04	1.15E-04	1.14E-04	2.29E-04	1.12E-04	1.11E-04	2.23E-04	1.11E-04	1.10E-04	2.21E-04
5025 491363.09, 3863377.25	0.00289	0.00291	4.53E-04	4.75E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.21E-04	2.41E-04	1.17E-04	1.18E-04	2.35E-04	1.15E-04	1.16E-04	2.32E-04
5026 491863.09, 3863377.25	0.00304	0.00306	4.76E-04	4.99E-04	4.49E-04	4.60E-04	4.33E-04	1.26E-04	1.27E-04	2.53E-04	1.23E-04	1.24E-04	2.47E-04	1.21E-04	1.22E-04	2.44E-04
5027 492363.09, 3863377.25	0.00318	0.00317	4.98E-04	5.17E-04	4.69E-04	4.81E-04	4.53E-04	1.32E-04	1.32E-04	2.63E-04	1.29E-04	1.28E-04	2.57E-04	1.27E-04	1.27E-04	2.54E-04
5028 492863.09, 3863377.25	0.00313	0.00307	4.90E-04	5.01E-04	4.62E-04	4.73E-04	4.46E-04	1.30E-04	1.27E-04	2.57E-04	1.27E-04	1.24E-04	2.51E-04	1.25E-04	1.23E-04	2.48E-04
5029 493363.09, 3863377.25	0.00299	0.00294	4.68E-04	4.80E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.22E-04	2.46E-04	1.21E-04	1.19E-04	2.40E-04	1.19E-04	1.17E-04	2.37E-04
5030 493863.09, 3863377.25	0.00316	0.00316	4.95E-04	5.16E-04	4.66E-04	4.78E-04	4.51E-04	1.31E-04	1.31E-04	2.62E-04	1.28E-04	1.28E-04	2.56E-04	1.26E-04	1.26E-04	2.52E-04
5031 494363.09, 3863377.25	0.00352	0.00353	5.51E-04	5.76E-04	5.20E-04	5.32E-04	5.02E-04	1.46E-04	1.46E-04	2.92E-04	1.43E-04	1.43E-04	2.85E-04	1.41E-04	1.41E-04	2.82E-04
5032 494863.09, 3863377.25	0.00359	0.00356	5.62E-04	5.81E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.48E-04	2.97E-04	1.45E-04	1.44E-04	2.89E-04	1.43E-04	1.42E-04	2.86E-04
5033 495363.09, 3863377.25	0.00353	0.00348	5.53E-04	5.68E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.44E-04	2.91E-04	1.43E-04	1.41E-04	2.84E-04	1.41E-04	1.39E-04	2.80E-04
5034 495863.09, 3863377.25	0.00359	0.00353	5.62E-04	5.76E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.46E-04	2.95E-04	1.45E-04	1.43E-04	2.88E-04	1.43E-04	1.41E-04	2.84E-04
5035 496363.09, 3863377.25	0.005	0.00497	7.83E-04	8.11E-04	7.38E-04	7.56E-04	7.13E-04	2.07E-04	2.06E-04	4.14E-04	2.02E-04	2.01E-04	4.04E-04	2.00E-04	1.99E-04	3.98E-04
5036 496863.09, 3863377.25	0.00516	0.00515	8.08E-04	8.41E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.14E-04	4.28E-04	2.09E-04	2.08E-04	4.17E-04	2.06E-04	2.06E-04	4.12E-04
5037 497363.09, 3863377.25	0.00508	0.00509	7.96E-04	8.31E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.11E-04	4.22E-04	2.06E-04	2.06E-04	4.12E-04	2.03E-04	2.03E-04	4.06E-04
5038 497863.09, 3863377.25	0.00492	0.00494	7.71E-04	8.06E-04	7.26E-04	7.44E-04	7.02E-04	2.04E-04	2.05E-04	4.09E-04	1.99E-04	2.00E-04	3.99E-04	1.97E-04	1.97E-04	3.94E-04
5039 498363.09, 3863377.25	0.00488	0.0049	7.64E-04	8.00E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.03E-04	4.06E-04	1.98E-04	1.98E-04	3.96E-04	1.95E-04	1.96E-04	3.91E-04
5040 471363.09, 3863877.25	0.00092	0.0009	1.44E-04	1.47E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.73E-05	7.55E-05	3.72E-05	3.64E-05	7.37E-05	3.68E-05	3.60E-05	7.27E-05
5041 471863.09, 3863877.25	0.00094	0.00092	1.47E-04	1.50E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.82E-05	7.72E-05	3.81E-05	3.72E-05	7.53E-05	3.76E-05	3.68E-05	7.43E-05
5042 472363.09, 3863877.25	0.00095	0.00093	1.49E-04	1.52E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.86E-05	7.80E-05	3.85E-05	3.77E-05	7.61E-05	3.79E-05	3.72E-05	7.51E-05
5043 472863.09, 3863877.25	0.00097	0.00095	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.77E-05	3.87E-05	3.79E-05	7.67E-05
5044 473363.09, 3863877.25	0.00099	0.00096	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.83E-05	7.79E-05
5045 473863.09, 3863877.25	0.00101	0.00098	1.58E-04	1.60E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.07E-05	8.26E-05	4.09E-05	3.97E-05	8.06E-05	4.03E-05	3.91E-05	7.95E-05
5046 474363.09, 3863877.25	0.00102	0.00099	1.60E-04	1.62E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.11E-05	8.34E-05	4.13E-05	4.01E-05	8.14E-05	4.07E-05	3.95E-05	8.03E-05
5047 474863.09, 3863877.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
5048 475363.09, 3863877.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
5049 475863.09, 3863877.25	0.00108	0.00105	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.36E-05	8.84E-05	4.37E-05	4.25E-05	8.62E-05	4.31E-05	4.19E-05	8.51E-05
5050 476363.09, 3863877.25	0.0011	0.00107	1.72E-04	1.75E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.44E-05	9.00E-05	4.45E-05	4.33E-05	8.79E-05	4.39E-05	4.27E-05	8.67E-05
5051 476863.09, 3863877.25	0.00112	0.00109	1.75E-04	1.78E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.52E-05	9.17E-05	4.53E-05	4.41E-05	8.95E-05	4.47E-05	4.35E-05	8.83E-05
5052 477363.09, 3863877.25	0.00114	0.0011	1.79E-04	1.80E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.56E-05	9.29E-05	4.62E-05	4.45E-05	9.07E-05	4.55E-05	4.39E-05	8.95E-05
5053 477863.09, 3863877.25	0.00115	0.00112	1.80E-04	1.83E-04	1.70E-04	1.74E-04	1.64E-04	4.77E-05	4.65E-05	9.42E-05	4.66E-05	4.53E-05	9.19E-05	4.59E-05	4.47E-05	9.07E-05
5054 478363.09, 3863877.25	0.00112	0.00111	1.75E-04	1.81E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.61E-05	9.25E-05	4.53E-05	4.49E-05	9.03E-05	4.47E-05	4.43E-05	8.91E-05
5055 478863.09, 3863877.25	0.00119	0.00116	1.86E-04	1.89E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.81E-05	9.75E-05	4.82E-05	4.70E-05	9.51E-05	4.75E-05	4.63E-05	9.39E-05
5056 479363.09, 3863877.25	0.00123	0.00119	1.93E-04	1.94E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.94E-05	1.00E-04	4.98E-05	4.82E-05	9.80E-05	4.91E-05	4.75E-05	9.67E-05
5057 479863.09, 3863877.25	0.00127	0.00123	1.99E-04	2.01E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.10E-05	1.04E-04	5.14E-05	4.98E-05	1.01E-04	5.07E-05	4.91E-05	9.99E-05
5058 480363.09, 3863877.25	0.0013	0.00125	2.04E-04	2.04E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.19E-05	1.06E-04	5.26E-05	5.06E-05	1.03E-04	5.19E-05	4.99E-05	1.02E-04
5059 480863.09, 3863877.25	0.00133	0.00129	2.08E-04	2.11E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.35E-05	1.09E-04	5.38E-05	5.22E-05	1.06E-04	5.31E-05	5.15E-05	1.05E-04
5060 481363.09, 3863877.25	0.00137	0.00132	2.15E-04	2.15E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.48E-05	1.12E-04	5.55E-05	5.34E-05	1.09E-04	5.47E-05	5.27E-05	1.07E-04
5061 481863.09, 3863877.25	0.00141	0.00136	2.21E-04	2.22E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.64E-05	1.15E-04	5.71E-05	5.51E-05	1.12E-04	5.63E-05	5.43E-05	1.11E-04
5062 482363.09, 3863877.25	0.00144	0.00139	2.26E-04	2.27E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	5.77E-05	1.17E-04	5.83E-05	5.63E-05	1.15E-04	5.75E-05	5.55E-05	1.13E-04
5063 482863.09, 3863877.25	0.00147	0.00142	2.30E-04	2.32E-04	2.17E-04	2.22E-04	2.10E-04	6.10E-05	5.89E-05	1.20E-04	5.95E-05	5.75E-05	1.17E-04	5.87E-05	5.67E-05	1.15E-04
5064 483363.09, 3863877.25	0.0015	0.00146	2.35E-04	2.38E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	6.06E-05	1.23E-04	6.07E-05	5.91E-05	1.20E-04	5.99E-05	5.83E-05	1.18E-04
5065 483863.09, 3863877.25	0.00153	0.00149	2.40E-04	2.43E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.18E-05	1.25E-04	6.19E-05	6.03E-05	1.22E-04	6.11E-05	5.95E-05	1.21E-04
5066 484363.09, 3863877.25	0.00157	0.00153	2.46E-04	2.50E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.35E-05	1.29E-04	6.36E-05	6.19E-05	1.26E-04	6.27E-05	6.11E-05	1.24E-04
5067 484863.09, 3863877.25	0.00161	0.00158	2.52E-04	2.58E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.56E-05	1.32E-04	6.52E-05	6.40E-05	1.29E-04	6.43E-05	6.31E-05	1.27E-04
5068 485363.09, 3863877.25	0.00165	0.00162	2.58E-04	2.64E-04	2.44E-04	2.49E-04	2.35E-04	6.85E-05	6.72E-05	1.36E-04	6.68E-05	6.56E-05	1.32E-04	6.59E-05	6.47E-05	1.31E-04
5069 485863.09, 3863877.25	0.00169	0.00166	2.65E-04	2.71E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	6.89E-05	1.39E-04	6.84E-05	6.72E-05	1.36E-04	6.75E-05	6.63E-05	1.34E-04
5070 486363.09, 3863877.25	0.00173	0.0017	2.71E-04	2.77E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	7.05E-05	1.42E-04	7.00E-05	6.88E-05	1.39E-04	6.91E-05	6.79E-05	1.37E-04
5071 486863.09, 3863877.25	0.00178	0.00175	2.79E-04	2.86E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.26E-05	1.46E-04	7.21E-05	7.08E-05	1.43E-04	7.11E-05	6.99E-05	1.41E-04
5072 487363.09, 3863877.25	0.00184	0.00181	2.88E-04	2.95E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.51E-05	1.51E-04	7.45E-05	7.33E-05	1.48E-04	7.35E-05	7.23E-05	1.46E-04
5073 487863.09, 3863877.25	0.00192	0.00188	3.01E-04	3.07E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	7.80E-05	1.58E-04	7.77E-05	7.61E-05	1.54E-04	7.67E-05	7.51E-05	1.52E-04
5074 488363.09, 3863877.25	0.002	0.00195	3.13E-04	3.18E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	8.09E-05	1.64E-04	8.10E-05	7.89E-05	1.60E-04	7.99E-05	7.79E-05	1.58E-04
5075 488863.09, 3863877.25	0.00208	0.00202	3.26E-04	3.30E-04	3.07E-04	3.14E-04	2.97E-04	8.63E-05	8.38E-05	1.70E-04	8.42E-05	8.18E-05	1.66E-04	8.31E-05	8.07E-05	1.64E-04
5076 489363.09, 3863877.25	0.00217	0.0021	3.40E-04	3.43E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	8.71E-05	1.77E-04	8.79E-05	8.50E-05	1.73E-04	8.67E-05	8.39E-05	1.71E-04
5077 489863.09, 3863877.25	0.00225	0.00218	3.52E-04	3.56E-04	3.32E-04	3.40E-04	3.21E-04	9.33E-05	9.04E-05	1.84E-04	9.11E-05	8.83E-05	1.79E-04	8.99E-05	8.71E-05	1.77E-04
5078 490363.09, 3863877.25	0.00233	0.00227	3.65E-04	3.71E-04	3.44E-04	3.52E-04	3.32E-04	9.67E-05	9.42E-05	1.91E-04	9.43E-05	9.19E-05	1.86E-04	9.31E-05	9.07E-05	1.84E-04

5079 490863.09, 3863877.25	0.0024	0.00236	3.76E-04	3.85E-04	3.54E-04	3.63E-04	3.42E-04	9.96E-05	9.79E-05	1.97E-04	9.72E-05	9.55E-05	1.93E-04	9.59E-05	9.43E-05	1.90E-04
5080 491363.09, 3863877.25	0.00246	0.00245	3.85E-04	4.00E-04	3.63E-04	3.72E-04	3.51E-04	1.02E-04	1.02E-04	2.04E-04	9.96E-05	9.92E-05	1.99E-04	9.83E-05	9.79E-05	1.96E-04
5081 491863.09, 3863877.25	0.00243	0.00245	3.81E-04	4.00E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.02E-04	2.02E-04	9.84E-05	9.92E-05	1.98E-04	9.71E-05	9.79E-05	1.95E-04
5082 492363.09, 3863877.25	0.00215	0.00219	3.37E-04	3.57E-04	3.17E-04	3.25E-04	3.07E-04	8.92E-05	9.09E-05	1.80E-04	8.70E-05	8.87E-05	1.76E-04	8.59E-05	8.75E-05	1.73E-04
5083 492863.09, 3863877.25	0.00192	0.00194	3.01E-04	3.17E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.05E-05	1.60E-04	7.77E-05	7.85E-05	1.56E-04	7.67E-05	7.75E-05	1.54E-04
5084 493363.09, 3863877.25	0.00202	0.00196	3.16E-04	3.20E-04	2.98E-04	3.05E-04	2.88E-04	8.38E-05	8.13E-05	1.65E-04	8.18E-05	7.93E-05	1.61E-04	8.07E-05	7.83E-05	1.59E-04
5085 493863.09, 3863877.25	0.00218	0.00211	3.41E-04	3.44E-04	3.22E-04	3.30E-04	3.11E-04	9.04E-05	8.75E-05	1.78E-04	8.83E-05	8.54E-05	1.74E-04	8.71E-05	8.43E-05	1.71E-04
5086 494363.09, 3863877.25	0.00234	0.00234	3.67E-04	3.82E-04	3.45E-04	3.54E-04	3.34E-04	9.71E-05	9.71E-05	1.94E-04	9.47E-05	9.47E-05	1.89E-04	9.35E-05	9.35E-05	1.87E-04
5087 494863.09, 3863877.25	0.00239	0.00242	3.74E-04	3.95E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.00E-04	2.00E-04	9.68E-05	9.80E-05	1.95E-04	9.55E-05	9.67E-05	1.92E-04
5088 495363.09, 3863877.25	0.00248	0.00247	3.88E-04	4.03E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.02E-04	2.05E-04	1.00E-04	1.00E-04	2.00E-04	9.91E-05	9.87E-05	1.98E-04
5089 495863.09, 3863877.25	0.00251	0.00246	3.93E-04	4.02E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.02E-04	2.06E-04	1.02E-04	9.96E-05	2.01E-04	1.00E-04	9.83E-05	1.99E-04
5090 496363.09, 3863877.25	0.00284	0.00279	4.45E-04	4.55E-04	4.19E-04	4.29E-04	4.05E-04	1.18E-04	1.16E-04	2.34E-04	1.15E-04	1.13E-04	2.28E-04	1.13E-04	1.11E-04	2.25E-04
5091 496863.09, 3863877.25	0.0032	0.00316	5.01E-04	5.16E-04	4.72E-04	4.84E-04	4.56E-04	1.33E-04	1.31E-04	2.64E-04	1.30E-04	1.28E-04	2.57E-04	1.28E-04	1.26E-04	2.54E-04
5092 497363.09, 3863877.25	0.00329	0.00326	5.15E-04	5.32E-04	4.86E-04	4.97E-04	4.69E-04	1.36E-04	1.35E-04	2.72E-04	1.33E-04	1.32E-04	2.65E-04	1.31E-04	1.30E-04	2.62E-04
5093 497863.09, 3863877.25	0.00323	0.00322	5.06E-04	5.26E-04	4.77E-04	4.88E-04	4.61E-04	1.34E-04	1.34E-04	2.68E-04	1.31E-04	1.30E-04	2.61E-04	1.29E-04	1.29E-04	2.58E-04
5094 498363.09, 3863877.25	0.00313	0.00313	4.90E-04	5.11E-04	4.62E-04	4.73E-04	4.46E-04	1.30E-04	1.30E-04	2.60E-04	1.27E-04	1.27E-04	2.53E-04	1.25E-04	1.25E-04	2.50E-04
5095 471363.09, 3864377.25	0.0009	0.00088	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.28E-04	3.73E-05	3.65E-05	7.38E-05	3.64E-05	3.56E-05	7.21E-05	3.60E-05	3.52E-05	7.11E-05
5096 471863.09, 3864377.25	0.00091	0.00089	1.43E-04	1.45E-04	1.34E-04	1.38E-04	1.30E-04	3.78E-05	3.69E-05	7.47E-05	3.68E-05	3.60E-05	7.29E-05	3.64E-05	3.56E-05	7.19E-05
5097 472363.09, 3864377.25	0.00093	0.00091	1.46E-04	1.49E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.78E-05	7.63E-05	3.77E-05	3.68E-05	7.45E-05	3.72E-05	3.64E-05	7.35E-05
5098 472863.09, 3864377.25	0.00095	0.00092	1.49E-04	1.50E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.82E-05	7.76E-05	3.85E-05	3.72E-05	7.57E-05	3.79E-05	3.68E-05	7.47E-05
5099 473363.09, 3864377.25	0.00096	0.00094	1.50E-04	1.53E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.90E-05	7.88E-05	3.89E-05	3.81E-05	7.69E-05	3.83E-05	3.76E-05	7.59E-05
5100 473863.09, 3864377.25	0.00098	0.00095	1.54E-04	1.55E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	3.94E-05	8.01E-05	3.97E-05	3.85E-05	7.81E-05	3.91E-05	3.79E-05	7.71E-05
5101 474363.09, 3864377.25	0.00099	0.00097	1.55E-04	1.58E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	4.02E-05	8.13E-05	4.01E-05	3.93E-05	7.93E-05	3.95E-05	3.87E-05	7.83E-05
5102 474863.09, 3864377.25	0.00101	0.00098	1.58E-04	1.60E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.07E-05	8.26E-05	4.09E-05	3.97E-05	8.06E-05	4.03E-05	3.91E-05	7.95E-05
5103 475363.09, 3864377.25	0.00102	0.001	1.60E-04	1.63E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.15E-05	8.38E-05	4.13E-05	4.05E-05	8.18E-05	4.07E-05	3.99E-05	8.07E-05
5104 475863.09, 3864377.25	0.00104	0.00102	1.63E-04	1.66E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.23E-05	8.55E-05	4.21E-05	4.13E-05	8.34E-05	4.15E-05	4.07E-05	8.23E-05
5105 476363.09, 3864377.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
5106 476863.09, 3864377.25	0.00108	0.00105	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.36E-05	8.84E-05	4.37E-05	4.25E-05	8.62E-05	4.31E-05	4.19E-05	8.51E-05
5107 477363.09, 3864377.25	0.00111	0.00107	1.74E-04	1.75E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.44E-05	9.04E-05	4.49E-05	4.33E-05	8.83E-05	4.43E-05	4.27E-05	8.71E-05
5108 477863.09, 3864377.25	0.00113	0.00109	1.77E-04	1.78E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.52E-05	9.21E-05	4.57E-05	4.41E-05	8.99E-05	4.51E-05	4.35E-05	8.87E-05
5109 478363.09, 3864377.25	0.00114	0.00111	1.79E-04	1.81E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.61E-05	9.33E-05	4.62E-05	4.49E-05	9.11E-05	4.55E-05	4.43E-05	8.99E-05
5110 478863.09, 3864377.25	0.00116	0.00113	1.82E-04	1.84E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.69E-05	9.50E-05	4.70E-05	4.57E-05	9.27E-05	4.63E-05	4.51E-05	9.15E-05
5111 479363.09, 3864377.25	0.00118	0.00115	1.85E-04	1.88E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.77E-05	9.67E-05	4.78E-05	4.66E-05	9.43E-05	4.71E-05	4.59E-05	9.31E-05
5112 479863.09, 3864377.25	0.00121	0.00117	1.90E-04	1.91E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.85E-05	9.87E-05	4.90E-05	4.74E-05	9.64E-05	4.83E-05	4.67E-05	9.51E-05
5113 480363.09, 3864377.25	0.00123	0.00119	1.93E-04	1.94E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.94E-05	1.00E-04	4.98E-05	4.82E-05	9.80E-05	4.91E-05	4.75E-05	9.67E-05
5114 480863.09, 3864377.25	0.00125	0.00122	1.96E-04	1.99E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.06E-05	1.02E-04	5.06E-05	4.94E-05	1.00E-04	4.99E-05	4.87E-05	9.87E-05
5115 481363.09, 3864377.25	0.00129	0.00125	2.02E-04	2.04E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.19E-05	1.05E-04	5.22E-05	5.06E-05	1.03E-04	5.15E-05	4.99E-05	1.01E-04
5116 481863.09, 3864377.25	0.00133	0.00128	2.08E-04	2.09E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.31E-05	1.08E-04	5.38E-05	5.18E-05	1.06E-04	5.31E-05	5.11E-05	1.04E-04
5117 482363.09, 3864377.25	0.00135	0.00131	2.11E-04	2.14E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.43E-05	1.10E-04	5.47E-05	5.30E-05	1.08E-04	5.39E-05	5.23E-05	1.06E-04
5118 482863.09, 3864377.25	0.00137	0.00134	2.15E-04	2.19E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.56E-05	1.12E-04	5.55E-05	5.42E-05	1.10E-04	5.47E-05	5.35E-05	1.08E-04
5119 483363.09, 3864377.25	0.0014	0.00137	2.19E-04	2.24E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	5.68E-05	1.15E-04	5.67E-05	5.55E-05	1.12E-04	5.59E-05	5.47E-05	1.11E-04
5120 483863.09, 3864377.25	0.00143	0.0014	2.24E-04	2.29E-04	2.11E-04	2.16E-04	2.04E-04	5.93E-05	5.81E-05	1.17E-04	5.79E-05	5.67E-05	1.15E-04	5.71E-05	5.59E-05	1.13E-04
5121 484363.09, 3864377.25	0.00146	0.00143	2.29E-04	2.33E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	5.93E-05	1.20E-04	5.91E-05	5.79E-05	1.17E-04	5.83E-05	5.71E-05	1.15E-04
5122 484863.09, 3864377.25	0.0015	0.00147	2.35E-04	2.40E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	6.10E-05	1.23E-04	6.07E-05	5.95E-05	1.20E-04	5.99E-05	5.87E-05	1.19E-04
5123 485363.09, 3864377.25	0.00154	0.00151	2.41E-04	2.46E-04	2.27E-04	2.33E-04	2.20E-04	6.39E-05	6.26E-05	1.27E-04	6.23E-05	6.11E-05	1.23E-04	6.15E-05	6.03E-05	1.22E-04
5124 485863.09, 3864377.25	0.00158	0.00155	2.48E-04	2.53E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.43E-05	1.30E-04	6.40E-05	6.28E-05	1.27E-04	6.31E-05	6.19E-05	1.25E-04
5125 486363.09, 3864377.25	0.00161	0.00159	2.52E-04	2.60E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.60E-05	1.33E-04	6.52E-05	6.44E-05	1.30E-04	6.43E-05	6.35E-05	1.28E-04
5126 486863.09, 3864377.25	0.00165	0.00163	2.58E-04	2.66E-04	2.44E-04	2.49E-04	2.35E-04	6.85E-05	6.76E-05	1.36E-04	6.68E-05	6.60E-05	1.33E-04	6.59E-05	6.51E-05	1.31E-04
5127 487363.09, 3864377.25	0.0017	0.00167	2.66E-04	2.73E-04	2.51E-04	2.57E-04	2.42E-04	7.05E-05	6.93E-05	1.40E-04	6.88E-05	6.76E-05	1.36E-04	6.79E-05	6.67E-05	1.35E-04
5128 487863.09, 3864377.25	0.00175	0.00172	2.74E-04	2.81E-04	2.58E-04	2.65E-04	2.50E-04	7.26E-05	7.14E-05	1.44E-04	7.08E-05	6.96E-05	1.40E-04	6.99E-05	6.87E-05	1.39E-04
5129 488363.09, 3864377.25	0.00181	0.00176	2.84E-04	2.87E-04	2.67E-04	2.74E-04	2.58E-04	7.51E-05	7.30E-05	1.48E-04	7.33E-05	7.13E-05	1.45E-04	7.23E-05	7.03E-05	1.43E-04
5130 488863.09, 3864377.25	0.00186	0.00181	2.91E-04	2.95E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.51E-05	1.52E-04	7.53E-05	7.33E-05	1.49E-04	7.43E-05	7.23E-05	1.47E-04
5131 489363.09, 3864377.25	0.00191	0.00185	2.99E-04	3.02E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	7.68E-05	1.56E-04	7.73E-05	7.49E-05	1.52E-04	7.63E-05	7.39E-05	1.50E-04
5132 489863.09, 3864377.25	0.00196	0.0019	3.07E-04	3.10E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	7.88E-05	1.60E-04	7.93E-05	7.69E-05	1.56E-04	7.83E-05	7.59E-05	1.54E-04
5133 490363.09, 3864377.25	0.00202	0.00195	3.16E-04	3.18E-04	2.98E-04	3.05E-04	2.88E-04	8.38E-05	8.09E-05	1.65E-04	8.18E-05	7.89E-05	1.61E-04	8.07E-05	7.79E-05	1.59E-04
5134 490863.09, 3864377.25	0.00206	0.00201	3.23E-04	3.28E-04	3.04E-04	3.11E-04	2.94E-04	8.55E-05	8.34E-05	1.69E-04	8.34E-05	8.14E-05	1.65E-04	8.23E-05	8.03E-05	1.63E-04
5135 491363.09, 3864377.25	0.00196	0.00193	3.07E-04	3.15E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	8.01E-05	1.61E-04	7.93E-05	7.81E-05	1.57E-04	7.83E-05	7.71E-05	1.55E-04
5136 491863.09, 3864377.25	0.00114	0.00121	1.79E-04	1.98E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	5.02E-05	9.75E-05	4.62E-05	4.90E-05	9.51E-05	4.55E-05	4.83E-05	9.39E-05
5137 492363.09, 3864377.25	0.00144	0.00151	2.26E-04	2.46E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	6.26E-05	1.22E-04	5.83E-05	6.11E-05	1.19E-04	5.75E-05	6.03E-05	1.18E-04
5138 492863.09, 3864377.25	0.00118	0.00126	1.85E-04	2.06E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	5.23E-05	1.01E-04	4.78E-05	5.10E-05	9.88E-05	4.71E-05	5.03E-05	9.75E-05
5139 493363.09, 3864377.25	0.00138	0.00139	2.16E-04	2.27E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.77E-05	1.15E-04	5.59E-05	5.63E-05	1.12E-04	5.51E-05	5.55E-05	1.11E-04
5140 493863.09, 3864377.25	0.00162	0.00155	2.54E-04	2.53E-04	2.39E-04	2.45E-04	2.31E-04	6.72E-05	6.43E-05	1.32E-04	6.56E-05	6.28E-05	1.28E-04	6.47E-05	6.19E-05	1.27E-04
5141 494363.09, 3864377.25	0.00178	0.00172	2.79E-04	2.81E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.14E-05	1.45E-04	7.21E-05	6.96E-05	1.42E-04	7.11E-05	6.87E-05	1.40E-04
5142 494863.09, 3864377.25	0.0019	0.0019	2.98E-04	3.10E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	7.88E-05	1.58E-04	7.69E-05	7.69E-05	1.54E-04	7.59E-05	7.59E-05	1.52E-04
5143 495363.09, 3864377.25	0.0019	0.00193	2.98E-04	3.15E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	8.01E-05	1.59E-04	7.69E-05	7.81E-05	1.55E-04	7.59E-05	7.71E-05	1.53E-04
5144 495863.09, 3864377.25	0.00192	0.00192	3.01E-04	3.13E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	7.97E-05	1.59E-04	7.77E-05	7.77E-05	1.55E-04	7.67E-05	7.67E-05	1.53E-04

5145 496363.09, 3864377.25	0.00203	0.002	3.18E-04	3.26E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.30E-05	1.67E-04	8.22E-05	8.10E-05	1.63E-04	8.11E-05	7.99E-05	1.61E-04
5146 496863.09, 3864377.25	0.00209	0.00205	3.27E-04	3.35E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.51E-05	1.72E-04	8.46E-05	8.30E-05	1.68E-04	8.35E-05	8.19E-05	1.65E-04
5147 497363.09, 3864377.25	0.00228	0.00223	3.57E-04	3.64E-04	3.36E-04	3.45E-04	3.25E-04	9.46E-05	9.25E-05	1.87E-04	9.23E-05	9.03E-05	1.83E-04	9.11E-05	8.91E-05	1.80E-04
5148 497863.09, 3864377.25	0.00231	0.00227	3.62E-04	3.71E-04	3.41E-04	3.49E-04	3.29E-04	9.58E-05	9.42E-05	1.90E-04	9.35E-05	9.19E-05	1.85E-04	9.23E-05	9.07E-05	1.83E-04
5149 498363.09, 3864377.25	0.00244	0.00241	3.82E-04	3.93E-04	3.60E-04	3.69E-04	3.48E-04	1.01E-04	1.00E-04	2.01E-04	9.88E-05	9.76E-05	1.96E-04	9.75E-05	9.63E-05	1.94E-04
5150 471363.09, 3864877.25	0.00087	0.00086	1.36E-04	1.40E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.57E-05	7.18E-05	3.52E-05	3.48E-05	7.00E-05	3.48E-05	3.44E-05	6.91E-05
5151 471863.09, 3864877.25	0.00089	0.00087	1.39E-04	1.42E-04	1.31E-04	1.35E-04	1.27E-04	3.69E-05	3.61E-05	7.30E-05	3.60E-05	3.52E-05	7.13E-05	3.56E-05	3.48E-05	7.03E-05
5152 472363.09, 3864877.25	0.0009	0.00088	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.28E-04	3.73E-05	3.65E-05	7.38E-05	3.64E-05	3.56E-05	7.21E-05	3.60E-05	3.52E-05	7.11E-05
5153 472863.09, 3864877.25	0.00092	0.0009	1.44E-04	1.47E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.73E-05	7.55E-05	3.72E-05	3.64E-05	7.37E-05	3.68E-05	3.60E-05	7.27E-05
5154 473363.09, 3864877.25	0.00093	0.00091	1.46E-04	1.49E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.78E-05	7.63E-05	3.77E-05	3.68E-05	7.45E-05	3.72E-05	3.64E-05	7.35E-05
5155 473863.09, 3864877.25	0.00095	0.00092	1.49E-04	1.50E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.82E-05	7.76E-05	3.85E-05	3.72E-05	7.57E-05	3.79E-05	3.68E-05	7.47E-05
5156 474363.09, 3864877.25	0.00096	0.00093	1.50E-04	1.52E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.86E-05	7.84E-05	3.89E-05	3.77E-05	7.65E-05	3.83E-05	3.72E-05	7.55E-05
5157 474863.09, 3864877.25	0.00097	0.00095	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.77E-05	3.87E-05	3.79E-05	7.67E-05
5158 475363.09, 3864877.25	0.00099	0.00096	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.83E-05	7.79E-05
5159 475863.09, 3864877.25	0.00101	0.00098	1.58E-04	1.60E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.07E-05	8.26E-05	4.09E-05	3.97E-05	8.06E-05	4.03E-05	3.91E-05	7.95E-05
5160 476363.09, 3864877.25	0.00103	0.00099	1.61E-04	1.62E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.11E-05	8.38E-05	4.17E-05	4.01E-05	8.18E-05	4.11E-05	3.95E-05	8.07E-05
5161 476863.09, 3864877.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
5162 477363.09, 3864877.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
5163 477863.09, 3864877.25	0.00108	0.00104	1.69E-04	1.70E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.31E-05	8.80E-05	4.37E-05	4.21E-05	8.58E-05	4.31E-05	4.15E-05	8.47E-05
5164 478363.09, 3864877.25	0.00109	0.00106	1.71E-04	1.73E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.40E-05	8.92E-05	4.41E-05	4.29E-05	8.70E-05	4.35E-05	4.23E-05	8.59E-05
5165 478863.09, 3864877.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
5166 479363.09, 3864877.25	0.00113	0.0011	1.77E-04	1.80E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.56E-05	9.25E-05	4.57E-05	4.45E-05	9.03E-05	4.51E-05	4.39E-05	8.91E-05
5167 479863.09, 3864877.25	0.00115	0.00112	1.80E-04	1.83E-04	1.70E-04	1.74E-04	1.64E-04	4.77E-05	4.65E-05	9.42E-05	4.66E-05	4.53E-05	9.19E-05	4.59E-05	4.47E-05	9.07E-05
5168 480363.09, 3864877.25	0.00117	0.00114	1.83E-04	1.86E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.73E-05	9.58E-05	4.74E-05	4.62E-05	9.35E-05	4.67E-05	4.55E-05	9.23E-05
5169 480863.09, 3864877.25	0.00119	0.00116	1.86E-04	1.89E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.81E-05	9.75E-05	4.82E-05	4.70E-05	9.51E-05	4.75E-05	4.63E-05	9.39E-05
5170 481363.09, 3864877.25	0.00123	0.00119	1.93E-04	1.94E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.94E-05	1.00E-04	4.98E-05	4.82E-05	9.80E-05	4.91E-05	4.75E-05	9.67E-05
5171 481863.09, 3864877.25	0.00126	0.00122	1.97E-04	1.99E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.06E-05	1.03E-04	5.10E-05	4.94E-05	1.00E-04	5.03E-05	4.87E-05	9.91E-05
5172 482363.09, 3864877.25	0.00128	0.00124	2.01E-04	2.02E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.14E-05	1.05E-04	5.18E-05	5.02E-05	1.02E-04	5.11E-05	4.95E-05	1.01E-04
5173 482863.09, 3864877.25	0.0013	0.00127	2.04E-04	2.07E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.27E-05	1.07E-04	5.26E-05	5.14E-05	1.04E-04	5.19E-05	5.07E-05	1.03E-04
5174 483363.09, 3864877.25	0.00133	0.00129	2.08E-04	2.11E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.35E-05	1.09E-04	5.38E-05	5.22E-05	1.06E-04	5.31E-05	5.15E-05	1.05E-04
5175 483863.09, 3864877.25	0.00135	0.00132	2.11E-04	2.15E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.48E-05	1.11E-04	5.47E-05	5.34E-05	1.08E-04	5.39E-05	5.27E-05	1.07E-04
5176 484363.09, 3864877.25	0.00137	0.00135	2.15E-04	2.20E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.60E-05	1.13E-04	5.55E-05	5.47E-05	1.10E-04	5.47E-05	5.39E-05	1.09E-04
5177 484863.09, 3864877.25	0.0014	0.00138	2.19E-04	2.25E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	5.73E-05	1.15E-04	5.67E-05	5.59E-05	1.13E-04	5.59E-05	5.51E-05	1.11E-04
5178 485363.09, 3864877.25	0.00144	0.00141	2.26E-04	2.30E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	5.85E-05	1.18E-04	5.83E-05	5.71E-05	1.15E-04	5.75E-05	5.63E-05	1.14E-04
5179 485863.09, 3864877.25	0.00146	0.00144	2.29E-04	2.35E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	5.97E-05	1.20E-04	5.91E-05	5.83E-05	1.17E-04	5.83E-05	5.75E-05	1.16E-04
5180 486363.09, 3864877.25	0.00148	0.00146	2.32E-04	2.38E-04	2.18E-04	2.24E-04	2.11E-04	6.14E-05	6.06E-05	1.22E-04	5.99E-05	5.91E-05	1.19E-04	5.91E-05	5.83E-05	1.17E-04
5181 486863.09, 3864877.25	0.0015	0.00149	2.35E-04	2.43E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	6.18E-05	1.24E-04	6.07E-05	6.03E-05	1.21E-04	5.99E-05	5.95E-05	1.19E-04
5182 487363.09, 3864877.25	0.00153	0.00152	2.40E-04	2.48E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.31E-05	1.27E-04	6.19E-05	6.15E-05	1.23E-04	6.11E-05	6.07E-05	1.22E-04
5183 487863.09, 3864877.25	0.00157	0.00155	2.46E-04	2.53E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.43E-05	1.29E-04	6.36E-05	6.28E-05	1.26E-04	6.27E-05	6.19E-05	1.25E-04
5184 488363.09, 3864877.25	0.00162	0.00159	2.54E-04	2.60E-04	2.39E-04	2.45E-04	2.31E-04	6.72E-05	6.60E-05	1.33E-04	6.56E-05	6.44E-05	1.30E-04	6.47E-05	6.35E-05	1.28E-04
5185 488863.09, 3864877.25	0.00166	0.00162	2.60E-04	2.64E-04	2.45E-04	2.51E-04	2.37E-04	6.89E-05	6.72E-05	1.36E-04	6.72E-05	6.56E-05	1.33E-04	6.63E-05	6.47E-05	1.31E-04
5186 489363.09, 3864877.25	0.0017	0.00164	2.66E-04	2.68E-04	2.51E-04	2.57E-04	2.42E-04	7.05E-05	6.80E-05	1.39E-04	6.88E-05	6.64E-05	1.35E-04	6.79E-05	6.55E-05	1.33E-04
5187 489863.09, 3864877.25	0.00173	0.00167	2.71E-04	2.73E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	6.93E-05	1.41E-04	7.00E-05	6.76E-05	1.38E-04	6.91E-05	6.67E-05	1.36E-04
5188 490363.09, 3864877.25	0.00177	0.00171	2.77E-04	2.79E-04	2.61E-04	2.68E-04	2.52E-04	7.34E-05	7.09E-05	1.44E-04	7.17E-05	6.92E-05	1.41E-04	7.07E-05	6.83E-05	1.39E-04
5189 490863.09, 3864877.25	0.00154	0.00147	2.41E-04	2.40E-04	2.27E-04	2.33E-04	2.20E-04	6.39E-05	6.10E-05	1.25E-04	6.23E-05	5.95E-05	1.22E-04	6.15E-05	5.87E-05	1.20E-04
5190 491363.09, 3864877.25	0.00173	0.0017	2.71E-04	2.77E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	7.05E-05	1.42E-04	7.00E-05	6.88E-05	1.39E-04	6.91E-05	6.79E-05	1.37E-04
5191 491863.09, 3864877.25	0.00149	0.00148	2.33E-04	2.42E-04	2.20E-04	2.25E-04	2.12E-04	6.18E-05	6.14E-05	1.23E-04	6.03E-05	5.99E-05	1.20E-04	5.95E-05	5.91E-05	1.19E-04
5192 492363.09, 3864877.25	0.00091	0.00096	1.43E-04	1.57E-04	1.34E-04	1.38E-04	1.30E-04	3.78E-05	3.98E-05	7.76E-05	3.68E-05	3.89E-05	7.57E-05	3.64E-05	3.83E-05	7.47E-05
5193 492863.09, 3864877.25	0.00097	0.00105	1.52E-04	1.71E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	4.36E-05	8.38E-05	3.93E-05	4.25E-05	8.18E-05	3.87E-05	4.19E-05	8.07E-05
5194 493363.09, 3864877.25	0.00096	0.001	1.50E-04	1.63E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	4.15E-05	8.13E-05	3.89E-05	4.05E-05	7.93E-05	3.83E-05	3.99E-05	7.83E-05
5195 493863.09, 3864877.25	0.00126	0.00127	1.97E-04	2.07E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.27E-05	1.05E-04	5.10E-05	5.14E-05	1.02E-04	5.03E-05	5.07E-05	1.01E-04
5196 494363.09, 3864877.25	0.00146	0.00141	2.29E-04	2.30E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	5.85E-05	1.19E-04	5.91E-05	5.71E-05	1.16E-04	5.83E-05	5.63E-05	1.15E-04
5197 494863.09, 3864877.25	0.00153	0.00147	2.40E-04	2.40E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.10E-05	1.24E-04	6.19E-05	5.95E-05	1.21E-04	6.11E-05	5.87E-05	1.20E-04
5198 495363.09, 3864877.25	0.00157	0.00156	2.46E-04	2.55E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.47E-05	1.30E-04	6.36E-05	6.32E-05	1.27E-04	6.27E-05	6.23E-05	1.25E-04
5199 495863.09, 3864877.25	0.00167	0.00168	2.62E-04	2.74E-04	2.46E-04	2.52E-04	2.38E-04	6.93E-05	6.97E-05	1.39E-04	6.76E-05	6.80E-05	1.36E-04	6.67E-05	6.71E-05	1.34E-04
5200 496363.09, 3864877.25	0.00158	0.0016	2.48E-04	2.61E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.64E-05	1.32E-04	6.40E-05	6.48E-05	1.29E-04	6.31E-05	6.39E-05	1.27E-04
5201 496863.09, 3864877.25	0.00162	0.0016	2.54E-04	2.61E-04	2.39E-04	2.45E-04	2.31E-04	6.72E-05	6.64E-05	1.34E-04	6.56E-05	6.48E-05	1.30E-04	6.47E-05	6.39E-05	1.29E-04
5202 497363.09, 3864877.25	0.00168	0.00164	2.63E-04	2.68E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.80E-05	1.38E-04	6.80E-05	6.64E-05	1.34E-04	6.71E-05	6.55E-05	1.33E-04
5203 497863.09, 3864877.25	0.00175	0.0017	2.74E-04	2.77E-04	2.58E-04	2.65E-04	2.50E-04	7.26E-05	7.05E-05	1.43E-04	7.08E-05	6.88E-05	1.40E-04	6.99E-05	6.79E-05	1.38E-04
5204 498363.09, 3864877.25	0.00189	0.00185	2.96E-04	3.02E-04	2.79E-04	2.86E-04	2.69E-04	7.84E-05	7.68E-05	1.55E-04	7.65E-05	7.49E-05	1.51E-04	7.55E-05	7.39E-05	1.49E-04
5205 471363.09, 3865377.25	0.00085	0.00083	1.33E-04	1.35E-04	1.25E-04	1.28E-04	1.21E-04	3.53E-05	3.44E-05	6.97E-05	3.44E-05	3.36E-05	6.80E-05	3.40E-05	3.32E-05	6.71E-05
5206 471863.09, 3865377.25	0.00086	0.00084	1.35E-04	1.37E-04	1.27E-04	1.30E-04	1.23E-04	3.57E-05	3.48E-05	7.05E-05	3.48E-05	3.40E-05	6.88E-05	3.44E-05	3.36E-05	6.79E-05
5207 472363.09, 3865377.25	0.00087	0.00085	1.36E-04	1.39E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.53E-05	7.14E-05	3.52E-05	3.44E-05	6.96E-05	3.48E-05	3.40E-05	6.87E-05
5208 472863.09, 3865377.25	0.00089	0.00087	1.39E-04	1.42E-04	1.31E-04	1.35E-04	1.27E-04	3.69E-05	3.61E-05	7.30E-05	3.60E-05	3.52E-05	7.13E-05	3.56E-05	3.48E-05	7.03E-05
5209 473363.09, 3865377.25	0.0009	0.00088	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.28E-04	3.73E-05	3.65E-05	7.38E-05	3.64E-05	3.56E-05	7.21E-05	3.60E-05	3.52E-05	7.11E-05
5210 473863.09, 3865377.25	0.00091	0.00089	1.43E-04	1.45E-04	1.34E-04	1.38E-04	1.30E-04	3.78E-05	3.69E-05	7.47E-05	3.68E-05	3.60E-05	7.29E-05	3.64E-05	3.56E-05	7.19E-05

5211 474363.09, 3865377.25	0.00093	0.0009	1.46E-04	1.47E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.73E-05	7.59E-05	3.77E-05	3.64E-05	7.41E-05	3.72E-05	3.60E-05	7.31E-05
5212 474863.09, 3865377.25	0.00094	0.00091	1.47E-04	1.49E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.78E-05	7.68E-05	3.81E-05	3.68E-05	7.49E-05	3.76E-05	3.64E-05	7.39E-05
5213 475363.09, 3865377.25	0.00096	0.00093	1.50E-04	1.52E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.86E-05	7.84E-05	3.89E-05	3.77E-05	7.65E-05	3.83E-05	3.72E-05	7.55E-05
5214 475863.09, 3865377.25	0.00097	0.00094	1.52E-04	1.53E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.90E-05	7.92E-05	3.93E-05	3.81E-05	7.73E-05	3.87E-05	3.76E-05	7.63E-05
5215 476363.09, 3865377.25	0.00099	0.00096	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.83E-05	7.79E-05
5216 476863.09, 3865377.25	0.00096	0.00095	1.50E-04	1.55E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.94E-05	7.92E-05	3.89E-05	3.85E-05	7.73E-05	3.83E-05	3.79E-05	7.63E-05
5217 477363.09, 3865377.25	0.00102	0.00099	1.60E-04	1.62E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.11E-05	8.34E-05	4.13E-05	4.01E-05	8.14E-05	4.07E-05	3.95E-05	8.03E-05
5218 477863.09, 3865377.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
5219 478363.09, 3865377.25	0.00105	0.00102	1.64E-04	1.66E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.23E-05	8.59E-05	4.25E-05	4.13E-05	8.38E-05	4.19E-05	4.07E-05	8.27E-05
5220 478863.09, 3865377.25	0.00107	0.00104	1.68E-04	1.70E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.31E-05	8.75E-05	4.33E-05	4.21E-05	8.54E-05	4.27E-05	4.15E-05	8.43E-05
5221 479363.09, 3865377.25	0.00108	0.00106	1.69E-04	1.73E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.40E-05	8.88E-05	4.37E-05	4.29E-05	8.66E-05	4.31E-05	4.23E-05	8.55E-05
5222 479863.09, 3865377.25	0.0011	0.00107	1.72E-04	1.75E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.44E-05	9.00E-05	4.45E-05	4.33E-05	8.79E-05	4.39E-05	4.27E-05	8.67E-05
5223 480363.09, 3865377.25	0.00112	0.00109	1.75E-04	1.78E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.52E-05	9.17E-05	4.53E-05	4.41E-05	8.95E-05	4.47E-05	4.35E-05	8.83E-05
5224 480863.09, 3865377.25	0.00114	0.00111	1.79E-04	1.81E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.61E-05	9.33E-05	4.62E-05	4.49E-05	9.11E-05	4.55E-05	4.43E-05	8.99E-05
5225 481363.09, 3865377.25	0.00117	0.00113	1.83E-04	1.84E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.69E-05	9.54E-05	4.74E-05	4.57E-05	9.31E-05	4.67E-05	4.51E-05	9.19E-05
5226 481863.09, 3865377.25	0.00119	0.00115	1.86E-04	1.88E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.77E-05	9.71E-05	4.82E-05	4.66E-05	9.47E-05	4.75E-05	4.59E-05	9.35E-05
5227 482363.09, 3865377.25	0.0012	0.00117	1.88E-04	1.91E-04	1.77E-04	1.81E-04	1.71E-04	4.98E-05	4.85E-05	9.83E-05	4.86E-05	4.74E-05	9.59E-05	4.79E-05	4.67E-05	9.47E-05
5228 482863.09, 3865377.25	0.00122	0.00119	1.91E-04	1.94E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	4.94E-05	1.00E-04	4.94E-05	4.82E-05	9.76E-05	4.87E-05	4.75E-05	9.63E-05
5229 483363.09, 3865377.25	0.00124	0.00121	1.94E-04	1.98E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.02E-05	1.02E-04	5.02E-05	4.90E-05	9.92E-05	4.95E-05	4.83E-05	9.79E-05
5230 483863.09, 3865377.25	0.00126	0.00123	1.97E-04	2.01E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.10E-05	1.03E-04	5.10E-05	4.98E-05	1.01E-04	5.03E-05	4.91E-05	9.95E-05
5231 484363.09, 3865377.25	0.00127	0.00125	1.99E-04	2.04E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.19E-05	1.05E-04	5.14E-05	5.06E-05	1.02E-04	5.07E-05	4.99E-05	1.01E-04
5232 484863.09, 3865377.25	0.0013	0.00128	2.04E-04	2.09E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.31E-05	1.07E-04	5.26E-05	5.18E-05	1.04E-04	5.19E-05	5.11E-05	1.03E-04
5233 485363.09, 3865377.25	0.00132	0.0013	2.07E-04	2.12E-04	1.95E-04	2.00E-04	1.88E-04	5.48E-05	5.39E-05	1.09E-04	5.34E-05	5.26E-05	1.06E-04	5.27E-05	5.19E-05	1.05E-04
5234 485863.09, 3865377.25	0.00135	0.00133	2.11E-04	2.17E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.52E-05	1.11E-04	5.47E-05	5.38E-05	1.08E-04	5.39E-05	5.31E-05	1.07E-04
5235 486363.09, 3865377.25	0.00136	0.00135	2.13E-04	2.20E-04	2.01E-04	2.06E-04	1.94E-04	5.64E-05	5.60E-05	1.12E-04	5.51E-05	5.47E-05	1.10E-04	5.43E-05	5.39E-05	1.08E-04
5236 486863.09, 3865377.25	0.00138	0.00136	2.16E-04	2.22E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.64E-05	1.14E-04	5.59E-05	5.51E-05	1.11E-04	5.51E-05	5.43E-05	1.09E-04
5237 487363.09, 3865377.25	0.0014	0.00138	2.19E-04	2.25E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	5.73E-05	1.15E-04	5.67E-05	5.59E-05	1.13E-04	5.59E-05	5.51E-05	1.11E-04
5238 487863.09, 3865377.25	0.00142	0.00141	2.22E-04	2.30E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	5.85E-05	1.17E-04	5.75E-05	5.71E-05	1.15E-04	5.67E-05	5.63E-05	1.13E-04
5239 488363.09, 3865377.25	0.00145	0.00143	2.27E-04	2.33E-04	2.14E-04	2.19E-04	2.07E-04	6.02E-05	5.93E-05	1.19E-04	5.87E-05	5.79E-05	1.17E-04	5.79E-05	5.71E-05	1.15E-04
5240 488863.09, 3865377.25	0.0015	0.00146	2.35E-04	2.38E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	6.06E-05	1.23E-04	6.07E-05	5.91E-05	1.20E-04	5.99E-05	5.83E-05	1.18E-04
5241 489363.09, 3865377.25	0.00154	0.0015	2.41E-04	2.45E-04	2.27E-04	2.33E-04	2.20E-04	6.39E-05	6.22E-05	1.26E-04	6.23E-05	6.07E-05	1.23E-04	6.15E-05	5.99E-05	1.21E-04
5242 489863.09, 3865377.25	0.00157	0.00152	2.46E-04	2.48E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.31E-05	1.28E-04	6.36E-05	6.15E-05	1.25E-04	6.27E-05	6.07E-05	1.23E-04
5243 490363.09, 3865377.25	0.00141	0.00137	2.21E-04	2.24E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.68E-05	1.15E-04	5.71E-05	5.55E-05	1.13E-04	5.63E-05	5.47E-05	1.11E-04
5244 490863.09, 3865377.25	0.00137	0.00131	2.15E-04	2.14E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.43E-05	1.11E-04	5.55E-05	5.30E-05	1.08E-04	5.47E-05	5.23E-05	1.07E-04
5245 491363.09, 3865377.25	0.00134	0.00129	2.10E-04	2.11E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.35E-05	1.09E-04	5.42E-05	5.22E-05	1.06E-04	5.35E-05	5.15E-05	1.05E-04
5246 491863.09, 3865377.25	0.00134	0.00132	2.10E-04	2.15E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.48E-05	1.10E-04	5.42E-05	5.34E-05	1.08E-04	5.35E-05	5.27E-05	1.06E-04
5247 492363.09, 3865377.25	0.00113	0.00116	1.77E-04	1.89E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.81E-05	9.50E-05	4.57E-05	4.70E-05	9.27E-05	4.51E-05	4.63E-05	9.15E-05
5248 492863.09, 3865377.25	0.00095	0.00102	1.49E-04	1.66E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	4.23E-05	8.17E-05	3.85E-05	4.13E-05	7.98E-05	3.79E-05	4.07E-05	7.87E-05
5249 493363.09, 3865377.25	0.00087	0.00093	1.36E-04	1.52E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.86E-05	7.47E-05	3.52E-05	3.77E-05	7.29E-05	3.48E-05	3.72E-05	7.19E-05
5250 493863.09, 3865377.25	0.00098	0.00103	1.54E-04	1.68E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	4.27E-05	8.34E-05	3.97E-05	4.17E-05	8.14E-05	3.91E-05	4.11E-05	8.03E-05
5251 494363.09, 3865377.25	0.00113	0.00114	1.77E-04	1.86E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.73E-05	9.42E-05	4.57E-05	4.62E-05	9.19E-05	4.51E-05	4.55E-05	9.07E-05
5252 494863.09, 3865377.25	0.00125	0.00121	1.96E-04	1.98E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.02E-05	1.02E-04	5.06E-05	4.90E-05	9.96E-05	4.99E-05	4.83E-05	9.83E-05
5253 495363.09, 3865377.25	0.00131	0.00125	2.05E-04	2.04E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.19E-05	1.06E-04	5.30E-05	5.06E-05	1.04E-04	5.23E-05	4.99E-05	1.02E-04
5254 495863.09, 3865377.25	0.00139	0.00138	2.18E-04	2.25E-04	2.05E-04	2.10E-04	1.98E-04	5.77E-05	5.73E-05	1.15E-04	5.63E-05	5.59E-05	1.12E-04	5.55E-05	5.51E-05	1.11E-04
5255 496363.09, 3865377.25	0.00129	0.00132	2.02E-04	2.15E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.48E-05	1.08E-04	5.22E-05	5.34E-05	1.06E-04	5.15E-05	5.27E-05	1.04E-04
5256 496863.09, 3865377.25	0.00125	0.00129	1.96E-04	2.11E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.35E-05	1.05E-04	5.06E-05	5.22E-05	1.03E-04	4.99E-05	5.15E-05	1.01E-04
5257 497363.09, 3865377.25	0.00138	0.00137	2.16E-04	2.24E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.68E-05	1.14E-04	5.59E-05	5.55E-05	1.11E-04	5.51E-05	5.47E-05	1.10E-04
5258 497863.09, 3865377.25	0.00142	0.00138	2.22E-04	2.25E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	5.73E-05	1.16E-04	5.75E-05	5.59E-05	1.13E-04	5.67E-05	5.51E-05	1.12E-04
5259 498363.09, 3865377.25	0.00139	0.00135	2.18E-04	2.20E-04	2.05E-04	2.10E-04	1.98E-04	5.77E-05	5.60E-05	1.14E-04	5.63E-05	5.47E-05	1.11E-04	5.55E-05	5.39E-05	1.09E-04
5260 471363.09, 3865877.25	0.00082	0.0008	1.28E-04	1.31E-04	1.21E-04	1.24E-04	1.17E-04	3.40E-05	3.32E-05	6.72E-05	3.32E-05	3.24E-05	6.56E-05	3.28E-05	3.20E-05	6.47E-05
5261 471863.09, 3865877.25	0.00084	0.00082	1.32E-04	1.34E-04	1.24E-04	1.27E-04	1.20E-04	3.48E-05	3.40E-05	6.89E-05	3.40E-05	3.32E-05	6.72E-05	3.36E-05	3.28E-05	6.63E-05
5262 472363.09, 3865877.25	0.00085	0.00083	1.33E-04	1.35E-04	1.25E-04	1.28E-04	1.21E-04	3.53E-05	3.44E-05	6.97E-05	3.44E-05	3.36E-05	6.80E-05	3.40E-05	3.32E-05	6.71E-05
5263 472863.09, 3865877.25	0.00086	0.00084	1.35E-04	1.37E-04	1.27E-04	1.30E-04	1.23E-04	3.57E-05	3.48E-05	7.05E-05	3.48E-05	3.40E-05	6.88E-05	3.44E-05	3.36E-05	6.79E-05
5264 473363.09, 3865877.25	0.00087	0.00085	1.36E-04	1.39E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.53E-05	7.14E-05	3.52E-05	3.44E-05	6.96E-05	3.48E-05	3.40E-05	6.87E-05
5265 473863.09, 3865877.25	0.00089	0.00086	1.39E-04	1.40E-04	1.31E-04	1.35E-04	1.27E-04	3.69E-05	3.57E-05	7.26E-05	3.60E-05	3.48E-05	7.08E-05	3.56E-05	3.44E-05	6.99E-05
5266 474363.09, 3865877.25	0.0009	0.00088	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.28E-04	3.73E-05	3.65E-05	7.38E-05	3.64E-05	3.56E-05	7.21E-05	3.60E-05	3.52E-05	7.11E-05
5267 474863.09, 3865877.25	0.00092	0.00089	1.44E-04	1.45E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.69E-05	7.51E-05	3.72E-05	3.60E-05	7.33E-05	3.68E-05	3.56E-05	7.23E-05
5268 475363.09, 3865877.25	0.00093	0.0009	1.46E-04	1.47E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.73E-05	7.59E-05	3.77E-05	3.64E-05	7.41E-05	3.72E-05	3.60E-05	7.31E-05
5269 475863.09, 3865877.25	0.00095	0.00092	1.49E-04	1.50E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.82E-05	7.76E-05	3.85E-05	3.72E-05	7.57E-05	3.79E-05	3.68E-05	7.47E-05
5270 476363.09, 3865877.25	0.00095	0.00093	1.49E-04	1.52E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.86E-05	7.80E-05	3.85E-05	3.77E-05	7.61E-05	3.79E-05	3.72E-05	7.51E-05
5271 476863.09, 3865877.25	0.00093	0.00092	1.46E-04	1.50E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.82E-05	7.68E-05	3.77E-05	3.72E-05	7.49E-05	3.72E-05	3.68E-05	7.39E-05
5272 477363.09, 3865877.25	0.00099	0.00096	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.83E-05	7.79E-05
5273 477863.09, 3865877.25	0.001	0.00098	1.57E-04	1.60E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.07E-05	8.21E-05	4.05E-05	3.97E-05	8.02E-05	3.99E-05	3.91E-05	7.91E-05
5274 478363.09, 3865877.25	0.00101	0.00099	1.58E-04	1.62E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.11E-05	8.30E-05	4.09E-05	4.01E-05	8.10E-05	4.03E-05	3.95E-05	7.99E-05
5275 478863.09, 3865877.25	0.00102	0.001	1.60E-04	1.63E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.15E-05	8.38E-05	4.13E-05	4.05E-05	8.18E-05	4.07E-05	3.99E-05	8.07E-05
5276 479363.09, 3865877.25	0.00103	0.00101	1.61E-04	1.65E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.19E-05	8.46E-05	4.17E-05	4.09E-05	8.26E-05	4.11E-05	4.03E-05	8.15E-05

5277 479863.09, 3865877.25	0.00104	0.00102	1.63E-04	1.66E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.23E-05	8.55E-05	4.21E-05	4.13E-05	8.34E-05	4.15E-05	4.07E-05	8.23E-05
5278 480363.09, 3865877.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
5279 480863.09, 3865877.25	0.00107	0.00105	1.68E-04	1.71E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.36E-05	8.80E-05	4.33E-05	4.25E-05	8.58E-05	4.27E-05	4.19E-05	8.47E-05
5280 481363.09, 3865877.25	0.0011	0.00107	1.72E-04	1.75E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.44E-05	9.00E-05	4.45E-05	4.33E-05	8.79E-05	4.39E-05	4.27E-05	8.67E-05
5281 481863.09, 3865877.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
5282 482363.09, 3865877.25	0.00112	0.0011	1.75E-04	1.80E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.56E-05	9.21E-05	4.53E-05	4.45E-05	8.99E-05	4.47E-05	4.39E-05	8.87E-05
5283 482863.09, 3865877.25	0.00114	0.00111	1.79E-04	1.81E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.61E-05	9.33E-05	4.62E-05	4.49E-05	9.11E-05	4.55E-05	4.43E-05	8.99E-05
5284 483363.09, 3865877.25	0.00116	0.00113	1.82E-04	1.84E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.69E-05	9.50E-05	4.70E-05	4.57E-05	9.27E-05	4.63E-05	4.51E-05	9.15E-05
5285 483863.09, 3865877.25	0.00117	0.00115	1.83E-04	1.88E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.77E-05	9.63E-05	4.74E-05	4.66E-05	9.39E-05	4.67E-05	4.59E-05	9.27E-05
5286 484363.09, 3865877.25	0.00119	0.00117	1.86E-04	1.91E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.85E-05	9.79E-05	4.82E-05	4.74E-05	9.55E-05	4.75E-05	4.67E-05	9.43E-05
5287 484863.09, 3865877.25	0.00121	0.00119	1.90E-04	1.94E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.94E-05	9.96E-05	4.90E-05	4.82E-05	9.72E-05	4.83E-05	4.75E-05	9.59E-05
5288 485363.09, 3865877.25	0.00122	0.00121	1.91E-04	1.98E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.02E-05	1.01E-04	4.94E-05	4.90E-05	9.84E-05	4.87E-05	4.83E-05	9.71E-05
5289 485863.09, 3865877.25	0.00124	0.00122	1.94E-04	1.99E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.06E-05	1.02E-04	5.02E-05	4.94E-05	9.96E-05	4.95E-05	4.87E-05	9.83E-05
5290 486363.09, 3865877.25	0.00125	0.00123	1.96E-04	2.01E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.10E-05	1.03E-04	5.06E-05	4.98E-05	1.00E-04	4.99E-05	4.91E-05	9.91E-05
5291 486863.09, 3865877.25	0.00126	0.00125	1.97E-04	2.04E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.19E-05	1.04E-04	5.10E-05	5.06E-05	1.02E-04	5.03E-05	4.99E-05	1.00E-04
5292 487363.09, 3865877.25	0.00128	0.00127	2.01E-04	2.07E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.27E-05	1.06E-04	5.18E-05	5.14E-05	1.03E-04	5.11E-05	5.07E-05	1.02E-04
5293 487863.09, 3865877.25	0.00131	0.0013	2.05E-04	2.12E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.39E-05	1.08E-04	5.30E-05	5.26E-05	1.06E-04	5.23E-05	5.19E-05	1.04E-04
5294 488363.09, 3865877.25	0.00134	0.00133	2.10E-04	2.17E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.52E-05	1.11E-04	5.42E-05	5.38E-05	1.08E-04	5.35E-05	5.31E-05	1.07E-04
5295 488863.09, 3865877.25	0.00138	0.00135	2.16E-04	2.20E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.60E-05	1.13E-04	5.59E-05	5.47E-05	1.11E-04	5.51E-05	5.39E-05	1.09E-04
5296 489363.09, 3865877.25	0.00141	0.00137	2.21E-04	2.24E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.68E-05	1.15E-04	5.71E-05	5.55E-05	1.13E-04	5.63E-05	5.47E-05	1.11E-04
5297 489863.09, 3865877.25	0.00142	0.00138	2.22E-04	2.25E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	5.73E-05	1.16E-04	5.75E-05	5.59E-05	1.13E-04	5.67E-05	5.51E-05	1.12E-04
5298 490363.09, 3865877.25	0.00137	0.00133	2.15E-04	2.17E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.52E-05	1.12E-04	5.55E-05	5.38E-05	1.09E-04	5.47E-05	5.31E-05	1.08E-04
5299 490863.09, 3865877.25	0.00128	0.00123	2.01E-04	2.01E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.10E-05	1.04E-04	5.18E-05	4.98E-05	1.02E-04	5.11E-05	4.91E-05	1.00E-04
5300 491363.09, 3865877.25	0.00119	0.00115	1.86E-04	1.88E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.77E-05	9.71E-05	4.82E-05	4.66E-05	9.47E-05	4.75E-05	4.59E-05	9.35E-05
5301 491863.09, 3865877.25	0.00119	0.00116	1.86E-04	1.89E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.81E-05	9.75E-05	4.82E-05	4.70E-05	9.51E-05	4.75E-05	4.63E-05	9.39E-05
5302 492363.09, 3865877.25	0.00112	0.00113	1.75E-04	1.84E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.69E-05	9.33E-05	4.53E-05	4.57E-05	9.11E-05	4.47E-05	4.51E-05	8.99E-05
5303 492863.09, 3865877.25	0.00092	0.00097	1.44E-04	1.58E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	4.02E-05	7.84E-05	3.72E-05	3.93E-05	7.65E-05	3.68E-05	3.87E-05	7.55E-05
5304 493363.09, 3865877.25	0.00088	0.00094	1.38E-04	1.53E-04	1.30E-04	1.33E-04	1.25E-04	3.65E-05	3.90E-05	7.55E-05	3.56E-05	3.81E-05	7.37E-05	3.52E-05	3.76E-05	7.27E-05
5305 493863.09, 3865877.25	0.00092	0.00098	1.44E-04	1.60E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	4.07E-05	7.88E-05	3.72E-05	3.97E-05	7.69E-05	3.68E-05	3.91E-05	7.59E-05
5306 494363.09, 3865877.25	0.00099	0.00104	1.55E-04	1.70E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	4.31E-05	8.42E-05	4.01E-05	4.21E-05	8.22E-05	3.95E-05	4.15E-05	8.11E-05
5307 494863.09, 3865877.25	0.00113	0.00114	1.77E-04	1.86E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.73E-05	9.42E-05	4.57E-05	4.62E-05	9.19E-05	4.51E-05	4.55E-05	9.07E-05
5308 495363.09, 3865877.25	0.00117	0.00113	1.83E-04	1.84E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.69E-05	9.54E-05	4.74E-05	4.57E-05	9.31E-05	4.67E-05	4.51E-05	9.19E-05
5309 495863.09, 3865877.25	0.00117	0.00112	1.83E-04	1.83E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.65E-05	9.50E-05	4.74E-05	4.53E-05	9.27E-05	4.67E-05	4.47E-05	9.15E-05
5310 496363.09, 3865877.25	0.00112	0.00111	1.75E-04	1.81E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.61E-05	9.25E-05	4.53E-05	4.49E-05	9.03E-05	4.47E-05	4.43E-05	8.91E-05
5311 496863.09, 3865877.25	0.00106	0.0011	1.66E-04	1.80E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.56E-05	8.96E-05	4.29E-05	4.45E-05	8.74E-05	4.23E-05	4.39E-05	8.63E-05
5312 497363.09, 3865877.25	0.00109	0.00113	1.71E-04	1.84E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.69E-05	9.21E-05	4.41E-05	4.57E-05	8.99E-05	4.35E-05	4.51E-05	8.87E-05
5313 497863.09, 3865877.25	0.00114	0.00116	1.79E-04	1.89E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.81E-05	9.54E-05	4.62E-05	4.70E-05	9.31E-05	4.55E-05	4.63E-05	9.19E-05
5314 498363.09, 3865877.25	0.00107	0.00105	1.68E-04	1.71E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.36E-05	8.80E-05	4.33E-05	4.25E-05	8.58E-05	4.27E-05	4.19E-05	8.47E-05
5315 471363.09, 3866377.25	0.0008	0.00079	1.25E-04	1.29E-04	1.18E-04	1.21E-04	1.14E-04	3.32E-05	3.28E-05	6.60E-05	3.24E-05	3.20E-05	6.44E-05	3.20E-05	3.16E-05	6.35E-05
5316 471863.09, 3866377.25	0.00081	0.0008	1.27E-04	1.31E-04	1.20E-04	1.22E-04	1.15E-04	3.36E-05	3.32E-05	6.68E-05	3.28E-05	3.24E-05	6.52E-05	3.24E-05	3.20E-05	6.43E-05
5317 472363.09, 3866377.25	0.00083	0.00081	1.30E-04	1.32E-04	1.22E-04	1.25E-04	1.18E-04	3.44E-05	3.36E-05	6.80E-05	3.36E-05	3.28E-05	6.64E-05	3.32E-05	3.24E-05	6.55E-05
5318 472863.09, 3866377.25	0.00084	0.00082	1.32E-04	1.34E-04	1.24E-04	1.27E-04	1.20E-04	3.48E-05	3.40E-05	6.89E-05	3.40E-05	3.32E-05	6.72E-05	3.36E-05	3.28E-05	6.63E-05
5319 473363.09, 3866377.25	0.00085	0.00083	1.33E-04	1.35E-04	1.25E-04	1.28E-04	1.21E-04	3.53E-05	3.44E-05	6.97E-05	3.44E-05	3.36E-05	6.80E-05	3.40E-05	3.32E-05	6.71E-05
5320 473863.09, 3866377.25	0.00087	0.00084	1.36E-04	1.37E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.48E-05	7.09E-05	3.52E-05	3.40E-05	6.92E-05	3.48E-05	3.36E-05	6.83E-05
5321 474363.09, 3866377.25	0.00088	0.00086	1.38E-04	1.40E-04	1.30E-04	1.33E-04	1.25E-04	3.65E-05	3.57E-05	7.22E-05	3.56E-05	3.48E-05	7.04E-05	3.52E-05	3.44E-05	6.95E-05
5322 474863.09, 3866377.25	0.00089	0.00087	1.39E-04	1.42E-04	1.31E-04	1.35E-04	1.27E-04	3.69E-05	3.61E-05	7.30E-05	3.60E-05	3.52E-05	7.13E-05	3.56E-05	3.48E-05	7.03E-05
5323 475363.09, 3866377.25	0.0009	0.00088	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.28E-04	3.73E-05	3.65E-05	7.38E-05	3.64E-05	3.56E-05	7.21E-05	3.60E-05	3.52E-05	7.11E-05
5324 475863.09, 3866377.25	0.00091	0.00089	1.43E-04	1.45E-04	1.34E-04	1.38E-04	1.30E-04	3.78E-05	3.69E-05	7.47E-05	3.68E-05	3.60E-05	7.29E-05	3.64E-05	3.56E-05	7.19E-05
5325 476363.09, 3866377.25	0.00092	0.0009	1.44E-04	1.47E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.73E-05	7.55E-05	3.72E-05	3.64E-05	7.37E-05	3.68E-05	3.60E-05	7.27E-05
5326 476863.09, 3866377.25	0.00087	0.00087	1.36E-04	1.42E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.61E-05	7.22E-05	3.52E-05	3.52E-05	7.04E-05	3.48E-05	3.48E-05	6.95E-05
5327 477363.09, 3866377.25	0.00092	0.00091	1.44E-04	1.49E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.78E-05	7.59E-05	3.72E-05	3.68E-05	7.41E-05	3.68E-05	3.64E-05	7.31E-05
5328 477863.09, 3866377.25	0.00096	0.00093	1.50E-04	1.52E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.86E-05	7.84E-05	3.89E-05	3.77E-05	7.65E-05	3.83E-05	3.72E-05	7.55E-05
5329 478363.09, 3866377.25	0.00096	0.00094	1.50E-04	1.53E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.90E-05	7.88E-05	3.89E-05	3.81E-05	7.69E-05	3.83E-05	3.76E-05	7.59E-05
5330 478863.09, 3866377.25	0.00097	0.00095	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.77E-05	3.87E-05	3.79E-05	7.67E-05
5331 479363.09, 3866377.25	0.00098	0.00096	1.54E-04	1.57E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	3.98E-05	8.05E-05	3.97E-05	3.89E-05	7.85E-05	3.91E-05	3.83E-05	7.75E-05
5332 479863.09, 3866377.25	0.00099	0.00097	1.55E-04	1.58E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	4.02E-05	8.13E-05	4.01E-05	3.93E-05	7.93E-05	3.95E-05	3.87E-05	7.83E-05
5333 480363.09, 3866377.25	0.001	0.00098	1.57E-04	1.60E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.07E-05	8.21E-05	4.05E-05	3.97E-05	8.02E-05	3.99E-05	3.91E-05	7.91E-05
5334 480863.09, 3866377.25	0.00102	0.00099	1.60E-04	1.62E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.11E-05	8.34E-05	4.13E-05	4.01E-05	8.14E-05	4.07E-05	3.95E-05	8.03E-05
5335 481363.09, 3866377.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
5336 481863.09, 3866377.25	0.00105	0.00102	1.64E-04	1.66E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.23E-05	8.59E-05	4.25E-05	4.13E-05	8.38E-05	4.19E-05	4.07E-05	8.27E-05
5337 482363.09, 3866377.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
5338 482863.09, 3866377.25	0.00107	0.00105	1.68E-04	1.71E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.36E-05	8.80E-05	4.33E-05	4.25E-05	8.58E-05	4.27E-05	4.19E-05	8.47E-05
5339 483363.09, 3866377.25	0.00108	0.00106	1.69E-04	1.73E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.40E-05	8.88E-05	4.37E-05	4.29E-05	8.66E-05	4.31E-05	4.23E-05	8.55E-05
5340 483863.09, 3866377.25	0.0011	0.00108	1.72E-04	1.76E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.48E-05	9.04E-05	4.45E-05	4.37E-05	8.83E-05	4.39E-05	4.31E-05	8.71E-05
5341 484363.09, 3866377.25	0.0011	0.00109	1.72E-04	1.78E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.52E-05	9.09E-05	4.45E-05	4.41E-05	8.87E-05	4.39E-05	4.35E-05	8.75E-05
5342 484863.09, 3866377.25	0.00112	0.0011	1.75E-04	1.80E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.56E-05	9.21E-05	4.53E-05	4.45E-05	8.99E-05	4.47E-05	4.39E-05	8.87E-05

5343 485363.09, 3866377.25	0.00113	0.00112	1.77E-04	1.83E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.65E-05	9.33E-05	4.57E-05	4.53E-05	9.11E-05	4.51E-05	4.47E-05	8.99E-05
5344 485863.09, 3866377.25	0.00115	0.00114	1.80E-04	1.86E-04	1.70E-04	1.74E-04	1.64E-04	4.77E-05	4.73E-05	9.50E-05	4.66E-05	4.62E-05	9.27E-05	4.59E-05	4.55E-05	9.15E-05
5345 486363.09, 3866377.25	0.00117	0.00116	1.83E-04	1.89E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.81E-05	9.67E-05	4.74E-05	4.70E-05	9.43E-05	4.67E-05	4.63E-05	9.31E-05
5346 486863.09, 3866377.25	0.00119	0.00118	1.86E-04	1.93E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.90E-05	9.83E-05	4.82E-05	4.78E-05	9.59E-05	4.75E-05	4.71E-05	9.47E-05
5347 487363.09, 3866377.25	0.00121	0.0012	1.90E-04	1.96E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.98E-05	1.00E-04	4.90E-05	4.86E-05	9.76E-05	4.83E-05	4.79E-05	9.63E-05
5348 487863.09, 3866377.25	0.00121	0.0012	1.90E-04	1.96E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.98E-05	1.00E-04	4.90E-05	4.86E-05	9.76E-05	4.83E-05	4.79E-05	9.63E-05
5349 488363.09, 3866377.25	0.00123	0.00122	1.93E-04	1.99E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.06E-05	1.02E-04	4.98E-05	4.94E-05	9.92E-05	4.91E-05	4.87E-05	9.79E-05
5350 488863.09, 3866377.25	0.00119	0.00118	1.86E-04	1.93E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.90E-05	9.83E-05	4.82E-05	4.78E-05	9.59E-05	4.75E-05	4.71E-05	9.47E-05
5351 489363.09, 3866377.25	0.00116	0.00115	1.82E-04	1.88E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.77E-05	9.58E-05	4.70E-05	4.66E-05	9.35E-05	4.63E-05	4.59E-05	9.23E-05
5352 489863.09, 3866377.25	0.00111	0.00109	1.74E-04	1.78E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.52E-05	9.13E-05	4.49E-05	4.41E-05	8.91E-05	4.43E-05	4.35E-05	8.79E-05
5353 490363.09, 3866377.25	0.00125	0.00121	1.96E-04	1.98E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.02E-05	1.02E-04	5.06E-05	4.90E-05	9.96E-05	4.99E-05	4.83E-05	9.83E-05
5354 490863.09, 3866377.25	0.00128	0.00124	2.01E-04	2.02E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.14E-05	1.05E-04	5.18E-05	5.02E-05	1.02E-04	5.11E-05	4.95E-05	1.01E-04
5355 491363.09, 3866377.25	0.00123	0.00118	1.93E-04	1.93E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.90E-05	1.00E-04	4.98E-05	4.78E-05	9.76E-05	4.91E-05	4.71E-05	9.63E-05
5356 491863.09, 3866377.25	0.00102	0.001	1.60E-04	1.63E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.15E-05	8.38E-05	4.13E-05	4.05E-05	8.18E-05	4.07E-05	3.99E-05	8.07E-05
5357 492363.09, 3866377.25	0.00103	0.00102	1.61E-04	1.66E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.23E-05	8.51E-05	4.17E-05	4.13E-05	8.30E-05	4.11E-05	4.07E-05	8.19E-05
5358 492863.09, 3866377.25	0.00094	0.00096	1.47E-04	1.57E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.98E-05	7.88E-05	3.81E-05	3.89E-05	7.69E-05	3.76E-05	3.83E-05	7.59E-05
5359 493363.09, 3866377.25	0.00093	0.00096	1.46E-04	1.57E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.98E-05	7.84E-05	3.77E-05	3.89E-05	7.65E-05	3.72E-05	3.83E-05	7.55E-05
5360 493863.09, 3866377.25	0.00094	0.00098	1.47E-04	1.60E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	4.07E-05	7.97E-05	3.81E-05	3.97E-05	7.77E-05	3.76E-05	3.91E-05	7.67E-05
5361 494363.09, 3866377.25	0.00099	0.00104	1.55E-04	1.70E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	4.31E-05	8.42E-05	4.01E-05	4.21E-05	8.22E-05	3.95E-05	4.15E-05	8.11E-05
5362 494863.09, 3866377.25	0.00098	0.00102	1.54E-04	1.66E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	4.23E-05	8.30E-05	3.97E-05	4.13E-05	8.10E-05	3.91E-05	4.07E-05	7.99E-05
5363 495363.09, 3866377.25	0.00096	0.00096	1.50E-04	1.57E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.98E-05	7.97E-05	3.89E-05	3.89E-05	7.77E-05	3.83E-05	3.83E-05	7.67E-05
5364 495863.09, 3866377.25	0.00096	0.00092	1.50E-04	1.50E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.82E-05	7.80E-05	3.89E-05	3.72E-05	7.61E-05	3.83E-05	3.68E-05	7.51E-05
5365 496363.09, 3866377.25	0.00097	0.00091	1.52E-04	1.49E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.78E-05	7.80E-05	3.93E-05	3.68E-05	7.61E-05	3.87E-05	3.64E-05	7.51E-05
5366 496863.09, 3866377.25	0.00094	0.00092	1.47E-04	1.50E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.82E-05	7.72E-05	3.81E-05	3.72E-05	7.53E-05	3.76E-05	3.68E-05	7.43E-05
5367 497363.09, 3866377.25	0.00093	0.00097	1.46E-04	1.58E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	4.02E-05	7.88E-05	3.77E-05	3.93E-05	7.69E-05	3.72E-05	3.87E-05	7.59E-05
5368 497863.09, 3866377.25	0.00094	0.00099	1.47E-04	1.62E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	4.11E-05	8.01E-05	3.81E-05	4.01E-05	7.81E-05	3.76E-05	3.95E-05	7.71E-05
5369 498363.09, 3866377.25	0.00087	0.00089	1.36E-04	1.45E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.69E-05	7.30E-05	3.52E-05	3.60E-05	7.13E-05	3.48E-05	3.56E-05	7.03E-05
5370 474494.92, 3848334.16	0.34236	0.34514	5.36E-02	5.63E-02	5.05E-02	5.18E-02	4.88E-02	1.42E-02	1.43E-02	2.85E-02	1.39E-02	1.40E-02	2.78E-02	1.37E-02	1.38E-02	2.75E-02
5371 475167.27, 3848920.79	0.40479	0.40716	6.34E-02	6.65E-02	5.97E-02	6.12E-02	5.77E-02	1.68E-02	1.69E-02	3.37E-02	1.64E-02	1.65E-02	3.29E-02	1.62E-02	1.63E-02	3.24E-02
5372 475297.89, 3848997.96	0.31388	0.31794	4.92E-02	5.19E-02	4.63E-02	4.74E-02	4.48E-02	1.30E-02	1.32E-02	2.62E-02	1.27E-02	1.29E-02	2.56E-02	1.25E-02	1.27E-02	2.52E-02
5373 475439.05, 3849062	0.36494	0.36946	5.72E-02	6.03E-02	5.39E-02	5.52E-02	5.20E-02	1.51E-02	1.53E-02	3.05E-02	1.48E-02	1.50E-02	2.97E-02	1.46E-02	1.48E-02	2.93E-02
5374 475486.86, 3849061.09	0.2694	0.27239	4.22E-02	4.45E-02	3.98E-02	4.07E-02	3.84E-02	1.12E-02	1.13E-02	2.25E-02	1.09E-02	1.10E-02	2.19E-02	1.08E-02	1.09E-02	2.16E-02
5375 475538.46, 3849075.56	0.2734	0.27625	4.28E-02	4.51E-02	4.04E-02	4.13E-02	3.90E-02	1.13E-02	1.15E-02	2.28E-02	1.11E-02	1.12E-02	2.23E-02	1.09E-02	1.10E-02	2.20E-02
5376 475751.79, 3849137.15	0.40124	0.40836	6.29E-02	6.67E-02	5.92E-02	6.07E-02	5.72E-02	1.66E-02	1.69E-02	3.36E-02	1.62E-02	1.65E-02	3.28E-02	1.60E-02	1.63E-02	3.23E-02
5377 476303.62, 3849223.38	0.36593	0.36812	5.73E-02	6.01E-02	5.40E-02	5.53E-02	5.22E-02	1.52E-02	1.53E-02	3.05E-02	1.48E-02	1.49E-02	2.97E-02	1.46E-02	1.47E-02	2.93E-02
5378 476304.51, 3849238.92	0.50774	0.51121	7.95E-02	8.34E-02	7.49E-02	7.68E-02	7.24E-02	2.11E-02	2.12E-02	4.23E-02	2.06E-02	2.07E-02	4.13E-02	2.03E-02	2.04E-02	4.07E-02
5379 476365.04, 3849247.98	0.45273	0.4578	7.09E-02	7.47E-02	6.68E-02	6.84E-02	6.46E-02	1.88E-02	1.90E-02	3.78E-02	1.83E-02	1.85E-02	3.69E-02	1.81E-02	1.83E-02	3.64E-02
5380 476444.86, 3849267.13	0.45396	0.46186	7.11E-02	7.54E-02	6.70E-02	6.86E-02	6.47E-02	1.88E-02	1.92E-02	3.80E-02	1.84E-02	1.87E-02	3.71E-02	1.81E-02	1.84E-02	3.66E-02
5381 476550.75, 3849300.66	0.53983	0.55589	8.46E-02	9.07E-02	7.97E-02	8.16E-02	7.70E-02	2.24E-02	2.31E-02	4.55E-02	2.19E-02	2.25E-02	4.44E-02	2.16E-02	2.22E-02	4.38E-02
5382 476656.71, 3849346.88	0.46667	0.47603	7.31E-02	7.77E-02	6.89E-02	7.05E-02	6.65E-02	1.94E-02	1.97E-02	3.91E-02	1.89E-02	1.93E-02	3.82E-02	1.86E-02	1.90E-02	3.77E-02
5383 476873.55, 3849454.53	0.46689	0.47272	7.31E-02	7.72E-02	6.89E-02	7.06E-02	6.66E-02	1.94E-02	1.96E-02	3.90E-02	1.89E-02	1.91E-02	3.80E-02	1.87E-02	1.89E-02	3.75E-02
5384 477700, 3849859.7	0.46082	0.45599	7.22E-02	7.44E-02	6.80E-02	6.97E-02	6.57E-02	1.91E-02	1.89E-02	3.80E-02	1.87E-02	1.85E-02	3.71E-02	1.84E-02	1.82E-02	3.66E-02
5385 477743.16, 3849856.38	0.32683	0.32387	5.12E-02	5.29E-02	4.82E-02	4.94E-02	4.66E-02	1.36E-02	1.34E-02	2.70E-02	1.32E-02	1.31E-02	2.63E-02	1.31E-02	1.29E-02	2.60E-02
5386 478477.35, 3850216.33	0.34193	0.33226	5.36E-02	5.42E-02	5.05E-02	5.17E-02	4.88E-02	1.42E-02	1.38E-02	2.80E-02	1.38E-02	1.35E-02	2.73E-02	1.37E-02	1.33E-02	2.69E-02
5387 478485.8, 3850201.6	0.26301	0.25709	4.12E-02	4.20E-02	3.88E-02	3.98E-02	3.75E-02	1.09E-02	1.07E-02	2.16E-02	1.06E-02	1.04E-02	2.11E-02	1.05E-02	1.03E-02	2.08E-02
5388 479113.21, 3850501.53	0.24237	0.23515	3.80E-02	3.84E-02	3.58E-02	3.66E-02	3.46E-02	1.01E-02	9.76E-03	1.98E-02	9.81E-03	9.52E-03	1.93E-02	9.68E-03	9.39E-03	1.91E-02
5389 479108.11, 3850382.28	0.09713	0.09625	1.52E-02	1.57E-02	1.43E-02	1.47E-02	1.38E-02	4.03E-03	3.99E-03	8.02E-03	3.93E-03	3.90E-03	7.83E-03	3.88E-03	3.84E-03	7.72E-03
5390 479689.85, 3850674.28	0.1011	0.09947	1.58E-02	1.62E-02	1.49E-02	1.53E-02	1.44E-02	4.19E-03	4.13E-03	8.32E-03	4.09E-03	4.03E-03	8.12E-03	4.04E-03	3.97E-03	8.01E-03
5391 479952.42, 3850774.28	0.08754	0.08641	1.37E-02	1.41E-02	1.29E-02	1.32E-02	1.25E-02	3.63E-03	3.58E-03	7.22E-03	3.54E-03	3.50E-03	7.04E-03	3.50E-03	3.45E-03	6.95E-03
5392 479911.32, 3850884.85	0.22809	0.21955	3.57E-02	3.58E-02	3.37E-02	3.45E-02	3.25E-02	9.46E-03	9.11E-03	1.86E-02	9.23E-03	8.89E-03	1.81E-02	9.11E-03	8.77E-03	1.79E-02
5393 480500.92, 3851178.12	0.23404	0.23317	3.67E-02	3.81E-02	3.45E-02	3.54E-02	3.34E-02	9.71E-03	9.67E-03	1.94E-02	9.47E-03	9.44E-03	1.89E-02	9.35E-03	9.31E-03	1.87E-02
5394 480738.01, 3851289.27	0.21944	0.22164	3.44E-02	3.62E-02	3.24E-02	3.32E-02	3.13E-02	9.10E-03	9.20E-03	1.83E-02	8.88E-03	8.97E-03	1.79E-02	8.77E-03	8.85E-03	1.76E-02
5395 481055.42, 3851443.58	0.21208	0.21767	3.32E-02	3.55E-02	3.13E-02	3.21E-02	3.02E-02	8.80E-03	9.03E-03	1.78E-02	8.59E-03	8.81E-03	1.74E-02	8.47E-03	8.70E-03	1.72E-02
5396 481110.22, 3851443.15	0.16041	0.16414	2.51E-02	2.68E-02	2.37E-02	2.42E-02	2.29E-02	6.66E-03	6.81E-03	1.35E-02	6.49E-03	6.65E-03	1.31E-02	6.41E-03	6.56E-03	1.30E-02
5397 481111.1, 3851417.45	0.13038	0.13301	2.04E-02	2.17E-02	1.92E-02	1.97E-02	1.86E-02	5.41E-03	5.52E-03	1.09E-02	5.28E-03	5.38E-03	1.07E-02	5.21E-03	5.31E-03	1.05E-02
5398 482248.44, 3852605.09	0.24637	0.24666	3.86E-02	4.03E-02	3.64E-02	3.72E-02	3.51E-02	1.02E-02	1.02E-02	2.05E-02	9.97E-03	9.99E-03	2.00E-02	9.84E-03	9.85E-03	1.97E-02
5399 482273.34, 3852632.31	0.25155	0.25161	3.94E-02	4.11E-02	3.71E-02	3.80E-02	3.59E-02	1.04E-02	1.04E-02	2.09E-02	1.02E-02	1.02E-02	2.04E-02	1.00E-02	1.01E-02	2.01E-02
5400 482665.46, 3853038.72	0.19911	0.20345	3.12E-02	3.32E-02	2.94E-02	3.01E-02	2.84E-02	8.26E-03	8.44E-03	1.67E-02	8.06E-03	8.24E-03	1.63E-02	7.95E-03	8.13E-03	1.61E-02
5401 483077.95, 3853844.31	0.06217	0.1271	9.74E-03	2.07E-02	9.18E-03	9.40E-03	8.86E-03	2.58E-03	5.27E-03	7.85E-03	2.52E-03	5.15E-03	7.66E-03	2.48E-03	5.08E-03	7.56E-03
5402 483121.38, 3853909.38	0.05445	0.11748	8.53E-03	1.92E-02	8.04E-03	8.23E-03	7.76E-03	2.26E-03	4.87E-03	7.13E-03	2.20E-03	4.76E-03	6.96E-03	2.18E-03	4.69E-03	6.87E-03
5403 483492.64, 3853911.49	0.02506	0.04031	3.93E-03	6.58E-03	3.70E-03	3.79E-03	3.57E-03	1.04E-03	1.67E-03	2.71E-03	1.01E-03	1.63E-03	2.65E-03	1.00E-03	1.61E-03	2.61E-03
5404 483498.29, 3854204.73	0.02621	0.13125	4.11E-03	2.14E-02	3.87E-03	3.96E-03	3.74E-03	1.09E-03	5.45E-03	6.53E-03	1.06E-03	5.31E-03	6.37E-03	1.05E-03	5.24E-03	6.29E-03
5405 484132.44, 3854662.55	0.01434	0.24327	2.25E-03	3.97E-02	2.12E-03	2.17E-03	2.04E-03	5.95E-04	1.01E-02	1.07E-02	5.81E-04	9.85E-03	1.04E-02	5.73E-04	9.72E-03	1.03E-02
5406 484627.62, 3854876.13	0.01301	0.21469	2.04E-03	3.50E-02	1.92E-03	1.97E-03	1.86E-03	5.40E-04	8.91E-03	9.45E-03	5.27E-04	8.69E-03	9.22E-03	5.20E-04	8.58E-03	9.10E-03
5407 484756.14, 3854949.04	0.01306	0.21471	2.05E-03	3.50E-02	1.93E-03	1.97E-03	1.86E-03	5.42E-04	8.91E-03	9.45E-03	5.29E-04	8.69E-03	9.22E-03	5.22E-04	8.58E-03	9.10E-03
5408 486697.51, 3856599.17	0.01548	0.07693	2.42E-03	1.26E-02	2.28E-03	2.34E-03	2.21E-03	6.42E-04	3.19E-03	3.83E-03	6.27E-04	3.11E-03	3.74E-03	6.18E-04	3.07E-03	3.69E-03

5409 487105.31, 3856962.27	0.01736	0.07105	2.72E-03	1.16E-02	2.56E-03	2.62E-03	2.48E-03	7.20E-04	2.95E-03	3.67E-03	7.03E-04	2.88E-03	3.58E-03	6.93E-04	2.84E-03	3.53E-03
5410 487157.57, 3856901.7	0.01624	0.0533	2.54E-03	8.70E-03	2.40E-03	2.45E-03	2.32E-03	6.74E-04	2.21E-03	2.89E-03	6.57E-04	2.16E-03	2.82E-03	6.49E-04	2.13E-03	2.78E-03
5411 487173.5, 3856853.74	0.01562	0.04676	2.45E-03	7.63E-03	2.31E-03	2.36E-03	2.23E-03	6.48E-04	1.94E-03	2.59E-03	6.32E-04	1.89E-03	2.53E-03	6.24E-04	1.87E-03	2.49E-03
5412 487564.41, 3856860.83	0.01379	0.02808	2.16E-03	4.58E-03	2.04E-03	2.08E-03	1.97E-03	5.72E-04	1.16E-03	1.74E-03	5.58E-04	1.14E-03	1.70E-03	5.51E-04	1.12E-03	1.67E-03
5413 487563.31, 3856931.58	0.01442	0.03038	2.26E-03	4.96E-03	2.13E-03	2.18E-03	2.06E-03	5.98E-04	1.26E-03	1.86E-03	5.84E-04	1.23E-03	1.81E-03	5.76E-04	1.21E-03	1.79E-03
5414 487782.7, 3856926.85	0.01351	0.02447	2.12E-03	3.99E-03	1.99E-03	2.04E-03	1.93E-03	5.61E-04	1.02E-03	1.58E-03	5.47E-04	9.91E-04	1.54E-03	5.40E-04	9.78E-04	1.52E-03
5415 487782.39, 3856757.07	0.01231	0.02134	1.93E-03	3.48E-03	1.82E-03	1.86E-03	1.76E-03	5.11E-04	8.85E-04	1.40E-03	4.98E-04	8.64E-04	1.36E-03	4.92E-04	8.52E-04	1.34E-03
5416 487917.26, 3856752.41	0.01196	0.01945	1.87E-03	3.17E-03	1.77E-03	1.81E-03	1.71E-03	4.96E-04	8.07E-04	1.30E-03	4.84E-04	7.87E-04	1.27E-03	4.78E-04	7.77E-04	1.25E-03
5417 487919.57, 3856953.35	0.01326	0.02241	2.08E-03	3.66E-03	1.96E-03	2.00E-03	1.89E-03	5.50E-04	9.30E-04	1.48E-03	5.37E-04	9.07E-04	1.44E-03	5.30E-04	8.95E-04	1.42E-03
5418 487932.76, 3857000.32	0.01351	0.02306	2.12E-03	3.76E-03	1.99E-03	2.04E-03	1.93E-03	5.61E-04	9.57E-04	1.52E-03	5.47E-04	9.34E-04	1.48E-03	5.40E-04	9.21E-04	1.46E-03
5419 487960.5, 3857044.75	0.01373	0.02342	2.15E-03	3.82E-03	2.03E-03	2.08E-03	1.96E-03	5.70E-04	9.72E-04	1.54E-03	5.56E-04	9.48E-04	1.50E-03	5.48E-04	9.36E-04	1.48E-03
5420 488016.54, 3857089.54	0.01385	0.02324	2.17E-03	3.79E-03	2.04E-03	2.09E-03	1.97E-03	5.75E-04	9.64E-04	1.54E-03	5.61E-04	9.41E-04	1.50E-03	5.53E-04	9.28E-04	1.48E-03
5421 488114.39, 3857165.47	0.01412	0.02293	2.21E-03	3.74E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	9.51E-04	1.54E-03	5.72E-04	9.28E-04	1.50E-03	5.64E-04	9.16E-04	1.48E-03
5422 488171.49, 3857234.24	0.01455	0.0232	2.28E-03	3.79E-03	2.15E-03	2.20E-03	2.07E-03	6.04E-04	9.63E-04	1.57E-03	5.89E-04	9.39E-04	1.53E-03	5.81E-04	9.27E-04	1.51E-03
5423 488193.16, 3857297.8	0.01516	0.02404	2.37E-03	3.92E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	9.97E-04	1.63E-03	6.14E-04	9.73E-04	1.59E-03	6.06E-04	9.60E-04	1.57E-03
5424 488189.27, 3857649.94	0.02041	0.03545	3.20E-03	5.79E-03	3.01E-03	3.09E-03	2.91E-03	8.47E-04	1.47E-03	2.32E-03	8.26E-04	1.44E-03	2.26E-03	8.15E-04	1.42E-03	2.23E-03
5425 488127.43, 3857732.32	0.02273	0.04438	3.56E-03	7.24E-03	3.35E-03	3.44E-03	3.24E-03	9.43E-04	1.84E-03	2.78E-03	9.20E-04	1.80E-03	2.72E-03	9.08E-04	1.77E-03	2.68E-03
5426 488149.93, 3857752.94	0.02294	0.04426	3.59E-03	7.22E-03	3.39E-03	3.47E-03	3.27E-03	9.52E-04	1.84E-03	2.79E-03	9.29E-04	1.79E-03	2.72E-03	9.16E-04	1.77E-03	2.68E-03
5427 488144.76, 3857758.71	0.02312	0.04512	3.62E-03	7.36E-03	3.41E-03	3.49E-03	3.30E-03	9.59E-04	1.87E-03	2.83E-03	9.36E-04	1.83E-03	2.76E-03	9.24E-04	1.80E-03	2.73E-03
5428 488335.58, 3857932.55	0.02595	0.04473	4.07E-03	7.30E-03	3.83E-03	3.92E-03	3.70E-03	1.08E-03	1.86E-03	2.93E-03	1.05E-03	1.81E-03	2.86E-03	1.04E-03	1.79E-03	2.82E-03
5429 488372.29, 3857943.79	0.02579	0.04295	4.04E-03	7.01E-03	3.81E-03	3.90E-03	3.68E-03	1.07E-03	1.78E-03	2.85E-03	1.04E-03	1.74E-03	2.78E-03	1.03E-03	1.72E-03	2.75E-03
5430 488828.64, 3857936.4	0.02024	0.02523	3.17E-03	4.12E-03	2.99E-03	3.06E-03	2.89E-03	8.40E-04	1.05E-03	1.89E-03	8.19E-04	1.02E-03	1.84E-03	8.09E-04	1.01E-03	1.82E-03
5431 488829.08, 3857959.58	0.02067	0.02576	3.24E-03	4.20E-03	3.05E-03	3.12E-03	2.95E-03	8.58E-04	1.07E-03	1.93E-03	8.37E-04	1.04E-03	1.88E-03	8.26E-04	1.03E-03	1.85E-03
5432 488351.61, 3857964.55	0.02682	0.04618	4.20E-03	7.54E-03	3.96E-03	4.05E-03	3.82E-03	1.11E-03	1.92E-03	3.03E-03	1.09E-03	1.87E-03	2.96E-03	1.07E-03	1.84E-03	2.92E-03
5433 488316.87, 3857947.65	0.02675	0.04755	4.19E-03	7.76E-03	3.95E-03	4.04E-03	3.81E-03	1.11E-03	1.97E-03	3.08E-03	1.08E-03	1.93E-03	3.01E-03	1.07E-03	1.90E-03	2.97E-03
5434 488129.1, 3857775.77	0.02373	0.0479	3.72E-03	7.82E-03	3.50E-03	3.59E-03	3.38E-03	9.85E-04	1.99E-03	2.97E-03	9.61E-04	1.94E-03	2.90E-03	9.48E-04	1.91E-03	2.86E-03
5435 488062.53, 3857846.13	0.02693	0.06522	4.22E-03	1.06E-02	3.97E-03	4.07E-03	3.84E-03	1.12E-03	2.71E-03	3.82E-03	1.09E-03	2.64E-03	3.73E-03	1.08E-03	2.61E-03	3.68E-03
5436 488330.41, 3858091.34	0.03248	0.06317	5.09E-03	1.03E-02	4.79E-03	4.91E-03	4.63E-03	1.35E-03	2.62E-03	3.97E-03	1.31E-03	2.56E-03	3.87E-03	1.30E-03	2.52E-03	3.82E-03
5437 488470.87, 3858174.45	0.03357	0.05666	5.26E-03	9.25E-03	4.95E-03	5.07E-03	4.79E-03	1.39E-03	2.35E-03	3.74E-03	1.36E-03	2.29E-03	3.65E-03	1.34E-03	2.26E-03	3.60E-03
5438 488568.9, 3858262.31	0.03665	0.05788	5.74E-03	9.45E-03	5.41E-03	5.54E-03	5.23E-03	1.52E-03	2.40E-03	3.92E-03	1.48E-03	2.34E-03	3.83E-03	1.46E-03	2.31E-03	3.78E-03
5439 488964.27, 3858025.71	0.02061	0.02445	3.23E-03	3.99E-03	3.04E-03	3.12E-03	2.94E-03	8.55E-04	1.01E-03	1.87E-03	8.34E-04	9.90E-04	1.82E-03	8.23E-04	9.77E-04	1.80E-03
5440 489147.25, 3857956.64	0.01781	0.02025	2.79E-03	3.31E-03	2.63E-03	2.69E-03	2.54E-03	7.39E-04	8.40E-04	1.58E-03	7.21E-04	8.20E-04	1.54E-03	7.11E-04	8.09E-04	1.52E-03
5441 489343.52, 3857932.45	0.01612	0.01774	2.53E-03	2.90E-03	2.38E-03	2.44E-03	2.30E-03	6.69E-04	7.36E-04	1.40E-03	6.53E-04	7.18E-04	1.37E-03	6.44E-04	7.09E-04	1.35E-03
5442 489866.19, 3857923.19	0.01342	0.0139	2.10E-03	2.27E-03	1.98E-03	2.03E-03	1.91E-03	5.57E-04	5.77E-04	1.13E-03	5.43E-04	5.63E-04	1.11E-03	5.36E-04	5.55E-04	1.09E-03
5443 489955.65, 3857902.27	0.01288	0.01328	2.02E-03	2.17E-03	1.90E-03	1.95E-03	1.84E-03	5.34E-04	5.51E-04	1.09E-03	5.21E-04	5.38E-04	1.06E-03	5.15E-04	5.30E-04	1.05E-03
5444 490079.44, 3857847.9	0.01223	0.01254	1.92E-03	2.05E-03	1.80E-03	1.85E-03	1.74E-03	5.07E-04	5.20E-04	1.03E-03	4.95E-04	5.08E-04	1.00E-03	4.89E-04	5.01E-04	9.89E-04
5445 490108.49, 3857934.13	0.01263	0.01281	1.98E-03	2.09E-03	1.86E-03	1.91E-03	1.80E-03	5.24E-04	5.31E-04	1.06E-03	5.11E-04	5.19E-04	1.03E-03	5.05E-04	5.12E-04	1.02E-03
5446 489884.48, 3858014.17	0.01406	0.01439	2.20E-03	2.35E-03	2.08E-03	2.13E-03	2.00E-03	5.83E-04	5.97E-04	1.18E-03	5.69E-04	5.83E-04	1.15E-03	5.62E-04	5.75E-04	1.14E-03
5447 489326.56, 3858025.86	0.01739	0.01899	2.72E-03	3.10E-03	2.57E-03	2.63E-03	2.48E-03	7.21E-04	7.88E-04	1.51E-03	7.04E-04	7.69E-04	1.47E-03	6.95E-04	7.59E-04	1.45E-03
5448 489130.38, 3858056.71	0.01942	0.02201	3.04E-03	3.59E-03	2.87E-03	2.94E-03	2.77E-03	8.06E-04	9.13E-04	1.72E-03	7.86E-04	8.91E-04	1.68E-03	7.76E-04	8.79E-04	1.66E-03
5449 488936.49, 3858143.93	0.02358	0.02822	3.69E-03	4.61E-03	3.48E-03	3.56E-03	3.36E-03	9.78E-04	1.17E-03	2.15E-03	9.55E-04	1.14E-03	2.10E-03	9.42E-04	1.13E-03	2.07E-03
5450 488638.08, 3858327.45	0.03858	0.05803	6.04E-03	9.47E-03	5.69E-03	5.83E-03	5.50E-03	1.60E-03	2.41E-03	4.01E-03	1.56E-03	2.35E-03	3.91E-03	1.54E-03	2.32E-03	3.86E-03
5451 488663.79, 3858349.57	0.03916	0.05773	6.13E-03	9.42E-03	5.78E-03	5.92E-03	5.58E-03	1.62E-03	2.40E-03	4.02E-03	1.59E-03	2.34E-03	3.92E-03	1.56E-03	2.31E-03	3.87E-03
5452 488694.56, 3858349.5	0.03792	0.054	5.94E-03	8.81E-03	5.60E-03	5.73E-03	5.41E-03	1.57E-03	2.24E-03	3.81E-03	1.54E-03	2.19E-03	3.72E-03	1.51E-03	2.16E-03	3.67E-03
5453 488694.35, 3858336.75	0.03705	0.05252	5.80E-03	8.57E-03	5.47E-03	5.60E-03	5.28E-03	1.54E-03	2.18E-03	3.72E-03	1.50E-03	2.13E-03	3.63E-03	1.48E-03	2.10E-03	3.58E-03
5454 488712.81, 3858336.38	0.03636	0.05059	5.70E-03	8.26E-03	5.37E-03	5.50E-03	5.18E-03	1.51E-03	2.10E-03	3.61E-03	1.47E-03	2.05E-03	3.52E-03	1.45E-03	2.02E-03	3.47E-03
5455 488713.23, 3858367.46	0.03847	0.05409	6.03E-03	8.83E-03	5.68E-03	5.82E-03	5.49E-03	1.60E-03	2.24E-03	3.84E-03	1.56E-03	2.19E-03	3.75E-03	1.54E-03	2.16E-03	3.70E-03
5456 488704.63, 3858384.05	0.04011	0.05729	6.28E-03	9.35E-03	5.92E-03	6.06E-03	5.72E-03	1.66E-03	2.38E-03	4.04E-03	1.62E-03	2.32E-03	3.94E-03	1.60E-03	2.29E-03	3.89E-03
5457 488604.15, 3858488.29	0.05913	0.11072	9.26E-03	1.81E-02	8.73E-03	8.94E-03	8.43E-03	2.45E-03	4.59E-03	7.05E-03	2.39E-03	4.48E-03	6.88E-03	2.36E-03	4.42E-03	6.78E-03
5458 488605.66, 3858550.47	0.07279	0.15535	1.14E-02	2.54E-02	1.07E-02	1.10E-02	1.04E-02	3.02E-03	6.45E-03	9.47E-03	2.95E-03	6.29E-03	9.24E-03	2.91E-03	6.21E-03	9.11E-03
5459 488692.68, 3858548.71	0.06145	0.10039	9.63E-03	1.64E-02	9.07E-03	9.29E-03	8.76E-03	2.55E-03	4.16E-03	6.71E-03	2.49E-03	4.06E-03	6.55E-03	2.45E-03	4.01E-03	6.47E-03
5460 488759.93, 3858461.81	0.04427	0.06121	6.93E-03	9.99E-03	6.53E-03	6.69E-03	6.31E-03	1.84E-03	2.54E-03	4.38E-03	1.79E-03	2.48E-03	4.27E-03	1.77E-03	2.45E-03	4.21E-03
5461 488816.57, 3858541.79	0.04972	0.06611	7.79E-03	1.08E-02	7.34E-03	7.52E-03	7.09E-03	2.06E-03	2.74E-03	4.81E-03	2.01E-03	2.68E-03	4.69E-03	1.99E-03	2.64E-03	4.63E-03
5462 488944.63, 3858656.77	0.05598	0.06708	8.77E-03	1.09E-02	8.26E-03	8.46E-03	7.98E-03	2.32E-03	2.78E-03	5.11E-03	2.27E-03	2.72E-03	4.98E-03	2.24E-03	2.68E-03	4.92E-03
5463 489134.91, 3858830.7	0.06977	0.07823	1.09E-02	1.28E-02	1.03E-02	1.05E-02	9.95E-03	2.89E-03	3.25E-03	6.14E-03	2.82E-03	3.17E-03	5.99E-03	2.79E-03	3.13E-03	5.91E-03
5464 489193.99, 3858886.05	0.07604	0.08337	1.19E-02	1.36E-02	1.12E-02	1.15E-02	1.08E-02	3.15E-03	3.46E-03	6.61E-03	3.08E-03	3.38E-03	6.45E-03	3.04E-03	3.33E-03	6.37E-03
5465 489295.2, 3858954.34	0.08015	0.08378	1.26E-02	1.37E-02	1.18E-02	1.21E-02	1.14E-02	3.33E-03	3.48E-03	6.80E-03	3.24E-03	3.39E-03	6.64E-03	3.20E-03	3.35E-03	6.55E-03
5466 489295.64, 3858992.74	0.09536	0.0999	1.49E-02	1.63E-02	1.41E-02	1.44E-02	1.36E-02	3.96E-03	4.14E-03	8.10E-03	3.86E-03	4.04E-03	7.90E-03	3.81E-03	3.99E-03	7.80E-03
5467 489183.74, 3858911.72	0.08671	0.09651	1.36E-02	1.58E-02	1.28E-02	1.31E-02	1.24E-02	3.60E-03	4.00E-03	7.60E-03	3.51E-03	3.91E-03	7.42E-03	3.46E-03	3.86E-03	7.32E-03
5468 488873.37, 3858625.59	0.05728	0.07303	8.97E-03	1.19E-02	8.45E-03	8.66E-03	8.17E-03	2.38E-03	3.03E-03	5.41E-03	2.32E-03	2.96E-03	5.28E-03	2.29E-03	2.92E-03	5.21E-03
5469 488842.84, 3858658.69	0.06722	0.09049	1.05E-02	1.48E-02	9.92E-03	1.02E-02	9.58E-03	2.79E-03	3.75E-03	6.54E-03	2.72E-03	3.66E-03	6.38E-03	2.69E-03	3.61E-03	6.30E-03
5470 488856.39, 3858670.93	0.06826	0.09072	1.07E-02	1.48E-02	1.01E-02	1.03E-02	9.73E-03	2.83E-03	3.76E-03	6.60E-03	2.76E-03	3.67E-03	6.44E-03	2.73E-03	3.62E-03	6.35E-03
5471 488805.7, 3858724.5	0.09593	0.14996	1.50E-02	2.45E-02	1.42E-02	1.45E-02	1.37E-02	3.98E-03	6.22E-03	1.02E-02	3.88E-03	6.07E-03	9.95E-03	3.83E-03	5.99E-03	9.82E-03
5472 488805.87, 3858804.16	0.15893	0.33746	2.49E-02	5.51E-02	2.35E-02	2.40E-02	2.27E-02	6.59E-03	1.40E-02	2.06E-02	6.43E-03	1.37E-02	2.01E-02	6.35E-03	1.35E-02	1.98E-02
5473 488995.78, 3858936.96	0.20524	0.3333	3.22E-02	5.44E-02	3.03E-02	3.10E-02	2.93E-02	8.51E-03	1.38E-02	2.23E-02	8.31E-03	1.35E-02	2.18E-02	8.20E-03	1.33E-02	2.15E-02
5474 489130.76, 3859017.38	0.21878	0.27843	3.43E-02	4.54E-02	3.23E-02	3.31E-02	3.12E-02	9.08E-03	1.16E-02	2.06E-02	8.86E-03	1.13E-02	2.01E-02	8.74E-03	1.11E-02	1.99E-02

5475 489130.92, 3859052.24	0.33718	0.43828	5.28E-02	7.15E-02	4.98E-02	5.10E-02	4.81E-02	1.40E-02	1.82E-02	3.22E-02	1.37E-02	1.77E-02	3.14E-02	1.35E-02	1.75E-02	3.10E-02
5476 489200.33, 3859090.6	0.33655	0.39783	5.27E-02	6.49E-02	4.97E-02	5.09E-02	4.80E-02	1.40E-02	1.65E-02	3.05E-02	1.36E-02	1.61E-02	2.97E-02	1.34E-02	1.59E-02	2.93E-02
5477 489296.07, 3859143.7	0.33565	0.3853	5.26E-02	6.29E-02	4.95E-02	5.07E-02	4.79E-02	1.39E-02	1.60E-02	2.99E-02	1.36E-02	1.56E-02	2.92E-02	1.34E-02	1.54E-02	2.88E-02
5478 489296.43, 3858954.74	0.08006	0.08364	1.25E-02	1.37E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.47E-03	6.79E-03	3.24E-03	3.39E-03	6.63E-03	3.20E-03	3.34E-03	6.54E-03
5479 489410.33, 3859033.19	0.0857	0.08667	1.34E-02	1.41E-02	1.26E-02	1.30E-02	1.22E-02	3.56E-03	3.60E-03	7.15E-03	3.47E-03	3.51E-03	6.98E-03	3.42E-03	3.46E-03	6.89E-03
5480 489371.37, 3859089.8	0.13144	0.13725	2.06E-02	2.24E-02	1.94E-02	1.99E-02	1.87E-02	5.45E-03	5.69E-03	1.11E-02	5.32E-03	5.56E-03	1.09E-02	5.25E-03	5.48E-03	1.07E-02
5481 489390.52, 3859102.82	0.13369	0.13946	2.09E-02	2.28E-02	1.97E-02	2.02E-02	1.91E-02	5.55E-03	5.79E-03	1.13E-02	5.41E-03	5.65E-03	1.11E-02	5.34E-03	5.57E-03	1.09E-02
5482 489382.3, 3859114.53	0.15048	0.15864	2.36E-02	2.59E-02	2.22E-02	2.27E-02	2.15E-02	6.24E-03	6.58E-03	1.28E-02	6.09E-03	6.42E-03	1.25E-02	6.01E-03	6.34E-03	1.23E-02
5483 489363.04, 3859102.45	0.14877	0.15715	2.33E-02	2.57E-02	2.20E-02	2.25E-02	2.12E-02	6.17E-03	6.52E-03	1.27E-02	6.02E-03	6.36E-03	1.24E-02	5.94E-03	6.28E-03	1.22E-02
5484 489337.52, 3859140.71	0.2425	0.26802	3.80E-02	4.37E-02	3.58E-02	3.67E-02	3.46E-02	1.01E-02	1.11E-02	2.12E-02	9.82E-03	1.09E-02	2.07E-02	9.69E-03	1.07E-02	2.04E-02
5485 489375.14, 3859164.55	0.2522	0.27604	3.95E-02	4.51E-02	3.72E-02	3.81E-02	3.60E-02	1.05E-02	1.15E-02	2.19E-02	1.02E-02	1.12E-02	2.14E-02	1.01E-02	1.10E-02	2.11E-02
5486 489409.3, 3859114.5	0.13496	0.14053	2.11E-02	2.29E-02	1.99E-02	2.04E-02	1.92E-02	5.60E-03	5.83E-03	1.14E-02	5.46E-03	5.69E-03	1.12E-02	5.39E-03	5.61E-03	1.10E-02
5487 489434.87, 3859131.81	0.13805	0.14344	2.16E-02	2.34E-02	2.04E-02	2.09E-02	1.97E-02	5.73E-03	5.95E-03	1.17E-02	5.59E-03	5.81E-03	1.14E-02	5.51E-03	5.73E-03	1.12E-02
5488 489471.87, 3859075.75	0.08906	0.08977	1.40E-02	1.47E-02	1.31E-02	1.35E-02	1.27E-02	3.69E-03	3.72E-03	7.42E-03	3.61E-03	3.63E-03	7.24E-03	3.56E-03	3.59E-03	7.14E-03
5489 489602.62, 3859164.69	0.09667	0.09694	1.51E-02	1.58E-02	1.43E-02	1.46E-02	1.38E-02	4.01E-03	4.02E-03	8.03E-03	3.91E-03	3.92E-03	7.84E-03	3.86E-03	3.87E-03	7.73E-03
5490 489558.29, 3859232.45	0.1794	0.18387	2.81E-02	3.00E-02	2.65E-02	2.71E-02	2.56E-02	7.44E-03	7.63E-03	1.51E-02	7.26E-03	7.44E-03	1.47E-02	7.17E-03	7.35E-03	1.45E-02
5491 489620.11, 3859273.56	0.19184	0.19613	3.01E-02	3.20E-02	2.83E-02	2.90E-02	2.74E-02	7.96E-03	8.14E-03	1.61E-02	7.77E-03	7.94E-03	1.57E-02	7.66E-03	7.83E-03	1.55E-02
5492 489666.06, 3859206.42	0.10028	0.10032	1.57E-02	1.64E-02	1.48E-02	1.52E-02	1.43E-02	4.16E-03	4.16E-03	8.32E-03	4.06E-03	4.06E-03	8.12E-03	4.01E-03	4.01E-03	8.01E-03
5493 489787.9, 3859285.65	0.10724	0.10773	1.68E-02	1.76E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	4.47E-03	8.92E-03	4.34E-03	4.36E-03	8.70E-03	4.28E-03	4.30E-03	8.59E-03
5494 489752.17, 3859343.13	0.18653	0.19097	2.92E-02	3.12E-02	2.75E-02	2.82E-02	2.66E-02	7.74E-03	7.92E-03	1.57E-02	7.55E-03	7.73E-03	1.53E-02	7.45E-03	7.63E-03	1.51E-02
5495 489814.94, 3859385.33	0.20084	0.20596	3.15E-02	3.36E-02	2.96E-02	3.04E-02	2.86E-02	8.33E-03	8.54E-03	1.69E-02	8.13E-03	8.34E-03	1.65E-02	8.02E-03	8.23E-03	1.63E-02
5496 489853.42, 3859330.74	0.11311	0.114	1.77E-02	1.86E-02	1.67E-02	1.71E-02	1.61E-02	4.69E-03	4.73E-03	9.42E-03	4.58E-03	4.62E-03	9.19E-03	4.52E-03	4.55E-03	9.07E-03
5497 489969.5, 3859401.91	0.11864	0.11983	1.86E-02	1.96E-02	1.75E-02	1.79E-02	1.69E-02	4.92E-03	4.97E-03	9.89E-03	4.80E-03	4.85E-03	9.65E-03	4.74E-03	4.79E-03	9.53E-03
5498 490166.91, 3859486.96	0.10837	0.10867	1.70E-02	1.77E-02	1.60E-02	1.64E-02	1.55E-02	4.50E-03	4.51E-03	9.00E-03	4.39E-03	4.40E-03	8.79E-03	4.33E-03	4.34E-03	8.67E-03
5499 490128.86, 3859571.46	0.27135	0.27062	4.25E-02	4.42E-02	4.00E-02	4.10E-02	3.87E-02	1.13E-02	1.12E-02	2.25E-02	1.10E-02	1.10E-02	2.19E-02	1.08E-02	1.08E-02	2.17E-02
5500 490186.65, 3859593.65	0.27341	0.27459	4.28E-02	4.48E-02	4.04E-02	4.13E-02	3.90E-02	1.13E-02	1.14E-02	2.27E-02	1.11E-02	1.11E-02	2.22E-02	1.09E-02	1.10E-02	2.19E-02
5501 490223.74, 3859517.48	0.11275	0.11276	1.77E-02	1.84E-02	1.66E-02	1.70E-02	1.61E-02	4.68E-03	4.68E-03	9.36E-03	4.56E-03	4.57E-03	9.13E-03	4.50E-03	4.50E-03	9.01E-03
5502 490846.34, 3859817.22	0.16404	0.17268	2.57E-02	2.82E-02	2.42E-02	2.48E-02	2.34E-02	6.81E-03	7.16E-03	1.40E-02	6.64E-03	6.99E-03	1.36E-02	6.55E-03	6.90E-03	1.35E-02
5503 490925.65, 3859844.59	0.15163	0.15946	2.38E-02	2.60E-02	2.24E-02	2.29E-02	2.16E-02	6.29E-03	6.62E-03	1.29E-02	6.14E-03	6.46E-03	1.26E-02	6.06E-03	6.37E-03	1.24E-02
5504 491159.29, 3859896.28	0.10636	0.10645	1.67E-02	1.74E-02	1.57E-02	1.61E-02	1.52E-02	4.41E-03	4.42E-03	8.83E-03	4.31E-03	4.31E-03	8.62E-03	4.25E-03	4.25E-03	8.50E-03
5505 491370.69, 3859960.89	0.08122	0.08066	1.27E-02	1.32E-02	1.20E-02	1.23E-02	1.16E-02	3.37E-03	3.35E-03	6.72E-03	3.29E-03	3.27E-03	6.55E-03	3.24E-03	3.22E-03	6.47E-03
5506 491330.28, 3860063.17	0.15149	0.14795	2.37E-02	2.41E-02	2.24E-02	2.29E-02	2.16E-02	6.28E-03	6.14E-03	1.24E-02	6.13E-03	5.99E-03	1.21E-02	6.05E-03	5.91E-03	1.20E-02
5507 491636.45, 3860180.75	0.08132	0.08293	1.27E-02	1.35E-02	1.20E-02	1.23E-02	1.16E-02	3.37E-03	3.44E-03	6.81E-03	3.29E-03	3.36E-03	6.65E-03	3.25E-03	3.31E-03	6.56E-03
5508 491617.94, 3860203.93	0.0939	0.09635	1.47E-02	1.57E-02	1.39E-02	1.42E-02	1.34E-02	3.90E-03	4.00E-03	7.89E-03	3.80E-03	3.90E-03	7.70E-03	3.75E-03	3.85E-03	7.60E-03
5509 491805.68, 3860271.59	0.07033	0.07255	1.10E-02	1.18E-02	1.04E-02	1.06E-02	1.00E-02	2.92E-03	3.01E-03	5.93E-03	2.85E-03	2.94E-03	5.78E-03	2.81E-03	2.90E-03	5.71E-03
5510 491654.23, 3860414.02	0.36336	0.39621	5.69E-02	6.47E-02	5.36E-02	5.49E-02	5.18E-02	1.51E-02	1.64E-02	3.15E-02	1.47E-02	1.60E-02	3.08E-02	1.45E-02	1.58E-02	3.03E-02
5511 491592.62, 3860510.76	0.07022	0.06609	1.10E-02	1.08E-02	1.04E-02	1.06E-02	1.00E-02	2.91E-03	2.74E-03	5.66E-03	2.84E-03	2.68E-03	5.52E-03	2.81E-03	2.64E-03	5.45E-03
5512 491475.41, 3860368.93	0.11816	0.11016	1.85E-02	1.80E-02	1.74E-02	1.79E-02	1.68E-02	4.90E-03	4.57E-03	9.47E-03	4.78E-03	4.46E-03	9.24E-03	4.72E-03	4.40E-03	9.12E-03
5513 491445.61, 3860337.28	0.13137	0.12413	2.06E-02	2.03E-02	1.94E-02	1.99E-02	1.87E-02	5.45E-03	5.15E-03	1.06E-02	5.32E-03	5.03E-03	1.03E-02	5.25E-03	4.96E-03	1.02E-02
5514 491399.05, 3860300.37	0.13373	0.12933	2.09E-02	2.11E-02	1.97E-02	2.02E-02	1.91E-02	5.55E-03	5.37E-03	1.09E-02	5.41E-03	5.24E-03	1.06E-02	5.34E-03	5.17E-03	1.05E-02
5515 491228.84, 3860235.98	0.06574	0.06646	1.03E-02	1.08E-02	9.70E-03	9.94E-03	9.37E-03	2.73E-03	2.76E-03	5.48E-03	2.66E-03	2.69E-03	5.35E-03	2.63E-03	2.65E-03	5.28E-03
5516 491228.47, 3860174.57	0.12518	0.13043	1.96E-02	2.13E-02	1.85E-02	1.89E-02	1.78E-02	5.19E-03	5.41E-03	1.06E-02	5.07E-03	5.28E-03	1.03E-02	5.00E-03	5.21E-03	1.02E-02
5517 491145.77, 3860112.55	0.1243	0.13111	1.95E-02	2.14E-02	1.83E-02	1.88E-02	1.77E-02	5.16E-03	5.44E-03	1.06E-02	5.03E-03	5.31E-03	1.03E-02	4.97E-03	5.24E-03	1.02E-02
5518 490844.41, 3859966.22	0.11579	0.10813	1.81E-02	1.76E-02	1.71E-02	1.75E-02	1.65E-02	4.80E-03	4.49E-03	9.29E-03	4.69E-03	4.38E-03	9.07E-03	4.63E-03	4.32E-03	8.94E-03
5519 490845.55, 3859928.15	0.25598	0.22643	4.01E-02	3.70E-02	3.78E-02	3.87E-02	3.65E-02	1.06E-02	9.39E-03	2.00E-02	1.04E-02	9.17E-03	1.95E-02	1.02E-02	9.05E-03	1.93E-02
5520 490046.91, 3859625.6	0.17089	0.17175	2.68E-02	2.80E-02	2.52E-02	2.58E-02	2.44E-02	7.09E-03	7.13E-03	1.42E-02	6.92E-03	6.95E-03	1.39E-02	6.83E-03	6.86E-03	1.37E-02
5521 489970.48, 3859589.4	0.17907	0.17453	2.81E-02	2.85E-02	2.64E-02	2.71E-02	2.55E-02	7.43E-03	7.24E-03	1.47E-02	7.25E-03	7.07E-03	1.43E-02	7.15E-03	6.97E-03	1.41E-02
5522 489865.89, 3859529.06	0.19558	0.18752	3.06E-02	3.06E-02	2.89E-02	2.96E-02	2.79E-02	8.11E-03	7.78E-03	1.59E-02	7.92E-03	7.59E-03	1.55E-02	7.81E-03	7.49E-03	1.53E-02
5523 489826.89, 3859531.74	0.12621	0.12181	1.98E-02	1.99E-02	1.86E-02	1.91E-02	1.80E-02	5.24E-03	5.05E-03	1.03E-02	5.11E-03	4.93E-03	1.00E-02	5.04E-03	4.87E-03	9.91E-03
5524 489410.47, 3859303.06	0.12494	0.11438	1.96E-02	1.87E-02	1.84E-02	1.89E-02	1.78E-02	5.18E-03	4.75E-03	9.93E-03	5.06E-03	4.63E-03	9.69E-03	4.99E-03	4.57E-03	9.56E-03
5525 489407.15, 3859286.09	0.16169	0.14531	2.53E-02	2.37E-02	2.39E-02	2.44E-02	2.31E-02	6.71E-03	6.03E-03	1.27E-02	6.55E-03	5.88E-03	1.24E-02	6.46E-03	5.80E-03	1.23E-02
5526 488806.07, 3858963.62	0.13871	0.06422	2.17E-02	1.05E-02	2.05E-02	2.10E-02	1.98E-02	5.75E-03	2.66E-03	8.42E-03	5.62E-03	2.60E-03	8.22E-03	5.54E-03	2.57E-03	8.11E-03
5527 488817.64, 3859546.3	0.01214	0.0112	1.90E-03	1.83E-03	1.79E-03	1.84E-03	1.73E-03	5.04E-04	4.65E-04	9.68E-04	4.91E-04	4.53E-04	9.45E-04	4.85E-04	4.47E-04	9.32E-04
5528 489187.25, 3859549.52	0.0172	0.01631	2.69E-03	2.66E-03	2.54E-03	2.60E-03	2.45E-03	7.14E-04	6.77E-04	1.39E-03	6.96E-04	6.60E-04	1.36E-03	6.87E-04	6.52E-04	1.34E-03
5529 489187.66, 3859523.74	0.01826	0.01728	2.86E-03	2.82E-03	2.69E-03	2.76E-03	2.60E-03	7.58E-04	7.17E-04	1.47E-03	7.39E-04	7.00E-04	1.44E-03	7.29E-04	6.90E-04	1.42E-03
5530 489232.59, 3859522.85	0.01947	0.01847	3.05E-03	3.01E-03	2.87E-03	2.94E-03	2.78E-03	8.08E-04	7.66E-04	1.57E-03	7.88E-04	7.48E-04	1.54E-03	7.78E-04	7.38E-04	1.52E-03
5531 489224.98, 3859759.91	0.01223	0.01172	1.92E-03	1.91E-03	1.80E-03	1.85E-03	1.74E-03	5.07E-04	4.86E-04	9.94E-04	4.95E-04	4.74E-04	9.70E-04	4.89E-04	4.68E-04	9.57E-04
5532 488401.39, 3859763.34	0.00757	0.00696	1.19E-03	1.14E-03	1.12E-03	1.14E-03	1.08E-03	3.14E-04	2.89E-04	6.03E-04	3.06E-04	2.82E-04	5.88E-04	3.02E-04	2.78E-04	5.80E-04
5533 488405.51, 3859966.16	0.00667	0.00624	1.04E-03	1.02E-03	9.84E-04	1.01E-03	9.51E-04	2.77E-04	2.59E-04	5.36E-04	2.70E-04	2.53E-04	5.23E-04	2.66E-04	2.49E-04	5.16E-04
5534 489202.85, 3859956.57	0.00947	0.00909	1.48E-03	1.48E-03	1.40E-03	1.43E-03	1.35E-03	3.93E-04	3.77E-04	7.70E-04	3.83E-04	3.68E-04	7.51E-04	3.78E-04	3.63E-04	7.41E-04
5535 489191.9, 3860676.74	0.00552	0.00536	8.65E-04	8.75E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.22E-04	4.51E-04	2.23E-04	2.17E-04	4.40E-04	2.21E-04	2.14E-04	4.35E-04
5536 488392.82, 3860687.88	0.00458	0.00434	7.17E-04	7.08E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.80E-04	3.70E-04	1.85E-04	1.76E-04	3.61E-04	1.83E-04	1.73E-04	3.56E-04
5537 488392.82, 3860760.27	0.00445	0.00422	6.97E-04	6.89E-04	6.57E-04	6.73E-04	6.35E-04	1.85E-04	1.75E-04	3.60E-04	1.80E-04	1.71E-04	3.51E-04	1.78E-04	1.69E-04	3.46E-04
5538 487549.05, 3860777.45	0.00378	0.00353	5.92E-04	5.76E-04	5.58E-04	5.71E-04	5.39E-04	1.57E-04	1.46E-04	3.03E-04	1.53E-04	1.43E-04	2.96E-04	1.51E-04	1.41E-04	2.92E-04
5539 487554.62, 3859571.83	0.00637	0.00555	9.98E-04	9.06E-04	9.40E-04	9.63E-04	9.08E-04	2.64E-04	2.30E-04	4.95E-04	2.58E-04	2.25E-04	4.83E-04	2.54E-04	2.22E-04	4.76E-04
5540 485949.46, 3859558.54	0.00438	0.0038	6.86E-04	6.20E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.58E-04	3.39E-04	1.77E-04	1.54E-04	3.31E-04	1.75E-04	1.52E-04	3.27E-04

5541 485947.55, 3857943.61	0.01148	0.00595	1.80E-03	9.71E-04	1.69E-03	1.74E-03	1.64E-03	4.76E-04	2.47E-04	7.23E-04	4.65E-04	2.41E-04	7.06E-04	4.59E-04	2.38E-04	6.96E-04
5542 484738.38, 3857940.21	0.0059	0.00417	9.24E-04	6.81E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	1.73E-04	4.18E-04	2.39E-04	1.69E-04	4.08E-04	2.36E-04	1.67E-04	4.02E-04
5543 484737.06, 3857535.68	0.00739	0.00462	1.16E-03	7.54E-04	1.09E-03	1.12E-03	1.05E-03	3.07E-04	1.92E-04	4.98E-04	2.99E-04	1.87E-04	4.86E-04	2.95E-04	1.85E-04	4.80E-04
5544 483730.2, 3857530.13	0.00505	0.00372	7.91E-04	6.07E-04	7.45E-04	7.63E-04	7.20E-04	2.10E-04	1.54E-04	3.64E-04	2.04E-04	1.51E-04	3.55E-04	2.02E-04	1.49E-04	3.50E-04
5545 483727.27, 3857130.01	0.0059	0.00405	9.24E-04	6.61E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	1.68E-04	4.13E-04	2.39E-04	1.64E-04	4.03E-04	2.36E-04	1.62E-04	3.97E-04
5546 483124.42, 3857123.45	0.00491	0.00365	7.69E-04	5.96E-04	7.25E-04	7.42E-04	7.00E-04	2.04E-04	1.51E-04	3.55E-04	1.99E-04	1.48E-04	3.47E-04	1.96E-04	1.46E-04	3.42E-04
5547 483111.13, 3855921.03	0.00837	0.00481	1.31E-03	7.85E-04	1.24E-03	1.27E-03	1.19E-03	3.47E-04	2.00E-04	5.47E-04	3.39E-04	1.95E-04	5.34E-04	3.34E-04	1.92E-04	5.27E-04
5548 482701.73, 3855918.24	0.00672	0.00442	1.05E-03	7.21E-04	9.92E-04	1.02E-03	9.58E-04	2.79E-04	1.83E-04	4.62E-04	2.72E-04	1.79E-04	4.51E-04	2.68E-04	1.77E-04	4.45E-04
5549 482668.02, 3853521.78	0.05655	0.04934	8.86E-03	8.05E-03	8.35E-03	8.55E-03	8.06E-03	2.35E-03	2.05E-03	4.39E-03	2.29E-03	2.00E-03	4.29E-03	2.26E-03	1.97E-03	4.23E-03
5550 482579.91, 3853219.19	0.06817	0.06846	1.07E-02	1.12E-02	1.01E-02	1.03E-02	9.72E-03	2.83E-03	2.84E-03	5.67E-03	2.76E-03	2.77E-03	5.53E-03	2.72E-03	2.73E-03	5.46E-03
5551 482434.06, 3852961.94	0.09611	0.09783	1.51E-02	1.60E-02	1.42E-02	1.45E-02	1.37E-02	3.99E-03	4.06E-03	8.05E-03	3.89E-03	3.96E-03	7.85E-03	3.84E-03	3.91E-03	7.75E-03
5552 482332.11, 3852832.85	0.12479	0.12721	1.95E-02	2.08E-02	1.84E-02	1.89E-02	1.78E-02	5.18E-03	5.28E-03	1.05E-02	5.05E-03	5.15E-03	1.02E-02	4.98E-03	5.08E-03	1.01E-02
5553 481334.99, 3851818.96	0.10293	0.10454	1.61E-02	1.71E-02	1.52E-02	1.56E-02	1.47E-02	4.27E-03	4.34E-03	8.61E-03	4.17E-03	4.23E-03	8.40E-03	4.11E-03	4.18E-03	8.29E-03
5554 481127.62, 3851646.36	0.08857	0.08879	1.39E-02	1.45E-02	1.31E-02	1.34E-02	1.26E-02	3.67E-03	3.68E-03	7.36E-03	3.59E-03	3.59E-03	7.18E-03	3.54E-03	3.55E-03	7.08E-03
5555 481025.04, 3851591.73	0.0809	0.08046	1.27E-02	1.31E-02	1.19E-02	1.22E-02	1.15E-02	3.36E-03	3.34E-03	6.69E-03	3.28E-03	3.26E-03	6.53E-03	3.23E-03	3.21E-03	6.45E-03
5556 480513.6, 3851335.76	0.0828	0.08421	1.30E-02	1.37E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	3.49E-03	6.93E-03	3.35E-03	3.41E-03	6.76E-03	3.31E-03	3.36E-03	6.67E-03
5557 480523.56, 3851317.66	0.112	0.11418	1.75E-02	1.86E-02	1.65E-02	1.69E-02	1.60E-02	4.65E-03	4.74E-03	9.38E-03	4.53E-03	4.62E-03	9.16E-03	4.47E-03	4.56E-03	9.04E-03
5558 476921.56, 3849569.11	0.09863	0.09914	1.55E-02	1.62E-02	1.46E-02	1.49E-02	1.41E-02	4.09E-03	4.11E-03	8.21E-03	3.99E-03	4.01E-03	8.01E-03	3.94E-03	3.96E-03	7.90E-03
5559 476521.19, 3849373.96	0.11875	0.11863	1.86E-02	1.94E-02	1.75E-02	1.80E-02	1.69E-02	4.93E-03	4.92E-03	9.85E-03	4.81E-03	4.80E-03	9.61E-03	4.74E-03	4.74E-03	9.48E-03
5560 476391.45, 3849333.38	0.12689	0.12728	1.99E-02	2.08E-02	1.87E-02	1.92E-02	1.81E-02	5.26E-03	5.28E-03	1.05E-02	5.14E-03	5.15E-03	1.03E-02	5.07E-03	5.08E-03	1.02E-02
5561 476219.41, 3849304.29	0.11066	0.11158	1.73E-02	1.82E-02	1.63E-02	1.67E-02	1.58E-02	4.59E-03	4.63E-03	9.22E-03	4.48E-03	4.52E-03	9.00E-03	4.42E-03	4.46E-03	8.88E-03
5562 475679.11, 3849218.47	0.08987	0.09007	1.41E-02	1.47E-02	1.33E-02	1.36E-02	1.28E-02	3.73E-03	3.74E-03	7.47E-03	3.64E-03	3.65E-03	7.28E-03	3.59E-03	3.60E-03	7.19E-03
5563 475677.71, 3849233.88	0.07195	0.0722	1.13E-02	1.18E-02	1.06E-02	1.09E-02	1.03E-02	2.99E-03	3.00E-03	5.98E-03	2.91E-03	2.92E-03	5.84E-03	2.87E-03	2.88E-03	5.76E-03
5564 475492.74, 3849204.66	0.05018	0.05052	7.86E-03	8.25E-03	7.41E-03	7.59E-03	7.15E-03	2.08E-03	2.10E-03	4.18E-03	2.03E-03	2.05E-03	4.08E-03	2.00E-03	2.02E-03	4.02E-03
5565 475497.64, 3849158.75	0.11814	0.11876	1.85E-02	1.94E-02	1.74E-02	1.79E-02	1.68E-02	4.90E-03	4.93E-03	9.83E-03	4.78E-03	4.81E-03	9.59E-03	4.72E-03	4.74E-03	9.46E-03
5566 475391.35, 3849141.94	0.09015	0.09054	1.41E-02	1.48E-02	1.33E-02	1.36E-02	1.29E-02	3.74E-03	3.76E-03	7.50E-03	3.65E-03	3.67E-03	7.32E-03	3.60E-03	3.62E-03	7.22E-03
5567 475277, 3849095.47	0.08702	0.08735	1.36E-02	1.43E-02	1.28E-02	1.32E-02	1.24E-02	3.61E-03	3.62E-03	7.23E-03	3.52E-03	3.54E-03	7.06E-03	3.48E-03	3.49E-03	6.97E-03
5568 475183.93, 3849025.66	0.11347	0.11437	1.78E-02	1.87E-02	1.67E-02	1.72E-02	1.62E-02	4.71E-03	4.74E-03	9.45E-03	4.59E-03	4.63E-03	9.22E-03	4.53E-03	4.57E-03	9.10E-03
5569 474453.23, 3848378.77	0.16207	0.16319	2.54E-02	2.66E-02	2.39E-02	2.45E-02	2.31E-02	6.72E-03	6.77E-03	1.35E-02	6.56E-03	6.61E-03	1.32E-02	6.47E-03	6.52E-03	1.30E-02
5570 474569.63, 3848399.34	0.34879	0.35155	5.46E-02	5.74E-02	5.15E-02	5.27E-02	4.97E-02	1.45E-02	1.46E-02	2.91E-02	1.41E-02	1.42E-02	2.84E-02	1.39E-02	1.40E-02	2.80E-02
5571 474644.33, 3848464.52	0.35379	0.35651	5.54E-02	5.82E-02	5.22E-02	5.35E-02	5.04E-02	1.47E-02	1.48E-02	2.95E-02	1.43E-02	1.44E-02	2.88E-02	1.41E-02	1.42E-02	2.84E-02
5572 474719.04, 3848529.7	0.361	0.36367	5.66E-02	5.94E-02	5.33E-02	5.46E-02	5.15E-02	1.50E-02	1.51E-02	3.01E-02	1.46E-02	1.47E-02	2.93E-02	1.44E-02	1.45E-02	2.89E-02
5573 474793.74, 3848594.88	0.36744	0.37005	5.76E-02	6.04E-02	5.42E-02	5.55E-02	5.24E-02	1.52E-02	1.54E-02	3.06E-02	1.49E-02	1.50E-02	2.99E-02	1.47E-02	1.48E-02	2.95E-02
5574 474868.45, 3848660.07	0.36949	0.37204	5.79E-02	6.07E-02	5.45E-02	5.59E-02	5.27E-02	1.53E-02	1.54E-02	3.08E-02	1.50E-02	1.51E-02	3.00E-02	1.48E-02	1.49E-02	2.96E-02
5575 474943.15, 3848725.25	0.37618	0.37866	5.89E-02	6.18E-02	5.55E-02	5.69E-02	5.36E-02	1.56E-02	1.57E-02	3.13E-02	1.52E-02	1.53E-02	3.06E-02	1.50E-02	1.51E-02	3.02E-02
5576 475017.86, 3848790.43	0.38867	0.39114	6.09E-02	6.38E-02	5.74E-02	5.88E-02	5.54E-02	1.61E-02	1.62E-02	3.24E-02	1.57E-02	1.58E-02	3.16E-02	1.55E-02	1.56E-02	3.12E-02
5577 475092.56, 3848855.61	0.39691	0.39939	6.22E-02	6.52E-02	5.86E-02	6.00E-02	5.66E-02	1.65E-02	1.66E-02	3.30E-02	1.61E-02	1.62E-02	3.22E-02	1.59E-02	1.60E-02	3.18E-02
5578 475232.58, 3848959.38	0.33456	0.33675	5.24E-02	5.50E-02	4.94E-02	5.06E-02	4.77E-02	1.39E-02	1.40E-02	2.79E-02	1.35E-02	1.36E-02	2.72E-02	1.34E-02	1.35E-02	2.68E-02
5579 475368.47, 3849029.98	0.34656	0.35161	5.43E-02	5.74E-02	5.11E-02	5.24E-02	4.94E-02	1.44E-02	1.46E-02	2.90E-02	1.40E-02	1.42E-02	2.83E-02	1.38E-02	1.40E-02	2.79E-02
5580 475609.57, 3849096.09	0.28852	0.29175	4.52E-02	4.76E-02	4.26E-02	4.36E-02	4.11E-02	1.20E-02	1.21E-02	2.41E-02	1.17E-02	1.18E-02	2.35E-02	1.15E-02	1.17E-02	2.32E-02
5581 475680.68, 3849116.62	0.33121	0.33687	5.19E-02	5.50E-02	4.89E-02	5.01E-02	4.72E-02	1.37E-02	1.40E-02	2.77E-02	1.34E-02	1.36E-02	2.70E-02	1.32E-02	1.35E-02	2.67E-02
5582 475843.76, 3849151.52	0.40925	0.41506	6.41E-02	6.77E-02	6.04E-02	6.19E-02	5.84E-02	1.70E-02	1.72E-02	3.42E-02	1.66E-02	1.68E-02	3.34E-02	1.63E-02	1.66E-02	3.29E-02
5583 475935.73, 3849165.89	0.37665	0.38055	5.90E-02	6.21E-02	5.56E-02	5.69E-02	5.37E-02	1.56E-02	1.58E-02	3.14E-02	1.52E-02	1.54E-02	3.07E-02	1.50E-02	1.52E-02	3.02E-02
5584 476027.7, 3849180.26	0.37637	0.37958	5.90E-02	6.20E-02	5.55E-02	5.69E-02	5.37E-02	1.56E-02	1.57E-02	3.14E-02	1.52E-02	1.54E-02	3.06E-02	1.50E-02	1.52E-02	3.02E-02
5585 476119.68, 3849194.64	0.39381	0.39617	6.17E-02	6.47E-02	5.81E-02	5.95E-02	5.62E-02	1.63E-02	1.64E-02	3.28E-02	1.59E-02	1.60E-02	3.20E-02	1.57E-02	1.58E-02	3.16E-02
5586 476211.65, 3849209.01	0.38965	0.39108	6.10E-02	6.38E-02	5.75E-02	5.89E-02	5.56E-02	1.62E-02	1.62E-02	3.24E-02	1.58E-02	1.58E-02	3.16E-02	1.56E-02	1.56E-02	3.12E-02
5587 476497.8, 3849283.9	0.50563	0.51738	7.92E-02	8.45E-02	7.46E-02	7.64E-02	7.21E-02	2.10E-02	2.15E-02	4.24E-02	2.05E-02	2.09E-02	4.14E-02	2.02E-02	2.07E-02	4.09E-02
5588 476603.73, 3849323.77	0.50358	0.51455	7.89E-02	8.40E-02	7.43E-02	7.61E-02	7.18E-02	2.09E-02	2.13E-02	4.22E-02	2.04E-02	2.08E-02	4.12E-02	2.01E-02	2.06E-02	4.07E-02
5589 476728.99, 3849382.76	0.46467	0.47273	7.28E-02	7.72E-02	6.86E-02	7.02E-02	6.63E-02	1.93E-02	1.96E-02	3.89E-02	1.88E-02	1.91E-02	3.80E-02	1.86E-02	1.89E-02	3.74E-02
5590 476801.27, 3849418.65	0.4644	0.47104	7.27E-02	7.69E-02	6.85E-02	7.02E-02	6.62E-02	1.93E-02	1.95E-02	3.88E-02	1.88E-02	1.91E-02	3.79E-02	1.86E-02	1.88E-02	3.74E-02
5591 476956.2, 3849495.05	0.46458	0.46913	7.28E-02	7.66E-02	6.86E-02	7.02E-02	6.62E-02	1.93E-02	1.95E-02	3.87E-02	1.88E-02	1.90E-02	3.78E-02	1.86E-02	1.87E-02	3.73E-02
5592 477038.84, 3849535.56	0.47092	0.4744	7.38E-02	7.74E-02	6.95E-02	7.12E-02	6.71E-02	1.95E-02	1.97E-02	3.92E-02	1.91E-02	1.92E-02	3.83E-02	1.88E-02	1.90E-02	3.78E-02
5593 477121.48, 3849576.08	0.469	0.47109	7.35E-02	7.69E-02	6.92E-02	7.09E-02	6.69E-02	1.95E-02	1.95E-02	3.90E-02	1.90E-02	1.91E-02	3.81E-02	1.87E-02	1.88E-02	3.76E-02
5594 477204.13, 3849616.6	0.47187	0.47254	7.39E-02	7.71E-02	6.96E-02	7.13E-02	6.73E-02	1.96E-02	1.96E-02	3.92E-02	1.91E-02	1.91E-02	3.82E-02	1.88E-02	1.89E-02	3.77E-02
5595 477286.78, 3849657.12	0.44374	0.44254	6.95E-02	7.22E-02	6.55E-02	6.71E-02	6.33E-02	1.84E-02	1.84E-02	3.68E-02	1.80E-02	1.79E-02	3.59E-02	1.77E-02	1.77E-02	3.54E-02
5596 477369.42, 3849697.63	0.47166	0.47039	7.39E-02	7.68E-02	6.96E-02	7.13E-02	6.73E-02	1.96E-02	1.95E-02	3.91E-02	1.91E-02	1.90E-02	3.81E-02	1.88E-02	1.88E-02	3.76E-02
5597 477452.07, 3849738.15	0.47189	0.46802	7.39E-02	7.64E-02	6.96E-02	7.13E-02	6.73E-02	1.96E-02	1.94E-02	3.90E-02	1.91E-02	1.89E-02	3.81E-02	1.89E-02	1.87E-02	3.75E-02
5598 477534.71, 3849778.67	0.48598	0.48192	7.61E-02	7.87E-02	7.17E-02	7.35E-02	6.93E-02	2.02E-02	2.00E-02	4.02E-02	1.97E-02	1.95E-02	3.92E-02	1.94E-02	1.93E-02	3.87E-02
5599 477617.35, 3849819.18	0.4842	0.47901	7.59E-02	7.82E-02	7.15E-02	7.32E-02	6.90E-02	2.01E-02	1.99E-02	4.00E-02	1.96E-02	1.94E-02	3.90E-02	1.93E-02	1.91E-02	3.85E-02
5600 477824.74, 3849896.37	0.31819	0.31547	4.98E-02	5.15E-02	4.70E-02	4.81E-02	4.54E-02	1.32E-02	1.31E-02	2.63E-02	1.29E-02	1.28E-02	2.57E-02	1.27E-02	1.26E-02	2.53E-02
5601 477906.31, 3849936.37	0.32783	0.32288	5.14E-02	5.27E-02	4.84E-02	4.96E-02	4.67E-02	1.36E-02	1.34E-02	2.70E-02	1.33E-02	1.31E-02	2.63E-02	1.31E-02	1.29E-02	2.60E-02
5602 477987.89, 3849976.36	0.3283	0.32391	5.14E-02	5.29E-02	4.85E-02	4.96E-02	4.68E-02	1.36E-02	1.34E-02	2.71E-02	1.33E-02	1.31E-02	2.64E-02	1.31E-02	1.29E-02	2.61E-02
5603 478069.47, 3850016.36	0.33201	0.32611	5.20E-02	5.32E-02	4.90E-02	5.02E-02	4.73E-02	1.38E-02	1.35E-02	2.73E-02	1.34E-02	1.32E-02	2.66E-02	1.33E-02	1.30E-02	2.63E-02
5604 478151.04, 3850056.35	0.33364	0.32687	5.23E-02	5.34E-02	4.92E-02	5.04E-02	4.76E-02	1.38E-02	1.36E-02	2.74E-02	1.35E-02	1.32E-02	2.67E-02	1.33E-02	1.31E-02	2.64E-02
5605 478232.62, 3850096.35	0.33709	0.32974	5.28E-02	5.38E-02	4.98E-02	5.10E-02	4.81E-02	1.40E-02	1.37E-02	2.77E-02	1.36E-02	1.33E-02	2.70E-02	1.35E-02	1.32E-02	2.66E-02
5606 478314.2, 3850136.34	0.33832	0.33021	5.30E-02	5.39E-02	4.99E-02	5.11E-02	4.82E-02	1.40E-02	1.37E-02	2.77E-02	1.37E-02	1.34E-02	2.71E-02	1.35E-02	1.32E-02	2.67E-02

5607 478395.77, 3850176.34	0.33923	0.33035	5.31E-02	5.39E-02	5.01E-02	5.13E-02	4.84E-02	1.41E-02	1.37E-02	2.78E-02	1.37E-02	1.34E-02	2.71E-02	1.36E-02	1.32E-02	2.67E-02
5608 478575.43, 3850244.45	0.25931	0.25308	4.06E-02	4.13E-02	3.83E-02	3.92E-02	3.70E-02	1.08E-02	1.05E-02	2.13E-02	1.05E-02	1.02E-02	2.07E-02	1.04E-02	1.01E-02	2.05E-02
5609 478665.06, 3850287.29	0.25655	0.25001	4.02E-02	4.08E-02	3.79E-02	3.88E-02	3.66E-02	1.06E-02	1.04E-02	2.10E-02	1.04E-02	1.01E-02	2.05E-02	1.02E-02	9.99E-03	2.02E-02
5610 478754.69, 3850330.14	0.25354	0.2467	3.97E-02	4.03E-02	3.74E-02	3.83E-02	3.62E-02	1.05E-02	1.02E-02	2.08E-02	1.03E-02	9.99E-03	2.03E-02	1.01E-02	9.85E-03	2.00E-02
5611 478844.32, 3850372.99	0.24869	0.24173	3.90E-02	3.95E-02	3.67E-02	3.76E-02	3.55E-02	1.03E-02	1.00E-02	2.03E-02	1.01E-02	9.79E-03	1.99E-02	9.93E-03	9.66E-03	1.96E-02
5612 478933.95, 3850415.84	0.24276	0.23607	3.80E-02	3.85E-02	3.58E-02	3.67E-02	3.46E-02	1.01E-02	9.79E-03	1.99E-02	9.83E-03	9.56E-03	1.94E-02	9.70E-03	9.43E-03	1.91E-02
5613 479023.58, 3850458.68	0.24573	0.23814	3.85E-02	3.89E-02	3.63E-02	3.71E-02	3.50E-02	1.02E-02	9.88E-03	2.01E-02	9.95E-03	9.64E-03	1.96E-02	9.82E-03	9.51E-03	1.93E-02
5614 479110.66, 3850441.9	0.13932	0.13708	2.18E-02	2.24E-02	2.06E-02	2.11E-02	1.99E-02	5.78E-03	5.69E-03	1.15E-02	5.64E-03	5.55E-03	1.12E-02	5.57E-03	5.48E-03	1.10E-02
5615 479191.22, 3850423.99	0.09777	0.09685	1.53E-02	1.58E-02	1.44E-02	1.48E-02	1.39E-02	4.06E-03	4.02E-03	8.07E-03	3.96E-03	3.92E-03	7.88E-03	3.91E-03	3.87E-03	7.77E-03
5616 479274.32, 3850465.71	0.09884	0.09781	1.55E-02	1.60E-02	1.46E-02	1.49E-02	1.41E-02	4.10E-03	4.06E-03	8.16E-03	4.00E-03	3.96E-03	7.96E-03	3.95E-03	3.91E-03	7.86E-03
5617 479357.43, 3850507.42	0.0998	0.09857	1.56E-02	1.61E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.09E-03	8.23E-03	4.04E-03	3.99E-03	8.03E-03	3.99E-03	3.94E-03	7.92E-03
5618 479440.53, 3850549.14	0.09968	0.09831	1.56E-02	1.60E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.08E-03	8.21E-03	4.04E-03	3.98E-03	8.02E-03	3.98E-03	3.93E-03	7.91E-03
5619 479523.64, 3850590.85	0.09984	0.09837	1.56E-02	1.61E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.08E-03	8.22E-03	4.04E-03	3.98E-03	8.02E-03	3.99E-03	3.93E-03	7.92E-03
5620 479606.74, 3850632.57	0.10065	0.09909	1.58E-02	1.62E-02	1.49E-02	1.52E-02	1.44E-02	4.18E-03	4.11E-03	8.29E-03	4.07E-03	4.01E-03	8.09E-03	4.02E-03	3.96E-03	7.98E-03
5621 479777.37, 3850707.61	0.0958	0.09432	1.50E-02	1.54E-02	1.41E-02	1.45E-02	1.37E-02	3.97E-03	3.91E-03	7.89E-03	3.88E-03	3.82E-03	7.70E-03	3.83E-03	3.77E-03	7.59E-03
5622 479864.9, 3850740.95	0.0916	0.09027	1.43E-02	1.47E-02	1.35E-02	1.38E-02	1.31E-02	3.80E-03	3.75E-03	7.55E-03	3.71E-03	3.65E-03	7.36E-03	3.66E-03	3.61E-03	7.27E-03
5623 479931.87, 3850829.56	0.12709	0.12439	1.99E-02	2.03E-02	1.88E-02	1.92E-02	1.81E-02	5.27E-03	5.16E-03	1.04E-02	5.15E-03	5.04E-03	1.02E-02	5.08E-03	4.97E-03	1.00E-02
5624 479995.55, 3850926.75	0.22865	0.22134	3.58E-02	3.61E-02	3.37E-02	3.46E-02	3.26E-02	9.49E-03	9.18E-03	1.87E-02	9.26E-03	8.96E-03	1.82E-02	9.13E-03	8.84E-03	1.80E-02
5625 480079.78, 3850968.64	0.22775	0.22182	3.57E-02	3.62E-02	3.36E-02	3.44E-02	3.25E-02	9.45E-03	9.20E-03	1.87E-02	9.22E-03	8.98E-03	1.82E-02	9.10E-03	8.86E-03	1.80E-02
5626 480164.01, 3851010.54	0.22769	0.22318	3.57E-02	3.64E-02	3.36E-02	3.44E-02	3.25E-02	9.45E-03	9.26E-03	1.87E-02	9.22E-03	9.04E-03	1.83E-02	9.10E-03	8.92E-03	1.80E-02
5627 480248.23, 3851052.43	0.22625	0.2232	3.54E-02	3.64E-02	3.34E-02	3.42E-02	3.23E-02	9.39E-03	9.26E-03	1.86E-02	9.16E-03	9.04E-03	1.82E-02	9.04E-03	8.92E-03	1.80E-02
5628 480332.46, 3851094.33	0.22822	0.22614	3.58E-02	3.69E-02	3.37E-02	3.45E-02	3.25E-02	9.47E-03	9.38E-03	1.89E-02	9.24E-03	9.16E-03	1.84E-02	9.12E-03	9.03E-03	1.82E-02
5629 480416.69, 3851136.22	0.23256	0.23093	3.64E-02	3.77E-02	3.43E-02	3.52E-02	3.32E-02	9.65E-03	9.58E-03	1.92E-02	9.42E-03	9.35E-03	1.88E-02	9.29E-03	9.22E-03	1.85E-02
5630 480579.95, 3851215.17	0.22914	0.22936	3.59E-02	3.74E-02	3.38E-02	3.46E-02	3.27E-02	9.51E-03	9.52E-03	1.90E-02	9.28E-03	9.29E-03	1.86E-02	9.15E-03	9.16E-03	1.83E-02
5631 480658.98, 3851252.22	0.22407	0.22534	3.51E-02	3.68E-02	3.31E-02	3.39E-02	3.19E-02	9.30E-03	9.35E-03	1.86E-02	9.07E-03	9.12E-03	1.82E-02	8.95E-03	9.00E-03	1.80E-02
5632 480817.36, 3851327.85	0.21794	0.22108	3.41E-02	3.61E-02	3.22E-02	3.29E-02	3.11E-02	9.04E-03	9.17E-03	1.82E-02	8.82E-03	8.95E-03	1.78E-02	8.71E-03	8.83E-03	1.75E-02
5633 480896.71, 3851366.42	0.21624	0.22031	3.39E-02	3.60E-02	3.19E-02	3.27E-02	3.08E-02	8.97E-03	9.14E-03	1.81E-02	8.75E-03	8.92E-03	1.77E-02	8.64E-03	8.80E-03	1.74E-02
5634 480976.07, 3851405	0.21445	0.2194	3.36E-02	3.58E-02	3.17E-02	3.24E-02	3.06E-02	8.90E-03	9.10E-03	1.80E-02	8.68E-03	8.88E-03	1.76E-02	8.57E-03	8.76E-03	1.73E-02
5635 481178, 3851487.31	0.17257	0.17644	2.70E-02	2.88E-02	2.55E-02	2.61E-02	2.46E-02	7.16E-03	7.32E-03	1.45E-02	6.99E-03	7.14E-03	1.41E-02	6.89E-03	7.05E-03	1.39E-02
5636 481244.9, 3851557.17	0.21535	0.21729	3.37E-02	3.55E-02	3.18E-02	3.26E-02	3.07E-02	8.93E-03	9.01E-03	1.79E-02	8.72E-03	8.80E-03	1.75E-02	8.60E-03	8.68E-03	1.73E-02
5637 481311.81, 3851627.03	0.24711	0.24815	3.87E-02	4.05E-02	3.65E-02	3.74E-02	3.52E-02	1.03E-02	1.03E-02	2.05E-02	1.00E-02	1.00E-02	2.01E-02	9.87E-03	9.91E-03	1.98E-02
5638 481378.71, 3851696.89	0.2377	0.23774	3.72E-02	3.88E-02	3.51E-02	3.59E-02	3.39E-02	9.86E-03	9.86E-03	1.97E-02	9.62E-03	9.62E-03	1.92E-02	9.50E-03	9.50E-03	1.90E-02
5639 481445.61, 3851766.76	0.2349	0.23511	3.68E-02	3.84E-02	3.47E-02	3.55E-02	3.35E-02	9.75E-03	9.75E-03	1.95E-02	9.51E-03	9.52E-03	1.90E-02	9.38E-03	9.39E-03	1.88E-02
5640 481512.51, 3851836.62	0.23466	0.23483	3.68E-02	3.83E-02	3.46E-02	3.55E-02	3.35E-02	9.74E-03	9.74E-03	1.95E-02	9.50E-03	9.51E-03	1.90E-02	9.37E-03	9.38E-03	1.88E-02
5641 481579.42, 3851906.48	0.23312	0.23333	3.65E-02	3.81E-02	3.44E-02	3.52E-02	3.32E-02	9.67E-03	9.68E-03	1.94E-02	9.44E-03	9.45E-03	1.89E-02	9.31E-03	9.32E-03	1.86E-02
5642 481646.32, 3851976.34	0.23514	0.23524	3.68E-02	3.84E-02	3.47E-02	3.55E-02	3.35E-02	9.76E-03	9.76E-03	1.95E-02	9.52E-03	9.52E-03	1.90E-02	9.39E-03	9.40E-03	1.88E-02
5643 481713.22, 3852046.2	0.2335	0.23367	3.66E-02	3.81E-02	3.45E-02	3.53E-02	3.33E-02	9.69E-03	9.69E-03	1.94E-02	9.45E-03	9.46E-03	1.89E-02	9.33E-03	9.33E-03	1.87E-02
5644 481780.12, 3852116.06	0.23548	0.23564	3.69E-02	3.85E-02	3.48E-02	3.56E-02	3.36E-02	9.77E-03	9.78E-03	1.95E-02	9.53E-03	9.54E-03	1.91E-02	9.41E-03	9.41E-03	1.88E-02
5645 481847.03, 3852185.92	0.23876	0.23884	3.74E-02	3.90E-02	3.52E-02	3.61E-02	3.40E-02	9.91E-03	9.91E-03	1.98E-02	9.67E-03	9.67E-03	1.93E-02	9.54E-03	9.54E-03	1.91E-02
5646 481913.93, 3852255.78	0.2405	0.24063	3.77E-02	3.93E-02	3.55E-02	3.64E-02	3.43E-02	9.98E-03	9.98E-03	2.00E-02	9.74E-03	9.74E-03	1.95E-02	9.61E-03	9.61E-03	1.92E-02
5647 481980.83, 3852325.65	0.24338	0.24343	3.81E-02	3.97E-02	3.59E-02	3.68E-02	3.47E-02	1.01E-02	1.01E-02	2.02E-02	9.85E-03	9.86E-03	1.97E-02	9.72E-03	9.72E-03	1.94E-02
5648 482047.73, 3852395.51	0.24397	0.24434	3.82E-02	3.99E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	1.01E-02	2.03E-02	9.88E-03	9.89E-03	1.98E-02	9.75E-03	9.76E-03	1.95E-02
5649 482114.64, 3852465.37	0.24416	0.2444	3.82E-02	3.99E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	1.01E-02	2.03E-02	9.88E-03	9.89E-03	1.98E-02	9.75E-03	9.76E-03	1.95E-02
5650 482181.54, 3852535.23	0.24756	0.24778	3.88E-02	4.04E-02	3.65E-02	3.74E-02	3.53E-02	1.03E-02	1.03E-02	2.06E-02	1.00E-02	1.00E-02	2.01E-02	9.89E-03	9.90E-03	1.98E-02
5651 482338.69, 3852700.04	0.25317	0.25324	3.97E-02	4.13E-02	3.74E-02	3.83E-02	3.61E-02	1.05E-02	1.05E-02	2.10E-02	1.02E-02	1.03E-02	2.05E-02	1.01E-02	1.01E-02	2.02E-02
5652 482404.05, 3852767.78	0.2513	0.25157	3.94E-02	4.11E-02	3.71E-02	3.80E-02	3.58E-02	1.04E-02	1.04E-02	2.09E-02	1.02E-02	1.02E-02	2.04E-02	1.00E-02	1.00E-02	2.01E-02
5653 482469.4, 3852835.52	0.25288	0.25282	3.96E-02	4.13E-02	3.73E-02	3.82E-02	3.61E-02	1.05E-02	1.05E-02	2.10E-02	1.02E-02	1.02E-02	2.05E-02	1.01E-02	1.01E-02	2.02E-02
5654 482534.75, 3852903.25	0.25272	0.25252	3.96E-02	4.12E-02	3.73E-02	3.82E-02	3.60E-02	1.05E-02	1.05E-02	2.10E-02	1.02E-02	1.02E-02	2.05E-02	1.01E-02	1.01E-02	2.02E-02
5655 482600.11, 3852970.99	0.24662	0.24748	3.86E-02	4.04E-02	3.64E-02	3.73E-02	3.52E-02	1.02E-02	1.03E-02	2.05E-02	9.98E-03	1.00E-02	2.00E-02	9.85E-03	9.89E-03	1.97E-02
5656 482706.71, 3853119.28	0.19967	0.20257	3.13E-02	3.31E-02	2.95E-02	3.02E-02	2.85E-02	8.28E-03	8.40E-03	1.67E-02	8.08E-03	8.20E-03	1.63E-02	7.98E-03	8.09E-03	1.61E-02
5657 482747.96, 3853199.84	0.20263	0.20513	3.17E-02	3.35E-02	2.99E-02	3.06E-02	2.89E-02	8.41E-03	8.51E-03	1.69E-02	8.20E-03	8.30E-03	1.65E-02	8.09E-03	8.19E-03	1.63E-02
5658 482789.21, 3853280.4	0.19131	0.19628	3.00E-02	3.20E-02	2.82E-02	2.89E-02	2.73E-02	7.94E-03	8.14E-03	1.61E-02	7.75E-03	7.95E-03	1.57E-02	7.64E-03	7.84E-03	1.55E-02
5659 482830.46, 3853360.96	0.16135	0.17573	2.53E-02	2.87E-02	2.38E-02	2.44E-02	2.30E-02	6.69E-03	7.29E-03	1.40E-02	6.53E-03	7.11E-03	1.36E-02	6.45E-03	7.02E-03	1.35E-02
5660 482871.71, 3853441.52	0.13856	0.15868	2.17E-02	2.59E-02	2.04E-02	2.09E-02	1.98E-02	5.75E-03	6.58E-03	1.23E-02	5.61E-03	6.42E-03	1.20E-02	5.54E-03	6.34E-03	1.19E-02
5661 482912.95, 3853522.07	0.12088	0.14881	1.89E-02	2.43E-02	1.78E-02	1.83E-02	1.72E-02	5.02E-03	6.17E-03	1.12E-02	4.89E-03	6.02E-03	1.09E-02	4.83E-03	5.94E-03	1.08E-02
5662 482954.2, 3853602.63	0.09946	0.14199	1.56E-02	2.32E-02	1.47E-02	1.50E-02	1.42E-02	4.13E-03	5.89E-03	1.00E-02	4.03E-03	5.75E-03	9.77E-03	3.97E-03	5.67E-03	9.65E-03
5663 482995.45, 3853683.19	0.0832	0.13618	1.30E-02	2.22E-02	1.23E-02	1.26E-02	1.19E-02	3.45E-03	5.65E-03	9.10E-03	3.37E-03	5.51E-03	8.88E-03	3.32E-03	5.44E-03	8.76E-03
5664 483036.7, 3853763.75	0.07141	0.13134	1.12E-02	2.14E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	5.45E-03	8.41E-03	2.89E-03	5.32E-03	8.21E-03	2.85E-03	5.25E-03	8.10E-03
5665 483214.2, 3853909.91	0.04012	0.07333	6.28E-03	1.20E-02	5.92E-03	6.06E-03	5.72E-03	1.66E-03	3.04E-03	4.71E-03	1.62E-03	2.97E-03	4.59E-03	1.60E-03	2.93E-03	4.53E-03
5666 483307.01, 3853910.44	0.03338	0.05693	5.23E-03	9.29E-03	4.93E-03	5.05E-03	4.76E-03	1.38E-03	2.36E-03	3.75E-03	1.35E-03	2.30E-03	3.66E-03	1.33E-03	2.27E-03	3.61E-03
5667 483399.83, 3853910.96	0.0284	0.04669	4.45E-03	7.62E-03	4.19E-03	4.29E-03	4.05E-03	1.18E-03	1.94E-03	3.12E-03	1.15E-03	1.89E-03	3.04E-03	1.13E-03	1.87E-03	3.00E-03
5668 483494.52, 3854009.24	0.02548	0.05166	3.99E-03	8.43E-03	3.76E-03	3.85E-03	3.63E-03	1.06E-03	2.14E-03	3.20E-03	1.03E-03	2.09E-03	3.12E-03	1.02E-03	2.06E-03	3.08E-03
5669 483496.41, 3854106.98	0.02607	0.07578	4.08E-03	1.24E-02	3.85E-03	3.94E-03	3.72E-03	1.08E-03	3.14E-03	4.23E-03	1.06E-03	3.07E-03	4.12E-03	1.04E-03	3.03E-03	4.07E-03
5670 483577.56, 3854261.96	0.0234	0.14008	3.67E-03	2.29E-02	3.45E-03	3.54E-03	3.34E-03	9.71E-04	5.81E-03	6.78E-03	9.47E-04	5.67E-03	6.62E-03	9.35E-04	5.60E-03	6.53E-03
5671 483656.83, 3854319.19	0.02108	0.14923	3.30E-03	2.44E-02	3.11E-03	3.19E-03	3.01E-03	8.75E-04	6.19E-03	7.07E-03	8.53E-04	6.04E-03	6.89E-03	8.42E-04	5.96E-03	6.80E-03
5672 483736.1, 3854376.41	0.01919	0.15857	3.01E-03	2.59E-02	2.83E-03	2.90E-03	2.74E-03	7.96E-04	6.58E-03	7.37E-03	7.77E-04	6.42E-03	7.20E-03	7.67E-04	6.33E-03	7.10E-03

5673 483815.36, 3854433.64	0.0177	0.17043	2.77E-03	2.78E-02	2.61E-03	2.68E-03	2.52E-03	7.34E-04	7.07E-03	7.81E-03	7.17E-04	6.90E-03	7.62E-03	7.07E-04	6.81E-03	7.52E-03
5674 483894.63, 3854490.87	0.01646	0.18379	2.58E-03	3.00E-02	2.43E-03	2.49E-03	2.35E-03	6.83E-04	7.63E-03	8.31E-03	6.66E-04	7.44E-03	8.11E-03	6.58E-04	7.34E-03	8.00E-03
5675 483973.9, 3854548.09	0.0155	0.19743	2.43E-03	3.22E-02	2.29E-03	2.34E-03	2.21E-03	6.43E-04	8.19E-03	8.83E-03	6.28E-04	7.99E-03	8.62E-03	6.19E-04	7.89E-03	8.51E-03
5676 484053.17, 3854605.32	0.01492	0.21841	2.34E-03	3.57E-02	2.20E-03	2.26E-03	2.13E-03	6.19E-04	9.06E-03	9.68E-03	6.04E-04	8.84E-03	9.45E-03	5.96E-04	8.72E-03	9.32E-03
5677 484214.97, 3854698.15	0.01399	0.22546	2.19E-03	3.68E-02	2.06E-03	2.11E-03	1.99E-03	5.80E-04	9.35E-03	9.93E-03	5.66E-04	9.13E-03	9.69E-03	5.59E-04	9.01E-03	9.57E-03
5678 484297.5, 3854733.74	0.01383	0.22934	2.17E-03	3.74E-02	2.04E-03	2.09E-03	1.97E-03	5.74E-04	9.51E-03	1.01E-02	5.60E-04	9.28E-03	9.84E-03	5.52E-04	9.16E-03	9.71E-03
5679 484380.03, 3854769.34	0.01347	0.22521	2.11E-03	3.68E-02	1.99E-03	2.04E-03	1.92E-03	5.59E-04	9.34E-03	9.90E-03	5.45E-04	9.12E-03	9.66E-03	5.38E-04	9.00E-03	9.53E-03
5680 484462.56, 3854804.94	0.01338	0.22394	2.10E-03	3.66E-02	1.97E-03	2.02E-03	1.91E-03	5.55E-04	9.29E-03	9.85E-03	5.42E-04	9.07E-03	9.61E-03	5.34E-04	8.95E-03	9.48E-03
5681 484545.09, 3854840.53	0.01304	0.21531	2.04E-03	3.51E-02	1.92E-03	1.97E-03	1.86E-03	5.41E-04	8.93E-03	9.47E-03	5.28E-04	8.72E-03	9.24E-03	5.21E-04	8.60E-03	9.12E-03
5682 484691.88, 3854912.58	0.01305	0.22635	2.04E-03	3.69E-02	1.93E-03	1.97E-03	1.86E-03	5.41E-04	9.39E-03	9.93E-03	5.28E-04	9.16E-03	9.69E-03	5.21E-04	9.04E-03	9.56E-03
5683 484830.81, 3855012.51	0.01324	0.19117	2.07E-03	3.12E-02	1.95E-03	2.00E-03	1.89E-03	5.49E-04	7.93E-03	8.48E-03	5.36E-04	7.74E-03	8.28E-03	5.29E-04	7.64E-03	8.17E-03
5684 484905.48, 3855075.97	0.01375	0.17665	2.15E-03	2.88E-02	2.03E-03	2.08E-03	1.96E-03	5.70E-04	7.33E-03	7.90E-03	5.57E-04	7.15E-03	7.71E-03	5.49E-04	7.06E-03	7.61E-03
5685 484980.14, 3855139.44	0.01404	0.16738	2.20E-03	2.73E-02	2.07E-03	2.12E-03	2.00E-03	5.82E-04	6.94E-03	7.53E-03	5.68E-04	6.78E-03	7.34E-03	5.61E-04	6.69E-03	7.25E-03
5686 485054.81, 3855202.91	0.01414	0.1581	2.22E-03	2.58E-02	2.09E-03	2.14E-03	2.02E-03	5.87E-04	6.56E-03	7.15E-03	5.72E-04	6.40E-03	6.97E-03	5.65E-04	6.32E-03	6.88E-03
5687 485129.48, 3855266.37	0.01398	0.14654	2.19E-03	2.39E-02	2.06E-03	2.11E-03	1.99E-03	5.80E-04	6.08E-03	6.66E-03	5.66E-04	5.93E-03	6.50E-03	5.58E-04	5.85E-03	6.41E-03
5688 485204.15, 3855329.84	0.01431	0.14434	2.24E-03	2.36E-02	2.11E-03	2.16E-03	2.04E-03	5.94E-04	5.99E-03	6.58E-03	5.79E-04	5.84E-03	6.42E-03	5.72E-04	5.77E-03	6.34E-03
5689 485278.82, 3855393.31	0.01437	0.13715	2.25E-03	2.24E-02	2.12E-03	2.17E-03	2.05E-03	5.96E-04	5.69E-03	6.29E-03	5.82E-04	5.55E-03	6.13E-03	5.74E-04	5.48E-03	6.05E-03
5690 485353.48, 3855456.77	0.01458	0.13197	2.28E-03	2.15E-02	2.15E-03	2.20E-03	2.08E-03	6.05E-04	5.48E-03	6.08E-03	5.90E-04	5.34E-03	5.93E-03	5.82E-04	5.27E-03	5.85E-03
5691 485428.15, 3855520.24	0.01464	0.12558	2.29E-03	2.05E-02	2.16E-03	2.21E-03	2.09E-03	6.07E-04	5.21E-03	5.82E-03	5.93E-04	5.08E-03	5.68E-03	5.85E-04	5.02E-03	5.60E-03
5692 485502.82, 3855583.71	0.01474	0.12056	2.31E-03	1.97E-02	2.18E-03	2.23E-03	2.10E-03	6.12E-04	5.00E-03	5.61E-03	5.97E-04	4.88E-03	5.48E-03	5.89E-04	4.82E-03	5.40E-03
5693 485577.49, 3855647.17	0.01506	0.11753	2.36E-03	1.92E-02	2.22E-03	2.28E-03	2.15E-03	6.25E-04	4.88E-03	5.50E-03	6.10E-04	4.76E-03	5.37E-03	6.02E-04	4.69E-03	5.30E-03
5694 485652.16, 3855710.64	0.01538	0.11429	2.41E-03	1.87E-02	2.27E-03	2.32E-03	2.19E-03	6.38E-04	4.74E-03	5.38E-03	6.23E-04	4.63E-03	5.25E-03	6.14E-04	4.57E-03	5.18E-03
5695 485726.83, 3855774.1	0.01547	0.10967	2.42E-03	1.79E-02	2.28E-03	2.34E-03	2.21E-03	6.42E-04	4.55E-03	5.19E-03	6.26E-04	4.44E-03	5.07E-03	6.18E-04	4.38E-03	5.00E-03
5696 485801.49, 3855837.57	0.01544	0.10476	2.42E-03	1.71E-02	2.28E-03	2.33E-03	2.20E-03	6.41E-04	4.35E-03	4.99E-03	6.25E-04	4.24E-03	4.87E-03	6.17E-04	4.18E-03	4.80E-03
5697 485876.16, 3855901.04	0.01551	0.10165	2.43E-03	1.66E-02	2.29E-03	2.34E-03	2.21E-03	6.43E-04	4.22E-03	4.86E-03	6.28E-04	4.12E-03	4.74E-03	6.20E-04	4.06E-03	4.68E-03
5698 485950.83, 3855964.5	0.01549	0.09843	2.43E-03	1.61E-02	2.29E-03	2.34E-03	2.21E-03	6.43E-04	4.08E-03	4.73E-03	6.27E-04	3.98E-03	4.61E-03	6.19E-04	3.93E-03	4.55E-03
5699 486025.5, 3856027.97	0.01533	0.09444	2.40E-03	1.54E-02	2.26E-03	2.32E-03	2.19E-03	6.36E-04	3.92E-03	4.55E-03	6.21E-04	3.82E-03	4.44E-03	6.12E-04	3.77E-03	4.38E-03
5700 486100.17, 3856091.44	0.01573	0.09412	2.46E-03	1.54E-02	2.32E-03	2.38E-03	2.24E-03	6.53E-04	3.90E-03	4.56E-03	6.37E-04	3.81E-03	4.45E-03	6.28E-04	3.76E-03	4.39E-03
5701 486174.83, 3856154.9	0.0155	0.08954	2.43E-03	1.46E-02	2.29E-03	2.34E-03	2.21E-03	6.43E-04	3.71E-03	4.36E-03	6.28E-04	3.62E-03	4.25E-03	6.19E-04	3.58E-03	4.20E-03
5702 486249.5, 3856218.37	0.01496	0.08397	2.34E-03	1.37E-02	2.21E-03	2.26E-03	2.13E-03	6.21E-04	3.48E-03	4.10E-03	6.06E-04	3.40E-03	4.01E-03	5.98E-04	3.35E-03	3.95E-03
5703 486324.17, 3856281.84	0.0146	0.08155	2.29E-03	1.33E-02	2.15E-03	2.21E-03	2.08E-03	6.06E-04	3.38E-03	3.99E-03	5.91E-04	3.30E-03	3.89E-03	5.83E-04	3.26E-03	3.84E-03
5704 486398.84, 3856345.3	0.01477	0.08237	2.31E-03	1.34E-02	2.18E-03	2.23E-03	2.11E-03	6.13E-04	3.42E-03	4.03E-03	5.98E-04	3.33E-03	3.93E-03	5.90E-04	3.29E-03	3.88E-03
5705 486473.51, 3856408.77	0.0148	0.08082	2.32E-03	1.32E-02	2.18E-03	2.24E-03	2.11E-03	6.14E-04	3.35E-03	3.97E-03	5.99E-04	3.27E-03	3.87E-03	5.91E-04	3.23E-03	3.82E-03
5706 486548.17, 3856472.24	0.015	0.08013	2.35E-03	1.31E-02	2.21E-03	2.27E-03	2.14E-03	6.22E-04	3.32E-03	3.95E-03	6.07E-04	3.24E-03	3.85E-03	5.99E-04	3.20E-03	3.80E-03
5707 486622.84, 3856535.7	0.01522	0.07894	2.38E-03	1.29E-02	2.25E-03	2.30E-03	2.17E-03	6.31E-04	3.28E-03	3.91E-03	6.16E-04	3.20E-03	3.81E-03	6.08E-04	3.15E-03	3.76E-03
5708 486765.48, 3856659.69	0.01583	0.07557	2.48E-03	1.23E-02	2.34E-03	2.39E-03	2.26E-03	6.57E-04	3.14E-03	3.79E-03	6.41E-04	3.06E-03	3.70E-03	6.32E-04	3.02E-03	3.65E-03
5709 486833.44, 3856720.2	0.01608	0.07454	2.52E-03	1.22E-02	2.37E-03	2.43E-03	2.29E-03	6.67E-04	3.09E-03	3.76E-03	6.51E-04	3.02E-03	3.67E-03	6.42E-04	2.98E-03	3.62E-03
5710 486901.41, 3856780.72	0.01642	0.07339	2.57E-03	1.20E-02	2.42E-03	2.48E-03	2.34E-03	6.81E-04	3.04E-03	3.73E-03	6.65E-04	2.97E-03	3.64E-03	6.56E-04	2.93E-03	3.59E-03
5711 486969.38, 3856841.24	0.01672	0.07252	2.62E-03	1.18E-02	2.47E-03	2.53E-03	2.38E-03	6.94E-04	3.01E-03	3.70E-03	6.77E-04	2.94E-03	3.61E-03	6.68E-04	2.90E-03	3.56E-03
5712 487037.34, 3856901.75	0.01702	0.07177	2.67E-03	1.17E-02	2.51E-03	2.57E-03	2.43E-03	7.06E-04	2.98E-03	3.68E-03	6.89E-04	2.91E-03	3.59E-03	6.80E-04	2.87E-03	3.55E-03
5713 487271.23, 3856855.51	0.01507	0.0399	2.36E-03	6.51E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	1.66E-03	2.28E-03	6.10E-04	1.62E-03	2.23E-03	6.02E-04	1.59E-03	2.20E-03
5714 487368.95, 3856857.29	0.01459	0.03489	2.29E-03	5.70E-03	2.15E-03	2.21E-03	2.08E-03	6.05E-04	1.45E-03	2.05E-03	5.91E-04	1.41E-03	2.00E-03	5.83E-04	1.39E-03	1.98E-03
5715 487466.68, 3856859.06	0.0142	0.03107	2.22E-03	5.07E-03	2.10E-03	2.15E-03	2.02E-03	5.89E-04	1.29E-03	1.88E-03	5.75E-04	1.26E-03	1.83E-03	5.67E-04	1.24E-03	1.81E-03
5716 487636.44, 3856930	0.01407	0.02809	2.20E-03	4.59E-03	2.08E-03	2.13E-03	2.01E-03	5.84E-04	1.17E-03	1.75E-03	5.70E-04	1.14E-03	1.71E-03	5.62E-04	1.12E-03	1.68E-03
5717 487709.57, 3856928.43	0.01379	0.02614	2.16E-03	4.27E-03	2.04E-03	2.08E-03	1.97E-03	5.72E-04	1.08E-03	1.66E-03	5.58E-04	1.06E-03	1.62E-03	5.51E-04	1.04E-03	1.60E-03
5718 487782.55, 3856841.96	0.01287	0.02278	2.02E-03	3.72E-03	1.90E-03	1.95E-03	1.84E-03	5.34E-04	9.45E-04	1.48E-03	5.21E-04	9.22E-04	1.44E-03	5.14E-04	9.10E-04	1.42E-03
5719 487849.83, 3856754.74	0.01211	0.02034	1.90E-03	3.32E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	8.44E-04	1.35E-03	4.90E-04	8.23E-04	1.31E-03	4.84E-04	8.13E-04	1.30E-03
5720 487918.03, 3856819.39	0.01237	0.02034	1.94E-03	3.32E-03	1.83E-03	1.87E-03	1.76E-03	5.13E-04	8.44E-04	1.36E-03	5.01E-04	8.23E-04	1.32E-03	4.94E-04	8.13E-04	1.31E-03
5721 487918.8, 3856886.37	0.01282	0.02131	2.01E-03	3.48E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	8.84E-04	1.42E-03	5.19E-04	8.63E-04	1.38E-03	5.12E-04	8.51E-04	1.36E-03
5722 488065.46, 3857127.5	0.014	0.02309	2.19E-03	3.77E-03	2.07E-03	2.12E-03	2.00E-03	5.81E-04	9.58E-04	1.54E-03	5.67E-04	9.35E-04	1.50E-03	5.59E-04	9.22E-04	1.48E-03
5723 488192.19, 3857385.83	0.01616	0.02608	2.53E-03	4.26E-03	2.39E-03	2.44E-03	2.30E-03	6.70E-04	1.08E-03	1.75E-03	6.54E-04	1.06E-03	1.71E-03	6.46E-04	1.04E-03	1.69E-03
5724 488191.21, 3857473.87	0.01737	0.02854	2.72E-03	4.66E-03	2.56E-03	2.63E-03	2.48E-03	7.21E-04	1.18E-03	1.90E-03	7.03E-04	1.16E-03	1.86E-03	6.94E-04	1.14E-03	1.83E-03
5725 488190.24, 3857561.9	0.01878	0.03157	2.94E-03	5.15E-03	2.77E-03	2.84E-03	2.68E-03	7.79E-04	1.31E-03	2.09E-03	7.60E-04	1.28E-03	2.04E-03	7.50E-04	1.26E-03	2.01E-03
5726 488158.35, 3857691.13	0.02153	0.03939	3.37E-03	6.43E-03	3.18E-03	3.25E-03	3.07E-03	8.93E-04	1.63E-03	2.53E-03	8.72E-04	1.59E-03	2.47E-03	8.60E-04	1.57E-03	2.43E-03
5727 488208.37, 3857816.66	0.02409	0.04498	3.77E-03	7.34E-03	3.56E-03	3.64E-03	3.43E-03	9.99E-04	1.87E-03	2.87E-03	9.75E-04	1.82E-03	2.80E-03	9.62E-04	1.80E-03	2.76E-03
5728 488271.97, 3857874.6	0.02495	0.04476	3.91E-03	7.31E-03	3.68E-03	3.77E-03	3.56E-03	1.04E-03	1.86E-03	2.89E-03	1.01E-03	1.81E-03	2.82E-03	9.97E-04	1.79E-03	2.78E-03
5729 488463.56, 3857942.31	0.02447	0.03741	3.83E-03	6.11E-03	3.61E-03	3.70E-03	3.49E-03	1.02E-03	1.55E-03	2.57E-03	9.91E-04	1.51E-03	2.51E-03	9.78E-04	1.49E-03	2.47E-03
5730 488554.83, 3857940.83	0.02326	0.03327	3.64E-03	5.43E-03	3.43E-03	3.52E-03	3.32E-03	9.65E-04	1.38E-03	2.35E-03	9.42E-04	1.35E-03	2.29E-03	9.29E-04	1.33E-03	2.26E-03
5731 488646.1, 3857939.36	0.02217	0.03	3.47E-03	4.90E-03	3.27E-03	3.35E-03	3.16E-03	9.20E-04	1.24E-03	2.16E-03	8.98E-04	1.21E-03	2.11E-03	8.86E-04	1.20E-03	2.08E-03
5732 488737.37, 3857937.88	0.02116	0.02738	3.31E-03	4.47E-03	3.12E-03	3.20E-03	3.02E-03	8.78E-04	1.14E-03	2.01E-03	8.57E-04	1.11E-03	1.97E-03	8.45E-04	1.09E-03	1.94E-03
5733 488733.59, 3857960.57	0.02167	0.02811	3.39E-03	4.59E-03	3.20E-03	3.28E-03	3.09E-03	8.99E-04	1.17E-03	2.07E-03	8.77E-04	1.14E-03	2.02E-03	8.66E-04	1.12E-03	1.99E-03
5734 488638.09, 3857961.57	0.02277	0.03103	3.57E-03	5.06E-03	3.36E-03	3.44E-03	3.25E-03	9.45E-04	1.29E-03	2.23E-03	9.22E-04	1.26E-03	2.18E-03	9.10E-04	1.24E-03	2.15E-03
5735 488542.6, 3857962.56	0.024	0.03476	3.76E-03	5.67E-03	3.54E-03	3.63E-03	3.42E-03	9.96E-04	1.44E-03	2.44E-03	9.72E-04	1.41E-03	2.38E-03	9.59E-04	1.39E-03	2.35E-03
5736 488447.1, 3857963.56	0.02533	0.03956	3.97E-03	6.46E-03	3.74E-03	3.83E-03	3.61E-03	1.05E-03	1.64E-03	2.69E-03	1.03E-03	1.60E-03	2.63E-03	1.01E-03	1.58E-03	2.59E-03
5737 488254.28, 3857890.36	0.02571	0.0476	4.03E-03	7.77E-03	3.79E-03	3.89E-03	3.67E-03	1.07E-03	1.97E-03	3.04E-03	1.04E-03	1.93E-03	2.97E-03	1.03E-03	1.90E-03	2.93E-03
5738 488191.69, 3857833.06	0.02476	0.04779	3.88E-03	7.80E-03	3.65E-03	3.74E-03	3.53E-03	1.03E-03	1.98E-03	3.01E-03	1.00E-03	1.93E-03	2.94E-03	9.89E-04	1.91E-03	2.90E-03

5739 488129.5, 3857907.43	0.02843	0.06509	4.45E-03	1.06E-02	4.20E-03	4.30E-03	4.05E-03	1.18E-03	2.70E-03	3.88E-03	1.15E-03	2.64E-03	3.79E-03	1.14E-03	2.60E-03	3.74E-03
5740 488196.47, 3857968.73	0.02976	0.06472	4.66E-03	1.06E-02	4.39E-03	4.50E-03	4.24E-03	1.23E-03	2.69E-03	3.92E-03	1.20E-03	2.62E-03	3.82E-03	1.19E-03	2.59E-03	3.77E-03
5741 488263.44, 3858030.04	0.03111	0.06397	4.87E-03	1.04E-02	4.59E-03	4.70E-03	4.44E-03	1.29E-03	2.65E-03	3.94E-03	1.26E-03	2.59E-03	3.85E-03	1.24E-03	2.56E-03	3.80E-03
5742 488400.64, 3858132.9	0.03304	0.05962	5.18E-03	9.73E-03	4.88E-03	4.99E-03	4.71E-03	1.37E-03	2.47E-03	3.84E-03	1.34E-03	2.41E-03	3.75E-03	1.32E-03	2.38E-03	3.70E-03
5743 488519.89, 3858218.38	0.03538	0.05781	5.54E-03	9.44E-03	5.22E-03	5.35E-03	5.04E-03	1.47E-03	2.40E-03	3.87E-03	1.43E-03	2.34E-03	3.77E-03	1.41E-03	2.31E-03	3.72E-03
5744 488647.97, 3858214.99	0.03156	0.04484	4.94E-03	7.32E-03	4.66E-03	4.77E-03	4.50E-03	1.31E-03	1.86E-03	3.17E-03	1.28E-03	1.82E-03	3.09E-03	1.26E-03	1.79E-03	3.05E-03
5745 488727.05, 3858167.67	0.02781	0.03687	4.36E-03	6.02E-03	4.10E-03	4.20E-03	3.97E-03	1.15E-03	1.53E-03	2.68E-03	1.13E-03	1.49E-03	2.62E-03	1.11E-03	1.47E-03	2.58E-03
5746 488806.12, 3858120.35	0.02488	0.03146	3.90E-03	5.14E-03	3.67E-03	3.76E-03	3.55E-03	1.03E-03	1.31E-03	2.34E-03	1.01E-03	1.27E-03	2.28E-03	9.94E-04	1.26E-03	2.25E-03
5747 488885.2, 3858073.03	0.02254	0.0275	3.53E-03	4.49E-03	3.33E-03	3.41E-03	3.21E-03	9.35E-04	1.14E-03	2.08E-03	9.13E-04	1.11E-03	2.03E-03	9.00E-04	1.10E-03	2.00E-03
5748 489055.76, 3857991.17	0.01909	0.02212	2.99E-03	3.61E-03	2.82E-03	2.89E-03	2.72E-03	7.92E-04	9.18E-04	1.71E-03	7.73E-04	8.96E-04	1.67E-03	7.63E-04	8.84E-04	1.65E-03
5749 489245.39, 3857944.54	0.01686	0.01886	2.64E-03	3.08E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.82E-04	1.48E-03	6.83E-04	7.64E-04	1.45E-03	6.74E-04	7.53E-04	1.43E-03
5750 489430.63, 3857930.91	0.01559	0.01693	2.44E-03	2.76E-03	2.30E-03	2.36E-03	2.22E-03	6.47E-04	7.02E-04	1.35E-03	6.31E-04	6.85E-04	1.32E-03	6.23E-04	6.76E-04	1.30E-03
5751 489517.74, 3857929.36	0.0151	0.01621	2.37E-03	2.65E-03	2.23E-03	2.28E-03	2.15E-03	6.26E-04	6.73E-04	1.30E-03	6.11E-04	6.56E-04	1.27E-03	6.03E-04	6.48E-04	1.25E-03
5752 489604.85, 3857927.82	0.01462	0.01554	2.29E-03	2.54E-03	2.16E-03	2.21E-03	2.08E-03	6.07E-04	6.45E-04	1.25E-03	5.92E-04	6.29E-04	1.22E-03	5.84E-04	6.21E-04	1.20E-03
5753 489691.97, 3857926.28	0.0142	0.01495	2.22E-03	2.44E-03	2.10E-03	2.15E-03	2.02E-03	5.89E-04	6.20E-04	1.21E-03	5.75E-04	6.05E-04	1.18E-03	5.67E-04	5.97E-04	1.16E-03
5754 489779.08, 3857924.73	0.01379	0.0144	2.16E-03	2.35E-03	2.04E-03	2.08E-03	1.97E-03	5.72E-04	5.97E-04	1.17E-03	5.58E-04	5.83E-04	1.14E-03	5.51E-04	5.75E-04	1.13E-03
5755 490017.55, 3857875.08	0.01248	0.01285	1.96E-03	2.10E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	5.33E-04	1.05E-03	5.05E-04	5.20E-04	1.03E-03	4.99E-04	5.13E-04	1.01E-03
5756 490033.82, 3857960.81	0.01307	0.01328	2.05E-03	2.17E-03	1.93E-03	1.98E-03	1.86E-03	5.42E-04	5.51E-04	1.09E-03	5.29E-04	5.38E-04	1.07E-03	5.22E-04	5.30E-04	1.05E-03
5757 489959.15, 3857987.49	0.01362	0.01386	2.13E-03	2.26E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.75E-04	1.14E-03	5.51E-04	5.61E-04	1.11E-03	5.44E-04	5.54E-04	1.10E-03
5758 489791.49, 3858016.12	0.0145	0.01495	2.27E-03	2.44E-03	2.14E-03	2.19E-03	2.07E-03	6.02E-04	6.20E-04	1.22E-03	5.87E-04	6.05E-04	1.19E-03	5.79E-04	5.97E-04	1.18E-03
5759 489698.51, 3858018.07	0.01499	0.0156	2.35E-03	2.55E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.47E-04	1.27E-03	6.07E-04	6.32E-04	1.24E-03	5.99E-04	6.23E-04	1.22E-03
5760 489605.52, 3858020.01	0.01553	0.01632	2.43E-03	2.66E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.77E-04	1.32E-03	6.29E-04	6.61E-04	1.29E-03	6.20E-04	6.52E-04	1.27E-03
5761 489512.53, 3858021.96	0.0161	0.01711	2.52E-03	2.79E-03	2.38E-03	2.43E-03	2.30E-03	6.68E-04	7.10E-04	1.38E-03	6.52E-04	6.93E-04	1.34E-03	6.43E-04	6.83E-04	1.33E-03
5762 489419.55, 3858023.91	0.01674	0.01801	2.62E-03	2.94E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	7.47E-04	1.44E-03	6.78E-04	7.29E-04	1.41E-03	6.69E-04	7.19E-04	1.39E-03
5763 489228.47, 3858041.29	0.01826	0.0203	2.86E-03	3.31E-03	2.69E-03	2.76E-03	2.60E-03	7.58E-04	8.42E-04	1.60E-03	7.39E-04	8.22E-04	1.56E-03	7.29E-04	8.11E-04	1.54E-03
5764 489065.75, 3858085.78	0.02066	0.02373	3.24E-03	3.87E-03	3.05E-03	3.12E-03	2.95E-03	8.57E-04	9.85E-04	1.84E-03	8.36E-04	9.61E-04	1.80E-03	8.25E-04	9.48E-04	1.77E-03
5765 489001.12, 3858114.86	0.02201	0.02573	3.45E-03	4.20E-03	3.25E-03	3.33E-03	3.14E-03	9.13E-04	1.07E-03	1.98E-03	8.91E-04	1.04E-03	1.93E-03	8.79E-04	1.03E-03	1.91E-03
5766 488861.89, 3858189.81	0.02592	0.03205	4.06E-03	5.23E-03	3.83E-03	3.92E-03	3.70E-03	1.08E-03	1.33E-03	2.41E-03	1.05E-03	1.30E-03	2.35E-03	1.04E-03	1.28E-03	2.32E-03
5767 488787.29, 3858235.69	0.02917	0.03754	4.57E-03	6.13E-03	4.31E-03	4.41E-03	4.16E-03	1.21E-03	1.56E-03	2.77E-03	1.18E-03	1.52E-03	2.70E-03	1.17E-03	1.50E-03	2.66E-03
5768 488712.68, 3858281.57	0.03305	0.04525	5.18E-03	7.39E-03	4.88E-03	5.00E-03	4.71E-03	1.37E-03	1.88E-03	3.25E-03	1.34E-03	1.83E-03	3.17E-03	1.32E-03	1.81E-03	3.13E-03
5769 488654.39, 3858436.17	0.04771	0.0753	7.47E-03	1.23E-02	7.04E-03	7.21E-03	6.80E-03	1.98E-03	3.12E-03	5.10E-03	1.93E-03	3.05E-03	4.98E-03	1.91E-03	3.01E-03	4.91E-03
5770 488726.3, 3858505.26	0.05142	0.07595	8.06E-03	1.24E-02	7.59E-03	7.77E-03	7.33E-03	2.13E-03	3.15E-03	5.28E-03	2.08E-03	3.07E-03	5.16E-03	2.05E-03	3.03E-03	5.09E-03
5771 488880.6, 3858599.28	0.05267	0.06621	8.25E-03	1.08E-02	7.77E-03	7.96E-03	7.51E-03	2.19E-03	2.75E-03	4.93E-03	2.13E-03	2.68E-03	4.81E-03	2.10E-03	2.64E-03	4.75E-03
5772 489008.06, 3858714.75	0.05993	0.06981	9.39E-03	1.14E-02	8.84E-03	9.06E-03	8.55E-03	2.49E-03	2.90E-03	5.38E-03	2.43E-03	2.83E-03	5.25E-03	2.39E-03	2.79E-03	5.18E-03
5773 489071.48, 3858772.72	0.06442	0.07369	1.01E-02	1.20E-02	9.51E-03	9.74E-03	9.19E-03	2.67E-03	3.06E-03	5.73E-03	2.61E-03	2.98E-03	5.59E-03	2.57E-03	2.94E-03	5.52E-03
5774 489244.59, 3858920.19	0.07796	0.08341	1.22E-02	1.36E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.46E-03	6.69E-03	3.16E-03	3.38E-03	6.53E-03	3.11E-03	3.33E-03	6.45E-03
5775 489239.69, 3858952.23	0.09079	0.09792	1.42E-02	1.60E-02	1.34E-02	1.37E-02	1.29E-02	3.77E-03	4.06E-03	7.83E-03	3.68E-03	3.96E-03	7.64E-03	3.63E-03	3.91E-03	7.54E-03
5776 489121.67, 3858854.49	0.07859	0.09001	1.23E-02	1.47E-02	1.16E-02	1.19E-02	1.12E-02	3.26E-03	3.73E-03	6.99E-03	3.18E-03	3.64E-03	6.83E-03	3.14E-03	3.60E-03	6.74E-03
5777 489059.59, 3858797.27	0.07187	0.08417	1.13E-02	1.37E-02	1.06E-02	1.09E-02	1.02E-02	2.98E-03	3.49E-03	6.47E-03	2.91E-03	3.41E-03	6.32E-03	2.87E-03	3.36E-03	6.23E-03
5778 488997.52, 3858740.04	0.06614	0.07879	1.04E-02	1.29E-02	9.76E-03	1.00E-02	9.43E-03	2.74E-03	3.27E-03	6.01E-03	2.68E-03	3.19E-03	5.87E-03	2.64E-03	3.15E-03	5.79E-03
5779 488935.44, 3858682.82	0.06142	0.07489	9.62E-03	1.22E-02	9.06E-03	9.28E-03	8.76E-03	2.55E-03	3.11E-03	5.66E-03	2.49E-03	3.03E-03	5.52E-03	2.45E-03	2.99E-03	5.45E-03
5780 488869.17, 3858848.43	0.17209	0.33711	2.70E-02	5.50E-02	2.54E-02	2.60E-02	2.45E-02	7.14E-03	1.40E-02	2.11E-02	6.97E-03	1.36E-02	2.06E-02	6.87E-03	1.35E-02	2.03E-02
5781 488932.48, 3858892.69	0.18727	0.3355	2.93E-02	5.48E-02	2.76E-02	2.83E-02	2.67E-02	7.77E-03	1.39E-02	2.17E-02	7.58E-03	1.36E-02	2.12E-02	7.48E-03	1.34E-02	2.09E-02
5782 489063.27, 3858977.17	0.21175	0.30352	3.32E-02	4.95E-02	3.13E-02	3.20E-02	3.02E-02	8.79E-03	1.26E-02	2.14E-02	8.57E-03	1.23E-02	2.09E-02	8.46E-03	1.21E-02	2.06E-02
5783 489248.2, 3859117.15	0.33661	0.39193	5.27E-02	6.40E-02	4.97E-02	5.09E-02	4.80E-02	1.40E-02	1.63E-02	3.02E-02	1.36E-02	1.59E-02	2.95E-02	1.34E-02	1.57E-02	2.91E-02
5784 489296.25, 3859049.22	0.13213	0.13983	2.07E-02	2.28E-02	1.95E-02	2.00E-02	1.88E-02	5.48E-03	5.80E-03	1.13E-02	5.35E-03	5.66E-03	1.10E-02	5.28E-03	5.59E-03	1.09E-02
5785 489353.38, 3858993.96	0.08278	0.08466	1.30E-02	1.38E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.51E-03	6.95E-03	3.35E-03	3.43E-03	6.78E-03	3.31E-03	3.38E-03	6.69E-03
5786 489537.24, 3859120.22	0.09255	0.09309	1.45E-02	1.52E-02	1.37E-02	1.40E-02	1.32E-02	3.84E-03	3.86E-03	7.70E-03	3.75E-03	3.77E-03	7.52E-03	3.70E-03	3.72E-03	7.42E-03
5787 489726.98, 3859246.04	0.10363	0.10379	1.62E-02	1.69E-02	1.53E-02	1.57E-02	1.48E-02	4.30E-03	4.31E-03	8.61E-03	4.20E-03	4.20E-03	8.40E-03	4.14E-03	4.15E-03	8.29E-03
5788 489911.46, 3859366.33	0.11477	0.11587	1.80E-02	1.89E-02	1.69E-02	1.73E-02	1.64E-02	4.76E-03	4.81E-03	9.57E-03	4.65E-03	4.69E-03	9.34E-03	4.58E-03	4.63E-03	9.21E-03
5789 490035.3, 3859430.26	0.11399	0.11491	1.79E-02	1.88E-02	1.68E-02	1.72E-02	1.63E-02	4.73E-03	4.77E-03	9.50E-03	4.61E-03	4.65E-03	9.27E-03	4.55E-03	4.59E-03	9.14E-03
5790 490101.11, 3859458.61	0.11038	0.11105	1.73E-02	1.81E-02	1.63E-02	1.67E-02	1.57E-02	4.58E-03	4.61E-03	9.19E-03	4.47E-03	4.50E-03	8.96E-03	4.41E-03	4.44E-03	8.85E-03
5791 490312.68, 3859560.3	0.11937	0.11972	1.87E-02	1.95E-02	1.76E-02	1.80E-02	1.70E-02	4.95E-03	4.97E-03	9.92E-03	4.83E-03	4.85E-03	9.68E-03	4.77E-03	4.78E-03	9.55E-03
5792 490401.63, 3859603.12	0.12686	0.12805	1.99E-02	2.09E-02	1.87E-02	1.92E-02	1.81E-02	5.26E-03	5.31E-03	1.06E-02	5.14E-03	5.18E-03	1.03E-02	5.07E-03	5.12E-03	1.02E-02
5793 490490.57, 3859645.94	0.1346	0.1368	2.11E-02	2.23E-02	1.99E-02	2.03E-02	1.92E-02	5.58E-03	5.68E-03	1.13E-02	5.45E-03	5.54E-03	1.10E-02	5.38E-03	5.46E-03	1.08E-02
5794 490579.51, 3859688.76	0.14195	0.1453	2.22E-02	2.37E-02	2.10E-02	2.15E-02	2.02E-02	5.89E-03	6.03E-03	1.19E-02	5.75E-03	5.88E-03	1.16E-02	5.67E-03	5.80E-03	1.15E-02
5795 490668.45, 3859731.58	0.14603	0.15064	2.29E-02	2.46E-02	2.16E-02	2.21E-02	2.08E-02	6.06E-03	6.25E-03	1.23E-02	5.91E-03	6.10E-03	1.20E-02	5.83E-03	6.02E-03	1.19E-02
5796 490757.4, 3859774.4	0.15859	0.16494	2.48E-02	2.69E-02	2.34E-02	2.40E-02	2.26E-02	6.58E-03	6.84E-03	1.34E-02	6.42E-03	6.68E-03	1.31E-02	6.34E-03	6.59E-03	1.29E-02
5797 491003.53, 3859861.82	0.13773	0.14404	2.16E-02	2.35E-02	2.03E-02	2.08E-02	1.96E-02	5.71E-03	5.98E-03	1.17E-02	5.58E-03	5.83E-03	1.14E-02	5.50E-03	5.75E-03	1.13E-02
5798 491081.41, 3859879.05	0.12187	0.12489	1.91E-02	2.04E-02	1.80E-02	1.84E-02	1.74E-02	5.06E-03	5.18E-03	1.02E-02	4.93E-03	5.06E-03	9.99E-03	4.87E-03	4.99E-03	9.86E-03
5799 491229.76, 3859917.82	0.09862	0.09787	1.54E-02	1.60E-02	1.46E-02	1.49E-02	1.41E-02	4.09E-03	4.06E-03	8.15E-03	3.99E-03	3.96E-03	7.95E-03	3.94E-03	3.91E-03	7.85E-03
5800 491300.22, 3859939.35	0.08964	0.08912	1.40E-02	1.45E-02	1.32E-02	1.36E-02	1.28E-02	3.72E-03	3.70E-03	7.42E-03	3.63E-03	3.61E-03	7.24E-03	3.58E-03	3.56E-03	7.14E-03
5801 491350.48, 3860012.03	0.10712	0.10565	1.68E-02	1.72E-02	1.58E-02	1.62E-02	1.53E-02	4.44E-03	4.38E-03	8.83E-03	4.34E-03	4.28E-03	8.61E-03	4.28E-03	4.22E-03	8.50E-03
5802 491406.82, 3860092.56	0.12465	0.12379	1.95E-02	2.02E-02	1.84E-02	1.88E-02	1.78E-02	5.17E-03	5.14E-03	1.03E-02	5.05E-03	5.01E-03	1.01E-02	4.98E-03	4.95E-03	9.92E-03
5803 491483.36, 3860121.96	0.10598	0.10655	1.66E-02	1.74E-02	1.56E-02	1.60E-02	1.51E-02	4.40E-03	4.42E-03	8.82E-03	4.29E-03	4.31E-03	8.60E-03	4.23E-03	4.26E-03	8.49E-03
5804 491559.91, 3860151.35	0.09233	0.0936	1.45E-02	1.53E-02	1.36E-02	1.40E-02	1.32E-02	3.83E-03	3.88E-03	7.71E-03	3.74E-03	3.79E-03	7.53E-03	3.69E-03	3.74E-03	7.43E-03

5805 491711.81, 3860237.76	0.06684	0.06872	1.05E-02	1.12E-02	9.86E-03	1.01E-02	9.53E-03	2.77E-03	2.85E-03	5.62E-03	2.71E-03	2.78E-03	5.49E-03	2.67E-03	2.75E-03	5.42E-03
5806 491755.2, 3860319.07	0.09579	0.09971	1.50E-02	1.63E-02	1.41E-02	1.45E-02	1.37E-02	3.97E-03	4.14E-03	8.11E-03	3.88E-03	4.04E-03	7.91E-03	3.83E-03	3.98E-03	7.81E-03
5807 491704.71, 3860366.54	0.15387	0.16257	2.41E-02	2.65E-02	2.27E-02	2.33E-02	2.19E-02	6.38E-03	6.74E-03	1.31E-02	6.23E-03	6.58E-03	1.28E-02	6.15E-03	6.49E-03	1.26E-02
5808 491623.42, 3860462.39	0.17018	0.14981	2.67E-02	2.45E-02	2.51E-02	2.57E-02	2.43E-02	7.06E-03	6.22E-03	1.33E-02	6.89E-03	6.06E-03	1.30E-02	6.80E-03	5.98E-03	1.28E-02
5809 491534.02, 3860439.84	0.07019	0.06721	1.10E-02	1.10E-02	1.04E-02	1.06E-02	1.00E-02	2.91E-03	2.79E-03	5.70E-03	2.84E-03	2.72E-03	5.56E-03	2.80E-03	2.68E-03	5.49E-03
5810 491313.95, 3860268.17	0.087	0.08673	1.36E-02	1.42E-02	1.28E-02	1.32E-02	1.24E-02	3.61E-03	3.60E-03	7.21E-03	3.52E-03	3.51E-03	7.03E-03	3.48E-03	3.46E-03	6.94E-03
5811 491187.12, 3860143.56	0.12379	0.13049	1.94E-02	2.13E-02	1.83E-02	1.87E-02	1.77E-02	5.14E-03	5.41E-03	1.05E-02	5.01E-03	5.28E-03	1.03E-02	4.95E-03	5.21E-03	1.02E-02
5812 491070.43, 3860075.97	0.10905	0.11076	1.71E-02	1.81E-02	1.61E-02	1.65E-02	1.55E-02	4.52E-03	4.60E-03	9.12E-03	4.41E-03	4.48E-03	8.90E-03	4.36E-03	4.42E-03	8.78E-03
5813 490995.09, 3860039.38	0.10068	0.10239	1.58E-02	1.67E-02	1.49E-02	1.52E-02	1.44E-02	4.18E-03	4.25E-03	8.42E-03	4.08E-03	4.15E-03	8.22E-03	4.02E-03	4.09E-03	8.11E-03
5814 490919.75, 3860002.8	0.10309	0.10047	1.61E-02	1.64E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.17E-03	8.45E-03	4.17E-03	4.07E-03	8.24E-03	4.12E-03	4.01E-03	8.13E-03
5815 490756.81, 3859894.53	0.24408	0.22205	3.82E-02	3.62E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	9.21E-03	1.93E-02	9.88E-03	8.99E-03	1.89E-02	9.75E-03	8.87E-03	1.86E-02
5816 490668.07, 3859860.92	0.22884	0.21149	3.58E-02	3.45E-02	3.38E-02	3.46E-02	3.26E-02	9.49E-03	8.77E-03	1.83E-02	9.26E-03	8.56E-03	1.78E-02	9.14E-03	8.45E-03	1.76E-02
5817 490579.34, 3859827.3	0.222	0.20851	3.48E-02	3.40E-02	3.28E-02	3.36E-02	3.17E-02	9.21E-03	8.65E-03	1.79E-02	8.99E-03	8.44E-03	1.74E-02	8.87E-03	8.33E-03	1.72E-02
5818 490490.6, 3859793.68	0.20552	0.19623	3.22E-02	3.20E-02	3.03E-02	3.11E-02	2.93E-02	8.53E-03	8.14E-03	1.67E-02	8.32E-03	7.94E-03	1.63E-02	8.21E-03	7.84E-03	1.60E-02
5819 490401.86, 3859760.07	0.19363	0.18749	3.03E-02	3.06E-02	2.86E-02	2.93E-02	2.76E-02	8.03E-03	7.78E-03	1.58E-02	7.84E-03	7.59E-03	1.54E-02	7.73E-03	7.49E-03	1.52E-02
5820 490313.12, 3859726.45	0.18846	0.18484	2.95E-02	3.02E-02	2.78E-02	2.85E-02	2.69E-02	7.82E-03	7.67E-03	1.55E-02	7.63E-03	7.48E-03	1.51E-02	7.53E-03	7.38E-03	1.49E-02
5821 490224.39, 3859692.83	0.18419	0.18269	2.89E-02	2.98E-02	2.72E-02	2.78E-02	2.63E-02	7.64E-03	7.58E-03	1.52E-02	7.46E-03	7.40E-03	1.49E-02	7.36E-03	7.30E-03	1.47E-02
5822 490135.65, 3859659.22	0.18046	0.18071	2.83E-02	2.95E-02	2.66E-02	2.73E-02	2.57E-02	7.49E-03	7.50E-03	1.50E-02	7.31E-03	7.32E-03	1.46E-02	7.21E-03	7.22E-03	1.44E-02
5823 489918.18, 3859559.23	0.19011	0.18316	2.98E-02	2.99E-02	2.81E-02	2.87E-02	2.71E-02	7.89E-03	7.60E-03	1.55E-02	7.70E-03	7.42E-03	1.51E-02	7.59E-03	7.32E-03	1.49E-02
5824 489743.61, 3859486	0.12579	0.1208	1.97E-02	1.97E-02	1.86E-02	1.90E-02	1.79E-02	5.22E-03	5.01E-03	1.02E-02	5.09E-03	4.89E-03	9.98E-03	5.02E-03	4.83E-03	9.85E-03
5825 489660.32, 3859440.27	0.12565	0.11997	1.97E-02	1.96E-02	1.85E-02	1.90E-02	1.79E-02	5.21E-03	4.98E-03	1.02E-02	5.09E-03	4.86E-03	9.94E-03	5.02E-03	4.79E-03	9.81E-03
5826 489577.04, 3859394.53	0.12565	0.1192	1.97E-02	1.95E-02	1.85E-02	1.90E-02	1.79E-02	5.21E-03	4.95E-03	1.02E-02	5.09E-03	4.83E-03	9.91E-03	5.02E-03	4.76E-03	9.78E-03
5827 489493.75, 3859348.8	0.125	0.11747	1.96E-02	1.92E-02	1.84E-02	1.89E-02	1.78E-02	5.19E-03	4.87E-03	1.01E-02	5.06E-03	4.76E-03	9.82E-03	4.99E-03	4.69E-03	9.69E-03
5828 489321.28, 3859240.02	0.15791	0.13501	2.47E-02	2.20E-02	2.33E-02	2.39E-02	2.25E-02	6.55E-03	5.60E-03	1.22E-02	6.39E-03	5.47E-03	1.19E-02	6.31E-03	5.39E-03	1.17E-02
5829 489235.41, 3859193.96	0.1561	0.12683	2.45E-02	2.07E-02	2.30E-02	2.36E-02	2.23E-02	6.48E-03	5.26E-03	1.17E-02	6.32E-03	5.13E-03	1.15E-02	6.24E-03	5.07E-03	1.13E-02
5830 489149.54, 3859147.89	0.14849	0.11438	2.33E-02	1.87E-02	2.19E-02	2.24E-02	2.12E-02	6.16E-03	4.75E-03	1.09E-02	6.01E-03	4.63E-03	1.06E-02	5.93E-03	4.57E-03	1.05E-02
5831 489063.68, 3859101.82	0.14774	0.10102	2.31E-02	1.65E-02	2.18E-02	2.23E-02	2.11E-02	6.13E-03	4.19E-03	1.03E-02	5.98E-03	4.09E-03	1.01E-02	5.90E-03	4.04E-03	9.94E-03
5832 488977.81, 3859055.75	0.14653	0.08633	2.30E-02	1.41E-02	2.16E-02	2.21E-02	2.09E-02	6.08E-03	3.58E-03	9.66E-03	5.93E-03	3.50E-03	9.43E-03	5.85E-03	3.45E-03	9.30E-03
5833 488891.94, 3859009.69	0.14146	0.07365	2.22E-02	1.20E-02	2.09E-02	2.14E-02	2.02E-02	5.87E-03	3.06E-03	8.92E-03	5.73E-03	2.98E-03	8.71E-03	5.65E-03	2.94E-03	8.59E-03
5834 488808, 3859060.73	0.04935	0.03524	7.73E-03	5.75E-03	7.28E-03	7.46E-03	7.04E-03	2.05E-03	1.46E-03	3.51E-03	2.00E-03	1.43E-03	3.42E-03	1.97E-03	1.41E-03	3.38E-03
5835 488809.93, 3859157.85	0.02968	0.0243	4.65E-03	3.97E-03	4.38E-03	4.49E-03	4.23E-03	1.23E-03	1.01E-03	2.24E-03	1.20E-03	9.84E-04	2.19E-03	1.19E-03	9.71E-04	2.16E-03
5836 488811.85, 3859254.96	0.02143	0.01862	3.36E-03	3.04E-03	3.16E-03	3.24E-03	3.06E-03	8.89E-04	7.73E-04	1.66E-03	8.68E-04	7.54E-04	1.62E-03	8.56E-04	7.44E-04	1.60E-03
5837 488813.78, 3859352.07	0.01692	0.01517	2.65E-03	2.48E-03	2.50E-03	2.56E-03	2.41E-03	7.02E-04	6.29E-04	1.33E-03	6.85E-04	6.14E-04	1.30E-03	6.76E-04	6.06E-04	1.28E-03
5838 488815.71, 3859449.19	0.0141	0.01287	2.21E-03	2.10E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	5.34E-04	1.12E-03	5.71E-04	5.21E-04	1.09E-03	5.63E-04	5.14E-04	1.08E-03
5839 488910.04, 3859547.1	0.01304	0.01212	2.04E-03	1.98E-03	1.92E-03	1.97E-03	1.86E-03	5.41E-04	5.03E-04	1.04E-03	5.28E-04	4.91E-04	1.02E-03	5.21E-04	4.84E-04	1.01E-03
5840 489002.45, 3859547.91	0.01415	0.01325	2.22E-03	2.16E-03	2.09E-03	2.14E-03	2.02E-03	5.87E-04	5.50E-04	1.14E-03	5.73E-04	5.36E-04	1.11E-03	5.65E-04	5.29E-04	1.09E-03
5841 489094.85, 3859548.71	0.01552	0.01464	2.43E-03	2.39E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.07E-04	1.25E-03	6.28E-04	5.93E-04	1.22E-03	6.20E-04	5.85E-04	1.20E-03
5842 489230.05, 3859601.87	0.01614	0.01538	2.53E-03	2.51E-03	2.38E-03	2.44E-03	2.30E-03	6.70E-04	6.38E-04	1.31E-03	6.53E-04	6.23E-04	1.28E-03	6.45E-04	6.14E-04	1.26E-03
5843 489227.52, 3859680.89	0.01388	0.01327	2.17E-03	2.17E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	5.51E-04	1.13E-03	5.62E-04	5.37E-04	1.10E-03	5.54E-04	5.30E-04	1.08E-03
5844 489133.47, 3859760.29	0.01142	0.01089	1.79E-03	1.78E-03	1.69E-03	1.73E-03	1.63E-03	4.74E-04	4.52E-04	9.26E-04	4.62E-04	4.41E-04	9.03E-04	4.56E-04	4.35E-04	8.91E-04
5845 489041.96, 3859760.67	0.01072	0.01016	1.68E-03	1.66E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	4.22E-04	8.66E-04	4.34E-04	4.11E-04	8.45E-04	4.28E-04	4.06E-04	8.34E-04
5846 488950.45, 3859761.05	0.0101	0.00952	1.58E-03	1.55E-03	1.49E-03	1.53E-03	1.44E-03	4.19E-04	3.95E-04	8.14E-04	4.09E-04	3.85E-04	7.94E-04	4.03E-04	3.80E-04	7.84E-04
5847 488858.94, 3859761.43	0.00957	0.00897	1.50E-03	1.46E-03	1.41E-03	1.45E-03	1.36E-03	3.97E-04	3.72E-04	7.69E-04	3.87E-04	3.63E-04	7.51E-04	3.82E-04	3.58E-04	7.41E-04
5848 488767.43, 3859761.82	0.00907	0.00846	1.42E-03	1.38E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	3.51E-04	7.27E-04	3.67E-04	3.42E-04	7.10E-04	3.62E-04	3.38E-04	7.00E-04
5849 488675.92, 3859762.2	0.00864	0.00803	1.35E-03	1.31E-03	1.28E-03	1.31E-03	1.23E-03	3.58E-04	3.33E-04	6.92E-04	3.50E-04	3.25E-04	6.75E-04	3.45E-04	3.21E-04	6.66E-04
5850 488584.41, 3859762.58	0.00824	0.00763	1.29E-03	1.25E-03	1.22E-03	1.25E-03	1.17E-03	3.42E-04	3.17E-04	6.58E-04	3.34E-04	3.09E-04	6.42E-04	3.29E-04	3.05E-04	6.34E-04
5851 488492.9, 3859762.96	0.00789	0.00729	1.24E-03	1.19E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.02E-04	6.30E-04	3.19E-04	2.95E-04	6.15E-04	3.15E-04	2.91E-04	6.06E-04
5852 488402.76, 3859830.95	0.00723	0.0067	1.13E-03	1.09E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.78E-04	5.78E-04	2.93E-04	2.71E-04	5.64E-04	2.89E-04	2.68E-04	5.56E-04
5853 488404.14, 3859898.55	0.00692	0.00644	1.08E-03	1.05E-03	1.02E-03	1.05E-03	9.87E-04	2.87E-04	2.67E-04	5.54E-04	2.80E-04	2.61E-04	5.41E-04	2.76E-04	2.57E-04	5.34E-04
5854 488505.18, 3859964.96	0.0069	0.00647	1.08E-03	1.06E-03	1.02E-03	1.04E-03	9.84E-04	2.86E-04	2.68E-04	5.55E-04	2.79E-04	2.62E-04	5.41E-04	2.76E-04	2.58E-04	5.34E-04
5855 488604.84, 3859963.76	0.00715	0.00672	1.12E-03	1.10E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.79E-04	5.75E-04	2.89E-04	2.72E-04	5.62E-04	2.86E-04	2.68E-04	5.54E-04
5856 488704.51, 3859962.56	0.00744	0.00701	1.17E-03	1.14E-03	1.10E-03	1.12E-03	1.06E-03	3.09E-04	2.91E-04	5.99E-04	3.01E-04	2.84E-04	5.85E-04	2.97E-04	2.80E-04	5.77E-04
5857 488804.18, 3859961.37	0.00777	0.00734	1.22E-03	1.20E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	3.05E-04	6.27E-04	3.15E-04	2.97E-04	6.12E-04	3.10E-04	2.93E-04	6.04E-04
5858 488903.85, 3859960.17	0.00814	0.00771	1.28E-03	1.26E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.20E-04	6.58E-04	3.30E-04	3.12E-04	6.42E-04	3.25E-04	3.08E-04	6.33E-04
5859 489003.52, 3859958.97	0.00853	0.00811	1.34E-03	1.32E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.36E-04	6.90E-04	3.45E-04	3.28E-04	6.74E-04	3.41E-04	3.24E-04	6.65E-04
5860 489103.18, 3859957.77	0.00897	0.00857	1.41E-03	1.40E-03	1.32E-03	1.36E-03	1.28E-03	3.72E-04	3.56E-04	7.28E-04	3.63E-04	3.47E-04	7.10E-04	3.58E-04	3.42E-04	7.01E-04
5861 489201.48, 3860046.59	0.00867	0.00833	1.36E-03	1.36E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	3.46E-04	7.05E-04	3.51E-04	3.37E-04	6.88E-04	3.46E-04	3.33E-04	6.79E-04
5862 489200.11, 3860136.61	0.00803	0.00772	1.26E-03	1.26E-03	1.19E-03	1.21E-03	1.14E-03	3.33E-04	3.20E-04	6.53E-04	3.25E-04	3.13E-04	6.38E-04	3.21E-04	3.08E-04	6.29E-04
5863 489198.74, 3860226.63	0.00752	0.00724	1.18E-03	1.18E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.00E-04	6.12E-04	3.04E-04	2.93E-04	5.98E-04	3.00E-04	2.89E-04	5.90E-04
5864 489197.38, 3860316.66	0.00708	0.00683	1.11E-03	1.11E-03	1.04E-03	1.07E-03	1.01E-03	2.94E-04	2.83E-04	5.77E-04	2.87E-04	2.77E-04	5.63E-04	2.83E-04	2.73E-04	5.56E-04
5865 489196.01, 3860406.68	0.00667	0.00645	1.04E-03	1.05E-03	9.84E-04	1.01E-03	9.51E-04	2.77E-04	2.68E-04	5.44E-04	2.70E-04	2.61E-04	5.31E-04	2.66E-04	2.58E-04	5.24E-04
5866 489194.64, 3860496.7	0.00625	0.00605	9.79E-04	9.88E-04	9.22E-04	9.45E-04	8.91E-04	2.59E-04	2.51E-04	5.10E-04	2.53E-04	2.45E-04	4.98E-04	2.50E-04	2.42E-04	4.91E-04
5867 489193.27, 3860586.72	0.00586	0.00569	9.18E-04	9.29E-04	8.65E-04	8.86E-04	8.36E-04	2.43E-04	2.36E-04	4.79E-04	2.37E-04	2.30E-04	4.68E-04	2.34E-04	2.27E-04	4.61E-04
5868 489092.02, 3860678.13	0.00536	0.00519	8.40E-04	8.47E-04	7.91E-04	8.10E-04	7.64E-04	2.22E-04	2.15E-04	4.38E-04	2.17E-04	2.10E-04	4.27E-04	2.14E-04	2.07E-04	4.21E-04
5869 488992.13, 3860679.53	0.00521	0.00504	8.16E-04	8.23E-04	7.69E-04	7.88E-04	7.43E-04	2.16E-04	2.09E-04	4.25E-04	2.11E-04	2.04E-04	4.15E-04	2.08E-04	2.01E-04	4.09E-04
5870 488892.24, 3860680.92	0.00509	0.0049	7.97E-04	8.00E-04	7.51E-04	7.69E-04	7.26E-04	2.11E-04	2.03E-04	4.14E-04	2.06E-04	1.98E-04	4.04E-04	2.03E-04	1.96E-04	3.99E-04

5871 488792.36, 3860682.31	0.00497	0.00476	7.79E-04	7.77E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	1.97E-04	4.04E-04	2.01E-04	1.93E-04	3.94E-04	1.99E-04	1.90E-04	3.89E-04
5872 488692.48, 3860683.7	0.00486	0.00464	7.61E-04	7.57E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	1.93E-04	3.94E-04	1.97E-04	1.88E-04	3.85E-04	1.94E-04	1.85E-04	3.79E-04
5873 488592.59, 3860685.09	0.00475	0.00452	7.44E-04	7.38E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.88E-04	3.85E-04	1.92E-04	1.83E-04	3.75E-04	1.90E-04	1.81E-04	3.70E-04
5874 488492.71, 3860686.49	0.00466	0.00442	7.30E-04	7.21E-04	6.88E-04	7.04E-04	6.64E-04	1.93E-04	1.83E-04	3.77E-04	1.89E-04	1.79E-04	3.68E-04	1.86E-04	1.77E-04	3.63E-04
5875 488299.07, 3860762.18	0.00438	0.00413	6.86E-04	6.74E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.71E-04	3.53E-04	1.77E-04	1.67E-04	3.45E-04	1.75E-04	1.65E-04	3.40E-04
5876 488205.32, 3860764.09	0.0043	0.00405	6.74E-04	6.61E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.68E-04	3.46E-04	1.74E-04	1.64E-04	3.38E-04	1.72E-04	1.62E-04	3.34E-04
5877 488111.56, 3860766	0.00421	0.00396	6.60E-04	6.46E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.64E-04	3.39E-04	1.70E-04	1.60E-04	3.31E-04	1.68E-04	1.58E-04	3.26E-04
5878 488017.81, 3860767.91	0.00413	0.00387	6.47E-04	6.32E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.61E-04	3.32E-04	1.67E-04	1.57E-04	3.24E-04	1.65E-04	1.55E-04	3.20E-04
5879 487924.06, 3860769.81	0.00404	0.00378	6.33E-04	6.17E-04	5.96E-04	6.11E-04	5.76E-04	1.68E-04	1.57E-04	3.24E-04	1.64E-04	1.53E-04	3.17E-04	1.61E-04	1.51E-04	3.12E-04
5880 487830.31, 3860771.72	0.00397	0.00371	6.22E-04	6.06E-04	5.86E-04	6.00E-04	5.66E-04	1.65E-04	1.54E-04	3.19E-04	1.61E-04	1.50E-04	3.11E-04	1.59E-04	1.48E-04	3.07E-04
5881 487736.55, 3860773.63	0.00389	0.00364	6.09E-04	5.94E-04	5.74E-04	5.88E-04	5.55E-04	1.61E-04	1.51E-04	3.12E-04	1.57E-04	1.47E-04	3.05E-04	1.55E-04	1.45E-04	3.01E-04
5882 487642.8, 3860775.54	0.00383	0.00358	6.00E-04	5.84E-04	5.65E-04	5.79E-04	5.46E-04	1.59E-04	1.49E-04	3.07E-04	1.55E-04	1.45E-04	3.00E-04	1.53E-04	1.43E-04	2.96E-04
5883 487549.48, 3860684.71	0.00389	0.00363	6.09E-04	5.93E-04	5.74E-04	5.88E-04	5.55E-04	1.61E-04	1.51E-04	3.12E-04	1.57E-04	1.47E-04	3.04E-04	1.55E-04	1.45E-04	3.00E-04
5884 487549.91, 3860591.97	0.00402	0.00373	6.30E-04	6.09E-04	5.93E-04	6.08E-04	5.73E-04	1.67E-04	1.55E-04	3.22E-04	1.63E-04	1.51E-04	3.14E-04	1.61E-04	1.49E-04	3.10E-04
5885 487550.34, 3860499.23	0.00416	0.00385	6.52E-04	6.28E-04	6.14E-04	6.29E-04	5.93E-04	1.73E-04	1.60E-04	3.32E-04	1.68E-04	1.56E-04	3.24E-04	1.66E-04	1.54E-04	3.20E-04
5886 487550.76, 3860406.49	0.00433	0.004	6.78E-04	6.53E-04	6.39E-04	6.55E-04	6.17E-04	1.80E-04	1.66E-04	3.46E-04	1.75E-04	1.62E-04	3.37E-04	1.73E-04	1.60E-04	3.33E-04
5887 487551.19, 3860313.75	0.00452	0.00416	7.08E-04	6.79E-04	6.67E-04	6.83E-04	6.44E-04	1.88E-04	1.73E-04	3.60E-04	1.83E-04	1.68E-04	3.51E-04	1.81E-04	1.66E-04	3.47E-04
5888 487551.62, 3860221.01	0.00473	0.00434	7.41E-04	7.08E-04	6.98E-04	7.15E-04	6.74E-04	1.96E-04	1.80E-04	3.76E-04	1.91E-04	1.76E-04	3.67E-04	1.89E-04	1.73E-04	3.62E-04
5889 487552.05, 3860128.27	0.00497	0.00454	7.79E-04	7.41E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	1.88E-04	3.95E-04	2.01E-04	1.84E-04	3.85E-04	1.99E-04	1.81E-04	3.80E-04
5890 487552.48, 3860035.53	0.0052	0.00473	8.15E-04	7.72E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	1.96E-04	4.12E-04	2.11E-04	1.91E-04	4.02E-04	2.08E-04	1.89E-04	3.97E-04
5891 487552.91, 3859942.79	0.0054	0.00488	8.46E-04	7.97E-04	7.97E-04	8.16E-04	7.70E-04	2.24E-04	2.02E-04	4.26E-04	2.19E-04	1.98E-04	4.16E-04	2.16E-04	1.95E-04	4.11E-04
5892 487553.33, 3859850.05	0.00562	0.00504	8.80E-04	8.23E-04	8.29E-04	8.50E-04	8.01E-04	2.33E-04	2.09E-04	4.42E-04	2.28E-04	2.04E-04	4.32E-04	2.25E-04	2.01E-04	4.26E-04
5893 487553.76, 3859757.31	0.00583	0.00519	9.13E-04	8.47E-04	8.60E-04	8.81E-04	8.31E-04	2.42E-04	2.15E-04	4.57E-04	2.36E-04	2.10E-04	4.46E-04	2.33E-04	2.07E-04	4.40E-04
5894 487554.19, 3859664.57	0.00606	0.00534	9.49E-04	8.72E-04	8.94E-04	9.16E-04	8.64E-04	2.51E-04	2.22E-04	4.73E-04	2.45E-04	2.16E-04	4.62E-04	2.42E-04	2.13E-04	4.55E-04
5895 487460.2, 3859571.05	0.00618	0.00536	9.68E-04	8.75E-04	9.12E-04	9.34E-04	8.81E-04	2.56E-04	2.22E-04	4.79E-04	2.50E-04	2.17E-04	4.67E-04	2.47E-04	2.14E-04	4.61E-04
5896 487365.78, 3859570.27	0.00602	0.00522	9.43E-04	8.52E-04	8.88E-04	9.10E-04	8.58E-04	2.50E-04	2.17E-04	4.66E-04	2.44E-04	2.11E-04	4.55E-04	2.40E-04	2.09E-04	4.49E-04
5897 487271.36, 3859569.48	0.00588	0.00508	9.21E-04	8.29E-04	8.68E-04	8.89E-04	8.38E-04	2.44E-04	2.11E-04	4.55E-04	2.38E-04	2.06E-04	4.44E-04	2.35E-04	2.03E-04	4.38E-04
5898 487176.94, 3859568.7	0.00574	0.00494	8.99E-04	8.06E-04	8.47E-04	8.68E-04	8.18E-04	2.38E-04	2.05E-04	4.43E-04	2.32E-04	2.00E-04	4.32E-04	2.29E-04	1.97E-04	4.27E-04
5899 487082.51, 3859567.92	0.00561	0.00483	8.79E-04	7.88E-04	8.28E-04	8.48E-04	8.00E-04	2.33E-04	2.00E-04	4.33E-04	2.27E-04	1.96E-04	4.23E-04	2.24E-04	1.93E-04	4.17E-04
5900 486988.09, 3859567.14	0.00548	0.00471	8.58E-04	7.69E-04	8.09E-04	8.28E-04	7.81E-04	2.27E-04	1.95E-04	4.23E-04	2.22E-04	1.91E-04	4.13E-04	2.19E-04	1.88E-04	4.07E-04
5901 486893.67, 3859566.36	0.00536	0.00461	8.40E-04	7.52E-04	7.91E-04	8.10E-04	7.64E-04	2.22E-04	1.91E-04	4.14E-04	2.17E-04	1.87E-04	4.04E-04	2.14E-04	1.84E-04	3.98E-04
5902 486799.25, 3859565.58	0.00525	0.00451	8.22E-04	7.36E-04	7.75E-04	7.94E-04	7.49E-04	2.18E-04	1.87E-04	4.05E-04	2.13E-04	1.83E-04	3.95E-04	2.10E-04	1.80E-04	3.90E-04
5903 486704.83, 3859564.79	0.00514	0.00442	8.05E-04	7.21E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	1.83E-04	3.97E-04	2.08E-04	1.79E-04	3.87E-04	2.05E-04	1.77E-04	3.82E-04
5904 486610.41, 3859564.01	0.00504	0.00434	7.90E-04	7.08E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	1.80E-04	3.89E-04	2.04E-04	1.76E-04	3.80E-04	2.01E-04	1.73E-04	3.75E-04
5905 486515.99, 3859563.23	0.00493	0.00425	7.72E-04	6.94E-04	7.28E-04	7.45E-04	7.03E-04	2.05E-04	1.76E-04	3.81E-04	2.00E-04	1.72E-04	3.72E-04	1.97E-04	1.70E-04	3.67E-04
5906 486421.57, 3859562.45	0.00483	0.00417	7.57E-04	6.81E-04	7.13E-04	7.30E-04	6.89E-04	2.00E-04	1.73E-04	3.73E-04	1.96E-04	1.69E-04	3.64E-04	1.93E-04	1.67E-04	3.60E-04
5907 486327.14, 3859561.67	0.00475	0.0041	7.44E-04	6.69E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.70E-04	3.67E-04	1.92E-04	1.66E-04	3.58E-04	1.90E-04	1.64E-04	3.54E-04
5908 486232.72, 3859560.89	0.00465	0.00402	7.28E-04	6.56E-04	6.86E-04	7.03E-04	6.63E-04	1.93E-04	1.67E-04	3.60E-04	1.88E-04	1.63E-04	3.51E-04	1.86E-04	1.61E-04	3.46E-04
5909 486138.3, 3859560.1	0.00456	0.00395	7.14E-04	6.45E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.64E-04	3.53E-04	1.85E-04	1.60E-04	3.45E-04	1.82E-04	1.58E-04	3.40E-04
5910 486043.88, 3859559.32	0.00447	0.00387	7.00E-04	6.32E-04	6.60E-04	6.76E-04	6.37E-04	1.85E-04	1.61E-04	3.46E-04	1.81E-04	1.57E-04	3.38E-04	1.79E-04	1.55E-04	3.33E-04
5911 485949.35, 3859463.54	0.00452	0.00388	7.08E-04	6.33E-04	6.67E-04	6.83E-04	6.44E-04	1.88E-04	1.61E-04	3.48E-04	1.83E-04	1.57E-04	3.40E-04	1.81E-04	1.55E-04	3.36E-04
5912 485949.24, 3859368.55	0.00466	0.00395	7.30E-04	6.45E-04	6.88E-04	7.04E-04	6.64E-04	1.93E-04	1.64E-04	3.57E-04	1.89E-04	1.60E-04	3.49E-04	1.86E-04	1.58E-04	3.44E-04
5913 485949.12, 3859273.55	0.00481	0.00401	7.53E-04	6.55E-04	7.10E-04	7.27E-04	6.86E-04	2.00E-04	1.66E-04	3.66E-04	1.95E-04	1.62E-04	3.57E-04	1.92E-04	1.60E-04	3.52E-04
5914 485949.01, 3859178.56	0.00496	0.00408	7.77E-04	6.66E-04	7.32E-04	7.50E-04	7.07E-04	2.06E-04	1.69E-04	3.75E-04	2.01E-04	1.65E-04	3.66E-04	1.98E-04	1.63E-04	3.61E-04
5915 485948.9, 3859083.56	0.00515	0.00416	8.07E-04	6.79E-04	7.60E-04	7.78E-04	7.34E-04	2.14E-04	1.73E-04	3.86E-04	2.08E-04	1.68E-04	3.77E-04	2.06E-04	1.66E-04	3.72E-04
5916 485948.79, 3858988.56	0.00537	0.00426	8.41E-04	6.95E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	1.77E-04	4.00E-04	2.17E-04	1.72E-04	3.90E-04	2.15E-04	1.70E-04	3.85E-04
5917 485948.67, 3858893.57	0.00562	0.00437	8.80E-04	7.13E-04	8.29E-04	8.50E-04	8.01E-04	2.33E-04	1.81E-04	4.14E-04	2.28E-04	1.77E-04	4.04E-04	2.25E-04	1.75E-04	3.99E-04
5918 485948.56, 3858798.57	0.00591	0.00451	9.26E-04	7.36E-04	8.72E-04	8.93E-04	8.43E-04	2.45E-04	1.87E-04	4.32E-04	2.39E-04	1.83E-04	4.22E-04	2.36E-04	1.80E-04	4.16E-04
5919 485948.45, 3858703.58	0.00622	0.00463	9.74E-04	7.56E-04	9.18E-04	9.40E-04	8.87E-04	2.58E-04	1.92E-04	4.50E-04	2.52E-04	1.87E-04	4.39E-04	2.48E-04	1.85E-04	4.33E-04
5920 485948.34, 3858608.58	0.00658	0.00478	1.03E-03	7.80E-04	9.71E-04	9.95E-04	9.38E-04	2.73E-04	1.98E-04	4.71E-04	2.66E-04	1.94E-04	4.60E-04	2.63E-04	1.91E-04	4.54E-04
5921 485948.22, 3858513.59	0.00698	0.00492	1.09E-03	8.03E-04	1.03E-03	1.06E-03	9.95E-04	2.90E-04	2.04E-04	4.94E-04	2.83E-04	1.99E-04	4.82E-04	2.79E-04	1.97E-04	4.75E-04
5922 485948.11, 3858418.59	0.00743	0.00505	1.16E-03	8.24E-04	1.10E-03	1.12E-03	1.06E-03	3.08E-04	2.10E-04	5.18E-04	3.01E-04	2.04E-04	5.05E-04	2.97E-04	2.02E-04	4.99E-04
5923 485948, 3858323.59	0.00797	0.00521	1.25E-03	8.50E-04	1.18E-03	1.20E-03	1.14E-03	3.31E-04	2.16E-04	5.47E-04	3.23E-04	2.11E-04	5.34E-04	3.18E-04	2.08E-04	5.27E-04
5924 485947.89, 3858228.6	0.00857	0.00536	1.34E-03	8.75E-04	1.26E-03	1.30E-03	1.22E-03	3.56E-04	2.22E-04	5.78E-04	3.47E-04	2.17E-04	5.64E-04	3.42E-04	2.14E-04	5.56E-04
5925 485947.77, 3858133.6	0.00929	0.00552	1.46E-03	9.01E-04	1.37E-03	1.40E-03	1.32E-03	3.85E-04	2.29E-04	6.14E-04	3.76E-04	2.23E-04	6.00E-04	3.71E-04	2.21E-04	5.92E-04
5926 485947.66, 3858038.61	0.01026	0.00572	1.61E-03	9.34E-04	1.51E-03	1.55E-03	1.46E-03	4.26E-04	2.37E-04	6.63E-04	4.15E-04	2.32E-04	6.47E-04	4.10E-04	2.28E-04	6.38E-04
5927 485854.54, 3857943.35	0.01054	0.00571	1.65E-03	9.32E-04	1.56E-03	1.59E-03	1.50E-03	4.37E-04	2.37E-04	6.74E-04	4.27E-04	2.31E-04	6.58E-04	4.21E-04	2.28E-04	6.49E-04
5928 485761.52, 3857943.09	0.00985	0.00553	1.54E-03	9.03E-04	1.45E-03	1.49E-03	1.40E-03	4.09E-04	2.29E-04	6.38E-04	3.99E-04	2.24E-04	6.23E-04	3.93E-04	2.21E-04	6.14E-04
5929 485668.51, 3857942.83	0.00929	0.00537	1.46E-03	8.77E-04	1.37E-03	1.40E-03	1.32E-03	3.85E-04	2.23E-04	6.08E-04	3.76E-04	2.17E-04	5.94E-04	3.71E-04	2.15E-04	5.86E-04
5930 485575.5, 3857942.56	0.00876	0.00521	1.37E-03	8.50E-04	1.29E-03	1.32E-03	1.25E-03	3.63E-04	2.16E-04	5.80E-04	3.55E-04	2.11E-04	5.66E-04	3.50E-04	2.08E-04	5.58E-04
5931 485482.48, 3857942.3	0.00832	0.00507	1.30E-03	8.28E-04	1.23E-03	1.26E-03	1.19E-03	3.45E-04	2.10E-04	5.56E-04	3.37E-04	2.05E-04	5.42E-04	3.32E-04	2.03E-04	5.35E-04
5932 485389.47, 3857942.04	0.00792	0.00494	1.24E-03	8.06E-04	1.17E-03	1.20E-03	1.13E-03	3.29E-04	2.05E-04	5.34E-04	3.21E-04	2.00E-04	5.21E-04	3.16E-04	1.97E-04	5.14E-04
5933 485296.46, 3857941.78	0.00755	0.00482	1.18E-03	7.87E-04	1.11E-03	1.14E-03	1.08E-03	3.13E-04	2.00E-04	5.13E-04	3.06E-04	1.95E-04	5.01E-04	3.02E-04	1.93E-04	4.94E-04
5934 485203.45, 3857941.52	0.00724	0.00471	1.13E-03	7.69E-04	1.07E-03	1.09E-03	1.03E-03	3.00E-04	1.95E-04	4.96E-04	2.93E-04	1.91E-04	4.84E-04	2.89E-04	1.88E-04	4.77E-04
5935 485110.43, 3857941.26	0.00693	0.00459	1.09E-03	7.49E-04	1.02E-03	1.05E-03	9.88E-04	2.88E-04	1.90E-04	4.78E-04	2.81E-04	1.86E-04	4.66E-04	2.77E-04	1.83E-04	4.60E-04
5936 485017.42, 3857940.99	0.00664	0.00447	1.04E-03	7.30E-04	9.80E-04	1.00E-03	9.47E-04	2.75E-04	1.85E-04	4.61E-04	2.69E-04	1.81E-04	4.50E-04	2.65E-04	1.79E-04	4.44E-04

5937 484924.41, 3857940.73	0.00637	0.00436	9.98E-04	7.12E-04	9.40E-04	9.63E-04	9.08E-04	2.64E-04	1.81E-04	4.45E-04	2.58E-04	1.77E-04	4.34E-04	2.54E-04	1.74E-04	4.29E-04
5938 484831.39, 3857940.47	0.00612	0.00426	9.59E-04	6.95E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	1.77E-04	4.31E-04	2.48E-04	1.72E-04	4.20E-04	2.44E-04	1.70E-04	4.15E-04
5939 484738.12, 3857859.3	0.00613	0.00424	9.60E-04	6.92E-04	9.05E-04	9.27E-04	8.74E-04	2.54E-04	1.76E-04	4.30E-04	2.48E-04	1.72E-04	4.20E-04	2.45E-04	1.69E-04	4.14E-04
5940 484737.85, 3857778.4	0.00641	0.00433	1.00E-03	7.07E-04	9.46E-04	9.69E-04	9.14E-04	2.66E-04	1.80E-04	4.46E-04	2.60E-04	1.75E-04	4.35E-04	2.56E-04	1.73E-04	4.29E-04
5941 484737.59, 3857697.49	0.00671	0.00443	1.05E-03	7.23E-04	9.90E-04	1.01E-03	9.57E-04	2.78E-04	1.84E-04	4.62E-04	2.72E-04	1.79E-04	4.51E-04	2.68E-04	1.77E-04	4.45E-04
5942 484737.32, 3857616.59	0.00703	0.00452	1.10E-03	7.38E-04	1.04E-03	1.06E-03	1.00E-03	2.92E-04	1.88E-04	4.79E-04	2.85E-04	1.83E-04	4.68E-04	2.81E-04	1.81E-04	4.61E-04
5943 484645.53, 3857535.18	0.00706	0.00451	1.11E-03	7.36E-04	1.04E-03	1.07E-03	1.01E-03	2.93E-04	1.87E-04	4.80E-04	2.86E-04	1.83E-04	4.68E-04	2.82E-04	1.80E-04	4.62E-04
5944 484553.99, 3857534.67	0.00675	0.0044	1.06E-03	7.18E-04	9.96E-04	1.02E-03	9.62E-04	2.80E-04	1.83E-04	4.63E-04	2.73E-04	1.78E-04	4.51E-04	2.70E-04	1.76E-04	4.45E-04
5945 484462.46, 3857534.17	0.00647	0.0043	1.01E-03	7.02E-04	9.55E-04	9.78E-04	9.23E-04	2.68E-04	1.78E-04	4.47E-04	2.62E-04	1.74E-04	4.36E-04	2.58E-04	1.72E-04	4.30E-04
5946 484370.93, 3857533.66	0.00622	0.00421	9.74E-04	6.87E-04	9.18E-04	9.40E-04	8.87E-04	2.58E-04	1.75E-04	4.33E-04	2.52E-04	1.70E-04	4.22E-04	2.48E-04	1.68E-04	4.17E-04
5947 484279.4, 3857533.16	0.00599	0.00413	9.38E-04	6.74E-04	8.84E-04	9.05E-04	8.54E-04	2.49E-04	1.71E-04	4.20E-04	2.43E-04	1.67E-04	4.10E-04	2.39E-04	1.65E-04	4.04E-04
5948 484187.86, 3857532.65	0.00579	0.00405	9.07E-04	6.61E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	1.68E-04	4.08E-04	2.34E-04	1.64E-04	3.98E-04	2.31E-04	1.62E-04	3.93E-04
5949 484096.33, 3857532.15	0.00561	0.00398	8.79E-04	6.50E-04	8.28E-04	8.48E-04	8.00E-04	2.33E-04	1.65E-04	3.98E-04	2.27E-04	1.61E-04	3.88E-04	2.24E-04	1.59E-04	3.83E-04
5950 484004.8, 3857531.64	0.00545	0.00391	8.54E-04	6.38E-04	8.04E-04	8.24E-04	7.77E-04	2.26E-04	1.62E-04	3.88E-04	2.21E-04	1.58E-04	3.79E-04	2.18E-04	1.56E-04	3.74E-04
5951 483913.27, 3857531.14	0.0053	0.00384	8.30E-04	6.27E-04	7.82E-04	8.01E-04	7.56E-04	2.20E-04	1.59E-04	3.79E-04	2.15E-04	1.55E-04	3.70E-04	2.12E-04	1.53E-04	3.65E-04
5952 483821.73, 3857530.63	0.00516	0.00378	8.08E-04	6.17E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	1.57E-04	3.71E-04	2.09E-04	1.53E-04	3.62E-04	2.06E-04	1.51E-04	3.57E-04
5953 483729.61, 3857450.11	0.00518	0.00378	8.11E-04	6.17E-04	7.65E-04	7.83E-04	7.39E-04	2.15E-04	1.57E-04	3.72E-04	2.10E-04	1.53E-04	3.63E-04	2.07E-04	1.51E-04	3.58E-04
5954 483729.03, 3857370.08	0.00535	0.00385	8.38E-04	6.28E-04	7.90E-04	8.09E-04	7.63E-04	2.22E-04	1.60E-04	3.82E-04	2.17E-04	1.56E-04	3.72E-04	2.14E-04	1.54E-04	3.68E-04
5955 483728.44, 3857290.06	0.00553	0.00391	8.66E-04	6.38E-04	8.16E-04	8.36E-04	7.88E-04	2.29E-04	1.62E-04	3.92E-04	2.24E-04	1.58E-04	3.82E-04	2.21E-04	1.56E-04	3.77E-04
5956 483727.86, 3857210.03	0.00571	0.00398	8.94E-04	6.50E-04	8.43E-04	8.63E-04	8.14E-04	2.37E-04	1.65E-04	4.02E-04	2.31E-04	1.61E-04	3.92E-04	2.28E-04	1.59E-04	3.87E-04
5957 483641.15, 3857129.07	0.00574	0.00399	8.99E-04	6.51E-04	8.47E-04	8.68E-04	8.18E-04	2.38E-04	1.66E-04	4.04E-04	2.32E-04	1.62E-04	3.94E-04	2.29E-04	1.59E-04	3.89E-04
5958 483555.03, 3857128.14	0.00557	0.00392	8.73E-04	6.40E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	1.63E-04	3.94E-04	2.25E-04	1.59E-04	3.84E-04	2.23E-04	1.57E-04	3.79E-04
5959 483468.91, 3857127.2	0.00541	0.00385	8.47E-04	6.28E-04	7.98E-04	8.18E-04	7.71E-04	2.24E-04	1.60E-04	3.84E-04	2.19E-04	1.56E-04	3.75E-04	2.16E-04	1.54E-04	3.70E-04
5960 483382.78, 3857126.26	0.00527	0.0038	8.26E-04	6.20E-04	7.78E-04	7.97E-04	7.51E-04	2.19E-04	1.58E-04	3.76E-04	2.13E-04	1.54E-04	3.67E-04	2.11E-04	1.52E-04	3.62E-04
5961 483296.66, 3857125.32	0.00514	0.00374	8.05E-04	6.10E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	1.55E-04	3.68E-04	2.08E-04	1.51E-04	3.60E-04	2.05E-04	1.49E-04	3.55E-04
5962 483210.54, 3857124.39	0.00501	0.00369	7.85E-04	6.02E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	1.53E-04	3.61E-04	2.03E-04	1.49E-04	3.52E-04	2.00E-04	1.47E-04	3.48E-04
5963 483123.4, 3857030.96	0.00505	0.00371	7.91E-04	6.06E-04	7.45E-04	7.63E-04	7.20E-04	2.10E-04	1.54E-04	3.63E-04	2.04E-04	1.50E-04	3.55E-04	2.02E-04	1.48E-04	3.50E-04
5964 483122.38, 3856938.46	0.00522	0.00378	8.18E-04	6.17E-04	7.70E-04	7.89E-04	7.44E-04	2.17E-04	1.57E-04	3.73E-04	2.11E-04	1.53E-04	3.64E-04	2.09E-04	1.51E-04	3.60E-04
5965 483121.35, 3856845.97	0.00539	0.00386	8.44E-04	6.30E-04	7.95E-04	8.15E-04	7.69E-04	2.24E-04	1.60E-04	3.84E-04	2.18E-04	1.56E-04	3.74E-04	2.15E-04	1.54E-04	3.70E-04
5966 483120.33, 3856753.47	0.00556	0.00393	8.71E-04	6.41E-04	8.21E-04	8.40E-04	7.93E-04	2.31E-04	1.63E-04	3.94E-04	2.25E-04	1.59E-04	3.84E-04	2.22E-04	1.57E-04	3.79E-04
5967 483119.31, 3856660.98	0.00575	0.004	9.01E-04	6.53E-04	8.49E-04	8.69E-04	8.20E-04	2.39E-04	1.66E-04	4.05E-04	2.33E-04	1.62E-04	3.95E-04	2.30E-04	1.60E-04	3.89E-04
5968 483118.29, 3856568.49	0.00596	0.00407	9.34E-04	6.64E-04	8.80E-04	9.01E-04	8.50E-04	2.47E-04	1.69E-04	4.16E-04	2.41E-04	1.65E-04	4.06E-04	2.38E-04	1.63E-04	4.01E-04
5969 483117.26, 3856475.99	0.0062	0.00415	9.71E-04	6.77E-04	9.15E-04	9.37E-04	8.84E-04	2.57E-04	1.72E-04	4.29E-04	2.51E-04	1.68E-04	4.19E-04	2.48E-04	1.66E-04	4.13E-04
5970 483116.24, 3856383.5	0.00646	0.00423	1.01E-03	6.90E-04	9.53E-04	9.77E-04	9.21E-04	2.68E-04	1.75E-04	4.44E-04	2.62E-04	1.71E-04	4.33E-04	2.58E-04	1.69E-04	4.27E-04
5971 483115.22, 3856291.01	0.00674	0.00432	1.06E-03	7.05E-04	9.95E-04	1.02E-03	9.61E-04	2.80E-04	1.79E-04	4.59E-04	2.73E-04	1.75E-04	4.48E-04	2.69E-04	1.73E-04	4.42E-04
5972 483114.2, 3856198.51	0.00705	0.00442	1.10E-03	7.21E-04	1.04E-03	1.07E-03	1.01E-03	2.92E-04	1.83E-04	4.76E-04	2.85E-04	1.79E-04	4.64E-04	2.82E-04	1.77E-04	4.58E-04
5973 483113.17, 3856106.02	0.00744	0.00454	1.17E-03	7.41E-04	1.10E-03	1.12E-03	1.06E-03	3.09E-04	1.88E-04	4.97E-04	3.01E-04	1.84E-04	4.85E-04	2.97E-04	1.81E-04	4.79E-04
5974 483112.15, 3856013.52	0.00787	0.00467	1.23E-03	7.62E-04	1.16E-03	1.19E-03	1.12E-03	3.27E-04	1.94E-04	5.20E-04	3.19E-04	1.89E-04	5.08E-04	3.14E-04	1.87E-04	5.01E-04
5975 483029.25, 3855920.47	0.00797	0.00473	1.25E-03	7.72E-04	1.18E-03	1.20E-03	1.14E-03	3.31E-04	1.96E-04	5.27E-04	3.23E-04	1.91E-04	5.14E-04	3.18E-04	1.89E-04	5.07E-04
5976 482947.37, 3855919.91	0.0076	0.00465	1.19E-03	7.59E-04	1.12E-03	1.15E-03	1.08E-03	3.15E-04	1.93E-04	5.08E-04	3.08E-04	1.88E-04	4.96E-04	3.04E-04	1.86E-04	4.89E-04
5977 482865.49, 3855919.36	0.00727	0.00457	1.14E-03	7.46E-04	1.07E-03	1.10E-03	1.04E-03	3.02E-04	1.90E-04	4.91E-04	2.94E-04	1.85E-04	4.79E-04	2.90E-04	1.83E-04	4.73E-04
5978 482783.61, 3855918.8	0.00699	0.0045	1.09E-03	7.35E-04	1.03E-03	1.06E-03	9.97E-04	2.90E-04	1.87E-04	4.77E-04	2.83E-04	1.82E-04	4.65E-04	2.79E-04	1.80E-04	4.59E-04
5979 482700.33, 3855818.39	0.00706	0.00456	1.11E-03	7.44E-04	1.04E-03	1.07E-03	1.01E-03	2.93E-04	1.89E-04	4.82E-04	2.86E-04	1.85E-04	4.70E-04	2.82E-04	1.82E-04	4.64E-04
5980 482698.92, 3855718.54	0.00747	0.00471	1.17E-03	7.69E-04	1.10E-03	1.13E-03	1.07E-03	3.10E-04	1.95E-04	5.05E-04	3.02E-04	1.91E-04	4.93E-04	2.98E-04	1.88E-04	4.87E-04
5981 482697.52, 3855618.68	0.00793	0.00488	1.24E-03	7.97E-04	1.17E-03	1.20E-03	1.13E-03	3.29E-04	2.02E-04	5.31E-04	3.21E-04	1.98E-04	5.19E-04	3.17E-04	1.95E-04	5.12E-04
5982 482696.11, 3855518.83	0.00849	0.00508	1.33E-03	8.29E-04	1.25E-03	1.28E-03	1.21E-03	3.52E-04	2.11E-04	5.63E-04	3.44E-04	2.06E-04	5.49E-04	3.39E-04	2.03E-04	5.42E-04
5983 482694.71, 3855418.98	0.00912	0.0053	1.43E-03	8.65E-04	1.35E-03	1.38E-03	1.30E-03	3.78E-04	2.20E-04	5.98E-04	3.69E-04	2.15E-04	5.84E-04	3.64E-04	2.12E-04	5.76E-04
5984 482693.3, 3855319.13	0.00987	0.00554	1.55E-03	9.04E-04	1.46E-03	1.49E-03	1.41E-03	4.09E-04	2.30E-04	6.39E-04	4.00E-04	2.24E-04	6.24E-04	3.94E-04	2.21E-04	6.16E-04
5985 482691.9, 3855219.27	0.01077	0.00583	1.69E-03	9.52E-04	1.59E-03	1.63E-03	1.54E-03	4.47E-04	2.42E-04	6.89E-04	4.36E-04	2.36E-04	6.72E-04	4.30E-04	2.33E-04	6.63E-04
5986 482690.49, 3855119.42	0.01185	0.00614	1.86E-03	1.00E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	2.55E-04	7.46E-04	4.80E-04	2.49E-04	7.28E-04	4.73E-04	2.45E-04	7.19E-04
5987 482689.09, 3855019.57	0.01325	0.00652	2.08E-03	1.06E-03	1.96E-03	2.00E-03	1.89E-03	5.50E-04	2.71E-04	8.20E-04	5.36E-04	2.64E-04	8.00E-04	5.29E-04	2.60E-04	7.90E-04
5988 482687.68, 3854919.71	0.01492	0.00695	2.34E-03	1.13E-03	2.20E-03	2.26E-03	2.13E-03	6.19E-04	2.88E-04	9.07E-04	6.04E-04	2.81E-04	8.85E-04	5.96E-04	2.78E-04	8.74E-04
5989 482686.28, 3854819.86	0.01708	0.00748	2.68E-03	1.22E-03	2.52E-03	2.58E-03	2.44E-03	7.09E-04	3.10E-04	1.02E-03	6.91E-04	3.03E-04	9.94E-04	6.82E-04	2.99E-04	9.81E-04
5990 482684.88, 3854720.01	0.01965	0.00809	3.08E-03	1.32E-03	2.90E-03	2.97E-03	2.80E-03	8.15E-04	3.36E-04	1.15E-03	7.96E-04	3.28E-04	1.12E-03	7.85E-04	3.23E-04	1.11E-03
5991 482683.47, 3854620.16	0.02289	0.0089	3.59E-03	1.45E-03	3.38E-03	3.46E-03	3.26E-03	9.50E-04	3.69E-04	1.32E-03	9.27E-04	3.60E-04	1.29E-03	9.14E-04	3.56E-04	1.27E-03
5992 482682.07, 3854520.31	0.02649	0.00987	4.15E-03	1.61E-03	3.91E-03	4.00E-03	3.78E-03	1.10E-03	4.09E-04	1.51E-03	1.07E-03	4.00E-04	1.47E-03	1.06E-03	3.94E-04	1.45E-03
5993 482680.66, 3854420.45	0.03036	0.01111	4.76E-03	1.81E-03	4.48E-03	4.59E-03	4.33E-03	1.26E-03	4.61E-04	1.72E-03	1.23E-03	4.50E-04	1.68E-03	1.21E-03	4.44E-04	1.66E-03
5994 482679.26, 3854320.6	0.03378	0.01268	5.29E-03	2.07E-03	4.99E-03	5.11E-03	4.82E-03	1.40E-03	5.26E-04	1.93E-03	1.37E-03	5.13E-04	1.88E-03	1.35E-03	5.07E-04	1.86E-03
5995 482677.85, 3854220.75	0.03634	0.01489	5.69E-03	2.43E-03	5.36E-03	5.49E-03	5.18E-03	1.51E-03	6.18E-04	2.13E-03	1.47E-03	6.03E-04	2.07E-03	1.45E-03	5.95E-04	2.05E-03
5996 482676.45, 3854120.9	0.03749	0.01733	5.87E-03	2.83E-03	5.53E-03	5.67E-03	5.35E-03	1.56E-03	7.19E-04	2.27E-03	1.52E-03	7.02E-04	2.22E-03	1.50E-03	6.92E-04	2.19E-03
5997 482675.04, 3854021.04	0.03894	0.02034	6.10E-03	3.32E-03	5.75E-03	5.89E-03	5.55E-03	1.62E-03	8.44E-04	2.46E-03	1.58E-03	8.23E-04	2.40E-03	1.56E-03	8.13E-04	2.37E-03
5998 482673.64, 3853921.19	0.04041	0.02353	6.33E-03	3.84E-03	5.96E-03	6.11E-03	5.76E-03	1.68E-03	9.76E-04	2.65E-03	1.64E-03	9.53E-04	2.59E-03	1.61E-03	9.40E-04	2.55E-03
5999 482672.23, 3853821.34	0.04297	0.02723	6.73E-03	4.44E-03	6.34E-03	6.50E-03	6.13E-03	1.78E-03	1.13E-03	2.91E-03	1.74E-03	1.10E-03	2.84E-03	1.72E-03	1.09E-03	2.80E-03
6000 482670.83, 3853721.48	0.0459	0.03209	7.19E-03	5.24E-03	6.77E-03	6.94E-03	6.54E-03	1.90E-03	1.33E-03	3.24E-03	1.86E-03	1.30E-03	3.16E-03	1.83E-03	1.28E-03	3.12E-03
6001 482669.42, 3853621.63	0.04954	0.039	7.76E-03	6.37E-03	7.31E-03	7.49E-03	7.06E-03	2.06E-03	1.62E-03	3.67E-03	2.01E-03	1.58E-03	3.58E-03	1.98E-03	1.56E-03	3.54E-03
6002 482645.99, 3853446.13	0.05641	0.05192	8.84E-03	8.47E-03	8.33E-03	8.53E-03	8.04E-03	2.34E-03	2.15E-03	4.49E-03	2.28E-03	2.10E-03	4.39E-03	2.25E-03	2.07E-03	4.33E-03

6003 482623.96, 3853370.48	0.05708	0.0549	8.94E-03	8.96E-03	8.42E-03	8.63E-03	8.14E-03	2.37E-03	2.28E-03	4.65E-03	2.31E-03	2.22E-03	4.53E-03	2.28E-03	2.19E-03	4.47E-03
6004 482601.94, 3853294.84	0.05978	0.05952	9.36E-03	9.72E-03	8.82E-03	9.04E-03	8.52E-03	2.48E-03	2.47E-03	4.95E-03	2.42E-03	2.41E-03	4.83E-03	2.39E-03	2.38E-03	4.77E-03
6005 482531.29, 3853133.44	0.06873	0.06884	1.08E-02	1.12E-02	1.01E-02	1.04E-02	9.80E-03	2.85E-03	2.86E-03	5.71E-03	2.78E-03	2.79E-03	5.57E-03	2.75E-03	2.75E-03	5.50E-03
6006 482482.68, 3853047.69	0.07388	0.07446	1.16E-02	1.22E-02	1.09E-02	1.12E-02	1.05E-02	3.07E-03	3.09E-03	6.15E-03	2.99E-03	3.01E-03	6.01E-03	2.95E-03	2.97E-03	5.93E-03
6007 482383.08, 3852897.4	0.10916	0.11119	1.71E-02	1.81E-02	1.61E-02	1.65E-02	1.56E-02	4.53E-03	4.61E-03	9.14E-03	4.42E-03	4.50E-03	8.92E-03	4.36E-03	4.44E-03	8.80E-03
6008 482265.64, 3852765.26	0.12321	0.1256	1.93E-02	2.05E-02	1.82E-02	1.86E-02	1.76E-02	5.11E-03	5.21E-03	1.03E-02	4.99E-03	5.08E-03	1.01E-02	4.92E-03	5.02E-03	9.94E-03
6009 482199.16, 3852697.66	0.12202	0.1243	1.91E-02	2.03E-02	1.80E-02	1.84E-02	1.74E-02	5.06E-03	5.16E-03	1.02E-02	4.94E-03	5.03E-03	9.97E-03	4.87E-03	4.97E-03	9.84E-03
6010 482132.69, 3852630.07	0.11977	0.12198	1.88E-02	1.99E-02	1.77E-02	1.81E-02	1.71E-02	4.97E-03	5.06E-03	1.00E-02	4.85E-03	4.94E-03	9.79E-03	4.78E-03	4.87E-03	9.66E-03
6011 482066.21, 3852562.48	0.11866	0.12079	1.86E-02	1.97E-02	1.75E-02	1.79E-02	1.69E-02	4.92E-03	5.01E-03	9.93E-03	4.80E-03	4.89E-03	9.69E-03	4.74E-03	4.83E-03	9.57E-03
6012 481999.74, 3852494.89	0.11655	0.11861	1.83E-02	1.94E-02	1.72E-02	1.76E-02	1.66E-02	4.84E-03	4.92E-03	9.76E-03	4.72E-03	4.80E-03	9.52E-03	4.66E-03	4.74E-03	9.39E-03
6013 481933.26, 3852427.29	0.11319	0.11523	1.77E-02	1.88E-02	1.67E-02	1.71E-02	1.61E-02	4.70E-03	4.78E-03	9.48E-03	4.58E-03	4.67E-03	9.25E-03	4.52E-03	4.60E-03	9.12E-03
6014 481866.79, 3852359.7	0.11251	0.11451	1.76E-02	1.87E-02	1.66E-02	1.70E-02	1.60E-02	4.67E-03	4.75E-03	9.42E-03	4.55E-03	4.64E-03	9.19E-03	4.49E-03	4.57E-03	9.07E-03
6015 481800.31, 3852292.11	0.10959	0.11145	1.72E-02	1.82E-02	1.62E-02	1.66E-02	1.56E-02	4.55E-03	4.62E-03	9.17E-03	4.44E-03	4.51E-03	8.95E-03	4.38E-03	4.45E-03	8.83E-03
6016 481733.84, 3852224.52	0.10759	0.1094	1.69E-02	1.79E-02	1.59E-02	1.63E-02	1.53E-02	4.46E-03	4.54E-03	9.00E-03	4.36E-03	4.43E-03	8.78E-03	4.30E-03	4.37E-03	8.67E-03
6017 481667.36, 3852156.92	0.10752	0.10931	1.68E-02	1.78E-02	1.59E-02	1.63E-02	1.53E-02	4.46E-03	4.54E-03	9.00E-03	4.35E-03	4.43E-03	8.78E-03	4.30E-03	4.37E-03	8.66E-03
6018 481600.89, 3852089.33	0.10533	0.10705	1.65E-02	1.75E-02	1.55E-02	1.59E-02	1.50E-02	4.37E-03	4.44E-03	8.81E-03	4.26E-03	4.33E-03	8.60E-03	4.21E-03	4.28E-03	8.48E-03
6019 481534.41, 3852021.74	0.1046	0.10634	1.64E-02	1.74E-02	1.54E-02	1.58E-02	1.49E-02	4.34E-03	4.41E-03	8.75E-03	4.23E-03	4.31E-03	8.54E-03	4.18E-03	4.25E-03	8.43E-03
6020 481467.94, 3851954.15	0.10386	0.10554	1.63E-02	1.72E-02	1.53E-02	1.57E-02	1.48E-02	4.31E-03	4.38E-03	8.69E-03	4.20E-03	4.27E-03	8.48E-03	4.15E-03	4.22E-03	8.36E-03
6021 481401.46, 3851886.55	0.10355	0.10522	1.62E-02	1.72E-02	1.53E-02	1.57E-02	1.48E-02	4.30E-03	4.37E-03	8.66E-03	4.19E-03	4.26E-03	8.45E-03	4.14E-03	4.20E-03	8.34E-03
6022 481265.87, 3851761.43	0.09096	0.09223	1.42E-02	1.51E-02	1.34E-02	1.37E-02	1.30E-02	3.77E-03	3.83E-03	7.60E-03	3.68E-03	3.73E-03	7.42E-03	3.63E-03	3.68E-03	7.32E-03
6023 481196.74, 3851703.89	0.0851	0.08588	1.33E-02	1.40E-02	1.26E-02	1.29E-02	1.21E-02	3.53E-03	3.56E-03	7.09E-03	3.45E-03	3.48E-03	6.92E-03	3.40E-03	3.43E-03	6.83E-03
6024 481076.33, 3851619.04	0.08273	0.0827	1.30E-02	1.35E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.43E-03	6.86E-03	3.35E-03	3.35E-03	6.70E-03	3.30E-03	3.30E-03	6.61E-03
6025 480939.8, 3851549.07	0.08024	0.0797	1.26E-02	1.30E-02	1.18E-02	1.21E-02	1.14E-02	3.33E-03	3.31E-03	6.64E-03	3.25E-03	3.23E-03	6.48E-03	3.21E-03	3.18E-03	6.39E-03
6026 480854.56, 3851506.41	0.0806	0.08036	1.26E-02	1.31E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	3.33E-03	6.68E-03	3.26E-03	3.25E-03	6.52E-03	3.22E-03	3.21E-03	6.43E-03
6027 480769.32, 3851463.75	0.08153	0.08167	1.28E-02	1.33E-02	1.20E-02	1.23E-02	1.16E-02	3.38E-03	3.39E-03	6.77E-03	3.30E-03	3.31E-03	6.61E-03	3.26E-03	3.26E-03	6.52E-03
6028 480684.08, 3851421.08	0.08253	0.08308	1.29E-02	1.36E-02	1.22E-02	1.25E-02	1.18E-02	3.42E-03	3.45E-03	6.87E-03	3.34E-03	3.36E-03	6.70E-03	3.30E-03	3.32E-03	6.62E-03
6029 480598.84, 3851378.42	0.08257	0.08355	1.29E-02	1.36E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.47E-03	6.89E-03	3.34E-03	3.38E-03	6.73E-03	3.30E-03	3.34E-03	6.64E-03
6030 480435.71, 3851275.01	0.11171	0.11469	1.75E-02	1.87E-02	1.65E-02	1.69E-02	1.59E-02	4.63E-03	4.76E-03	9.39E-03	4.52E-03	4.64E-03	9.17E-03	4.46E-03	4.58E-03	9.04E-03
6031 480347.85, 3851232.36	0.11013	0.11384	1.73E-02	1.86E-02	1.63E-02	1.66E-02	1.57E-02	4.57E-03	4.72E-03	9.29E-03	4.46E-03	4.61E-03	9.07E-03	4.40E-03	4.55E-03	8.95E-03
6032 480260, 3851189.72	0.10855	0.11298	1.70E-02	1.84E-02	1.60E-02	1.64E-02	1.55E-02	4.50E-03	4.69E-03	9.19E-03	4.39E-03	4.57E-03	8.97E-03	4.34E-03	4.51E-03	8.85E-03
6033 480172.15, 3851147.07	0.1072	0.11233	1.68E-02	1.83E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	4.66E-03	9.11E-03	4.34E-03	4.55E-03	8.89E-03	4.28E-03	4.49E-03	8.77E-03
6034 480084.29, 3851104.42	0.1059	0.11158	1.66E-02	1.82E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.63E-03	9.02E-03	4.29E-03	4.52E-03	8.80E-03	4.23E-03	4.46E-03	8.69E-03
6035 479996.44, 3851061.77	0.10493	0.1111	1.64E-02	1.81E-02	1.55E-02	1.59E-02	1.50E-02	4.35E-03	4.61E-03	8.96E-03	4.25E-03	4.50E-03	8.75E-03	4.19E-03	4.44E-03	8.63E-03
6036 479908.58, 3851019.13	0.10662	0.11354	1.67E-02	1.85E-02	1.57E-02	1.61E-02	1.52E-02	4.42E-03	4.71E-03	9.13E-03	4.32E-03	4.60E-03	8.91E-03	4.26E-03	4.54E-03	8.79E-03
6037 479820.73, 3850976.48	0.10546	0.11288	1.65E-02	1.84E-02	1.56E-02	1.59E-02	1.50E-02	4.38E-03	4.68E-03	9.06E-03	4.27E-03	4.57E-03	8.84E-03	4.21E-03	4.51E-03	8.72E-03
6038 479732.88, 3850933.83	0.10448	0.11229	1.64E-02	1.83E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	4.66E-03	8.99E-03	4.23E-03	4.55E-03	8.78E-03	4.17E-03	4.49E-03	8.66E-03
6039 479645.02, 3850891.18	0.10415	0.11208	1.63E-02	1.83E-02	1.54E-02	1.57E-02	1.49E-02	4.32E-03	4.65E-03	8.97E-03	4.22E-03	4.54E-03	8.75E-03	4.16E-03	4.48E-03	8.64E-03
6040 479557.17, 3850848.54	0.10338	0.11099	1.62E-02	1.81E-02	1.53E-02	1.56E-02	1.47E-02	4.29E-03	4.60E-03	8.89E-03	4.19E-03	4.49E-03	8.68E-03	4.13E-03	4.43E-03	8.56E-03
6041 479469.32, 3850805.89	0.10445	0.11192	1.64E-02	1.83E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	4.64E-03	8.98E-03	4.23E-03	4.53E-03	8.76E-03	4.17E-03	4.47E-03	8.64E-03
6042 479381.46, 3850763.24	0.10355	0.11068	1.62E-02	1.81E-02	1.53E-02	1.57E-02	1.48E-02	4.30E-03	4.59E-03	8.89E-03	4.19E-03	4.48E-03	8.67E-03	4.14E-03	4.42E-03	8.56E-03
6043 479293.61, 3850720.59	0.10178	0.10861	1.59E-02	1.77E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	4.51E-03	8.73E-03	4.12E-03	4.40E-03	8.52E-03	4.07E-03	4.34E-03	8.40E-03
6044 479205.76, 3850677.95	0.10052	0.10712	1.57E-02	1.75E-02	1.48E-02	1.52E-02	1.43E-02	4.17E-03	4.44E-03	8.61E-03	4.07E-03	4.34E-03	8.41E-03	4.02E-03	4.28E-03	8.29E-03
6045 479117.9, 3850635.3	0.0973	0.10332	1.52E-02	1.69E-02	1.44E-02	1.47E-02	1.39E-02	4.04E-03	4.29E-03	8.32E-03	3.94E-03	4.18E-03	8.12E-03	3.89E-03	4.13E-03	8.01E-03
6046 479030.05, 3850592.65	0.09454	0.09998	1.48E-02	1.63E-02	1.40E-02	1.43E-02	1.35E-02	3.92E-03	4.15E-03	8.07E-03	3.83E-03	4.05E-03	7.88E-03	3.78E-03	3.99E-03	7.77E-03
6047 478942.19, 3850550	0.09619	0.10157	1.51E-02	1.66E-02	1.42E-02	1.45E-02	1.37E-02	3.99E-03	4.21E-03	8.20E-03	3.89E-03	4.11E-03	8.01E-03	3.84E-03	4.06E-03	7.90E-03
6048 478854.34, 3850507.36	0.10276	0.10836	1.61E-02	1.77E-02	1.52E-02	1.55E-02	1.47E-02	4.26E-03	4.50E-03	8.76E-03	4.16E-03	4.39E-03	8.55E-03	4.10E-03	4.33E-03	8.43E-03
6049 478766.49, 3850464.71	0.10318	0.10848	1.62E-02	1.77E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.50E-03	8.78E-03	4.18E-03	4.39E-03	8.57E-03	4.12E-03	4.33E-03	8.46E-03
6050 478678.63, 3850422.06	0.10303	0.1081	1.61E-02	1.76E-02	1.52E-02	1.56E-02	1.47E-02	4.27E-03	4.48E-03	8.76E-03	4.17E-03	4.38E-03	8.55E-03	4.12E-03	4.32E-03	8.43E-03
6051 478590.78, 3850379.41	0.10324	0.10807	1.62E-02	1.76E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.48E-03	8.77E-03	4.18E-03	4.38E-03	8.55E-03	4.12E-03	4.32E-03	8.44E-03
6052 478502.93, 3850336.77	0.103	0.10757	1.61E-02	1.76E-02	1.52E-02	1.56E-02	1.47E-02	4.27E-03	4.46E-03	8.74E-03	4.17E-03	4.35E-03	8.52E-03	4.11E-03	4.30E-03	8.41E-03
6053 478415.07, 3850294.12	0.10204	0.10627	1.60E-02	1.73E-02	1.51E-02	1.54E-02	1.45E-02	4.23E-03	4.41E-03	8.64E-03	4.13E-03	4.30E-03	8.43E-03	4.08E-03	4.25E-03	8.32E-03
6054 478327.22, 3850251.47	0.10264	0.1067	1.61E-02	1.74E-02	1.51E-02	1.55E-02	1.46E-02	4.26E-03	4.43E-03	8.69E-03	4.16E-03	4.32E-03	8.47E-03	4.10E-03	4.26E-03	8.36E-03
6055 478239.36, 3850208.82	0.10275	0.10659	1.61E-02	1.74E-02	1.52E-02	1.55E-02	1.47E-02	4.26E-03	4.42E-03	8.69E-03	4.16E-03	4.32E-03	8.47E-03	4.10E-03	4.26E-03	8.36E-03
6056 478151.51, 3850166.18	0.10259	0.10617	1.61E-02	1.73E-02	1.51E-02	1.55E-02	1.46E-02	4.26E-03	4.40E-03	8.66E-03	4.15E-03	4.30E-03	8.45E-03	4.10E-03	4.24E-03	8.34E-03
6057 478063.66, 3850123.53	0.10216	0.10547	1.60E-02	1.72E-02	1.51E-02	1.54E-02	1.46E-02	4.24E-03	4.38E-03	8.61E-03	4.14E-03	4.27E-03	8.41E-03	4.08E-03	4.21E-03	8.29E-03
6058 477975.8, 3850080.88	0.09969	0.10273	1.56E-02	1.68E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.26E-03	8.40E-03	4.04E-03	4.16E-03	8.19E-03	3.98E-03	4.10E-03	8.09E-03
6059 477887.95, 3850038.23	0.09921	0.10206	1.55E-02	1.67E-02	1.46E-02	1.50E-02	1.41E-02	4.12E-03	4.23E-03	8.35E-03	4.02E-03	4.13E-03	8.15E-03	3.96E-03	4.08E-03	8.04E-03
6060 477800.1, 3849995.59	0.09775	0.10035	1.53E-02	1.64E-02	1.44E-02	1.48E-02	1.39E-02	4.06E-03	4.16E-03	8.22E-03	3.96E-03	4.06E-03	8.02E-03	3.90E-03	4.01E-03	7.91E-03
6061 477712.24, 3849952.94	0.09812	0.1005	1.54E-02	1.64E-02	1.45E-02	1.48E-02	1.40E-02	4.07E-03	4.17E-03	8.24E-03	3.97E-03	4.07E-03	8.04E-03	3.92E-03	4.01E-03	7.93E-03
6062 477624.39, 3849910.29	0.09804	0.10021	1.54E-02	1.64E-02	1.45E-02	1.48E-02	1.40E-02	4.07E-03	4.16E-03	8.22E-03	3.97E-03	4.06E-03	8.03E-03	3.92E-03	4.00E-03	7.92E-03
6063 477536.54, 3849867.64	0.0967	0.09863	1.51E-02	1.61E-02	1.43E-02	1.46E-02	1.38E-02	4.01E-03	4.09E-03	8.10E-03	3.91E-03	3.99E-03	7.91E-03	3.86E-03	3.94E-03	7.80E-03
6064 477448.68, 3849825	0.09631	0.09804	1.51E-02	1.60E-02	1.42E-02	1.46E-02	1.37E-02	4.00E-03	4.07E-03	8.06E-03	3.90E-03	3.97E-03	7.87E-03	3.85E-03	3.92E-03	7.76E-03
6065 477360.83, 3849782.35	0.09543	0.09696	1.49E-02	1.58E-02	1.41E-02	1.44E-02	1.36E-02	3.96E-03	4.02E-03	7.98E-03	3.86E-03	3.93E-03	7.79E-03	3.81E-03	3.87E-03	7.69E-03
6066 477272.97, 3849739.7	0.09403	0.0953	1.47E-02	1.56E-02	1.39E-02	1.42E-02	1.34E-02	3.90E-03	3.95E-03	7.85E-03	3.81E-03	3.86E-03	7.66E-03	3.76E-03	3.81E-03	7.56E-03
6067 477185.12, 3849697.05	0.09365	0.09472	1.47E-02	1.55E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	3.93E-03	7.82E-03	3.79E-03	3.83E-03	7.63E-03	3.74E-03	3.78E-03	7.52E-03
6068 477097.27, 3849654.41	0.09477	0.09566	1.48E-02	1.56E-02	1.40E-02	1.43E-02	1.35E-02	3.93E-03	3.97E-03	7.90E-03	3.84E-03	3.87E-03	7.71E-03	3.79E-03	3.82E-03	7.61E-03

6069	477009.41, 3849611.76	0.09781	0.09852	1.53E-02	1.61E-02	1.44E-02	1.48E-02	1.39E-02	4.06E-03	4.09E-03	8.15E-03	3.96E-03	3.99E-03	7.95E-03	3.91E-03	3.94E-03	7.84E-03
6070	476841.49, 3849530.08	0.0986	0.09894	1.54E-02	1.61E-02	1.46E-02	1.49E-02	1.41E-02	4.09E-03	4.10E-03	8.20E-03	3.99E-03	4.01E-03	8.00E-03	3.94E-03	3.95E-03	7.89E-03
6071	476761.41, 3849491.05	0.09854	0.09873	1.54E-02	1.61E-02	1.45E-02	1.49E-02	1.41E-02	4.09E-03	4.10E-03	8.18E-03	3.99E-03	4.00E-03	7.99E-03	3.94E-03	3.94E-03	7.88E-03
6072	476681.34, 3849452.02	0.10104	0.10109	1.58E-02	1.65E-02	1.49E-02	1.53E-02	1.44E-02	4.19E-03	4.19E-03	8.39E-03	4.09E-03	4.09E-03	8.18E-03	4.04E-03	4.04E-03	8.07E-03
6073	476601.26, 3849412.99	0.10609	0.10602	1.66E-02	1.73E-02	1.57E-02	1.60E-02	1.51E-02	4.40E-03	4.40E-03	8.80E-03	4.29E-03	4.29E-03	8.59E-03	4.24E-03	4.24E-03	8.47E-03
6074	476456.32, 3849353.67	0.12213	0.12221	1.91E-02	1.99E-02	1.80E-02	1.85E-02	1.74E-02	5.07E-03	5.07E-03	1.01E-02	4.94E-03	4.95E-03	9.89E-03	4.88E-03	4.88E-03	9.76E-03
6075	476305.43, 3849318.83	0.11671	0.11746	1.83E-02	1.92E-02	1.72E-02	1.76E-02	1.66E-02	4.84E-03	4.87E-03	9.72E-03	4.72E-03	4.76E-03	9.48E-03	4.66E-03	4.69E-03	9.35E-03
6076	476129.36, 3849289.99	0.10593	0.10679	1.66E-02	1.74E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.43E-03	8.83E-03	4.29E-03	4.32E-03	8.61E-03	4.23E-03	4.27E-03	8.50E-03
6077	476039.31, 3849275.68	0.10217	0.10287	1.60E-02	1.68E-02	1.51E-02	1.54E-02	1.46E-02	4.24E-03	4.27E-03	8.51E-03	4.14E-03	4.16E-03	8.30E-03	4.08E-03	4.11E-03	8.19E-03
6078	475949.26, 3849261.38	0.10354	0.10409	1.62E-02	1.70E-02	1.53E-02	1.57E-02	1.48E-02	4.30E-03	4.32E-03	8.61E-03	4.19E-03	4.21E-03	8.41E-03	4.14E-03	4.16E-03	8.29E-03
6079	475859.21, 3849247.08	0.09811	0.09849	1.54E-02	1.61E-02	1.45E-02	1.48E-02	1.40E-02	4.07E-03	4.09E-03	8.16E-03	3.97E-03	3.99E-03	7.96E-03	3.92E-03	3.93E-03	7.85E-03
6080	475769.16, 3849232.77	0.09404	0.0943	1.47E-02	1.54E-02	1.39E-02	1.42E-02	1.34E-02	3.90E-03	3.91E-03	7.81E-03	3.81E-03	3.82E-03	7.62E-03	3.76E-03	3.77E-03	7.52E-03
6081	475585.22, 3849219.27	0.05476	0.05507	8.58E-03	8.99E-03	8.08E-03	8.28E-03	7.81E-03	2.27E-03	2.28E-03	4.56E-03	2.22E-03	2.23E-03	4.45E-03	2.19E-03	2.20E-03	4.39E-03
6082	475444.49, 3849150.34	0.10805	0.10854	1.69E-02	1.77E-02	1.59E-02	1.63E-02	1.54E-02	4.48E-03	4.50E-03	8.99E-03	4.37E-03	4.39E-03	8.77E-03	4.32E-03	4.34E-03	8.65E-03
6083	475334.17, 3849118.71	0.08993	0.09028	1.41E-02	1.47E-02	1.33E-02	1.36E-02	1.28E-02	3.73E-03	3.75E-03	7.48E-03	3.64E-03	3.65E-03	7.30E-03	3.59E-03	3.61E-03	7.20E-03
6084	475230.46, 3849060.57	0.10578	0.10622	1.66E-02	1.73E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.41E-03	8.80E-03	4.28E-03	4.30E-03	8.58E-03	4.23E-03	4.24E-03	8.47E-03
6085	475110.86, 3848960.97	0.12204	0.12319	1.91E-02	2.01E-02	1.80E-02	1.84E-02	1.74E-02	5.06E-03	5.11E-03	1.02E-02	4.94E-03	4.99E-03	9.93E-03	4.88E-03	4.92E-03	9.80E-03
6086	475037.79, 3848896.28	0.12794	0.12915	2.00E-02	2.11E-02	1.89E-02	1.93E-02	1.82E-02	5.31E-03	5.36E-03	1.07E-02	5.18E-03	5.23E-03	1.04E-02	5.11E-03	5.16E-03	1.03E-02
6087	474964.72, 3848831.59	0.13322	0.13444	2.09E-02	2.19E-02	1.97E-02	2.01E-02	1.90E-02	5.53E-03	5.58E-03	1.11E-02	5.39E-03	5.44E-03	1.08E-02	5.32E-03	5.37E-03	1.07E-02
6088	474891.65, 3848766.9	0.13642	0.13764	2.14E-02	2.25E-02	2.01E-02	2.06E-02	1.95E-02	5.66E-03	5.71E-03	1.14E-02	5.52E-03	5.57E-03	1.11E-02	5.45E-03	5.50E-03	1.09E-02
6089	474818.58, 3848702.22	0.14186	0.14308	2.22E-02	2.34E-02	2.09E-02	2.14E-02	2.02E-02	5.89E-03	5.94E-03	1.18E-02	5.74E-03	5.79E-03	1.15E-02	5.67E-03	5.72E-03	1.14E-02
6090	474745.51, 3848637.53	0.13704	0.13817	2.15E-02	2.26E-02	2.02E-02	2.07E-02	1.95E-02	5.69E-03	5.73E-03	1.14E-02	5.55E-03	5.59E-03	1.11E-02	5.47E-03	5.52E-03	1.10E-02
6091	474672.44, 3848572.84	0.14037	0.14148	2.20E-02	2.31E-02	2.07E-02	2.12E-02	2.00E-02	5.82E-03	5.87E-03	1.17E-02	5.68E-03	5.73E-03	1.14E-02	5.61E-03	5.65E-03	1.13E-02
6092	474599.37, 3848508.15	0.14912	0.15025	2.34E-02	2.45E-02	2.20E-02	2.25E-02	2.13E-02	6.19E-03	6.23E-03	1.24E-02	6.04E-03	6.08E-03	1.21E-02	5.96E-03	6.00E-03	1.20E-02
6093	474526.3, 3848443.46	0.15357	0.1547	2.41E-02	2.53E-02	2.27E-02	2.32E-02	2.19E-02	6.37E-03	6.42E-03	1.28E-02	6.22E-03	6.26E-03	1.25E-02	6.13E-03	6.18E-03	1.23E-02

			Existing	S.Main(100%)	No Project	2033	2048	With Project			2033			2048		
	Period	Rates (g/s):	1.52E-01	1.58E-01	1.43E-01	1.47E-01	1.38E-01	4.02E-02	4.02E-02		3.93E-02	3.93E-02		3.87E-02	3.87E-02	
	Concentration [ug/m^3] at 1 g/s		Concentration [ug/m^3]													
X, Y	Existing/N.M	S.Main(SLINE2)	Existing	S.Main(100%)	2028	2033	2048	N.Main (2028)	S.Main (2028)	N+S (2028)	N.Main (2033)	S.Main (2033)	N+S (2033)	N.Main (2028)	S.Main (2028)	N+S (2048)
1 485973.61, 3854936.51	0.02961	0.08579	4.50E-03	1.36E-02	4.24E-03	4.34E-03	4.10E-03	1.19E-03	3.45E-03	4.64E-03	1.16E-03	3.37E-03	4.53E-03	1.15E-03	3.32E-03	4.47E-03
2 486023.61, 3854936.51	0.02891	0.083	4.39E-03	1.31E-02	4.14E-03	4.24E-03	4.00E-03	1.16E-03	3.34E-03	4.50E-03	1.14E-03	3.26E-03	4.39E-03	1.12E-03	3.22E-03	4.34E-03
3 486073.61, 3854936.51	0.02848	0.08052	4.33E-03	1.27E-02	4.08E-03	4.18E-03	3.94E-03	1.15E-03	3.24E-03	4.39E-03	1.12E-03	3.16E-03	4.28E-03	1.10E-03	3.12E-03	4.22E-03
4 486123.61, 3854936.51	0.02712	0.07536	4.12E-03	1.19E-02	3.88E-03	3.98E-03	3.75E-03	1.09E-03	3.03E-03	4.12E-03	1.06E-03	2.96E-03	4.02E-03	1.05E-03	2.92E-03	3.97E-03
5 486173.61, 3854936.51	0.02715	0.07402	4.13E-03	1.17E-02	3.89E-03	3.98E-03	3.76E-03	1.09E-03	2.98E-03	4.07E-03	1.07E-03	2.91E-03	3.97E-03	1.05E-03	2.87E-03	3.92E-03
6 486223.61, 3854936.51	0.02647	0.07066	4.02E-03	1.12E-02	3.79E-03	3.88E-03	3.66E-03	1.07E-03	2.84E-03	3.91E-03	1.04E-03	2.77E-03	3.81E-03	1.03E-03	2.74E-03	3.76E-03
7 486273.61, 3854936.51	0.02607	0.06815	3.96E-03	1.08E-02	3.73E-03	3.82E-03	3.61E-03	1.05E-03	2.74E-03	3.79E-03	1.02E-03	2.68E-03	3.70E-03	1.01E-03	2.64E-03	3.65E-03
8 486323.61, 3854936.51	0.02583	0.06592	3.92E-03	1.04E-02	3.70E-03	3.79E-03	3.57E-03	1.04E-03	2.65E-03	3.69E-03	1.01E-03	2.59E-03	3.60E-03	1.00E-03	2.55E-03	3.56E-03
9 485973.61, 3854986.51	0.03062	0.09151	4.65E-03	1.45E-02	4.38E-03	4.49E-03	4.23E-03	1.23E-03	3.68E-03	4.91E-03	1.20E-03	3.59E-03	4.80E-03	1.19E-03	3.55E-03	4.73E-03
10 486023.61, 3854986.51	0.03004	0.08932	4.56E-03	1.41E-02	4.30E-03	4.40E-03	4.15E-03	1.21E-03	3.59E-03	4.80E-03	1.18E-03	3.51E-03	4.69E-03	1.16E-03	3.46E-03	4.63E-03
11 486073.61, 3854986.51	0.02934	0.08537	4.46E-03	1.35E-02	4.20E-03	4.30E-03	4.06E-03	1.18E-03	3.44E-03	4.62E-03	1.15E-03	3.35E-03	4.50E-03	1.14E-03	3.31E-03	4.44E-03
12 486123.61, 3854986.51	0.02866	0.08243	4.35E-03	1.31E-02	4.10E-03	4.20E-03	3.96E-03	1.15E-03	3.32E-03	4.47E-03	1.13E-03	3.24E-03	4.36E-03	1.11E-03	3.19E-03	4.30E-03
13 486173.61, 3854986.51	0.02835	0.08015	4.31E-03	1.27E-02	4.06E-03	4.16E-03	3.92E-03	1.14E-03	3.23E-03	4.37E-03	1.11E-03	3.15E-03	4.26E-03	1.10E-03	3.11E-03	4.20E-03
14 486223.61, 3854986.51	0.02755	0.07635	4.19E-03	1.21E-02	3.94E-03	4.04E-03	3.81E-03	1.11E-03	3.07E-03	4.18E-03	1.08E-03	3.00E-03	4.08E-03	1.07E-03	2.96E-03	4.03E-03
15 486273.61, 3854986.51	0.02678	0.07282	4.07E-03	1.15E-02	3.83E-03	3.93E-03	3.70E-03	1.08E-03	2.93E-03	4.01E-03	1.05E-03	2.86E-03	3.91E-03	1.04E-03	2.82E-03	3.86E-03
16 486323.61, 3854986.51	0.02693	0.07205	4.09E-03	1.14E-02	3.86E-03	3.95E-03	3.72E-03	1.08E-03	2.90E-03	3.98E-03	1.06E-03	2.83E-03	3.89E-03	1.04E-03	2.79E-03	3.84E-03
17 485973.61, 3855036.51	0.03192	0.09898	4.85E-03	1.57E-02	4.57E-03	4.68E-03	4.41E-03	1.28E-03	3.98E-03	5.27E-03	1.25E-03	3.89E-03	5.14E-03	1.24E-03	3.84E-03	5.07E-03
18 486023.61, 3855036.51	0.03114	0.09475	4.73E-03	1.50E-02	4.46E-03	4.57E-03	4.31E-03	1.25E-03	3.81E-03	5.07E-03	1.22E-03	3.72E-03	4.94E-03	1.21E-03	3.67E-03	4.88E-03
19 486073.61, 3855036.51	0.03013	0.08979	4.58E-03	1.42E-02	4.31E-03	4.42E-03	4.17E-03	1.21E-03	3.61E-03	4.83E-03	1.18E-03	3.53E-03	4.71E-03	1.17E-03	3.48E-03	4.65E-03
20 486123.61, 3855036.51	0.02948	0.08627	4.48E-03	1.37E-02	4.22E-03	4.32E-03	4.08E-03	1.19E-03	3.47E-03	4.66E-03	1.16E-03	3.39E-03	4.55E-03	1.14E-03	3.34E-03	4.49E-03
21 486173.61, 3855036.51	0.0291	0.08423	4.42E-03	1.33E-02	4.17E-03	4.27E-03	4.02E-03	1.17E-03	3.39E-03	4.56E-03	1.14E-03	3.31E-03	4.45E-03	1.13E-03	3.26E-03	4.39E-03
22 486223.61, 3855036.51	0.02839	0.08032	4.31E-03	1.27E-02	4.06E-03	4.16E-03	3.93E-03	1.14E-03	3.23E-03	4.37E-03	1.11E-03	3.15E-03	4.27E-03	1.10E-03	3.11E-03	4.21E-03
23 486273.61, 3855036.51	0.02827	0.07874	4.30E-03	1.25E-02	4.05E-03	4.15E-03	3.91E-03	1.14E-03	3.17E-03	4.31E-03	1.11E-03	3.09E-03	4.20E-03	1.10E-03	3.05E-03	4.15E-03
24 486323.61, 3855036.51	0.0277	0.07583	4.21E-03	1.20E-02	3.97E-03	4.06E-03	3.83E-03	1.11E-03	3.05E-03	4.17E-03	1.09E-03	2.98E-03	4.07E-03	1.07E-03	2.94E-03	4.01E-03
25 485973.61, 3855086.51	0.03308	0.10304	5.03E-03	1.63E-02	4.74E-03	4.85E-03	4.58E-03	1.33E-03	4.15E-03	5.48E-03	1.30E-03	4.05E-03	5.35E-03	1.28E-03	3.99E-03	5.27E-03
26 486023.61, 3855086.51	0.0325	0.09927	4.94E-03	1.57E-02	4.65E-03	4.77E-03	4.49E-03	1.31E-03	3.99E-03	5.30E-03	1.28E-03	3.90E-03	5.17E-03	1.26E-03	3.85E-03	5.11E-03
27 486073.61, 3855086.51	0.03134	0.09367	4.76E-03	1.48E-02	4.49E-03	4.60E-03	4.33E-03	1.26E-03	3.77E-03	5.03E-03	1.23E-03	3.68E-03	4.91E-03	1.21E-03	3.63E-03	4.84E-03
28 486123.61, 3855086.51	0.03082	0.09022	4.68E-03	1.43E-02	4.41E-03	4.52E-03	4.26E-03	1.24E-03	3.63E-03	4.87E-03	1.21E-03	3.54E-03	4.75E-03	1.19E-03	3.50E-03	4.69E-03
29 486173.61, 3855086.51	0.0299	0.08648	4.54E-03	1.37E-02	4.28E-03	4.38E-03	4.14E-03	1.20E-03	3.48E-03	4.68E-03	1.17E-03	3.40E-03	4.57E-03	1.16E-03	3.35E-03	4.51E-03
30 486223.61, 3855086.51	0.02923	0.08361	4.44E-03	1.32E-02	4.18E-03	4.29E-03	4.04E-03	1.18E-03	3.36E-03	4.54E-03	1.15E-03	3.28E-03	4.43E-03	1.13E-03	3.24E-03	4.37E-03
31 485973.61, 3855136.51	0.03387	0.10364	5.15E-03	1.64E-02	4.85E-03	4.97E-03	4.68E-03	1.36E-03	4.17E-03	5.53E-03	1.33E-03	4.07E-03	5.40E-03	1.31E-03	4.02E-03	5.33E-03
32 486023.61, 3855136.51	0.0335	0.09992	5.09E-03	1.58E-02	4.80E-03	4.91E-03	4.63E-03	1.35E-03	4.02E-03	5.37E-03	1.32E-03	3.92E-03	5.24E-03	1.30E-03	3.87E-03	5.17E-03
33 486073.61, 3855136.51	0.03289	0.09642	5.00E-03	1.53E-02	4.71E-03	4.82E-03	4.55E-03	1.32E-03	3.88E-03	5.20E-03	1.29E-03	3.79E-03	5.08E-03	1.27E-03	3.74E-03	5.01E-03
34 486123.61, 3855136.51	0.03211	0.09339	4.88E-03	1.48E-02	4.60E-03	4.71E-03	4.44E-03	1.29E-03	3.76E-03	5.05E-03	1.26E-03	3.67E-03	4.93E-03	1.24E-03	3.62E-03	4.86E-03
35 486173.61, 3855136.51	0.03124	0.09007	4.75E-03	1.43E-02	4.47E-03	4.58E-03	4.32E-03	1.26E-03	3.62E-03	4.88E-03	1.23E-03	3.54E-03	4.76E-03	1.21E-03	3.49E-03	4.70E-03
36 486223.61, 3855136.51	0.03054	0.08806	4.64E-03	1.39E-02	4.37E-03	4.48E-03	4.22E-03	1.23E-03	3.54E-03	4.77E-03	1.20E-03	3.46E-03	4.66E-03	1.18E-03	3.41E-03	4.60E-03
37 485973.61, 3855186.51	0.0356	0.10608	5.41E-03	1.68E-02	5.10E-03	5.22E-03	4.92E-03	1.43E-03	4.27E-03	5.70E-03	1.40E-03	4.17E-03	5.56E-03	1.38E-03	4.11E-03	5.49E-03
38 486023.61, 3855186.51	0.03454	0.10114	5.25E-03	1.60E-02	4.94E-03	5.06E-03	4.78E-03	1.39E-03	4.07E-03	5.46E-03	1.36E-03	3.97E-03	5.33E-03	1.34E-03	3.92E-03	5.26E-03
39 486073.61, 3855186.51	0.03359	0.09669	5.10E-03	1.53E-02	4.81E-03	4.93E-03	4.65E-03	1.35E-03	3.89E-03	5.24E-03	1.32E-03	3.80E-03	5.12E-03	1.30E-03	3.75E-03	5.05E-03
40 486123.61, 3855186.51	0.03312	0.09284	5.03E-03	1.47E-02	4.74E-03	4.86E-03	4.58E-03	1.33E-03	3.74E-03	5.07E-03	1.30E-03	3.65E-03	4.95E-03	1.28E-03	3.60E-03	4.88E-03
41 486173.61, 3855186.51	0.03239	0.08961	4.92E-03	1.42E-02	4.64E-03	4.75E-03	4.48E-03	1.30E-03	3.61E-03	4.91E-03	1.27E-03	3.52E-03	4.79E-03	1.26E-03	3.47E-03	4.73E-03
42 486223.61, 3855186.51	0.03164	0.08688	4.81E-03	1.38E-02	4.53E-03	4.64E-03	4.38E-03	1.27E-03	3.50E-03	4.77E-03	1.24E-03	3.41E-03	4.65E-03	1.23E-03	3.37E-03	4.59E-03
43 486273.61, 3855186.51	0.03082	0.08419	4.68E-03	1.33E-02	4.41E-03	4.52E-03	4.26E-03	1.24E-03	3.39E-03	4.63E-03	1.21E-03	3.31E-03	4.52E-03	1.19E-03	3.26E-03	4.46E-03
44 486323.61, 3855186.51	0.03099	0.08425	4.71E-03	1.33E-02	4.44E-03	4.54E-03	4.29E-03	1.25E-03	3.39E-03	4.64E-03	1.22E-03	3.31E-03	4.53E-03	1.20E-03	3.26E-03	4.47E-03
45 485973.61, 3855236.51	0.03686	0.11077	5.60E-03	1.75E-02	5.28E-03	5.40E-03	5.10E-03	1.48E-03	4.46E-03	5.94E-03	1.45E-03	4.35E-03	5.80E-03	1.43E-03	4.29E-03	5.72E-03
46 486023.61, 3855236.51	0.03582	0.10536	5.44E-03	1.67E-02	5.13E-03	5.25E-03	4.95E-03	1.44E-03	4.24E-03	5.68E-03	1.41E-03	4.14E-03	5.54E-03	1.39E-03	4.08E-03	5.47E-03
47 486073.61, 3855236.51	0.03463	0.09994	5.26E-03	1.58E-02	4.96E-03	5.08E-03	4.79E-03	1.39E-03	4.02E-03	5.42E-03	1.36E-03	3.92E-03	5.28E-03	1.34E-03	3.87E-03	5.21E-03
48 486123.61, 3855236.51	0.03379	0.09497	5.13E-03	1.50E-02	4.84E-03	4.95E-03	4.67E-03	1.36E-03	3.82E-03	5.18E-03	1.33E-03	3.73E-03	5.06E-03	1.31E-03	3.68E-03	4.99E-03
49 486173.61, 3855236.51	0.03321	0.09074	5.05E-03	1.44E-02	4.75E-03	4.87E-03	4.59E-03	1.34E-03	3.65E-03	4.99E-03	1.30E-03	3.56E-03	4.87E-03	1.29E-03	3.52E-03	4.80E-03
50 486223.61, 3855236.51	0.03285	0.08772	4.99E-03	1.39E-02	4.70E-03	4.82E-03	4.54E-03	1.32E-03	3.53E-03	4.85E-03	1.29E-03	3.44E-03	4.73E-03	1.27E-03	3.40E-03	4.67E-03
51 486273.61, 3855236.51	0.03149	0.08282	4.78E-03	1.31E-02	4.51E-03	4.62E-03	4.36E-03	1.27E-03	3.33E-03	4.60E-03	1.24E-03	3.25E-03	4.49E-03	1.22E-03	3.21E-03	4.43E-03
52 486323.61, 3855236.51	0.03229	0.08478	4.91E-03	1.34E-02	4.62E-03	4.73E-03	4.47E-03	1.30E-03	3.41E-03	4.71E-03	1.27E-03	3.33E-03	4.60E-03	1.25E-03	3.29E-03	4.54E-03
53 485973.61, 3855286.51	0.03853	0.11462	5.85E-03	1.81E-02	5.52E-03	5.65E-03	5.33E-03	1.55E-03	4.61E-03	6.16E-03	1.51E-03	4.50E-03	6.01E-03	1.49E-03	4.44E-03	5.93E-03
54 486023.61, 3855286.51	0.03712	0.10802	5.64E-03	1.71E-02	5.31E-03	5.44E-03	5.13E-03	1.49E-03	4.35E-03	5.84E-03	1.46E-03	4.24E-03	5.70E-03	1.44E-03	4.19E-03	5.62E-03
55 486073.61, 3855286.51	0.03596	0.10257	5.46E-03	1.62E-02	5.15E-03	5.27E-03	4.97E-03	1.45E-03	4.13E-03	5.57E-03	1.41E-03	4.03E-03	5.44E-03	1.39E-03	3.97E-03	5.37E-03
56 486123.61, 3855286.51	0.03508	0.09714	5.33E-03	1.54E-02	5.02E-03	5.14E-03	4.85E-03	1.41E-03	3.91E-03	5.32E-03	1.38E-03	3.81E-03	5.19E-03	1.36E-03	3.76E-03	5.12E-03
57 486173.61, 3855286.51	0.03413	0.09377	5.19E-03	1.48E-02	4.89E-03	5.00E-03	4.72E-03	1.37E-03	3.77E-03	5.15E-03	1.34E-03	3.68E-03	5.02E-03	1.32E-03	3.63E-03	4.96E-03
58 486223.61, 3855286.51	0.03341	0.09093	5.08E-03	1.44E-02	4.78E-03	4.90E-03	4.62E-03	1.34E-03	3.66E-03	5.00E-03	1.31E-03	3.57E-03	4.88E-03	1.29E-03	3.52E-03	4.82E-03
59 486123.61, 3855336.51	0.03615	0.10031	5.49E-03	1.59E-02	5.18E-03	5.30E-03	5.00E-03	1.45E-03	4.04E-03	5.49E-03	1.42E-03	3.94E-03	5.36E-03	1.40E-03	3.89E-03	5.29E-03
60 486173.61, 3855336.51	0.03533	0.09603	5.37E-03	1.52E-02	5.06E-03	5.18E-03	4.89E-03	1.42E-03	3.86E-03	5.29E-03	1.39E-03	3.77E-03	5.16E-03	1.37E-03	3.72E-03	5.09E-03
61 486223.61, 3855336.51	0.03477	0.0916	5.28E-03	1.45E-02	4.98E-03	5.10E-03	4.81E-03	1.40E-03	3.69E-03	5.09E-03	1.37E-03	3.60E-03	4.96E-03	1.35E-03	3.55E-03	4.90E-03
62 486123.61, 3855386.51	0.03749	0.10394	5.70E-03	1.65E-02	5.37E-03	5.50E-03	5.19E-03	1.51E-03	4.18E-03	5.69E-03	1.47E-03	4.08E-03	5.55E-03	1.45E-03	4.03E-03	5.48E-03

63	486173.61, 3855386.51	0.03667	0.10058	5.57E-03	1.59E-02	5.25E-03	5.38E-03	5.07E-03	1.48E-03	4.05E-03	5.52E-03	1.44E-03	3.95E-03	5.39E-03	1.42E-03	3.90E-03	5.32E-03
64	486223.61, 3855386.51	0.03579	0.09614	5.44E-03	1.52E-02	5.12E-03	5.25E-03	4.95E-03	1.44E-03	3.87E-03	5.31E-03	1.41E-03	3.78E-03	5.18E-03	1.39E-03	3.73E-03	5.11E-03
65	486533.18, 3855443.15	0.0339	0.0796	5.15E-03	1.26E-02	4.85E-03	4.97E-03	4.69E-03	1.36E-03	3.20E-03	4.57E-03	1.33E-03	3.13E-03	4.46E-03	1.31E-03	3.08E-03	4.40E-03
66	486583.18, 3855443.15	0.03336	0.07726	5.07E-03	1.22E-02	4.78E-03	4.89E-03	4.61E-03	1.34E-03	3.11E-03	4.45E-03	1.31E-03	3.03E-03	4.34E-03	1.29E-03	2.99E-03	4.29E-03
67	486633.18, 3855443.15	0.03243	0.07493	4.93E-03	1.19E-02	4.64E-03	4.76E-03	4.49E-03	1.31E-03	3.02E-03	4.32E-03	1.27E-03	2.94E-03	4.22E-03	1.26E-03	2.90E-03	4.16E-03
68	486683.18, 3855443.15	0.03148	0.0735	4.78E-03	1.16E-02	4.51E-03	4.62E-03	4.35E-03	1.27E-03	2.96E-03	4.22E-03	1.24E-03	2.89E-03	4.12E-03	1.22E-03	2.85E-03	4.07E-03
69	486533.18, 3855493.15	0.03512	0.08253	5.34E-03	1.31E-02	5.03E-03	5.15E-03	4.86E-03	1.41E-03	3.32E-03	4.73E-03	1.38E-03	3.24E-03	4.62E-03	1.36E-03	3.20E-03	4.56E-03
70	486583.18, 3855493.15	0.03449	0.07976	5.24E-03	1.26E-02	4.94E-03	5.06E-03	4.77E-03	1.39E-03	3.21E-03	4.60E-03	1.35E-03	3.13E-03	4.49E-03	1.34E-03	3.09E-03	4.43E-03
71	486633.18, 3855493.15	0.03382	0.07676	5.14E-03	1.22E-02	4.84E-03	4.96E-03	4.68E-03	1.36E-03	3.09E-03	4.45E-03	1.33E-03	3.01E-03	4.34E-03	1.31E-03	2.97E-03	4.28E-03
72	486683.18, 3855493.15	0.03297	0.07495	5.01E-03	1.19E-02	4.72E-03	4.83E-03	4.56E-03	1.33E-03	3.02E-03	4.34E-03	1.29E-03	2.94E-03	4.24E-03	1.28E-03	2.90E-03	4.18E-03
73	486533.18, 3855543.15	0.03578	0.0831	5.44E-03	1.32E-02	5.12E-03	5.25E-03	4.95E-03	1.44E-03	3.34E-03	4.78E-03	1.41E-03	3.26E-03	4.67E-03	1.39E-03	3.22E-03	4.61E-03
74	486583.18, 3855543.15	0.03528	0.08039	5.36E-03	1.27E-02	5.05E-03	5.17E-03	4.88E-03	1.42E-03	3.24E-03	4.65E-03	1.39E-03	3.16E-03	4.54E-03	1.37E-03	3.11E-03	4.48E-03
75	486633.18, 3855543.15	0.03482	0.07875	5.29E-03	1.25E-02	4.98E-03	5.11E-03	4.82E-03	1.40E-03	3.17E-03	4.57E-03	1.37E-03	3.09E-03	4.46E-03	1.35E-03	3.05E-03	4.40E-03
76	486683.18, 3855543.15	0.03373	0.07556	5.13E-03	1.20E-02	4.83E-03	4.95E-03	4.67E-03	1.36E-03	3.04E-03	4.40E-03	1.32E-03	2.97E-03	4.29E-03	1.31E-03	2.93E-03	4.23E-03
77	486533.18, 3855593.15	0.03681	0.08485	5.59E-03	1.34E-02	5.27E-03	5.40E-03	5.09E-03	1.48E-03	3.41E-03	4.90E-03	1.45E-03	3.33E-03	4.78E-03	1.43E-03	3.29E-03	4.71E-03
78	486583.18, 3855593.15	0.03601	0.08148	5.47E-03	1.29E-02	5.16E-03	5.28E-03	4.98E-03	1.45E-03	3.28E-03	4.73E-03	1.41E-03	3.20E-03	4.61E-03	1.40E-03	3.16E-03	4.55E-03
79	486633.18, 3855593.15	0.03528	0.07933	5.36E-03	1.26E-02	5.05E-03	5.17E-03	4.88E-03	1.42E-03	3.19E-03	4.61E-03	1.39E-03	3.12E-03	4.50E-03	1.37E-03	3.07E-03	4.44E-03
80	486683.18, 3855593.15	0.03513	0.07772	5.34E-03	1.23E-02	5.03E-03	5.15E-03	4.86E-03	1.41E-03	3.13E-03	4.54E-03	1.38E-03	3.05E-03	4.43E-03	1.36E-03	3.01E-03	4.37E-03
81	486533.18, 3855643.15	0.03774	0.08768	5.73E-03	1.39E-02	5.40E-03	5.53E-03	5.22E-03	1.52E-03	3.53E-03	5.05E-03	1.48E-03	3.44E-03	4.93E-03	1.46E-03	3.40E-03	4.86E-03
82	486583.18, 3855643.15	0.03699	0.08422	5.62E-03	1.33E-02	5.30E-03	5.42E-03	5.12E-03	1.49E-03	3.39E-03	4.88E-03	1.45E-03	3.31E-03	4.76E-03	1.43E-03	3.26E-03	4.70E-03
83	486633.18, 3855643.15	0.0363	0.08158	5.52E-03	1.29E-02	5.20E-03	5.32E-03	5.02E-03	1.46E-03	3.28E-03	4.74E-03	1.43E-03	3.20E-03	4.63E-03	1.41E-03	3.16E-03	4.57E-03
84	486683.18, 3855643.15	0.0356	0.07937	5.41E-03	1.26E-02	5.10E-03	5.22E-03	4.92E-03	1.43E-03	3.19E-03	4.63E-03	1.40E-03	3.12E-03	4.51E-03	1.38E-03	3.08E-03	4.45E-03
85	486533.18, 3855693.15	0.03874	0.0915	5.89E-03	1.45E-02	5.55E-03	5.68E-03	5.36E-03	1.56E-03	3.68E-03	5.24E-03	1.52E-03	3.59E-03	5.11E-03	1.50E-03	3.55E-03	5.05E-03
86	486583.18, 3855693.15	0.03779	0.08705	5.74E-03	1.38E-02	5.41E-03	5.54E-03	5.23E-03	1.52E-03	3.50E-03	5.02E-03	1.48E-03	3.42E-03	4.90E-03	1.46E-03	3.37E-03	4.84E-03
87	486633.18, 3855693.15	0.03665	0.08312	5.57E-03	1.32E-02	5.25E-03	5.37E-03	5.07E-03	1.47E-03	3.35E-03	4.82E-03	1.44E-03	3.26E-03	4.70E-03	1.42E-03	3.22E-03	4.64E-03
88	486683.18, 3855693.15	0.03642	0.08159	5.53E-03	1.29E-02	5.21E-03	5.34E-03	5.04E-03	1.47E-03	3.28E-03	4.75E-03	1.43E-03	3.20E-03	4.63E-03	1.41E-03	3.16E-03	4.57E-03
89	486733.18, 3855693.15	0.03655	0.08069	5.55E-03	1.28E-02	5.23E-03	5.36E-03	5.06E-03	1.47E-03	3.25E-03	4.72E-03	1.44E-03	3.17E-03	4.60E-03	1.42E-03	3.13E-03	4.54E-03
90	486783.18, 3855693.15	0.03681	0.08073	5.59E-03	1.28E-02	5.27E-03	5.40E-03	5.09E-03	1.48E-03	3.25E-03	4.73E-03	1.45E-03	3.17E-03	4.62E-03	1.43E-03	3.13E-03	4.55E-03
91	486533.18, 3855743.15	0.03949	0.09565	6.00E-03	1.51E-02	5.65E-03	5.79E-03	5.46E-03	1.59E-03	3.85E-03	5.44E-03	1.55E-03	3.76E-03	5.31E-03	1.53E-03	3.71E-03	5.24E-03
92	486583.18, 3855743.15	0.03815	0.08929	5.80E-03	1.41E-02	5.46E-03	5.59E-03	5.28E-03	1.54E-03	3.59E-03	5.13E-03	1.50E-03	3.51E-03	5.00E-03	1.48E-03	3.46E-03	4.94E-03
93	486633.18, 3855743.15	0.03737	0.08532	5.68E-03	1.35E-02	5.35E-03	5.48E-03	5.17E-03	1.50E-03	3.43E-03	4.94E-03	1.47E-03	3.35E-03	4.82E-03	1.45E-03	3.31E-03	4.75E-03
94	486683.18, 3855743.15	0.03732	0.0845	5.67E-03	1.34E-02	5.34E-03	5.47E-03	5.16E-03	1.50E-03	3.40E-03	4.90E-03	1.47E-03	3.32E-03	4.78E-03	1.45E-03	3.27E-03	4.72E-03
95	486733.18, 3855743.15	0.03702	0.08305	5.63E-03	1.31E-02	5.30E-03	5.43E-03	5.12E-03	1.49E-03	3.34E-03	4.83E-03	1.45E-03	3.26E-03	4.72E-03	1.43E-03	3.22E-03	4.65E-03
96	486783.18, 3855743.15	0.03743	0.08401	5.69E-03	1.33E-02	5.36E-03	5.49E-03	5.18E-03	1.51E-03	3.38E-03	4.89E-03	1.47E-03	3.30E-03	4.77E-03	1.45E-03	3.26E-03	4.71E-03
97	486533.18, 3855793.15	0.0409	0.0982	6.21E-03	1.55E-02	5.86E-03	6.00E-03	5.66E-03	1.65E-03	3.95E-03	5.60E-03	1.61E-03	3.86E-03	5.46E-03	1.58E-03	3.81E-03	5.39E-03
98	486583.18, 3855793.15	0.03836	0.09135	5.83E-03	1.45E-02	5.49E-03	5.62E-03	5.31E-03	1.54E-03	3.68E-03	5.22E-03	1.51E-03	3.59E-03	5.09E-03	1.49E-03	3.54E-03	5.03E-03
99	486633.18, 3855793.15	0.03824	0.08993	5.81E-03	1.42E-02	5.47E-03	5.61E-03	5.29E-03	1.54E-03	3.62E-03	5.16E-03	1.50E-03	3.53E-03	5.03E-03	1.48E-03	3.48E-03	4.97E-03
100	486683.18, 3855793.15	0.03818	0.08971	5.80E-03	1.42E-02	5.47E-03	5.60E-03	5.28E-03	1.54E-03	3.61E-03	5.15E-03	1.50E-03	3.52E-03	5.02E-03	1.48E-03	3.48E-03	4.96E-03
101	486733.18, 3855793.15	0.03798	0.08808	5.77E-03	1.39E-02	5.44E-03	5.57E-03	5.25E-03	1.53E-03	3.54E-03	5.07E-03	1.49E-03	3.46E-03	4.95E-03	1.47E-03	3.41E-03	4.88E-03
102	486783.18, 3855793.15	0.03789	0.08714	5.76E-03	1.38E-02	5.42E-03	5.56E-03	5.24E-03	1.52E-03	3.51E-03	5.03E-03	1.49E-03	3.42E-03	4.91E-03	1.47E-03	3.38E-03	4.84E-03
103	486533.18, 3855843.15	0.04181	0.10048	6.35E-03	1.59E-02	5.99E-03	6.13E-03	5.78E-03	1.68E-03	4.04E-03	5.73E-03	1.64E-03	3.95E-03	5.59E-03	1.62E-03	3.89E-03	5.51E-03
104	486583.18, 3855843.15	0.04001	0.09412	6.08E-03	1.49E-02	5.73E-03	5.87E-03	5.53E-03	1.61E-03	3.79E-03	5.40E-03	1.57E-03	3.70E-03	5.27E-03	1.55E-03	3.65E-03	5.20E-03
105	486633.18, 3855843.15	0.03915	0.09353	5.95E-03	1.48E-02	5.60E-03	5.74E-03	5.41E-03	1.58E-03	3.76E-03	5.34E-03	1.54E-03	3.67E-03	5.21E-03	1.52E-03	3.62E-03	5.14E-03
106	486683.18, 3855843.15	0.03895	0.09343	5.92E-03	1.48E-02	5.58E-03	5.71E-03	5.39E-03	1.57E-03	3.76E-03	5.33E-03	1.53E-03	3.67E-03	5.20E-03	1.51E-03	3.62E-03	5.13E-03
107	486733.18, 3855843.15	0.0389	0.09319	5.91E-03	1.48E-02	5.57E-03	5.70E-03	5.38E-03	1.57E-03	3.75E-03	5.32E-03	1.53E-03	3.66E-03	5.19E-03	1.51E-03	3.61E-03	5.12E-03
108	486783.18, 3855843.15	0.03878	0.09249	5.89E-03	1.46E-02	5.55E-03	5.69E-03	5.36E-03	1.56E-03	3.72E-03	5.28E-03	1.52E-03	3.63E-03	5.15E-03	1.50E-03	3.58E-03	5.09E-03
109	486533.18, 3855893.15	0.04162	0.10101	6.32E-03	1.60E-02	5.96E-03	6.10E-03	5.76E-03	1.67E-03	4.06E-03	5.74E-03	1.63E-03	3.97E-03	5.60E-03	1.61E-03	3.91E-03	5.53E-03
110	486583.18, 3855893.15	0.04136	0.09924	6.28E-03	1.57E-02	5.92E-03	6.06E-03	5.72E-03	1.66E-03	3.99E-03	5.66E-03	1.62E-03	3.90E-03	5.52E-03	1.60E-03	3.85E-03	5.45E-03
111	486633.18, 3855893.15	0.0411	0.09762	6.25E-03	1.55E-02	5.88E-03	6.03E-03	5.68E-03	1.65E-03	3.93E-03	5.58E-03	1.61E-03	3.83E-03	5.45E-03	1.59E-03	3.78E-03	5.38E-03
112	486683.18, 3855893.15	0.04034	0.0969	6.13E-03	1.53E-02	5.78E-03	5.91E-03	5.58E-03	1.62E-03	3.90E-03	5.52E-03	1.58E-03	3.81E-03	5.39E-03	1.56E-03	3.75E-03	5.32E-03
113	486733.18, 3855893.15	0.0403	0.09641	6.12E-03	1.53E-02	5.77E-03	5.91E-03	5.57E-03	1.62E-03	3.88E-03	5.50E-03	1.58E-03	3.79E-03	5.37E-03	1.56E-03	3.74E-03	5.30E-03
114	486783.18, 3855893.15	0.04039	0.09635	6.14E-03	1.53E-02	5.78E-03	5.92E-03	5.59E-03	1.63E-03	3.88E-03	5.50E-03	1.59E-03	3.78E-03	5.37E-03	1.57E-03	3.73E-03	5.30E-03
115	486533.18, 3855943.15	0.04238	0.10616	6.44E-03	1.68E-02	6.07E-03	6.21E-03	5.86E-03	1.71E-03	4.27E-03	5.98E-03	1.66E-03	4.17E-03	5.83E-03	1.64E-03	4.11E-03	5.76E-03
116	486583.18, 3855943.15	0.04239	0.10508	6.44E-03	1.66E-02	6.07E-03	6.22E-03	5.86E-03	1.71E-03	4.23E-03	5.93E-03	1.66E-03	4.13E-03	5.79E-03	1.64E-03	4.07E-03	5.71E-03
117	486633.18, 3855943.15	0.04203	0.10138	6.39E-03	1.61E-02	6.02E-03	6.16E-03	5.81E-03	1.69E-03	4.08E-03	5.77E-03	1.65E-03	3.98E-03	5.63E-03	1.63E-03	3.93E-03	5.56E-03
118	486683.18, 3855943.15	0.04213	0.1006	6.40E-03	1.59E-02	6.03E-03	6.18E-03	5.83E-03	1.70E-03	4.05E-03	5.74E-03	1.65E-03	3.95E-03	5.60E-03	1.63E-03	3.90E-03	5.53E-03
119	486733.18, 3855943.15	0.04176	0.09924	6.35E-03	1.57E-02	5.98E-03	6.12E-03	5.78E-03	1.68E-03	3.99E-03	5.67E-03	1.64E-03	3.90E-03	5.54E-03	1.62E-03	3.85E-03	5.46E-03
120	486783.18, 3855943.15	0.04189	0.09941	6.37E-03	1.57E-02	6.00E-03	6.14E-03	5.79E-03	1.69E-03	4.00E-03	5.69E-03	1.65E-03	3.90E-03	5.55E-03	1.62E-03	3.85E-03	5.48E-03
121	486533.18, 3855993.15	0.04417	0.11286	6.71E-03	1.79E-02	6.32E-03	6.48E-03	6.11E-03	1.78E-03	4.54E-03	6.32E-03	1.73E-03	4.43E-03	6.17E-03	1.71E-03	4.37E-03	6.08E-03
122	486583.18, 3855993.15	0.04362	0.11105	6.63E-03	1.76E-02	6.24E-03	6.40E-03	6.03E-03	1.76E-03	4.47E-03	6.22E-03	1.71E-03	4.36E-03	6.07E-03	1.69E-03	4.30E-03	5.99E-03
123	486633.18, 3855993.15	0.04328	0.10825	6.58E-03	1.71E-02	6.20E-03	6.35E-03	5.99E-03	1.74E-03	4.36E-03	6.10E-03	1.70E-03	4.25E-03	5.95E-03	1.68E-03	4.19E-03	5.87E-03
124	486683.18, 3855993.15	0.04344	0.10605	6.60E-03	1.68E-02	6.22E-03	6.37E-03	6.01E-03	1.75E-03	4.27E-03	6.02E-03	1.71E-03	4.16E-03	5.87E-03	1.68E-03	4.11E-03	5.79E-03
125	486733.18, 3855993.15	0.04319	0.1047	6.56E-03	1.66E-02	6.18E-03	6.33E-03	5.97E-03	1.74E-03	4.21E-03	5.95E-03	1.70E-03	4.11E-03	5.81E-03	1.67E-03	4.06E-03	5.73E-03
126	486783.18, 3855993.15	0.04274	0.10429	6.49E-03	1.65E-02	6.12E-03	6.27E-03	5.91E-03	1.72E-03	4.20E-03	5.92E-03	1.68E-03	4.10E-03	5.77E-03	1.66E-03	4.04E-03	5.70E-03
127	486533.18, 3856043.15	0.04525	0.12069	6.88E-03	1.91E-02	6.48E-03	6.63E-03	6.26E-03	1.82E-03	4.86E-03	6.68E-03	1.78E-03	4.74E-03	6.52E-03	1.75E-03	4.68E-03	6.43E-03
128	486583.18, 3856043.15	0.04516	0.11968	6.86E-03	1.89E-02	6.47E-03	6.62E-03	6.25E-03	1.82E-03	4.82E-03	6.63E-03	1.77E-03	4.70E-03	6.47E-03	1.75E-03	4.64E-03	6.39E-03

129 486633.18, 3856043.15	0.04474	0.11708	6.80E-03	1.85E-02	6.40E-03	6.56E-03	6.19E-03	1.80E-03	4.71E-03	6.51E-03	1.76E-03	4.60E-03	6.35E-03	1.73E-03	4.54E-03	6.27E-03
130 486683.18, 3856043.15	0.04478	0.11617	6.80E-03	1.84E-02	6.41E-03	6.57E-03	6.19E-03	1.80E-03	4.68E-03	6.48E-03	1.76E-03	4.56E-03	6.32E-03	1.74E-03	4.50E-03	6.24E-03
131 486733.18, 3856043.15	0.04447	0.11203	6.76E-03	1.77E-02	6.37E-03	6.52E-03	6.15E-03	1.79E-03	4.51E-03	6.30E-03	1.75E-03	4.40E-03	6.15E-03	1.72E-03	4.34E-03	6.06E-03
132 486783.18, 3856043.15	0.04452	0.11124	6.76E-03	1.76E-02	6.37E-03	6.53E-03	6.16E-03	1.79E-03	4.48E-03	6.27E-03	1.75E-03	4.37E-03	6.12E-03	1.73E-03	4.31E-03	6.04E-03
133 486533.18, 3856093.15	0.04672	0.13135	7.10E-03	2.08E-02	6.69E-03	6.85E-03	6.46E-03	1.88E-03	5.29E-03	7.17E-03	1.83E-03	5.16E-03	6.99E-03	1.81E-03	5.09E-03	6.90E-03
134 486583.18, 3856093.15	0.04628	0.12862	7.03E-03	2.04E-02	6.63E-03	6.79E-03	6.40E-03	1.86E-03	5.18E-03	7.04E-03	1.82E-03	5.05E-03	6.87E-03	1.79E-03	4.98E-03	6.78E-03
135 486633.18, 3856093.15	0.04604	0.12553	7.00E-03	1.99E-02	6.59E-03	6.75E-03	6.37E-03	1.85E-03	5.05E-03	6.90E-03	1.81E-03	4.93E-03	6.74E-03	1.78E-03	4.86E-03	6.65E-03
136 486683.18, 3856093.15	0.04604	0.12364	7.00E-03	1.96E-02	6.59E-03	6.75E-03	6.37E-03	1.85E-03	4.98E-03	6.83E-03	1.81E-03	4.86E-03	6.66E-03	1.78E-03	4.79E-03	6.57E-03
137 486733.18, 3856093.15	0.04558	0.12106	6.93E-03	1.92E-02	6.53E-03	6.68E-03	6.30E-03	1.83E-03	4.87E-03	6.71E-03	1.79E-03	4.75E-03	6.54E-03	1.77E-03	4.69E-03	6.46E-03
138 486783.18, 3856093.15	0.04555	0.11853	6.92E-03	1.88E-02	6.52E-03	6.68E-03	6.30E-03	1.83E-03	4.77E-03	6.60E-03	1.79E-03	4.65E-03	6.44E-03	1.76E-03	4.59E-03	6.36E-03
139 486533.18, 3856143.15	0.04782	0.1398	7.27E-03	2.21E-02	6.85E-03	7.01E-03	6.61E-03	1.92E-03	5.63E-03	7.55E-03	1.88E-03	5.49E-03	7.37E-03	1.85E-03	5.42E-03	7.27E-03
140 486583.18, 3856143.15	0.04727	0.13543	7.18E-03	2.14E-02	6.77E-03	6.93E-03	6.54E-03	1.90E-03	5.45E-03	7.35E-03	1.86E-03	5.32E-03	7.17E-03	1.83E-03	5.25E-03	7.08E-03
141 486633.18, 3856143.15	0.04737	0.13324	7.20E-03	2.11E-02	6.78E-03	6.95E-03	6.55E-03	1.91E-03	5.36E-03	7.27E-03	1.86E-03	5.23E-03	7.09E-03	1.84E-03	5.16E-03	7.00E-03
142 486683.18, 3856143.15	0.0472	0.13085	7.17E-03	2.07E-02	6.76E-03	6.92E-03	6.53E-03	1.90E-03	5.27E-03	7.17E-03	1.85E-03	5.14E-03	6.99E-03	1.83E-03	5.07E-03	6.90E-03
143 486733.18, 3856143.15	0.04702	0.1286	7.14E-03	2.04E-02	6.73E-03	6.89E-03	6.50E-03	1.89E-03	5.18E-03	7.07E-03	1.85E-03	5.05E-03	6.90E-03	1.82E-03	4.98E-03	6.81E-03
144 486783.18, 3856143.15	0.04691	0.12832	7.13E-03	2.03E-02	6.72E-03	6.88E-03	6.49E-03	1.89E-03	5.16E-03	7.05E-03	1.84E-03	5.04E-03	6.88E-03	1.82E-03	4.97E-03	6.79E-03
145 486533.18, 3856193.15	0.04967	0.15198	7.55E-03	2.41E-02	7.11E-03	7.28E-03	6.87E-03	2.00E-03	6.12E-03	8.12E-03	1.95E-03	5.97E-03	7.92E-03	1.92E-03	5.89E-03	7.81E-03
146 486583.18, 3856193.15	0.04877	0.14609	7.41E-03	2.31E-02	6.98E-03	7.15E-03	6.75E-03	1.96E-03	5.88E-03	7.84E-03	1.92E-03	5.74E-03	7.65E-03	1.89E-03	5.66E-03	7.55E-03
147 486633.18, 3856193.15	0.0484	0.14329	7.35E-03	2.27E-02	6.93E-03	7.10E-03	6.69E-03	1.95E-03	5.77E-03	7.71E-03	1.90E-03	5.63E-03	7.53E-03	1.88E-03	5.55E-03	7.43E-03
148 486683.18, 3856193.15	0.04838	0.14179	7.35E-03	2.24E-02	6.93E-03	7.09E-03	6.69E-03	1.95E-03	5.71E-03	7.65E-03	1.90E-03	5.57E-03	7.47E-03	1.87E-03	5.49E-03	7.37E-03
149 486733.18, 3856193.15	0.04828	0.13782	7.34E-03	2.18E-02	6.91E-03	7.08E-03	6.68E-03	1.94E-03	5.55E-03	7.49E-03	1.90E-03	5.41E-03	7.31E-03	1.87E-03	5.34E-03	7.21E-03
150 486783.18, 3856193.15	0.04864	0.13548	7.39E-03	2.15E-02	6.96E-03	7.13E-03	6.73E-03	1.96E-03	5.45E-03	7.41E-03	1.91E-03	5.32E-03	7.23E-03	1.88E-03	5.25E-03	7.13E-03
151 486533.18, 3856243.15	0.05106	0.17039	7.76E-03	2.70E-02	7.31E-03	7.49E-03	7.06E-03	2.05E-03	6.86E-03	8.91E-03	2.01E-03	6.69E-03	8.70E-03	1.98E-03	6.60E-03	8.58E-03
152 486583.18, 3856243.15	0.05075	0.16342	7.71E-03	2.59E-02	7.27E-03	7.44E-03	7.02E-03	2.04E-03	6.58E-03	8.62E-03	1.99E-03	6.42E-03	8.41E-03	1.97E-03	6.33E-03	8.30E-03
153 486633.18, 3856243.15	0.05013	0.15728	7.62E-03	2.49E-02	7.18E-03	7.35E-03	6.93E-03	2.02E-03	6.33E-03	8.35E-03	1.97E-03	6.18E-03	8.14E-03	1.94E-03	6.09E-03	8.04E-03
154 486683.18, 3856243.15	0.04944	0.15217	7.51E-03	2.41E-02	7.08E-03	7.25E-03	6.84E-03	1.99E-03	6.12E-03	8.11E-03	1.94E-03	5.98E-03	7.92E-03	1.92E-03	5.90E-03	7.81E-03
155 486733.18, 3856243.15	0.04935	0.14771	7.50E-03	2.34E-02	7.06E-03	7.24E-03	6.83E-03	1.99E-03	5.94E-03	7.93E-03	1.94E-03	5.80E-03	7.74E-03	1.91E-03	5.72E-03	7.64E-03
156 486783.18, 3856243.15	0.04947	0.14326	7.52E-03	2.27E-02	7.08E-03	7.25E-03	6.84E-03	1.99E-03	5.77E-03	7.76E-03	1.94E-03	5.63E-03	7.57E-03	1.92E-03	5.55E-03	7.47E-03
157 486533.18, 3856293.15	0.05249	0.18736	7.98E-03	2.97E-02	7.51E-03	7.70E-03	7.26E-03	2.11E-03	7.54E-03	9.65E-03	2.06E-03	7.36E-03	9.42E-03	2.03E-03	7.26E-03	9.29E-03
158 486583.18, 3856293.15	0.05201	0.17827	7.90E-03	2.82E-02	7.45E-03	7.63E-03	7.19E-03	2.09E-03	7.17E-03	9.27E-03	2.04E-03	7.00E-03	9.04E-03	2.02E-03	6.91E-03	8.92E-03
159 486633.18, 3856293.15	0.05177	0.17068	7.87E-03	2.70E-02	7.41E-03	7.59E-03	7.16E-03	2.08E-03	6.87E-03	8.95E-03	2.03E-03	6.70E-03	8.74E-03	2.01E-03	6.61E-03	8.62E-03
160 486683.18, 3856293.15	0.05132	0.16329	7.80E-03	2.59E-02	7.35E-03	7.52E-03	7.10E-03	2.07E-03	6.57E-03	8.64E-03	2.02E-03	6.41E-03	8.43E-03	1.99E-03	6.33E-03	8.32E-03
161 486733.18, 3856293.15	0.05107	0.1579	7.76E-03	2.50E-02	7.31E-03	7.49E-03	7.06E-03	2.06E-03	6.35E-03	8.41E-03	2.01E-03	6.20E-03	8.21E-03	1.98E-03	6.12E-03	8.10E-03
162 486783.18, 3856293.15	0.05085	0.1526	7.73E-03	2.42E-02	7.28E-03	7.46E-03	7.03E-03	2.05E-03	6.14E-03	8.19E-03	2.00E-03	5.99E-03	7.99E-03	1.97E-03	5.91E-03	7.88E-03
163 486783.18, 3856343.15	0.05291	0.16266	8.04E-03	2.58E-02	7.57E-03	7.76E-03	7.32E-03	2.13E-03	6.55E-03	8.68E-03	2.08E-03	6.39E-03	8.47E-03	2.05E-03	6.30E-03	8.35E-03
164 486833.18, 3856343.15	0.05293	0.15663	8.04E-03	2.48E-02	7.58E-03	7.76E-03	7.32E-03	2.13E-03	6.30E-03	8.43E-03	2.08E-03	6.15E-03	8.23E-03	2.05E-03	6.07E-03	8.12E-03
165 486883.18, 3856343.15	0.05297	0.15083	8.05E-03	2.39E-02	7.58E-03	7.77E-03	7.33E-03	2.13E-03	6.07E-03	8.20E-03	2.08E-03	5.92E-03	8.00E-03	2.05E-03	5.84E-03	7.90E-03
166 486783.18, 3856393.15	0.05429	0.17288	8.25E-03	2.74E-02	7.77E-03	7.96E-03	7.51E-03	2.18E-03	6.96E-03	9.14E-03	2.13E-03	6.79E-03	8.92E-03	2.10E-03	6.70E-03	8.80E-03
167 486833.18, 3856393.15	0.05422	0.16509	8.24E-03	2.61E-02	7.76E-03	7.95E-03	7.50E-03	2.18E-03	6.64E-03	8.83E-03	2.13E-03	6.48E-03	8.61E-03	2.10E-03	6.40E-03	8.50E-03
168 486883.18, 3856393.15	0.05392	0.15786	8.19E-03	2.50E-02	7.72E-03	7.91E-03	7.46E-03	2.17E-03	6.35E-03	8.52E-03	2.12E-03	6.20E-03	8.32E-03	2.09E-03	6.12E-03	8.21E-03
169 487208.74, 3856886.11	0.07149	0.18878	1.09E-02	2.99E-02	1.02E-02	1.05E-02	9.89E-03	2.88E-03	7.60E-03	1.05E-02	2.81E-03	7.41E-03	1.02E-02	2.77E-03	7.31E-03	1.01E-02
170 487258.74, 3856886.11	0.07115	0.17872	1.08E-02	2.83E-02	1.02E-02	1.04E-02	9.84E-03	2.86E-03	7.19E-03	1.01E-02	2.79E-03	7.02E-03	9.81E-03	2.76E-03	6.93E-03	9.68E-03
171 487308.74, 3856886.11	0.07098	0.16984	1.08E-02	2.69E-02	1.02E-02	1.04E-02	9.82E-03	2.86E-03	6.83E-03	9.69E-03	2.79E-03	6.67E-03	9.46E-03	2.75E-03	6.58E-03	9.33E-03
172 487358.74, 3856886.11	0.07053	0.16224	1.07E-02	2.57E-02	1.01E-02	1.03E-02	9.75E-03	2.84E-03	6.53E-03	9.37E-03	2.77E-03	6.37E-03	9.14E-03	2.73E-03	6.29E-03	9.02E-03
173 487208.74, 3856936.11	0.07376	0.20182	1.12E-02	3.20E-02	1.06E-02	1.08E-02	1.02E-02	2.97E-03	8.12E-03	1.11E-02	2.90E-03	7.93E-03	1.08E-02	2.86E-03	7.82E-03	1.07E-02
174 487258.74, 3856936.11	0.07348	0.1898	1.12E-02	3.01E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	7.64E-03	1.06E-02	2.89E-03	7.45E-03	1.03E-02	2.85E-03	7.35E-03	1.02E-02
175 487308.74, 3856936.11	0.07353	0.17928	1.12E-02	2.84E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	7.21E-03	1.02E-02	2.89E-03	7.04E-03	9.93E-03	2.85E-03	6.95E-03	9.80E-03
176 487358.74, 3856936.11	0.07324	0.1703	1.11E-02	2.70E-02	1.05E-02	1.07E-02	1.01E-02	2.95E-03	6.85E-03	9.80E-03	2.88E-03	6.69E-03	9.56E-03	2.84E-03	6.60E-03	9.44E-03
177 487208.74, 3856986.11	0.0763	0.21852	1.16E-02	3.46E-02	1.09E-02	1.12E-02	1.06E-02	3.07E-03	8.79E-03	1.19E-02	3.00E-03	8.58E-03	1.16E-02	2.96E-03	8.47E-03	1.14E-02
178 487258.74, 3856986.11	0.07662	0.20265	1.16E-02	3.21E-02	1.10E-02	1.12E-02	1.06E-02	3.08E-03	8.16E-03	1.12E-02	3.01E-03	7.96E-03	1.10E-02	2.97E-03	7.85E-03	1.08E-02
179 487308.74, 3856986.11	0.07602	0.19074	1.16E-02	3.02E-02	1.09E-02	1.11E-02	1.05E-02	3.06E-03	7.68E-03	1.07E-02	2.99E-03	7.49E-03	1.05E-02	2.95E-03	7.39E-03	1.03E-02
180 487358.74, 3856986.11	0.076	0.17987	1.15E-02	2.85E-02	1.09E-02	1.11E-02	1.05E-02	3.06E-03	7.24E-03	1.03E-02	2.98E-03	7.06E-03	1.00E-02	2.94E-03	6.97E-03	9.91E-03
181 487208.74, 3857036.11	0.07939	0.23929	1.21E-02	3.79E-02	1.14E-02	1.16E-02	1.10E-02	3.19E-03	9.63E-03	1.28E-02	3.12E-03	9.40E-03	1.25E-02	3.08E-03	9.27E-03	1.23E-02
182 487258.74, 3857036.11	0.07883	0.22015	1.20E-02	3.49E-02	1.13E-02	1.16E-02	1.09E-02	3.17E-03	8.86E-03	1.20E-02	3.10E-03	8.65E-03	1.17E-02	3.05E-03	8.53E-03	1.16E-02
183 487308.74, 3857036.11	0.0789	0.20378	1.20E-02	3.23E-02	1.13E-02	1.16E-02	1.09E-02	3.18E-03	8.20E-03	1.14E-02	3.10E-03	8.00E-03	1.11E-02	3.06E-03	7.90E-03	1.10E-02
184 487358.74, 3857036.11	0.07861	0.19108	1.19E-02	3.03E-02	1.13E-02	1.15E-02	1.09E-02	3.16E-03	7.69E-03	1.09E-02	3.09E-03	7.50E-03	1.06E-02	3.05E-03	7.40E-03	1.05E-02
185 487427.14, 3856878.23	0.06989	0.15153	1.06E-02	2.40E-02	1.00E-02	1.02E-02	9.67E-03	2.81E-03	6.10E-03	8.91E-03	2.74E-03	5.95E-03	8.70E-03	2.71E-03	5.87E-03	8.58E-03
186 487477.14, 3856878.23	0.06937	0.14556	1.05E-02	2.30E-02	9.93E-03	1.02E-02	9.59E-03	2.79E-03	5.86E-03	8.65E-03	2.72E-03	5.72E-03	8.44E-03	2.69E-03	5.64E-03	8.33E-03
187 487527.14, 3856878.23	0.06889	0.14027	1.05E-02	2.22E-02	9.86E-03	1.01E-02	9.53E-03	2.77E-03	5.64E-03	8.42E-03	2.71E-03	5.51E-03	8.21E-03	2.67E-03	5.44E-03	8.10E-03
188 487427.14, 3856928.23	0.0724	0.15823	1.10E-02	2.51E-02	1.04E-02	1.06E-02	1.00E-02	2.91E-03	6.37E-03	9.28E-03	2.84E-03	6.21E-03	9.06E-03	2.81E-03	6.13E-03	8.94E-03
189 487477.14, 3856928.23	0.07159	0.15178	1.09E-02	2.40E-02	1.02E-02	1.05E-02	9.90E-03	2.88E-03	6.11E-03	8.99E-03	2.81E-03	5.96E-03	8.77E-03	2.77E-03	5.88E-03	8.66E-03
190 487527.14, 3856928.23	0.07107	0.14576	1.08E-02	2.31E-02	1.02E-02	1.04E-02	9.83E-03	2.86E-03	5.87E-03	8.73E-03	2.79E-03	5.72E-03	8.51E-03	2.75E-03	5.65E-03	8.40E-03
191 487577.14, 3856928.23	0.07086	0.1404	1.08E-02	2.22E-02	1.01E-02	1.04E-02	9.80E-03	2.85E-03	5.65E-03	8.50E-03	2.78E-03	5.51E-03	8.30E-03	2.75E-03	5.44E-03	8.19E-03
192 487627.14, 3856928.23	0.06957	0.1357	1.06E-02	2.15E-02	9.96E-03	1.02E-02	9.62E-03	2.80E-03	5.46E-03	8.26E-03	2.73E-03	5.33E-03	8.06E-03	2.70E-03	5.26E-03	7.95E-03
193 487677.14, 3856928.23	0.0692	0.13103	1.05E-02	2.07E-02	9.91E-03	1.01E-02	9.57E-03	2.78E-03	5.27E-03	8.06E-03	2.72E-03	5.15E-03	7.86E-03	2.68E-03	5.08E-03	7.76E-03
194 487727.14, 3856928.23	0.06913	0.12662	1.05E-02	2.00E-02	9.90E-03	1.01E-02	9.56E-03	2.78E-03	5.10E-03	7.88E-03	2.71E-03	4.97E-03	7.69E-03	2.68E-03	4.91E-03	7.59E-03

195 487777.14, 3856928.23	0.06865	0.12282	1.04E-02	1.94E-02	9.83E-03	1.01E-02	9.49E-03	2.76E-03	4.94E-03	7.71E-03	2.70E-03	4.82E-03	7.52E-03	2.66E-03	4.76E-03	7.42E-03
196 487427.14, 3856978.23	0.07471	0.16639	1.14E-02	2.63E-02	1.07E-02	1.10E-02	1.03E-02	3.01E-03	6.70E-03	9.70E-03	2.93E-03	6.53E-03	9.47E-03	2.89E-03	6.45E-03	9.34E-03
197 487477.14, 3856978.23	0.07419	0.15869	1.13E-02	2.51E-02	1.06E-02	1.09E-02	1.03E-02	2.99E-03	6.39E-03	9.37E-03	2.91E-03	6.23E-03	9.15E-03	2.87E-03	6.15E-03	9.02E-03
198 487527.14, 3856978.23	0.07365	0.15187	1.12E-02	2.40E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	6.11E-03	9.08E-03	2.89E-03	5.96E-03	8.86E-03	2.85E-03	5.88E-03	8.74E-03
199 487577.14, 3856978.23	0.07321	0.14586	1.11E-02	2.31E-02	1.05E-02	1.07E-02	1.01E-02	2.95E-03	5.87E-03	8.82E-03	2.87E-03	5.73E-03	8.60E-03	2.84E-03	5.65E-03	8.49E-03
200 487627.14, 3856978.23	0.07222	0.14066	1.10E-02	2.23E-02	1.03E-02	1.06E-02	9.99E-03	2.91E-03	5.66E-03	8.57E-03	2.84E-03	5.52E-03	8.36E-03	2.80E-03	5.45E-03	8.25E-03
201 487677.14, 3856978.23	0.0717	0.13553	1.09E-02	2.15E-02	1.03E-02	1.05E-02	9.92E-03	2.89E-03	5.45E-03	8.34E-03	2.82E-03	5.32E-03	8.14E-03	2.78E-03	5.25E-03	8.03E-03
202 487727.14, 3856978.23	0.07001	0.13149	1.06E-02	2.08E-02	1.00E-02	1.03E-02	9.68E-03	2.82E-03	5.29E-03	8.11E-03	2.75E-03	5.16E-03	7.91E-03	2.71E-03	5.10E-03	7.81E-03
203 487777.14, 3856978.23	0.07076	0.12641	1.08E-02	2.00E-02	1.01E-02	1.04E-02	9.79E-03	2.85E-03	5.09E-03	7.93E-03	2.78E-03	4.96E-03	7.74E-03	2.74E-03	4.90E-03	7.64E-03
204 487427.14, 3857028.23	0.07756	0.17524	1.18E-02	2.77E-02	1.11E-02	1.14E-02	1.07E-02	3.12E-03	7.05E-03	1.02E-02	3.05E-03	6.88E-03	9.93E-03	3.01E-03	6.79E-03	9.80E-03
205 487477.14, 3857028.23	0.07685	0.16658	1.17E-02	2.64E-02	1.10E-02	1.13E-02	1.06E-02	3.09E-03	6.70E-03	9.80E-03	3.02E-03	6.54E-03	9.56E-03	2.98E-03	6.45E-03	9.43E-03
206 487527.14, 3857028.23	0.07615	0.15904	1.16E-02	2.52E-02	1.09E-02	1.12E-02	1.05E-02	3.06E-03	6.40E-03	9.46E-03	2.99E-03	6.25E-03	9.24E-03	2.95E-03	6.16E-03	9.11E-03
207 487577.14, 3857028.23	0.07558	0.15216	1.15E-02	2.41E-02	1.08E-02	1.11E-02	1.05E-02	3.04E-03	6.12E-03	9.16E-03	2.97E-03	5.98E-03	8.94E-03	2.93E-03	5.90E-03	8.82E-03
208 487627.14, 3857028.23	0.07452	0.14637	1.13E-02	2.32E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	5.89E-03	8.89E-03	2.93E-03	5.75E-03	8.67E-03	2.89E-03	5.67E-03	8.56E-03
209 487677.14, 3857028.23	0.07394	0.14073	1.12E-02	2.23E-02	1.06E-02	1.08E-02	1.02E-02	2.98E-03	5.66E-03	8.64E-03	2.90E-03	5.53E-03	8.43E-03	2.87E-03	5.45E-03	8.32E-03
210 487727.14, 3857028.23	0.07346	0.13535	1.12E-02	2.14E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	5.45E-03	8.40E-03	2.88E-03	5.32E-03	8.20E-03	2.85E-03	5.24E-03	8.09E-03
211 487777.14, 3857028.23	0.07272	0.1305	1.10E-02	2.07E-02	1.04E-02	1.07E-02	1.01E-02	2.93E-03	5.25E-03	8.18E-03	2.86E-03	5.12E-03	7.98E-03	2.82E-03	5.06E-03	7.87E-03
212 487427.14, 3857078.23	0.07986	0.18567	1.21E-02	2.94E-02	1.14E-02	1.17E-02	1.10E-02	3.21E-03	7.47E-03	1.07E-02	3.14E-03	7.29E-03	1.04E-02	3.09E-03	7.19E-03	1.03E-02
213 487477.14, 3857078.23	0.07927	0.17585	1.20E-02	2.78E-02	1.13E-02	1.16E-02	1.10E-02	3.19E-03	7.08E-03	1.03E-02	3.11E-03	6.91E-03	1.00E-02	3.07E-03	6.81E-03	9.89E-03
214 487527.14, 3857078.23	0.07879	0.16704	1.20E-02	2.64E-02	1.13E-02	1.16E-02	1.09E-02	3.17E-03	6.72E-03	9.89E-03	3.09E-03	6.56E-03	9.65E-03	3.05E-03	6.47E-03	9.53E-03
215 487577.14, 3857078.23	0.07804	0.15937	1.19E-02	2.52E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	6.41E-03	9.55E-03	3.06E-03	6.26E-03	9.32E-03	3.02E-03	6.18E-03	9.20E-03
216 487627.14, 3857078.23	0.07734	0.15268	1.18E-02	2.42E-02	1.11E-02	1.13E-02	1.07E-02	3.11E-03	6.14E-03	9.26E-03	3.04E-03	6.00E-03	9.03E-03	3.00E-03	5.92E-03	8.91E-03
217 487677.14, 3857078.23	0.07683	0.14643	1.17E-02	2.32E-02	1.10E-02	1.13E-02	1.06E-02	3.09E-03	5.89E-03	8.98E-03	3.02E-03	5.75E-03	8.77E-03	2.98E-03	5.67E-03	8.65E-03
218 487727.14, 3857078.23	0.07571	0.14061	1.15E-02	2.23E-02	1.08E-02	1.11E-02	1.05E-02	3.05E-03	5.66E-03	8.71E-03	2.97E-03	5.52E-03	8.49E-03	2.93E-03	5.45E-03	8.38E-03
219 487777.14, 3857078.23	0.0747	0.13546	1.14E-02	2.14E-02	1.07E-02	1.10E-02	1.03E-02	3.01E-03	5.45E-03	8.46E-03	2.93E-03	5.32E-03	8.25E-03	2.89E-03	5.25E-03	8.14E-03
220 487427.14, 3857128.23	0.08225	0.1979	1.25E-02	3.13E-02	1.18E-02	1.21E-02	1.14E-02	3.31E-03	7.96E-03	1.13E-02	3.23E-03	7.77E-03	1.10E-02	3.19E-03	7.67E-03	1.09E-02
221 487477.14, 3857128.23	0.08164	0.18654	1.24E-02	2.95E-02	1.17E-02	1.20E-02	1.13E-02	3.29E-03	7.51E-03	1.08E-02	3.21E-03	7.33E-03	1.05E-02	3.16E-03	7.23E-03	1.04E-02
222 487527.14, 3857128.23	0.08081	0.17663	1.23E-02	2.80E-02	1.16E-02	1.18E-02	1.12E-02	3.25E-03	7.11E-03	1.04E-02	3.17E-03	6.94E-03	1.01E-02	3.13E-03	6.84E-03	9.98E-03
223 487577.14, 3857128.23	0.08018	0.16775	1.22E-02	2.66E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	6.75E-03	9.98E-03	3.15E-03	6.59E-03	9.74E-03	3.11E-03	6.50E-03	9.61E-03
224 487627.14, 3857128.23	0.08008	0.15986	1.22E-02	2.53E-02	1.15E-02	1.17E-02	1.11E-02	3.22E-03	6.43E-03	9.66E-03	3.14E-03	6.28E-03	9.42E-03	3.10E-03	6.19E-03	9.30E-03
225 487677.14, 3857128.23	0.07924	0.15306	1.20E-02	2.42E-02	1.13E-02	1.16E-02	1.10E-02	3.19E-03	6.16E-03	9.35E-03	3.11E-03	6.01E-03	9.12E-03	3.07E-03	5.93E-03	9.00E-03
226 487727.14, 3857128.23	0.07826	0.14631	1.19E-02	2.32E-02	1.12E-02	1.15E-02	1.08E-02	3.15E-03	5.89E-03	9.04E-03	3.07E-03	5.75E-03	8.82E-03	3.03E-03	5.67E-03	8.70E-03
227 487777.14, 3857128.23	0.07687	0.14092	1.17E-02	2.23E-02	1.10E-02	1.13E-02	1.06E-02	3.09E-03	5.67E-03	8.76E-03	3.02E-03	5.53E-03	8.55E-03	2.98E-03	5.46E-03	8.44E-03
228 488049.44, 3856539.39	0.05709	0.09123	8.67E-03	1.44E-02	8.17E-03	8.37E-03	7.90E-03	2.30E-03	3.67E-03	5.97E-03	2.24E-03	3.58E-03	5.82E-03	2.21E-03	3.54E-03	5.75E-03
229 488099.44, 3856539.39	0.05651	0.08984	8.59E-03	1.42E-02	8.09E-03	8.29E-03	7.82E-03	2.27E-03	3.62E-03	5.89E-03	2.22E-03	3.53E-03	5.75E-03	2.19E-03	3.48E-03	5.67E-03
230 488149.44, 3856539.39	0.05647	0.08851	8.58E-03	1.40E-02	8.08E-03	8.28E-03	7.81E-03	2.27E-03	3.56E-03	5.83E-03	2.22E-03	3.48E-03	5.69E-03	2.19E-03	3.43E-03	5.62E-03
231 488049.44, 3856589.39	0.05866	0.09308	8.91E-03	1.47E-02	8.40E-03	8.60E-03	8.11E-03	2.36E-03	3.75E-03	6.11E-03	2.30E-03	3.66E-03	5.96E-03	2.27E-03	3.61E-03	5.88E-03
232 488099.44, 3856589.39	0.05823	0.09159	8.85E-03	1.45E-02	8.34E-03	8.54E-03	8.05E-03	2.34E-03	3.69E-03	6.03E-03	2.29E-03	3.60E-03	5.88E-03	2.26E-03	3.55E-03	5.81E-03
233 488149.44, 3856589.39	0.05791	0.08996	8.80E-03	1.42E-02	8.29E-03	8.49E-03	8.01E-03	2.33E-03	3.62E-03	5.95E-03	2.27E-03	3.53E-03	5.81E-03	2.24E-03	3.49E-03	5.73E-03
234 488199.44, 3856589.39	0.05759	0.08859	8.75E-03	1.40E-02	8.24E-03	8.44E-03	7.97E-03	2.32E-03	3.57E-03	5.88E-03	2.26E-03	3.48E-03	5.74E-03	2.23E-03	3.43E-03	5.66E-03
235 488249.44, 3856589.39	0.05798	0.08688	8.81E-03	1.38E-02	8.30E-03	8.50E-03	8.02E-03	2.33E-03	3.50E-03	5.83E-03	2.28E-03	3.41E-03	5.69E-03	2.25E-03	3.37E-03	5.61E-03
236 488049.44, 3856639.39	0.06006	0.09424	9.13E-03	1.49E-02	8.60E-03	8.81E-03	8.31E-03	2.42E-03	3.79E-03	6.21E-03	2.36E-03	3.70E-03	6.06E-03	2.33E-03	3.65E-03	5.98E-03
237 488099.44, 3856639.39	0.05963	0.09279	9.06E-03	1.47E-02	8.54E-03	8.74E-03	8.25E-03	2.40E-03	3.73E-03	6.13E-03	2.34E-03	3.64E-03	5.99E-03	2.31E-03	3.60E-03	5.91E-03
238 488149.44, 3856639.39	0.05925	0.09142	9.00E-03	1.45E-02	8.48E-03	8.69E-03	8.19E-03	2.38E-03	3.68E-03	6.06E-03	2.33E-03	3.59E-03	5.92E-03	2.30E-03	3.54E-03	5.84E-03
239 488199.44, 3856639.39	0.05927	0.08994	9.01E-03	1.42E-02	8.49E-03	8.69E-03	8.20E-03	2.39E-03	3.62E-03	6.00E-03	2.33E-03	3.53E-03	5.86E-03	2.30E-03	3.49E-03	5.78E-03
240 488249.44, 3856639.39	0.05919	0.08838	8.99E-03	1.40E-02	8.47E-03	8.68E-03	8.19E-03	2.38E-03	3.56E-03	5.94E-03	2.32E-03	3.47E-03	5.80E-03	2.29E-03	3.42E-03	5.72E-03
241 488299.44, 3856639.39	0.05899	0.08698	8.96E-03	1.38E-02	8.44E-03	8.65E-03	8.16E-03	2.37E-03	3.50E-03	5.87E-03	2.32E-03	3.42E-03	5.73E-03	2.29E-03	3.37E-03	5.66E-03
242 488349.44, 3856639.39	0.05857	0.08558	8.90E-03	1.36E-02	8.38E-03	8.59E-03	8.10E-03	2.36E-03	3.44E-03	5.80E-03	2.30E-03	3.36E-03	5.66E-03	2.27E-03	3.32E-03	5.59E-03
243 488399.44, 3856639.39	0.05876	0.08404	8.93E-03	1.33E-02	8.41E-03	8.62E-03	8.13E-03	2.36E-03	3.38E-03	5.75E-03	2.31E-03	3.30E-03	5.61E-03	2.28E-03	3.26E-03	5.53E-03
244 488099.44, 3856689.39	0.06091	0.09393	9.26E-03	1.49E-02	8.72E-03	8.93E-03	8.42E-03	2.45E-03	3.78E-03	6.23E-03	2.39E-03	3.69E-03	6.08E-03	2.36E-03	3.64E-03	6.00E-03
245 488149.44, 3856689.39	0.06082	0.09246	9.24E-03	1.46E-02	8.71E-03	8.92E-03	8.41E-03	2.45E-03	3.72E-03	6.17E-03	2.39E-03	3.63E-03	6.02E-03	2.36E-03	3.58E-03	5.94E-03
246 488199.44, 3856689.39	0.06079	0.09101	9.24E-03	1.44E-02	8.70E-03	8.91E-03	8.41E-03	2.45E-03	3.66E-03	6.11E-03	2.39E-03	3.57E-03	5.96E-03	2.36E-03	3.53E-03	5.88E-03
247 488249.44, 3856689.39	0.06034	0.08972	9.17E-03	1.42E-02	8.64E-03	8.85E-03	8.35E-03	2.43E-03	3.61E-03	6.04E-03	2.37E-03	3.52E-03	5.89E-03	2.34E-03	3.48E-03	5.81E-03
248 488299.44, 3856689.39	0.06054	0.08831	9.20E-03	1.40E-02	8.67E-03	8.88E-03	8.37E-03	2.44E-03	3.55E-03	5.99E-03	2.38E-03	3.47E-03	5.85E-03	2.35E-03	3.42E-03	5.77E-03
249 488349.44, 3856689.39	0.06018	0.08683	9.14E-03	1.37E-02	8.62E-03	8.82E-03	8.32E-03	2.42E-03	3.49E-03	5.92E-03	2.36E-03	3.41E-03	5.77E-03	2.33E-03	3.36E-03	5.70E-03
250 488399.44, 3856689.39	0.05935	0.08548	9.02E-03	1.35E-02	8.50E-03	8.70E-03	8.21E-03	2.39E-03	3.44E-03	5.83E-03	2.33E-03	3.36E-03	5.69E-03	2.30E-03	3.31E-03	5.61E-03
251 488099.44, 3856739.39	0.06243	0.09537	9.49E-03	1.51E-02	8.94E-03	9.15E-03	8.63E-03	2.51E-03	3.84E-03	6.35E-03	2.45E-03	3.75E-03	6.20E-03	2.42E-03	3.70E-03	6.11E-03
252 488149.44, 3856739.39	0.06171	0.09374	9.38E-03	1.48E-02	8.83E-03	9.05E-03	8.53E-03	2.48E-03	3.77E-03	6.26E-03	2.42E-03	3.68E-03	6.10E-03	2.39E-03	3.63E-03	6.02E-03
253 488199.44, 3856739.39	0.0619	0.09211	9.41E-03	1.46E-02	8.86E-03	9.08E-03	8.56E-03	2.49E-03	3.71E-03	6.20E-03	2.43E-03	3.62E-03	6.05E-03	2.40E-03	3.57E-03	5.97E-03
254 488249.44, 3856739.39	0.06173	0.09075	9.38E-03	1.44E-02	8.84E-03	9.05E-03	8.54E-03	2.48E-03	3.65E-03	6.14E-03	2.42E-03	3.56E-03	5.99E-03	2.39E-03	3.52E-03	5.91E-03
255 488299.44, 3856739.39	0.06116	0.08954	9.29E-03	1.42E-02	8.76E-03	8.97E-03	8.46E-03	2.46E-03	3.60E-03	6.06E-03	2.40E-03	3.52E-03	5.92E-03	2.37E-03	3.47E-03	5.84E-03
256 488349.44, 3856739.39	0.06165	0.08811	9.37E-03	1.40E-02	8.83E-03	9.04E-03	8.53E-03	2.48E-03	3.55E-03	6.03E-03	2.42E-03	3.46E-03	5.88E-03	2.39E-03	3.41E-03	5.80E-03
257 488399.44, 3856739.39	0.06184	0.08669	9.40E-03	1.37E-02	8.85E-03	9.07E-03	8.55E-03	2.49E-03	3.49E-03	5.98E-03	2.43E-03	3.40E-03	5.83E-03	2.40E-03	3.36E-03	5.76E-03
258 487999.44, 3856789.39	0.06372	0.10164	9.68E-03	1.61E-02	9.12E-03	9.34E-03	8.81E-03	2.56E-03	4.09E-03	6.65E-03	2.50E-03	3.99E-03	6.49E-03	2.47E-03	3.94E-03	6.41E-03
259 488049.44, 3856789.39	0.06347	0.0994	9.64E-03	1.57E-02	9.09E-03	9.31E-03	8.78E-03	2.55E-03	4.00E-03	6.55E-03	2.49E-03	3.90E-03	6.40E-03	2.46E-03	3.85E-03	6.31E-03
260 488099.44, 3856789.39	0.06372	0.09708	9.68E-03	1.54E-02	9.12E-03	9.34E-03	8.81E-03	2.56E-03	3.91E-03	6.47E-03	2.50E-03	3.81E-03	6.31E-03	2.47E-03	3.76E-03	6.23E-03

261 488149.44, 3856789.39	0.06319	0.09514	9.60E-03	1.51E-02	9.05E-03	9.27E-03	8.74E-03	2.54E-03	3.83E-03	6.37E-03	2.48E-03	3.74E-03	6.22E-03	2.45E-03	3.69E-03	6.14E-03
262 488199.44, 3856789.39	0.06299	0.0935	9.57E-03	1.48E-02	9.02E-03	9.24E-03	8.71E-03	2.53E-03	3.76E-03	6.30E-03	2.47E-03	3.67E-03	6.15E-03	2.44E-03	3.62E-03	6.06E-03
263 488249.44, 3856789.39	0.0625	0.09187	9.50E-03	1.45E-02	8.95E-03	9.16E-03	8.64E-03	2.52E-03	3.70E-03	6.21E-03	2.45E-03	3.61E-03	6.06E-03	2.42E-03	3.56E-03	5.98E-03
264 488299.44, 3856789.39	0.06187	0.09054	9.40E-03	1.43E-02	8.86E-03	9.07E-03	8.56E-03	2.49E-03	3.64E-03	6.13E-03	2.43E-03	3.56E-03	5.99E-03	2.40E-03	3.51E-03	5.91E-03
265 488349.44, 3856789.39	0.06249	0.08896	9.50E-03	1.41E-02	8.95E-03	9.16E-03	8.64E-03	2.51E-03	3.58E-03	6.09E-03	2.45E-03	3.49E-03	5.95E-03	2.42E-03	3.45E-03	5.87E-03
266 488399.44, 3856789.39	0.06268	0.08758	9.52E-03	1.39E-02	8.97E-03	9.19E-03	8.67E-03	2.52E-03	3.52E-03	6.05E-03	2.46E-03	3.44E-03	5.90E-03	2.43E-03	3.39E-03	5.82E-03
267 487949.44, 3856839.39	0.06542	0.10656	9.94E-03	1.69E-02	9.37E-03	9.59E-03	9.05E-03	2.63E-03	4.29E-03	6.92E-03	2.57E-03	4.18E-03	6.75E-03	2.53E-03	4.13E-03	6.66E-03
268 487999.44, 3856839.39	0.06514	0.10401	9.90E-03	1.65E-02	9.33E-03	9.55E-03	9.01E-03	2.62E-03	4.19E-03	6.81E-03	2.56E-03	4.08E-03	6.64E-03	2.52E-03	4.03E-03	6.55E-03
269 488049.44, 3856839.39	0.06486	0.10159	9.86E-03	1.61E-02	9.29E-03	9.51E-03	8.97E-03	2.61E-03	4.09E-03	6.70E-03	2.55E-03	3.99E-03	6.54E-03	2.51E-03	3.94E-03	6.45E-03
270 488099.44, 3856839.39	0.06477	0.09922	9.84E-03	1.57E-02	9.27E-03	9.50E-03	8.96E-03	2.61E-03	3.99E-03	6.60E-03	2.54E-03	3.90E-03	6.44E-03	2.51E-03	3.84E-03	6.35E-03
271 488149.44, 3856839.39	0.06464	0.09696	9.82E-03	1.54E-02	9.25E-03	9.48E-03	8.94E-03	2.60E-03	3.90E-03	6.50E-03	2.54E-03	3.81E-03	6.35E-03	2.50E-03	3.76E-03	6.26E-03
272 488199.44, 3856839.39	0.06437	0.09495	9.78E-03	1.50E-02	9.22E-03	9.44E-03	8.90E-03	2.59E-03	3.82E-03	6.41E-03	2.53E-03	3.73E-03	6.26E-03	2.49E-03	3.68E-03	6.17E-03
273 487949.44, 3856889.39	0.06672	0.10935	1.01E-02	1.73E-02	9.55E-03	9.78E-03	9.23E-03	2.69E-03	4.40E-03	7.09E-03	2.62E-03	4.29E-03	6.91E-03	2.59E-03	4.24E-03	6.82E-03
274 487999.44, 3856889.39	0.06675	0.10643	1.01E-02	1.69E-02	9.56E-03	9.79E-03	9.23E-03	2.69E-03	4.28E-03	6.97E-03	2.62E-03	4.18E-03	6.80E-03	2.59E-03	4.12E-03	6.71E-03
275 488049.44, 3856889.39	0.06609	0.104	1.00E-02	1.65E-02	9.46E-03	9.69E-03	9.14E-03	2.66E-03	4.19E-03	6.84E-03	2.60E-03	4.08E-03	6.68E-03	2.56E-03	4.03E-03	6.59E-03
276 488099.44, 3856889.39	0.06621	0.10137	1.01E-02	1.61E-02	9.48E-03	9.71E-03	9.16E-03	2.66E-03	4.08E-03	6.74E-03	2.60E-03	3.98E-03	6.58E-03	2.57E-03	3.93E-03	6.49E-03
277 488635.86, 3857895.05	0.1131	0.13917	1.72E-02	2.20E-02	1.62E-02	1.66E-02	1.56E-02	4.55E-03	5.60E-03	1.02E-02	4.44E-03	5.47E-03	9.91E-03	4.38E-03	5.39E-03	9.78E-03
278 489137.64, 3857804.15	0.09201	0.09905	1.40E-02	1.57E-02	1.32E-02	1.35E-02	1.27E-02	3.70E-03	3.99E-03	7.69E-03	3.61E-03	3.89E-03	7.50E-03	3.57E-03	3.84E-03	7.40E-03
279 488617.32, 3857859.41	0.11063	0.13687	1.68E-02	2.17E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	5.51E-03	9.96E-03	4.34E-03	5.37E-03	9.72E-03	4.29E-03	5.30E-03	9.59E-03
280 488667.32, 3857859.41	0.10864	0.13228	1.65E-02	2.09E-02	1.56E-02	1.59E-02	1.50E-02	4.37E-03	5.32E-03	9.70E-03	4.27E-03	5.19E-03	9.46E-03	4.21E-03	5.13E-03	9.34E-03
281 488717.32, 3857859.41	0.10679	0.12806	1.62E-02	2.03E-02	1.53E-02	1.57E-02	1.48E-02	4.30E-03	5.15E-03	9.45E-03	4.19E-03	5.03E-03	9.22E-03	4.14E-03	4.96E-03	9.10E-03
282 488767.32, 3857859.41	0.10586	0.12441	1.61E-02	1.97E-02	1.52E-02	1.55E-02	1.46E-02	4.26E-03	5.01E-03	9.27E-03	4.16E-03	4.89E-03	9.04E-03	4.10E-03	4.82E-03	8.92E-03
283 488617.32, 3857909.41	0.1149	0.14276	1.75E-02	2.26E-02	1.64E-02	1.68E-02	1.59E-02	4.62E-03	5.75E-03	1.04E-02	4.51E-03	5.61E-03	1.01E-02	4.45E-03	5.53E-03	9.98E-03
284 488667.32, 3857909.41	0.11435	0.13805	1.74E-02	2.19E-02	1.64E-02	1.68E-02	1.58E-02	4.60E-03	5.56E-03	1.02E-02	4.49E-03	5.42E-03	9.91E-03	4.43E-03	5.35E-03	9.78E-03
285 488717.32, 3857909.41	0.11113	0.13294	1.69E-02	2.10E-02	1.59E-02	1.63E-02	1.54E-02	4.47E-03	5.35E-03	9.82E-03	4.36E-03	5.22E-03	9.58E-03	4.31E-03	5.15E-03	9.46E-03
286 488767.32, 3857909.41	0.10994	0.12909	1.67E-02	2.04E-02	1.57E-02	1.61E-02	1.52E-02	4.42E-03	5.19E-03	9.62E-03	4.32E-03	5.07E-03	9.39E-03	4.26E-03	5.00E-03	9.26E-03
287 488417.32, 3857959.41	0.1265	0.17635	1.92E-02	2.79E-02	1.81E-02	1.85E-02	1.75E-02	5.09E-03	7.10E-03	1.22E-02	4.97E-03	6.93E-03	1.19E-02	4.90E-03	6.83E-03	1.17E-02
288 488467.32, 3857959.41	0.12494	0.1688	1.90E-02	2.67E-02	1.79E-02	1.83E-02	1.73E-02	5.03E-03	6.79E-03	1.18E-02	4.91E-03	6.63E-03	1.15E-02	4.84E-03	6.54E-03	1.14E-02
289 488517.32, 3857959.41	0.12355	0.16185	1.88E-02	2.56E-02	1.77E-02	1.81E-02	1.71E-02	4.97E-03	6.51E-03	1.15E-02	4.85E-03	6.36E-03	1.12E-02	4.79E-03	6.27E-03	1.11E-02
290 488567.32, 3857959.41	0.12215	0.15556	1.86E-02	2.46E-02	1.75E-02	1.79E-02	1.69E-02	4.92E-03	6.26E-03	1.12E-02	4.80E-03	6.11E-03	1.09E-02	4.73E-03	6.03E-03	1.08E-02
291 488617.32, 3857959.41	0.12008	0.14971	1.82E-02	2.37E-02	1.72E-02	1.76E-02	1.66E-02	4.83E-03	6.02E-03	1.09E-02	4.72E-03	5.88E-03	1.06E-02	4.65E-03	5.80E-03	1.05E-02
292 488667.32, 3857959.41	0.11802	0.14418	1.79E-02	2.28E-02	1.69E-02	1.73E-02	1.63E-02	4.75E-03	5.80E-03	1.06E-02	4.63E-03	5.66E-03	1.03E-02	4.57E-03	5.59E-03	1.02E-02
293 488717.32, 3857959.41	0.11655	0.13936	1.77E-02	2.21E-02	1.67E-02	1.71E-02	1.61E-02	4.69E-03	5.61E-03	1.03E-02	4.58E-03	5.47E-03	1.00E-02	4.52E-03	5.40E-03	9.92E-03
294 488767.32, 3857959.41	0.11457	0.13459	1.74E-02	2.13E-02	1.64E-02	1.68E-02	1.58E-02	4.61E-03	5.42E-03	1.00E-02	4.50E-03	5.29E-03	9.78E-03	4.44E-03	5.22E-03	9.65E-03
295 488417.32, 3858009.41	0.13231	0.18784	2.01E-02	2.97E-02	1.89E-02	1.94E-02	1.83E-02	5.32E-03	7.56E-03	1.29E-02	5.20E-03	7.38E-03	1.26E-02	5.13E-03	7.28E-03	1.24E-02
296 488467.32, 3858009.41	0.13096	0.17839	1.99E-02	2.82E-02	1.87E-02	1.92E-02	1.81E-02	5.27E-03	7.18E-03	1.24E-02	5.14E-03	7.01E-03	1.21E-02	5.07E-03	6.91E-03	1.20E-02
297 488517.32, 3858009.41	0.12935	0.17087	1.97E-02	2.71E-02	1.85E-02	1.90E-02	1.79E-02	5.21E-03	6.88E-03	1.21E-02	5.08E-03	6.71E-03	1.18E-02	5.01E-03	6.62E-03	1.16E-02
298 488567.32, 3858009.41	0.12792	0.16427	1.94E-02	2.60E-02	1.83E-02	1.88E-02	1.77E-02	5.15E-03	6.61E-03	1.18E-02	5.02E-03	6.45E-03	1.15E-02	4.96E-03	6.37E-03	1.13E-02
299 488617.32, 3858009.41	0.12526	0.15754	1.90E-02	2.49E-02	1.79E-02	1.84E-02	1.73E-02	5.04E-03	6.34E-03	1.14E-02	4.92E-03	6.19E-03	1.11E-02	4.85E-03	6.10E-03	1.10E-02
300 488667.32, 3858009.41	0.12281	0.15093	1.87E-02	2.39E-02	1.76E-02	1.80E-02	1.70E-02	4.94E-03	6.07E-03	1.10E-02	4.82E-03	5.93E-03	1.07E-02	4.76E-03	5.85E-03	1.06E-02
301 488717.32, 3858009.41	0.1208	0.14498	1.84E-02	2.30E-02	1.73E-02	1.77E-02	1.67E-02	4.86E-03	5.83E-03	1.07E-02	4.74E-03	5.69E-03	1.04E-02	4.68E-03	5.62E-03	1.03E-02
302 488767.32, 3858009.41	0.11881	0.13965	1.81E-02	2.21E-02	1.70E-02	1.74E-02	1.64E-02	4.78E-03	5.62E-03	1.04E-02	4.67E-03	5.48E-03	1.01E-02	4.60E-03	5.41E-03	1.00E-02
303 488417.32, 3858059.41	0.14013	0.20252	2.13E-02	3.21E-02	2.01E-02	2.05E-02	1.94E-02	5.64E-03	8.15E-03	1.38E-02	5.50E-03	7.95E-03	1.35E-02	5.43E-03	7.85E-03	1.33E-02
304 488467.32, 3858059.41	0.13815	0.19057	2.10E-02	3.02E-02	1.98E-02	2.03E-02	1.91E-02	5.56E-03	7.67E-03	1.32E-02	5.43E-03	7.48E-03	1.29E-02	5.35E-03	7.38E-03	1.27E-02
305 488517.32, 3858059.41	0.13595	0.18157	2.07E-02	2.87E-02	1.95E-02	1.99E-02	1.88E-02	5.47E-03	7.31E-03	1.28E-02	5.34E-03	7.13E-03	1.25E-02	5.27E-03	7.04E-03	1.23E-02
306 488567.32, 3858059.41	0.13392	0.17369	2.03E-02	2.75E-02	1.92E-02	1.96E-02	1.85E-02	5.39E-03	6.99E-03	1.24E-02	5.26E-03	6.82E-03	1.21E-02	5.19E-03	6.73E-03	1.19E-02
307 488617.32, 3858059.41	0.1316	0.16599	2.00E-02	2.63E-02	1.88E-02	1.93E-02	1.82E-02	5.30E-03	6.68E-03	1.20E-02	5.17E-03	6.52E-03	1.17E-02	5.10E-03	6.43E-03	1.15E-02
308 488667.32, 3858059.41	0.12863	0.15855	1.95E-02	2.51E-02	1.84E-02	1.89E-02	1.78E-02	5.18E-03	6.38E-03	1.16E-02	5.05E-03	6.23E-03	1.13E-02	4.98E-03	6.14E-03	1.11E-02
309 488417.32, 3858109.41	0.14733	0.21336	2.24E-02	3.38E-02	2.11E-02	2.16E-02	2.04E-02	5.93E-03	8.59E-03	1.45E-02	5.79E-03	8.38E-03	1.42E-02	5.71E-03	8.27E-03	1.40E-02
310 488467.32, 3858109.41	0.1458	0.20294	2.22E-02	3.21E-02	2.09E-02	2.14E-02	2.02E-02	5.87E-03	8.17E-03	1.40E-02	5.73E-03	7.97E-03	1.37E-02	5.65E-03	7.86E-03	1.35E-02
311 488517.32, 3858109.41	0.14416	0.19209	2.19E-02	3.04E-02	2.06E-02	2.11E-02	1.99E-02	5.80E-03	7.73E-03	1.35E-02	5.66E-03	7.54E-03	1.32E-02	5.59E-03	7.44E-03	1.30E-02
312 488567.32, 3858109.41	0.14163	0.18331	2.15E-02	2.90E-02	2.03E-02	2.08E-02	1.96E-02	5.70E-03	7.38E-03	1.31E-02	5.56E-03	7.20E-03	1.28E-02	5.49E-03	7.10E-03	1.26E-02
313 488617.32, 3858109.41	0.1389	0.17467	2.11E-02	2.77E-02	1.99E-02	2.04E-02	1.92E-02	5.59E-03	7.03E-03	1.26E-02	5.45E-03	6.86E-03	1.23E-02	5.38E-03	6.77E-03	1.22E-02
314 488667.32, 3858109.41	0.13521	0.16687	2.05E-02	2.64E-02	1.94E-02	1.98E-02	1.87E-02	5.44E-03	6.72E-03	1.22E-02	5.31E-03	6.55E-03	1.19E-02	5.24E-03	6.47E-03	1.17E-02
315 488769.93, 3858449.27	0.19245	0.2265	2.92E-02	3.59E-02	2.76E-02	2.82E-02	2.66E-02	7.74E-03	9.12E-03	1.69E-02	7.56E-03	8.89E-03	1.65E-02	7.46E-03	8.78E-03	1.62E-02
316 488819.93, 3858449.27	0.18407	0.2114	2.80E-02	3.35E-02	2.64E-02	2.70E-02	2.55E-02	7.41E-03	8.51E-03	1.59E-02	7.23E-03	8.30E-03	1.55E-02	7.13E-03	8.19E-03	1.53E-02
317 488819.93, 3858499.27	0.20182	0.22835	3.07E-02	3.62E-02	2.89E-02	2.96E-02	2.79E-02	8.12E-03	9.19E-03	1.73E-02	7.93E-03	8.97E-03	1.69E-02	7.82E-03	8.85E-03	1.67E-02
318 488869.93, 3858499.27	0.19094	0.21288	2.90E-02	3.37E-02	2.73E-02	2.80E-02	2.64E-02	7.68E-03	8.57E-03	1.63E-02	7.50E-03	8.36E-03	1.59E-02	7.40E-03	8.25E-03	1.56E-02
319 488869.93, 3858549.27	0.21051	0.23004	3.20E-02	3.64E-02	3.01E-02	3.09E-02	2.91E-02	8.47E-03	9.26E-03	1.77E-02	8.27E-03	9.03E-03	1.73E-02	8.16E-03	8.91E-03	1.71E-02
320 489438.17, 3859571.48	0.19439	0.19112	2.95E-02	3.03E-02	2.78E-02	2.85E-02	2.69E-02	7.82E-03	7.69E-03	1.55E-02	7.63E-03	7.51E-03	1.51E-02	7.53E-03	7.41E-03	1.49E-02
321 489488.17, 3859571.48	0.20731	0.20336	3.15E-02	3.22E-02	2.97E-02	3.04E-02	2.87E-02	8.34E-03	8.18E-03	1.65E-02	8.14E-03	7.99E-03	1.61E-02	8.03E-03	7.88E-03	1.59E-02
322 489538.17, 3859571.48	0.22256	0.21803	3.38E-02	3.45E-02	3.19E-02	3.26E-02	3.08E-02	8.96E-03	8.77E-03	1.77E-02	8.74E-03	8.56E-03	1.73E-02	8.62E-03	8.45E-03	1.71E-02
323 489588.17, 3859571.48	0.2398	0.23206	3.64E-02	3.67E-02	3.43E-02	3.52E-02	3.32E-02	9.65E-03	9.34E-03	1.90E-02	9.42E-03	9.11E-03	1.85E-02	9.29E-03	8.99E-03	1.83E-02
324 489438.17, 3859621.48	0.17638	0.17166	2.68E-02	2.72E-02	2.53E-02	2.59E-02	2.44E-02	7.10E-03	6.91E-03	1.40E-02	6.93E-03	6.74E-03	1.37E-02	6.83E-03	6.65E-03	1.35E-02
325 489488.17, 3859621.48	0.18625	0.183	2.83E-02	2.90E-02	2.67E-02	2.73E-02	2.58E-02	7.50E-03	7.36E-03	1.49E-02	7.31E-03	7.19E-03	1.45E-02	7.22E-03	7.09E-03	1.43E-02
326 489538.17, 3859621.48	0.19788	0.19354	3.01E-02	3.06E-02	2.83E-02	2.90E-02	2.74E-02	7.96E-03	7.79E-03	1.58E-02	7.77E-03	7.60E-03	1.54E-02	7.67E-03	7.50E-03	1.52E-02

327 489588.17, 3859621.48	0.21259	0.20742	3.23E-02	3.28E-02	3.04E-02	3.12E-02	2.94E-02	8.56E-03	8.35E-03	1.69E-02	8.35E-03	8.15E-03	1.65E-02	8.24E-03	8.04E-03	1.63E-02
328 489238.17, 3859671.48	0.13511	0.13637	2.05E-02	2.16E-02	1.93E-02	1.98E-02	1.87E-02	5.44E-03	5.49E-03	1.09E-02	5.31E-03	5.36E-03	1.07E-02	5.24E-03	5.28E-03	1.05E-02
329 489288.17, 3859671.48	0.13983	0.14174	2.12E-02	2.24E-02	2.00E-02	2.05E-02	1.93E-02	5.63E-03	5.70E-03	1.13E-02	5.49E-03	5.57E-03	1.11E-02	5.42E-03	5.49E-03	1.09E-02
330 489338.17, 3859671.48	0.14596	0.14741	2.22E-02	2.33E-02	2.09E-02	2.14E-02	2.02E-02	5.87E-03	5.93E-03	1.18E-02	5.73E-03	5.79E-03	1.15E-02	5.66E-03	5.71E-03	1.14E-02
331 489388.17, 3859671.48	0.15339	0.15301	2.33E-02	2.42E-02	2.20E-02	2.25E-02	2.12E-02	6.17E-03	6.16E-03	1.23E-02	6.02E-03	6.01E-03	1.20E-02	5.94E-03	5.93E-03	1.19E-02
332 489438.17, 3859671.48	0.16025	0.1585	2.44E-02	2.51E-02	2.29E-02	2.35E-02	2.22E-02	6.45E-03	6.38E-03	1.28E-02	6.29E-03	6.22E-03	1.25E-02	6.21E-03	6.14E-03	1.24E-02
333 489488.17, 3859671.48	0.16938	0.16533	2.57E-02	2.62E-02	2.42E-02	2.48E-02	2.34E-02	6.82E-03	6.65E-03	1.35E-02	6.65E-03	6.49E-03	1.31E-02	6.56E-03	6.41E-03	1.30E-02
334 489538.17, 3859671.48	0.17957	0.17726	2.73E-02	2.81E-02	2.57E-02	2.63E-02	2.48E-02	7.23E-03	7.13E-03	1.44E-02	7.05E-03	6.96E-03	1.40E-02	6.96E-03	6.87E-03	1.38E-02
335 489588.17, 3859671.48	0.19152	0.18833	2.91E-02	2.98E-02	2.74E-02	2.81E-02	2.65E-02	7.71E-03	7.58E-03	1.53E-02	7.52E-03	7.40E-03	1.49E-02	7.42E-03	7.30E-03	1.47E-02
336 489238.17, 3859721.48	0.12892	0.12723	1.96E-02	2.01E-02	1.85E-02	1.89E-02	1.78E-02	5.19E-03	5.12E-03	1.03E-02	5.06E-03	5.00E-03	1.01E-02	5.00E-03	4.93E-03	9.93E-03
337 489288.17, 3859721.48	0.13355	0.13365	2.03E-02	2.12E-02	1.91E-02	1.96E-02	1.85E-02	5.37E-03	5.38E-03	1.08E-02	5.24E-03	5.25E-03	1.05E-02	5.17E-03	5.18E-03	1.04E-02
338 489338.17, 3859721.48	0.13799	0.13957	2.10E-02	2.21E-02	1.98E-02	2.02E-02	1.91E-02	5.55E-03	5.62E-03	1.12E-02	5.42E-03	5.48E-03	1.09E-02	5.35E-03	5.41E-03	1.08E-02
339 489388.17, 3859721.48	0.14297	0.14474	2.17E-02	2.29E-02	2.05E-02	2.10E-02	1.98E-02	5.75E-03	5.82E-03	1.16E-02	5.61E-03	5.68E-03	1.13E-02	5.54E-03	5.61E-03	1.11E-02
340 489438.17, 3859721.48	0.14908	0.14869	2.27E-02	2.35E-02	2.13E-02	2.19E-02	2.06E-02	6.00E-03	5.98E-03	1.20E-02	5.85E-03	5.84E-03	1.17E-02	5.78E-03	5.76E-03	1.15E-02
341 489488.17, 3859721.48	0.15645	0.15498	2.38E-02	2.45E-02	2.24E-02	2.29E-02	2.16E-02	6.30E-03	6.24E-03	1.25E-02	6.14E-03	6.09E-03	1.22E-02	6.06E-03	6.01E-03	1.21E-02
342 489538.17, 3859721.48	0.16388	0.16102	2.49E-02	2.55E-02	2.35E-02	2.40E-02	2.27E-02	6.60E-03	6.48E-03	1.31E-02	6.44E-03	6.32E-03	1.28E-02	6.35E-03	6.24E-03	1.26E-02
343 489588.17, 3859721.48	0.17193	0.1729	2.61E-02	2.74E-02	2.46E-02	2.52E-02	2.38E-02	6.92E-03	6.96E-03	1.39E-02	6.75E-03	6.79E-03	1.35E-02	6.66E-03	6.70E-03	1.34E-02
344 489238.17, 3859771.48	0.12168	0.11887	1.85E-02	1.88E-02	1.74E-02	1.78E-02	1.68E-02	4.90E-03	4.78E-03	9.68E-03	4.78E-03	4.67E-03	9.45E-03	4.71E-03	4.61E-03	9.32E-03
345 489288.17, 3859771.48	0.12719	0.12375	1.93E-02	1.96E-02	1.82E-02	1.86E-02	1.76E-02	5.12E-03	4.98E-03	1.01E-02	4.99E-03	4.86E-03	9.85E-03	4.93E-03	4.80E-03	9.72E-03
346 489338.17, 3859771.48	0.13063	0.12935	1.98E-02	2.05E-02	1.87E-02	1.92E-02	1.81E-02	5.26E-03	5.21E-03	1.05E-02	5.13E-03	5.08E-03	1.02E-02	5.06E-03	5.01E-03	1.01E-02
347 489388.17, 3859771.48	0.13476	0.13489	2.05E-02	2.14E-02	1.93E-02	1.98E-02	1.86E-02	5.42E-03	5.43E-03	1.09E-02	5.29E-03	5.30E-03	1.06E-02	5.22E-03	5.23E-03	1.04E-02
348 489438.17, 3859771.48	0.13876	0.13931	2.11E-02	2.21E-02	1.99E-02	2.03E-02	1.92E-02	5.58E-03	5.61E-03	1.12E-02	5.45E-03	5.47E-03	1.09E-02	5.38E-03	5.40E-03	1.08E-02
349 489488.17, 3859771.48	0.1452	0.14431	2.21E-02	2.28E-02	2.08E-02	2.13E-02	2.01E-02	5.84E-03	5.81E-03	1.17E-02	5.70E-03	5.67E-03	1.14E-02	5.63E-03	5.59E-03	1.12E-02
350 489538.17, 3859771.48	0.15176	0.1501	2.31E-02	2.38E-02	2.17E-02	2.23E-02	2.10E-02	6.11E-03	6.04E-03	1.21E-02	5.96E-03	5.89E-03	1.19E-02	5.88E-03	5.82E-03	1.17E-02
351 489588.17, 3859771.48	0.15838	0.15583	2.41E-02	2.47E-02	2.27E-02	2.32E-02	2.19E-02	6.37E-03	6.27E-03	1.26E-02	6.22E-03	6.12E-03	1.23E-02	6.14E-03	6.04E-03	1.22E-02
352 489238.17, 3859821.48	0.1161	0.11221	1.76E-02	1.78E-02	1.66E-02	1.70E-02	1.61E-02	4.67E-03	4.52E-03	9.19E-03	4.56E-03	4.41E-03	8.97E-03	4.50E-03	4.35E-03	8.85E-03
353 489288.17, 3859821.48	0.11944	0.11661	1.81E-02	1.85E-02	1.71E-02	1.75E-02	1.65E-02	4.81E-03	4.69E-03	9.50E-03	4.69E-03	4.58E-03	9.27E-03	4.63E-03	4.52E-03	9.15E-03
354 489338.17, 3859821.48	0.12343	0.1206	1.88E-02	1.91E-02	1.77E-02	1.81E-02	1.71E-02	4.97E-03	4.85E-03	9.82E-03	4.85E-03	4.74E-03	9.58E-03	4.78E-03	4.67E-03	9.46E-03
355 489388.17, 3859821.48	0.12766	0.12472	1.94E-02	1.97E-02	1.83E-02	1.87E-02	1.77E-02	5.14E-03	5.02E-03	1.02E-02	5.01E-03	4.90E-03	9.91E-03	4.95E-03	4.83E-03	9.78E-03
356 489438.17, 3859821.48	0.13193	0.12955	2.00E-02	2.05E-02	1.89E-02	1.93E-02	1.82E-02	5.31E-03	5.21E-03	1.05E-02	5.18E-03	5.09E-03	1.03E-02	5.11E-03	5.02E-03	1.01E-02
357 489488.17, 3859821.48	0.13636	0.13414	2.07E-02	2.12E-02	1.95E-02	2.00E-02	1.89E-02	5.49E-03	5.40E-03	1.09E-02	5.35E-03	5.27E-03	1.06E-02	5.28E-03	5.20E-03	1.05E-02
358 489538.17, 3859821.48	0.14155	0.13923	2.15E-02	2.20E-02	2.03E-02	2.08E-02	1.96E-02	5.70E-03	5.60E-03	1.13E-02	5.56E-03	5.47E-03	1.10E-02	5.48E-03	5.39E-03	1.09E-02
359 489588.17, 3859821.48	0.14718	0.14458	2.24E-02	2.29E-02	2.11E-02	2.16E-02	2.04E-02	5.92E-03	5.82E-03	1.17E-02	5.78E-03	5.68E-03	1.15E-02	5.70E-03	5.60E-03	1.13E-02
360 489238.17, 3859871.48	0.1113	0.10739	1.69E-02	1.70E-02	1.59E-02	1.63E-02	1.54E-02	4.48E-03	4.32E-03	8.80E-03	4.37E-03	4.22E-03	8.59E-03	4.31E-03	4.16E-03	8.47E-03
361 489288.17, 3859871.48	0.11418	0.10996	1.73E-02	1.74E-02	1.63E-02	1.67E-02	1.58E-02	4.59E-03	4.43E-03	9.02E-03	4.48E-03	4.32E-03	8.80E-03	4.42E-03	4.26E-03	8.69E-03
362 489338.17, 3859871.48	0.11693	0.11379	1.78E-02	1.80E-02	1.67E-02	1.71E-02	1.62E-02	4.71E-03	4.58E-03	9.28E-03	4.59E-03	4.47E-03	9.06E-03	4.53E-03	4.41E-03	8.94E-03
363 489388.17, 3859871.48	0.12067	0.11794	1.83E-02	1.87E-02	1.73E-02	1.77E-02	1.67E-02	4.86E-03	4.75E-03	9.60E-03	4.74E-03	4.63E-03	9.37E-03	4.68E-03	4.57E-03	9.25E-03
364 489438.17, 3859871.48	0.12598	0.12119	1.91E-02	1.92E-02	1.80E-02	1.85E-02	1.74E-02	5.07E-03	4.88E-03	9.95E-03	4.95E-03	4.76E-03	9.71E-03	4.88E-03	4.70E-03	9.58E-03
365 489488.17, 3859871.48	0.12964	0.12448	1.97E-02	1.97E-02	1.86E-02	1.90E-02	1.79E-02	5.22E-03	5.01E-03	1.02E-02	5.09E-03	4.89E-03	9.98E-03	5.02E-03	4.82E-03	9.85E-03
366 489538.17, 3859871.48	0.1333	0.12936	2.03E-02	2.05E-02	1.91E-02	1.95E-02	1.84E-02	5.36E-03	5.21E-03	1.06E-02	5.23E-03	5.08E-03	1.03E-02	5.17E-03	5.01E-03	1.02E-02
367 489588.17, 3859871.48	0.1376	0.13485	2.09E-02	2.14E-02	1.97E-02	2.02E-02	1.90E-02	5.54E-03	5.43E-03	1.10E-02	5.40E-03	5.30E-03	1.07E-02	5.33E-03	5.23E-03	1.06E-02
368 489238.17, 3859921.48	0.10589	0.1025	1.61E-02	1.62E-02	1.52E-02	1.55E-02	1.46E-02	4.26E-03	4.12E-03	8.39E-03	4.16E-03	4.03E-03	8.18E-03	4.10E-03	3.97E-03	8.07E-03
369 489288.17, 3859921.48	0.11051	0.10564	1.68E-02	1.67E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	4.25E-03	8.70E-03	4.34E-03	4.15E-03	8.49E-03	4.28E-03	4.09E-03	8.38E-03
370 489338.17, 3859921.48	0.11329	0.10841	1.72E-02	1.72E-02	1.62E-02	1.66E-02	1.57E-02	4.56E-03	4.36E-03	8.92E-03	4.45E-03	4.26E-03	8.71E-03	4.39E-03	4.20E-03	8.59E-03
371 489388.17, 3859921.48	0.11634	0.11153	1.77E-02	1.77E-02	1.67E-02	1.71E-02	1.61E-02	4.68E-03	4.49E-03	9.17E-03	4.57E-03	4.38E-03	8.95E-03	4.51E-03	4.32E-03	8.83E-03
372 489438.17, 3859921.48	0.11945	0.11438	1.82E-02	1.81E-02	1.71E-02	1.75E-02	1.65E-02	4.81E-03	4.60E-03	9.41E-03	4.69E-03	4.49E-03	9.18E-03	4.63E-03	4.43E-03	9.06E-03
373 489488.17, 3859921.48	0.12218	0.11679	1.86E-02	1.85E-02	1.75E-02	1.79E-02	1.69E-02	4.92E-03	4.70E-03	9.62E-03	4.80E-03	4.59E-03	9.38E-03	4.73E-03	4.53E-03	9.26E-03
374 489538.17, 3859921.48	0.12616	0.12052	1.92E-02	1.91E-02	1.81E-02	1.85E-02	1.74E-02	5.08E-03	4.85E-03	9.93E-03	4.95E-03	4.73E-03	9.69E-03	4.89E-03	4.67E-03	9.56E-03
375 489588.17, 3859921.48	0.12817	0.12437	1.95E-02	1.97E-02	1.83E-02	1.88E-02	1.77E-02	5.16E-03	5.01E-03	1.02E-02	5.03E-03	4.88E-03	9.92E-03	4.97E-03	4.82E-03	9.79E-03
376 489238.17, 3859971.48	0.09978	0.09734	1.52E-02	1.54E-02	1.43E-02	1.46E-02	1.38E-02	4.02E-03	3.92E-03	7.93E-03	3.92E-03	3.82E-03	7.74E-03	3.87E-03	3.77E-03	7.64E-03
377 489288.17, 3859971.48	0.10277	0.09994	1.56E-02	1.58E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.02E-03	8.16E-03	4.04E-03	3.92E-03	7.96E-03	3.98E-03	3.87E-03	7.85E-03
378 489338.17, 3859971.48	0.10705	0.10277	1.63E-02	1.63E-02	1.53E-02	1.57E-02	1.48E-02	4.31E-03	4.14E-03	8.44E-03	4.20E-03	4.04E-03	8.24E-03	4.15E-03	3.98E-03	8.13E-03
379 489388.17, 3859971.48	0.11109	0.10562	1.69E-02	1.67E-02	1.59E-02	1.63E-02	1.54E-02	4.47E-03	4.25E-03	8.72E-03	4.36E-03	4.15E-03	8.51E-03	4.30E-03	4.09E-03	8.40E-03
380 489438.17, 3859971.48	0.11349	0.1078	1.72E-02	1.71E-02	1.62E-02	1.66E-02	1.57E-02	4.57E-03	4.34E-03	8.91E-03	4.46E-03	4.23E-03	8.69E-03	4.40E-03	4.18E-03	8.57E-03
381 489488.17, 3859971.48	0.11247	0.11011	1.71E-02	1.74E-02	1.61E-02	1.65E-02	1.56E-02	4.53E-03	4.43E-03	8.96E-03	4.42E-03	4.32E-03	8.74E-03	4.36E-03	4.27E-03	8.62E-03
382 489538.17, 3859971.48	0.11396	0.11143	1.73E-02	1.76E-02	1.63E-02	1.67E-02	1.58E-02	4.59E-03	4.48E-03	9.07E-03	4.48E-03	4.38E-03	8.85E-03	4.42E-03	4.32E-03	8.73E-03
383 489588.17, 3859971.48	0.11225	0.11204	1.71E-02	1.77E-02	1.61E-02	1.65E-02	1.55E-02	4.52E-03	4.51E-03	9.03E-03	4.41E-03	4.40E-03	8.81E-03	4.35E-03	4.34E-03	8.69E-03
384 483577.7, 3854071	0.11444	0.2198	1.74E-02	3.48E-02	1.64E-02	1.68E-02	1.58E-02	4.61E-03	8.85E-03	1.35E-02	4.49E-03	8.63E-03	1.31E-02	4.43E-03	8.52E-03	1.30E-02
385 483627.7, 3854071	0.10642	0.20124	1.62E-02	3.19E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	8.10E-03	1.24E-02	4.18E-03	7.90E-03	1.21E-02	4.12E-03	7.80E-03	1.19E-02
386 483677.7, 3854071	0.09949	0.18823	1.51E-02	2.98E-02	1.42E-02	1.46E-02	1.38E-02	4.00E-03	7.57E-03	1.16E-02	3.91E-03	7.39E-03	1.13E-02	3.86E-03	7.29E-03	1.11E-02
387 483727.7, 3854071	0.09339	0.17697	1.42E-02	2.80E-02	1.34E-02	1.37E-02	1.29E-02	3.76E-03	7.12E-03	1.09E-02	3.67E-03	6.95E-03	1.06E-02	3.62E-03	6.86E-03	1.05E-02
388 483777.7, 3854071	0.08517	0.16812	1.29E-02	2.66E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	6.77E-03	1.02E-02	3.34E-03	6.60E-03	9.95E-03	3.30E-03	6.51E-03	9.81E-03
389 483577.7, 3854121	0.11284	0.24864	1.71E-02	3.94E-02	1.62E-02	1.65E-02	1.56E-02	4.54E-03	1.00E-02	1.45E-02	4.43E-03	9.76E-03	1.42E-02	4.37E-03	9.63E-03	1.40E-02
390 483627.7, 3854121	0.10717	0.22228	1.63E-02	3.52E-02	1.53E-02	1.57E-02	1.48E-02	4.31E-03	8.95E-03	1.33E-02	4.21E-03	8.73E-03	1.29E-02	4.15E-03	8.61E-03	1.28E-02
391 483677.7, 3854121	0.09762	0.20087	1.48E-02	3.18E-02	1.40E-02	1.43E-02	1.35E-02	3.93E-03	8.08E-03	1.20E-02	3.83E-03	7.89E-03	1.17E-02	3.78E-03	7.78E-03	1.16E-02
392 483727.7, 3854121	0.08687	0.18173	1.32E-02	2.88E-02	1.24E-02	1.27E-02	1.20E-02	3.50E-03	7.31E-03	1.08E-02	3.41E-03	7.14E-03	1.05E-02	3.37E-03	7.04E-03	1.04E-02

393 483777.7, 3854121	0.07977	0.16981	1.21E-02	2.69E-02	1.14E-02	1.17E-02	1.10E-02	3.21E-03	6.83E-03	1.00E-02	3.13E-03	6.67E-03	9.80E-03	3.09E-03	6.58E-03	9.67E-03
394 483577.7, 3854171	0.10892	0.27976	1.66E-02	4.43E-02	1.56E-02	1.60E-02	1.51E-02	4.38E-03	1.13E-02	1.56E-02	4.28E-03	1.10E-02	1.53E-02	4.22E-03	1.08E-02	1.51E-02
395 483627.7, 3854171	0.09944	0.24686	1.51E-02	3.91E-02	1.42E-02	1.46E-02	1.38E-02	4.00E-03	9.93E-03	1.39E-02	3.90E-03	9.69E-03	1.36E-02	3.85E-03	9.57E-03	1.34E-02
396 483677.7, 3854171	0.09205	0.21902	1.40E-02	3.47E-02	1.32E-02	1.35E-02	1.27E-02	3.70E-03	8.81E-03	1.25E-02	3.61E-03	8.60E-03	1.22E-02	3.57E-03	8.49E-03	1.21E-02
397 483727.7, 3854171	0.0855	0.19861	1.30E-02	3.14E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	7.99E-03	1.14E-02	3.36E-03	7.80E-03	1.12E-02	3.31E-03	7.70E-03	1.10E-02
398 483777.7, 3854171	0.07804	0.18165	1.19E-02	2.88E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	7.31E-03	1.05E-02	3.06E-03	7.13E-03	1.02E-02	3.02E-03	7.04E-03	1.01E-02
399 483827.7, 3854171	0.07015	0.16583	1.07E-02	2.63E-02	1.00E-02	1.03E-02	9.70E-03	2.82E-03	6.67E-03	9.50E-03	2.75E-03	6.51E-03	9.27E-03	2.72E-03	6.43E-03	9.14E-03
400 483877.7, 3854171	0.06665	0.15896	1.01E-02	2.52E-02	9.54E-03	9.77E-03	9.22E-03	2.68E-03	6.40E-03	9.08E-03	2.62E-03	6.24E-03	8.86E-03	2.58E-03	6.16E-03	8.74E-03
401 483727.7, 3854221	0.08255	0.22978	1.25E-02	3.64E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	9.25E-03	1.26E-02	3.24E-03	9.02E-03	1.23E-02	3.20E-03	8.90E-03	1.21E-02
402 483777.7, 3854221	0.07565	0.20665	1.15E-02	3.27E-02	1.08E-02	1.11E-02	1.05E-02	3.04E-03	8.32E-03	1.14E-02	2.97E-03	8.12E-03	1.11E-02	2.93E-03	8.01E-03	1.09E-02
403 483827.7, 3854221	0.07299	0.1924	1.11E-02	3.05E-02	1.04E-02	1.07E-02	1.01E-02	2.94E-03	7.74E-03	1.07E-02	2.87E-03	7.56E-03	1.04E-02	2.83E-03	7.46E-03	1.03E-02
404 483877.7, 3854221	0.06694	0.17319	1.02E-02	2.74E-02	9.58E-03	9.82E-03	9.26E-03	2.69E-03	6.97E-03	9.66E-03	2.63E-03	6.80E-03	9.43E-03	2.59E-03	6.71E-03	9.30E-03
405 489150.19, 3858726.45	0.21636	0.2157	3.29E-02	3.42E-02	3.10E-02	3.17E-02	2.99E-02	8.71E-03	8.68E-03	1.74E-02	8.50E-03	8.47E-03	1.70E-02	8.38E-03	8.36E-03	1.67E-02
406 489200.19, 3858726.45	0.20509	0.20261	3.12E-02	3.21E-02	2.94E-02	3.01E-02	2.84E-02	8.25E-03	8.15E-03	1.64E-02	8.05E-03	7.96E-03	1.60E-02	7.95E-03	7.85E-03	1.58E-02
407 489150.19, 3858776.45	0.23818	0.24121	3.62E-02	3.82E-02	3.41E-02	3.49E-02	3.29E-02	9.59E-03	9.71E-03	1.93E-02	9.35E-03	9.47E-03	1.88E-02	9.23E-03	9.35E-03	1.86E-02
408 489200.19, 3858776.45	0.22526	0.22487	3.42E-02	3.56E-02	3.22E-02	3.30E-02	3.12E-02	9.07E-03	9.05E-03	1.81E-02	8.85E-03	8.83E-03	1.77E-02	8.73E-03	8.71E-03	1.74E-02
409 488919.6, 3856400.76	0.0486	0.06815	7.38E-03	1.08E-02	6.96E-03	7.13E-03	6.72E-03	1.96E-03	2.74E-03	4.70E-03	1.91E-03	2.68E-03	4.58E-03	1.88E-03	2.64E-03	4.52E-03
410 488919.6, 3856450.76	0.04991	0.06983	7.58E-03	1.11E-02	7.15E-03	7.32E-03	6.90E-03	2.01E-03	2.81E-03	4.82E-03	1.96E-03	2.74E-03	4.70E-03	1.93E-03	2.71E-03	4.64E-03
411 488969.6, 3856450.76	0.04946	0.06866	7.52E-03	1.09E-02	7.08E-03	7.25E-03	6.84E-03	1.99E-03	2.76E-03	4.75E-03	1.94E-03	2.70E-03	4.64E-03	1.92E-03	2.66E-03	4.58E-03
412 488919.6, 3856500.76	0.05094	0.071	7.74E-03	1.12E-02	7.29E-03	7.47E-03	7.05E-03	2.05E-03	2.86E-03	4.91E-03	2.00E-03	2.79E-03	4.79E-03	1.97E-03	2.75E-03	4.72E-03
413 488969.6, 3856500.76	0.05067	0.06983	7.70E-03	1.11E-02	7.25E-03	7.43E-03	7.01E-03	2.04E-03	2.81E-03	4.85E-03	1.99E-03	2.74E-03	4.73E-03	1.96E-03	2.71E-03	4.67E-03
414 488919.6, 3856550.76	0.05242	0.07163	7.97E-03	1.13E-02	7.50E-03	7.69E-03	7.25E-03	2.11E-03	2.88E-03	4.99E-03	2.06E-03	2.81E-03	4.87E-03	2.03E-03	2.78E-03	4.81E-03
415 488969.6, 3856550.76	0.05198	0.07056	7.90E-03	1.12E-02	7.44E-03	7.62E-03	7.19E-03	2.09E-03	2.84E-03	4.93E-03	2.04E-03	2.77E-03	4.81E-03	2.01E-03	2.73E-03	4.75E-03
416 488819.6, 3856600.76	0.05451	0.07408	8.28E-03	1.17E-02	7.80E-03	7.99E-03	7.54E-03	2.19E-03	2.98E-03	5.17E-03	2.14E-03	2.91E-03	5.05E-03	2.11E-03	2.87E-03	4.98E-03
417 488869.6, 3856600.76	0.05406	0.07302	8.21E-03	1.16E-02	7.74E-03	7.93E-03	7.48E-03	2.18E-03	2.94E-03	5.11E-03	2.12E-03	2.87E-03	4.99E-03	2.09E-03	2.83E-03	4.92E-03
418 488919.6, 3856600.76	0.05376	0.07225	8.17E-03	1.14E-02	7.70E-03	7.88E-03	7.44E-03	2.16E-03	2.91E-03	5.07E-03	2.11E-03	2.84E-03	4.95E-03	2.08E-03	2.80E-03	4.88E-03
419 488819.6, 3856650.76	0.05598	0.07489	8.51E-03	1.19E-02	8.01E-03	8.21E-03	7.74E-03	2.25E-03	3.01E-03	5.27E-03	2.20E-03	2.94E-03	5.14E-03	2.17E-03	2.90E-03	5.07E-03
420 488869.6, 3856650.76	0.05544	0.07389	8.42E-03	1.17E-02	7.94E-03	8.13E-03	7.67E-03	2.23E-03	2.97E-03	5.20E-03	2.18E-03	2.90E-03	5.08E-03	2.15E-03	2.86E-03	5.01E-03
421 488819.6, 3856700.76	0.05741	0.07567	8.72E-03	1.20E-02	8.22E-03	8.42E-03	7.94E-03	2.31E-03	3.05E-03	5.36E-03	2.25E-03	2.97E-03	5.23E-03	2.22E-03	2.93E-03	5.16E-03
422 488869.6, 3856700.76	0.0568	0.07474	8.63E-03	1.18E-02	8.13E-03	8.33E-03	7.86E-03	2.29E-03	3.01E-03	5.29E-03	2.23E-03	2.94E-03	5.17E-03	2.20E-03	2.90E-03	5.10E-03
423 488819.6, 3856750.76	0.05854	0.07684	8.90E-03	1.22E-02	8.38E-03	8.58E-03	8.10E-03	2.36E-03	3.09E-03	5.45E-03	2.30E-03	3.02E-03	5.32E-03	2.27E-03	2.98E-03	5.25E-03
424 488869.6, 3856750.76	0.05816	0.07583	8.84E-03	1.20E-02	8.33E-03	8.53E-03	8.04E-03	2.34E-03	3.05E-03	5.39E-03	2.28E-03	2.98E-03	5.26E-03	2.25E-03	2.94E-03	5.19E-03
425 488819.6, 3857050.76	0.06612	0.08234	1.00E-02	1.30E-02	9.47E-03	9.70E-03	9.14E-03	2.66E-03	3.31E-03	5.97E-03	2.60E-03	3.23E-03	5.83E-03	2.56E-03	3.19E-03	5.75E-03
426 488869.6, 3857050.76	0.0656	0.08119	9.97E-03	1.29E-02	9.39E-03	9.62E-03	9.07E-03	2.64E-03	3.27E-03	5.91E-03	2.58E-03	3.19E-03	5.76E-03	2.54E-03	3.15E-03	5.69E-03
427 488919.6, 3857050.76	0.06459	0.08029	9.81E-03	1.27E-02	9.25E-03	9.47E-03	8.93E-03	2.60E-03	3.23E-03	5.83E-03	2.54E-03	3.15E-03	5.69E-03	2.50E-03	3.11E-03	5.61E-03
428 488819.6, 3857100.76	0.0679	0.08354	1.03E-02	1.32E-02	9.72E-03	9.96E-03	9.39E-03	2.73E-03	3.36E-03	6.09E-03	2.67E-03	3.28E-03	5.95E-03	2.63E-03	3.24E-03	5.87E-03
429 488869.6, 3857100.76	0.0674	0.08239	1.02E-02	1.30E-02	9.65E-03	9.88E-03	9.32E-03	2.71E-03	3.32E-03	6.03E-03	2.65E-03	3.24E-03	5.88E-03	2.61E-03	3.19E-03	5.80E-03
430 488919.6, 3857100.76	0.06677	0.08125	1.01E-02	1.29E-02	9.56E-03	9.79E-03	9.23E-03	2.69E-03	3.27E-03	5.96E-03	2.62E-03	3.19E-03	5.81E-03	2.59E-03	3.15E-03	5.74E-03
431 488819.6, 3857150.76	0.06944	0.08509	1.06E-02	1.35E-02	9.94E-03	1.02E-02	9.60E-03	2.79E-03	3.42E-03	6.22E-03	2.73E-03	3.34E-03	6.07E-03	2.69E-03	3.30E-03	5.99E-03
432 488869.6, 3857150.76	0.06908	0.08387	1.05E-02	1.33E-02	9.89E-03	1.01E-02	9.55E-03	2.78E-03	3.38E-03	6.16E-03	2.71E-03	3.29E-03	6.01E-03	2.68E-03	3.25E-03	5.93E-03
433 488919.6, 3857150.76	0.06849	0.08264	1.04E-02	1.31E-02	9.81E-03	1.00E-02	9.47E-03	2.76E-03	3.33E-03	6.08E-03	2.69E-03	3.25E-03	5.93E-03	2.65E-03	3.20E-03	5.86E-03
434 488969.6, 3857150.76	0.06772	0.08146	1.03E-02	1.29E-02	9.69E-03	9.93E-03	9.37E-03	2.73E-03	3.28E-03	6.00E-03	2.66E-03	3.20E-03	5.86E-03	2.62E-03	3.16E-03	5.78E-03
435 488819.6, 3857200.76	0.07081	0.0868	1.08E-02	1.37E-02	1.01E-02	1.04E-02	9.79E-03	2.85E-03	3.49E-03	6.34E-03	2.78E-03	3.41E-03	6.19E-03	2.74E-03	3.36E-03	6.11E-03
436 488869.6, 3857200.76	0.07071	0.08553	1.07E-02	1.35E-02	1.01E-02	1.04E-02	9.78E-03	2.85E-03	3.44E-03	6.29E-03	2.78E-03	3.36E-03	6.14E-03	2.74E-03	3.31E-03	6.05E-03
437 488919.6, 3857200.76	0.07023	0.08404	1.07E-02	1.33E-02	1.01E-02	1.03E-02	9.71E-03	2.83E-03	3.38E-03	6.21E-03	2.76E-03	3.30E-03	6.06E-03	2.72E-03	3.26E-03	5.98E-03
438 488969.6, 3857200.76	0.06963	0.08293	1.06E-02	1.31E-02	9.97E-03	1.02E-02	9.63E-03	2.80E-03	3.34E-03	6.14E-03	2.73E-03	3.26E-03	5.99E-03	2.70E-03	3.21E-03	5.91E-03
439 488819.6, 3857250.76	0.07192	0.0886	1.09E-02	1.40E-02	1.03E-02	1.05E-02	9.95E-03	2.89E-03	3.57E-03	6.46E-03	2.82E-03	3.48E-03	6.30E-03	2.79E-03	3.43E-03	6.22E-03
440 488869.6, 3857250.76	0.07221	0.08728	1.10E-02	1.38E-02	1.03E-02	1.06E-02	9.99E-03	2.91E-03	3.51E-03	6.42E-03	2.84E-03	3.43E-03	6.26E-03	2.80E-03	3.38E-03	6.18E-03
441 488919.6, 3857250.76	0.07188	0.08585	1.09E-02	1.36E-02	1.03E-02	1.05E-02	9.94E-03	2.89E-03	3.45E-03	6.35E-03	2.82E-03	3.37E-03	6.19E-03	2.79E-03	3.33E-03	6.11E-03
442 488969.6, 3857250.76	0.07139	0.08446	1.08E-02	1.34E-02	1.02E-02	1.05E-02	9.87E-03	2.87E-03	3.40E-03	6.27E-03	2.80E-03	3.32E-03	6.12E-03	2.77E-03	3.27E-03	6.04E-03
443 488819.6, 3857300.76	0.07347	0.09023	1.12E-02	1.43E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	3.63E-03	6.59E-03	2.89E-03	3.54E-03	6.43E-03	2.85E-03	3.50E-03	6.34E-03
444 488869.6, 3857300.76	0.07342	0.08897	1.12E-02	1.41E-02	1.05E-02	1.08E-02	1.02E-02	2.95E-03	3.58E-03	6.54E-03	2.88E-03	3.49E-03	6.38E-03	2.84E-03	3.45E-03	6.29E-03
445 488919.6, 3857300.76	0.07345	0.08748	1.12E-02	1.39E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	3.52E-03	6.48E-03	2.88E-03	3.44E-03	6.32E-03	2.85E-03	3.39E-03	6.24E-03
446 488819.6, 3857450.76	0.0808	0.09622	1.23E-02	1.52E-02	1.16E-02	1.18E-02	1.12E-02	3.25E-03	3.87E-03	7.12E-03	3.17E-03	3.78E-03	6.95E-03	3.13E-03	3.73E-03	6.86E-03
447 488869.6, 3857450.76	0.08034	0.09433	1.22E-02	1.49E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.80E-03	7.03E-03	3.15E-03	3.70E-03	6.86E-03	3.11E-03	3.66E-03	6.77E-03
448 488919.6, 3857450.76	0.0801	0.09263	1.22E-02	1.47E-02	1.15E-02	1.17E-02	1.11E-02	3.22E-03	3.73E-03	6.95E-03	3.15E-03	3.64E-03	6.78E-03	3.10E-03	3.59E-03	6.69E-03
449 488819.6, 3857500.76	0.08232	0.09815	1.25E-02	1.55E-02	1.18E-02	1.21E-02	1.14E-02	3.31E-03	3.95E-03	7.26E-03	3.23E-03	3.85E-03	7.09E-03	3.19E-03	3.80E-03	6.99E-03
450 488869.6, 3857500.76	0.08279	0.09629	1.26E-02	1.52E-02	1.19E-02	1.21E-02	1.15E-02	3.33E-03	3.88E-03	7.21E-03	3.25E-03	3.78E-03	7.03E-03	3.21E-03	3.73E-03	6.94E-03
451 488919.6, 3857500.76	0.0824	0.09449	1.25E-02	1.50E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.80E-03	7.12E-03	3.24E-03	3.71E-03	6.95E-03	3.19E-03	3.66E-03	6.85E-03
452 488819.6, 3857550.76	0.08451	0.10046	1.28E-02	1.59E-02	1.21E-02	1.24E-02	1.17E-02	3.40E-03	4.04E-03	7.44E-03	3.32E-03	3.95E-03	7.26E-03	3.27E-03	3.89E-03	7.17E-03
453 488869.6, 3857550.76	0.08428	0.09845	1.28E-02	1.56E-02	1.21E-02	1.24E-02	1.17E-02	3.39E-03	3.96E-03	7.35E-03	3.31E-03	3.87E-03	7.18E-03	3.27E-03	3.81E-03	7.08E-03
454 488919.6, 3857550.76	0.08484	0.09658	1.29E-02	1.53E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.89E-03	7.30E-03	3.33E-03	3.79E-03	7.12E-03	3.29E-03	3.74E-03	7.03E-03
455 489663.71, 3860900.05	0.06071	0.05769	9.22E-03	9.13E-03	8.69E-03	8.90E-03	8.40E-03	2.44E-03	2.32E-03	4.76E-03	2.38E-03	2.27E-03	4.65E-03	2.35E-03	2.24E-03	4.59E-03
456 489813.71, 3860900.05	0.06251	0.05978	9.50E-03	9.47E-03	8.95E-03	9.17E-03	8.65E-03	2.52E-03	2.41E-03	4.92E-03	2.45E-03	2.35E-03	4.80E-03	2.42E-03	2.32E-03	4.74E-03
457 489863.71, 3860900.05	0.06361	0.06068	9.67E-03	9.61E-03	9.11E-03	9.33E-03	8.80E-03	2.56E-03	2.44E-03	5.00E-03	2.50E-03	2.38E-03	4.88E-03	2.46E-03	2.35E-03	4.82E-03
458 489913.71, 3860900.05	0.06503	0.06149	9.88E-03	9.74E-03	9.31E-03	9.54E-03	8.99E-03	2.62E-03	2.47E-03	5.09E-03	2.55E-03	2.41E-03	4.97E-03	2.52E-03	2.38E-03	4.90E-03

459 489963.71, 3860900.05	0.06547	0.06208	9.95E-03	9.83E-03	9.37E-03	9.60E-03	9.05E-03	2.63E-03	2.50E-03	5.13E-03	2.57E-03	2.44E-03	5.01E-03	2.54E-03	2.41E-03	4.94E-03
460 490013.71, 3860900.05	0.06613	0.06287	1.00E-02	9.95E-03	9.47E-03	9.70E-03	9.15E-03	2.66E-03	2.53E-03	5.19E-03	2.60E-03	2.47E-03	5.07E-03	2.56E-03	2.44E-03	5.00E-03
461 490063.71, 3860900.05	0.06675	0.06357	1.01E-02	1.01E-02	9.56E-03	9.79E-03	9.23E-03	2.69E-03	2.56E-03	5.24E-03	2.62E-03	2.50E-03	5.12E-03	2.59E-03	2.46E-03	5.05E-03
462 489663.71, 3860950.05	0.05783	0.0558	8.79E-03	8.83E-03	8.28E-03	8.48E-03	8.00E-03	2.33E-03	2.25E-03	4.57E-03	2.27E-03	2.19E-03	4.46E-03	2.24E-03	2.16E-03	4.40E-03
463 489813.71, 3860950.05	0.06105	0.05882	9.28E-03	9.31E-03	8.74E-03	8.95E-03	8.44E-03	2.46E-03	2.37E-03	4.82E-03	2.40E-03	2.31E-03	4.71E-03	2.37E-03	2.28E-03	4.64E-03
464 489863.71, 3860950.05	0.06169	0.05971	9.37E-03	9.45E-03	8.83E-03	9.05E-03	8.53E-03	2.48E-03	2.40E-03	4.89E-03	2.42E-03	2.34E-03	4.77E-03	2.39E-03	2.31E-03	4.70E-03
465 489913.71, 3860950.05	0.06293	0.06062	9.56E-03	9.60E-03	9.01E-03	9.23E-03	8.70E-03	2.53E-03	2.44E-03	4.97E-03	2.47E-03	2.38E-03	4.85E-03	2.44E-03	2.35E-03	4.79E-03
466 489963.71, 3860950.05	0.06415	0.06126	9.75E-03	9.70E-03	9.18E-03	9.41E-03	8.87E-03	2.58E-03	2.47E-03	5.05E-03	2.52E-03	2.41E-03	4.92E-03	2.49E-03	2.37E-03	4.86E-03
467 490013.71, 3860950.05	0.06485	0.06198	9.85E-03	9.81E-03	9.28E-03	9.51E-03	8.97E-03	2.61E-03	2.49E-03	5.10E-03	2.55E-03	2.43E-03	4.98E-03	2.51E-03	2.40E-03	4.91E-03
468 490063.71, 3860950.05	0.06549	0.06273	9.95E-03	9.93E-03	9.38E-03	9.60E-03	9.06E-03	2.64E-03	2.52E-03	5.16E-03	2.57E-03	2.46E-03	5.04E-03	2.54E-03	2.43E-03	4.97E-03
469 489513.71, 3861000.05	0.0541	0.05301	8.22E-03	8.39E-03	7.74E-03	7.93E-03	7.48E-03	2.18E-03	2.13E-03	4.31E-03	2.12E-03	2.08E-03	4.21E-03	2.10E-03	2.05E-03	4.15E-03
470 489563.71, 3861000.05	0.05501	0.05353	8.36E-03	8.48E-03	7.88E-03	8.07E-03	7.61E-03	2.21E-03	2.15E-03	4.37E-03	2.16E-03	2.10E-03	4.26E-03	2.13E-03	2.07E-03	4.21E-03
471 489613.71, 3861000.05	0.05604	0.05416	8.52E-03	8.58E-03	8.02E-03	8.22E-03	7.75E-03	2.26E-03	2.18E-03	4.43E-03	2.20E-03	2.13E-03	4.33E-03	2.17E-03	2.10E-03	4.27E-03
472 489663.71, 3861000.05	0.05694	0.05479	8.65E-03	8.67E-03	8.15E-03	8.35E-03	7.88E-03	2.29E-03	2.20E-03	4.50E-03	2.24E-03	2.15E-03	4.39E-03	2.21E-03	2.12E-03	4.33E-03
473 489713.71, 3861000.05	0.05734	0.05562	8.71E-03	8.81E-03	8.21E-03	8.41E-03	7.93E-03	2.31E-03	2.24E-03	4.55E-03	2.25E-03	2.18E-03	4.44E-03	2.22E-03	2.16E-03	4.38E-03
474 489763.71, 3861000.05	0.0578	0.05659	8.78E-03	8.96E-03	8.27E-03	8.48E-03	7.99E-03	2.33E-03	2.28E-03	4.60E-03	2.27E-03	2.22E-03	4.49E-03	2.24E-03	2.19E-03	4.43E-03
475 489813.71, 3861000.05	0.05842	0.05757	8.88E-03	9.12E-03	8.36E-03	8.57E-03	8.08E-03	2.35E-03	2.32E-03	4.67E-03	2.29E-03	2.26E-03	4.55E-03	2.26E-03	2.23E-03	4.49E-03
476 489863.71, 3861000.05	0.05881	0.05817	8.94E-03	9.21E-03	8.42E-03	8.62E-03	8.13E-03	2.37E-03	2.34E-03	4.71E-03	2.31E-03	2.28E-03	4.59E-03	2.28E-03	2.25E-03	4.53E-03
477 489913.71, 3861000.05	0.05947	0.05892	9.04E-03	9.33E-03	8.51E-03	8.72E-03	8.23E-03	2.39E-03	2.37E-03	4.76E-03	2.34E-03	2.31E-03	4.65E-03	2.30E-03	2.28E-03	4.59E-03
478 489963.71, 3861000.05	0.06104	0.05971	9.28E-03	9.45E-03	8.74E-03	8.95E-03	8.44E-03	2.46E-03	2.40E-03	4.86E-03	2.40E-03	2.34E-03	4.74E-03	2.37E-03	2.31E-03	4.68E-03
479 490013.71, 3861000.05	0.0629	0.06073	9.56E-03	9.62E-03	9.00E-03	9.22E-03	8.70E-03	2.53E-03	2.44E-03	4.98E-03	2.47E-03	2.38E-03	4.85E-03	2.44E-03	2.35E-03	4.79E-03
480 490063.71, 3861000.05	0.06429	0.06178	9.77E-03	9.78E-03	9.20E-03	9.43E-03	8.89E-03	2.59E-03	2.49E-03	5.07E-03	2.52E-03	2.43E-03	4.95E-03	2.49E-03	2.39E-03	4.89E-03
481 489513.71, 3861050.05	0.05273	0.05229	8.01E-03	8.28E-03	7.55E-03	7.73E-03	7.29E-03	2.12E-03	2.10E-03	4.23E-03	2.07E-03	2.05E-03	4.12E-03	2.04E-03	2.03E-03	4.07E-03
482 489563.71, 3861050.05	0.05358	0.0528	8.14E-03	8.36E-03	7.67E-03	7.86E-03	7.41E-03	2.16E-03	2.12E-03	4.28E-03	2.10E-03	2.07E-03	4.18E-03	2.08E-03	2.05E-03	4.12E-03
483 489613.71, 3861050.05	0.05465	0.05346	8.30E-03	8.46E-03	7.82E-03	8.01E-03	7.56E-03	2.20E-03	2.15E-03	4.35E-03	2.15E-03	2.10E-03	4.25E-03	2.12E-03	2.07E-03	4.19E-03
484 489663.71, 3861050.05	0.05563	0.05398	8.45E-03	8.55E-03	7.96E-03	8.16E-03	7.69E-03	2.24E-03	2.17E-03	4.41E-03	2.18E-03	2.12E-03	4.30E-03	2.16E-03	2.09E-03	4.25E-03
485 489713.71, 3861050.05	0.05644	0.05457	8.58E-03	8.64E-03	8.08E-03	8.28E-03	7.81E-03	2.27E-03	2.20E-03	4.47E-03	2.22E-03	2.14E-03	4.36E-03	2.19E-03	2.11E-03	4.30E-03
486 489763.71, 3861050.05	0.05682	0.05545	8.63E-03	8.78E-03	8.13E-03	8.33E-03	7.86E-03	2.29E-03	2.23E-03	4.52E-03	2.23E-03	2.18E-03	4.41E-03	2.20E-03	2.15E-03	4.35E-03
487 489813.71, 3861050.05	0.05741	0.05633	8.72E-03	8.92E-03	8.22E-03	8.42E-03	7.94E-03	2.31E-03	2.27E-03	4.58E-03	2.25E-03	2.21E-03	4.47E-03	2.22E-03	2.18E-03	4.41E-03
488 489863.71, 3861050.05	0.05777	0.05707	8.78E-03	9.04E-03	8.27E-03	8.47E-03	7.99E-03	2.32E-03	2.30E-03	4.62E-03	2.27E-03	2.24E-03	4.51E-03	2.24E-03	2.21E-03	4.45E-03
489 489913.71, 3861050.05	0.05826	0.05765	8.85E-03	9.13E-03	8.34E-03	8.54E-03	8.06E-03	2.34E-03	2.32E-03	4.66E-03	2.29E-03	2.26E-03	4.55E-03	2.26E-03	2.23E-03	4.49E-03
490 489963.71, 3861050.05	0.05877	0.05838	8.93E-03	9.24E-03	8.41E-03	8.62E-03	8.13E-03	2.37E-03	2.35E-03	4.71E-03	2.31E-03	2.29E-03	4.60E-03	2.28E-03	2.26E-03	4.54E-03
491 490013.71, 3861050.05	0.05984	0.05924	9.09E-03	9.38E-03	8.57E-03	8.77E-03	8.28E-03	2.41E-03	2.38E-03	4.79E-03	2.35E-03	2.33E-03	4.68E-03	2.32E-03	2.30E-03	4.61E-03
492 490063.71, 3861050.05	0.06102	0.06008	9.27E-03	9.51E-03	8.74E-03	8.95E-03	8.44E-03	2.46E-03	2.42E-03	4.87E-03	2.40E-03	2.36E-03	4.76E-03	2.36E-03	2.33E-03	4.69E-03
493 489513.71, 3861100.05	0.05148	0.05138	7.82E-03	8.14E-03	7.37E-03	7.55E-03	7.12E-03	2.07E-03	2.07E-03	4.14E-03	2.02E-03	2.02E-03	4.04E-03	1.99E-03	1.99E-03	3.99E-03
494 489563.71, 3861100.05	0.05224	0.05207	7.94E-03	8.24E-03	7.48E-03	7.66E-03	7.23E-03	2.10E-03	2.10E-03	4.20E-03	2.05E-03	2.04E-03	4.10E-03	2.02E-03	2.02E-03	4.04E-03
495 489613.71, 3861100.05	0.05302	0.05251	8.06E-03	8.31E-03	7.59E-03	7.77E-03	7.33E-03	2.13E-03	2.11E-03	4.25E-03	2.08E-03	2.06E-03	4.14E-03	2.05E-03	2.03E-03	4.09E-03
496 489663.71, 3861100.05	0.05402	0.05309	8.21E-03	8.41E-03	7.73E-03	7.92E-03	7.47E-03	2.17E-03	2.14E-03	4.31E-03	2.12E-03	2.08E-03	4.21E-03	2.09E-03	2.06E-03	4.15E-03
497 489713.71, 3861100.05	0.05506	0.05367	8.37E-03	8.50E-03	7.88E-03	8.07E-03	7.62E-03	2.22E-03	2.16E-03	4.38E-03	2.16E-03	2.11E-03	4.27E-03	2.13E-03	2.08E-03	4.21E-03
498 489763.71, 3861100.05	0.05586	0.05429	8.49E-03	8.60E-03	8.00E-03	8.19E-03	7.73E-03	2.25E-03	2.18E-03	4.43E-03	2.19E-03	2.13E-03	4.33E-03	2.16E-03	2.10E-03	4.27E-03
499 489813.71, 3861100.05	0.05625	0.05514	8.55E-03	8.73E-03	8.05E-03	8.25E-03	7.78E-03	2.26E-03	2.22E-03	4.48E-03	2.21E-03	2.17E-03	4.37E-03	2.18E-03	2.14E-03	4.32E-03
500 489863.71, 3861100.05	0.05692	0.05607	8.65E-03	8.88E-03	8.15E-03	8.35E-03	7.87E-03	2.29E-03	2.26E-03	4.55E-03	2.24E-03	2.20E-03	4.44E-03	2.21E-03	2.17E-03	4.38E-03
501 489913.71, 3861100.05	0.05726	0.05669	8.70E-03	8.98E-03	8.20E-03	8.40E-03	7.92E-03	2.30E-03	2.28E-03	4.59E-03	2.25E-03	2.23E-03	4.47E-03	2.22E-03	2.20E-03	4.42E-03
502 489963.71, 3861100.05	0.05776	0.05735	8.78E-03	9.08E-03	8.27E-03	8.47E-03	7.99E-03	2.32E-03	2.31E-03	4.63E-03	2.27E-03	2.25E-03	4.52E-03	2.24E-03	2.22E-03	4.46E-03
503 490013.71, 3861100.05	0.05825	0.05802	8.85E-03	9.19E-03	8.34E-03	8.54E-03	8.06E-03	2.34E-03	2.33E-03	4.68E-03	2.29E-03	2.28E-03	4.57E-03	2.26E-03	2.25E-03	4.51E-03
504 490063.71, 3861100.05	0.05914	0.05878	8.99E-03	9.31E-03	8.47E-03	8.67E-03	8.18E-03	2.38E-03	2.37E-03	4.75E-03	2.32E-03	2.31E-03	4.63E-03	2.29E-03	2.28E-03	4.57E-03
505 489713.71, 3861150.05	0.05364	0.05329	8.15E-03	8.44E-03	7.68E-03	7.87E-03	7.42E-03	2.16E-03	2.14E-03	4.30E-03	2.11E-03	2.09E-03	4.20E-03	2.08E-03	2.06E-03	4.14E-03
506 489763.71, 3861150.05	0.05468	0.05394	8.31E-03	8.54E-03	7.83E-03	8.02E-03	7.56E-03	2.20E-03	2.17E-03	4.37E-03	2.15E-03	2.12E-03	4.27E-03	2.12E-03	2.09E-03	4.21E-03
507 489813.71, 3861150.05	0.05543	0.05451	8.42E-03	8.63E-03	7.94E-03	8.13E-03	7.67E-03	2.23E-03	2.19E-03	4.42E-03	2.18E-03	2.14E-03	4.32E-03	2.15E-03	2.11E-03	4.26E-03
508 489863.71, 3861150.05	0.05572	0.05535	8.47E-03	8.76E-03	7.98E-03	8.17E-03	7.71E-03	2.24E-03	2.23E-03	4.47E-03	2.19E-03	2.17E-03	4.36E-03	2.16E-03	2.14E-03	4.30E-03
509 489913.71, 3861150.05	0.05631	0.05609	8.56E-03	8.88E-03	8.06E-03	8.26E-03	7.79E-03	2.27E-03	2.26E-03	4.52E-03	2.21E-03	2.20E-03	4.41E-03	2.18E-03	2.17E-03	4.36E-03
510 489963.71, 3861150.05	0.05674	0.05669	8.62E-03	8.98E-03	8.12E-03	8.32E-03	7.85E-03	2.28E-03	2.28E-03	4.56E-03	2.23E-03	2.23E-03	4.45E-03	2.20E-03	2.20E-03	4.40E-03
511 490013.71, 3861150.05	0.05723	0.05733	8.70E-03	9.08E-03	8.19E-03	8.39E-03	7.92E-03	2.30E-03	2.31E-03	4.61E-03	2.25E-03	2.25E-03	4.50E-03	2.22E-03	2.22E-03	4.44E-03
512 490063.71, 3861150.05	0.05782	0.05807	8.79E-03	9.19E-03	8.28E-03	8.48E-03	8.00E-03	2.33E-03	2.34E-03	4.66E-03	2.27E-03	2.28E-03	4.55E-03	2.24E-03	2.25E-03	4.49E-03
513 489613.71, 3861200.05	0.05098	0.05139	7.75E-03	8.14E-03	7.30E-03	7.48E-03	7.05E-03	2.05E-03	2.07E-03	4.12E-03	2.00E-03	2.02E-03	4.02E-03	1.98E-03	1.99E-03	3.97E-03
514 489663.71, 3861200.05	0.0514	0.05212	7.81E-03	8.25E-03	7.36E-03	7.54E-03	7.11E-03	2.07E-03	2.10E-03	4.17E-03	2.02E-03	2.05E-03	4.07E-03	1.99E-03	2.02E-03	4.01E-03
515 489713.71, 3861200.05	0.05202	0.0528	7.90E-03	8.36E-03	7.45E-03	7.63E-03	7.19E-03	2.09E-03	2.12E-03	4.22E-03	2.04E-03	2.07E-03	4.12E-03	2.02E-03	2.05E-03	4.06E-03
516 489763.71, 3861200.05	0.05299	0.05344	8.05E-03	8.46E-03	7.59E-03	7.77E-03	7.33E-03	2.13E-03	2.15E-03	4.28E-03	2.08E-03	2.10E-03	4.18E-03	2.05E-03	2.07E-03	4.12E-03
517 489813.71, 3861200.05	0.05401	0.05403	8.21E-03	8.55E-03	7.73E-03	7.92E-03	7.47E-03	2.17E-03	2.17E-03	4.35E-03	2.12E-03	2.12E-03	4.24E-03	2.09E-03	2.09E-03	4.19E-03
518 489863.71, 3861200.05	0.05474	0.05465	8.32E-03	8.65E-03	7.84E-03	8.03E-03	7.57E-03	2.20E-03	2.20E-03	4.40E-03	2.15E-03	2.15E-03	4.30E-03	2.12E-03	2.12E-03	4.24E-03
519 489913.71, 3861200.05	0.05539	0.05576	8.42E-03	8.83E-03	7.93E-03	8.12E-03	7.66E-03	2.23E-03	2.24E-03	4.47E-03	2.18E-03	2.19E-03	4.36E-03	2.15E-03	2.16E-03	4.31E-03
520 489963.71, 3861200.05	0.05592	0.05635	8.50E-03	8.92E-03	8.01E-03	8.20E-03	7.73E-03	2.25E-03	2.27E-03	4.52E-03	2.20E-03	2.21E-03	4.41E-03	2.17E-03	2.18E-03	4.35E-03
521 490013.71, 3861200.05	0.05644	0.05697	8.58E-03	9.02E-03	8.08E-03	8.28E-03	7.81E-03	2.27E-03	2.29E-03	4.56E-03	2.22E-03	2.24E-03	4.45E-03	2.19E-03	2.21E-03	4.39E-03
522 490063.71, 3861200.05	0.05697	0.05764	8.66E-03	9.13E-03	8.16E-03	8.35E-03	7.88E-03	2.29E-03	2.32E-03	4.61E-03	2.24E-03	2.26E-03	4.50E-03	2.21E-03	2.23E-03	4.44E-03
523 489513.71, 3861250.05	0.0501	0.04964	7.61E-03	7.86E-03	7.17E-03	7.35E-03	6.93E-03	2.02E-03	2.00E-03	4.01E-03	1.97E-03	1.95E-03	3.92E-03	1.94E-03	1.92E-03	3.86E-03
524 489563.71, 3861250.05	0.05056	0.05038	7.68E-03	7.98E-03	7.24E-03	7.41E-03	6.99E-03	2.03E-03	2.03E-03	4.06E-03	1.99E-03	1.98E-03	3.96E-03	1.96E-03	1.95E-03	3.91E-03

525 489613.71, 3861250.05	0.051	0.0511	7.75E-03	8.09E-03	7.30E-03	7.48E-03	7.05E-03	2.05E-03	2.06E-03	4.11E-03	2.00E-03	2.01E-03	4.01E-03	1.98E-03	1.98E-03	3.96E-03
526 489663.71, 3861250.05	0.05141	0.05181	7.81E-03	8.20E-03	7.36E-03	7.54E-03	7.11E-03	2.07E-03	2.08E-03	4.15E-03	2.02E-03	2.03E-03	4.05E-03	1.99E-03	2.01E-03	4.00E-03
527 489713.71, 3861250.05	0.05185	0.05254	7.88E-03	8.32E-03	7.42E-03	7.60E-03	7.17E-03	2.09E-03	2.11E-03	4.20E-03	2.04E-03	2.06E-03	4.10E-03	2.01E-03	2.04E-03	4.04E-03
528 489763.71, 3861250.05	0.0523	0.05327	7.95E-03	8.43E-03	7.49E-03	7.67E-03	7.23E-03	2.10E-03	2.14E-03	4.25E-03	2.05E-03	2.09E-03	4.15E-03	2.03E-03	2.06E-03	4.09E-03
529 489813.71, 3861250.05	0.05274	0.05387	8.01E-03	8.53E-03	7.55E-03	7.73E-03	7.29E-03	2.12E-03	2.17E-03	4.29E-03	2.07E-03	2.12E-03	4.19E-03	2.04E-03	2.09E-03	4.13E-03
530 489863.71, 3861250.05	0.05365	0.05439	8.15E-03	8.61E-03	7.68E-03	7.87E-03	7.42E-03	2.16E-03	2.19E-03	4.35E-03	2.11E-03	2.14E-03	4.24E-03	2.08E-03	2.11E-03	4.19E-03
531 489913.71, 3861250.05	0.05437	0.05505	8.26E-03	8.72E-03	7.78E-03	7.97E-03	7.52E-03	2.19E-03	2.22E-03	4.40E-03	2.14E-03	2.16E-03	4.30E-03	2.11E-03	2.13E-03	4.24E-03
532 489963.71, 3861250.05	0.05479	0.0558	8.33E-03	8.83E-03	7.84E-03	8.03E-03	7.58E-03	2.20E-03	2.25E-03	4.45E-03	2.15E-03	2.19E-03	4.34E-03	2.12E-03	2.16E-03	4.29E-03
533 490013.71, 3861250.05	0.05533	0.05641	8.41E-03	8.93E-03	7.92E-03	8.11E-03	7.65E-03	2.23E-03	2.27E-03	4.50E-03	2.17E-03	2.22E-03	4.39E-03	2.14E-03	2.19E-03	4.33E-03
534 490063.71, 3861250.05	0.05583	0.05703	8.48E-03	9.03E-03	7.99E-03	8.19E-03	7.72E-03	2.25E-03	2.30E-03	4.54E-03	2.19E-03	2.24E-03	4.43E-03	2.16E-03	2.21E-03	4.37E-03
535 489528.13, 3861308.47	0.04992	0.04956	7.59E-03	7.85E-03	7.15E-03	7.32E-03	6.90E-03	2.01E-03	1.99E-03	4.00E-03	1.96E-03	1.95E-03	3.91E-03	1.93E-03	1.92E-03	3.85E-03
536 489578.13, 3861308.47	0.05065	0.05027	7.70E-03	7.96E-03	7.25E-03	7.43E-03	7.01E-03	2.04E-03	2.02E-03	4.06E-03	1.99E-03	1.97E-03	3.96E-03	1.96E-03	1.95E-03	3.91E-03
537 489628.13, 3861308.47	0.0511	0.051	7.76E-03	8.07E-03	7.32E-03	7.49E-03	7.07E-03	2.06E-03	2.05E-03	4.11E-03	2.01E-03	2.00E-03	4.01E-03	1.98E-03	1.98E-03	3.96E-03
538 489678.13, 3861308.47	0.05152	0.05173	7.83E-03	8.19E-03	7.38E-03	7.55E-03	7.13E-03	2.07E-03	2.08E-03	4.16E-03	2.02E-03	2.03E-03	4.05E-03	2.00E-03	2.00E-03	4.00E-03
539 489728.13, 3861308.47	0.05197	0.05245	7.90E-03	8.30E-03	7.44E-03	7.62E-03	7.19E-03	2.09E-03	2.11E-03	4.20E-03	2.04E-03	2.06E-03	4.10E-03	2.01E-03	2.03E-03	4.05E-03
540 489778.13, 3861308.47	0.05237	0.05318	7.96E-03	8.42E-03	7.50E-03	7.68E-03	7.24E-03	2.11E-03	2.14E-03	4.25E-03	2.06E-03	2.09E-03	4.14E-03	2.03E-03	2.06E-03	4.09E-03
541 489678.13, 3861358.47	0.05096	0.05094	7.74E-03	8.07E-03	7.30E-03	7.47E-03	7.05E-03	2.05E-03	2.05E-03	4.10E-03	2.00E-03	2.00E-03	4.00E-03	1.97E-03	1.97E-03	3.95E-03
542 489728.13, 3861358.47	0.05135	0.05162	7.80E-03	8.17E-03	7.35E-03	7.53E-03	7.10E-03	2.07E-03	2.08E-03	4.14E-03	2.02E-03	2.03E-03	4.04E-03	1.99E-03	2.00E-03	3.99E-03
543 489528.13, 3861408.47	0.04821	0.04814	7.33E-03	7.62E-03	6.90E-03	7.07E-03	6.67E-03	1.94E-03	1.94E-03	3.88E-03	1.89E-03	1.89E-03	3.78E-03	1.87E-03	1.87E-03	3.73E-03
544 489578.13, 3861408.47	0.0489	0.04879	7.43E-03	7.73E-03	7.00E-03	7.17E-03	6.76E-03	1.97E-03	1.96E-03	3.93E-03	1.92E-03	1.92E-03	3.84E-03	1.89E-03	1.89E-03	3.79E-03
545 489628.13, 3861408.47	0.04962	0.04953	7.54E-03	7.84E-03	7.10E-03	7.28E-03	6.86E-03	2.00E-03	1.99E-03	3.99E-03	1.95E-03	1.95E-03	3.89E-03	1.92E-03	1.92E-03	3.84E-03
546 489678.13, 3861408.47	0.05033	0.05023	7.65E-03	7.95E-03	7.21E-03	7.38E-03	6.96E-03	2.03E-03	2.02E-03	4.05E-03	1.98E-03	1.97E-03	3.95E-03	1.95E-03	1.95E-03	3.90E-03
547 489728.13, 3861408.47	0.05085	0.05092	7.73E-03	8.06E-03	7.28E-03	7.46E-03	7.03E-03	2.05E-03	2.05E-03	4.10E-03	2.00E-03	2.00E-03	4.00E-03	1.97E-03	1.97E-03	3.94E-03
548 489528.13, 3861458.47	0.04756	0.04756	7.23E-03	7.53E-03	6.81E-03	6.97E-03	6.58E-03	1.91E-03	1.91E-03	3.83E-03	1.87E-03	1.87E-03	3.74E-03	1.84E-03	1.84E-03	3.69E-03
549 489578.13, 3861458.47	0.04817	0.04811	7.32E-03	7.62E-03	6.90E-03	7.06E-03	6.66E-03	1.94E-03	1.94E-03	3.87E-03	1.89E-03	1.89E-03	3.78E-03	1.87E-03	1.86E-03	3.73E-03
550 489628.13, 3861458.47	0.04884	0.04883	7.42E-03	7.73E-03	6.99E-03	7.16E-03	6.75E-03	1.97E-03	1.97E-03	3.93E-03	1.92E-03	1.92E-03	3.84E-03	1.89E-03	1.89E-03	3.78E-03
551 489678.13, 3861458.47	0.04956	0.04956	7.53E-03	7.85E-03	7.09E-03	7.27E-03	6.85E-03	1.99E-03	1.99E-03	3.99E-03	1.95E-03	1.95E-03	3.89E-03	1.92E-03	1.92E-03	3.84E-03
552 489728.13, 3861458.47	0.05029	0.05031	7.64E-03	7.97E-03	7.20E-03	7.37E-03	6.96E-03	2.02E-03	2.02E-03	4.05E-03	1.97E-03	1.98E-03	3.95E-03	1.95E-03	1.95E-03	3.90E-03
553 489528.13, 3861508.47	0.04741	0.04716	7.20E-03	7.47E-03	6.79E-03	6.95E-03	6.56E-03	1.91E-03	1.90E-03	3.81E-03	1.86E-03	1.85E-03	3.71E-03	1.84E-03	1.83E-03	3.66E-03
554 489578.13, 3861508.47	0.04761	0.0477	7.23E-03	7.55E-03	6.82E-03	6.98E-03	6.58E-03	1.92E-03	1.92E-03	3.84E-03	1.87E-03	1.87E-03	3.74E-03	1.84E-03	1.85E-03	3.69E-03
555 489628.13, 3861508.47	0.04827	0.0483	7.33E-03	7.65E-03	6.91E-03	7.08E-03	6.68E-03	1.94E-03	1.94E-03	3.89E-03	1.90E-03	1.90E-03	3.79E-03	1.87E-03	1.87E-03	3.74E-03
556 489678.13, 3861508.47	0.04895	0.04904	7.44E-03	7.76E-03	7.01E-03	7.18E-03	6.77E-03	1.97E-03	1.97E-03	3.94E-03	1.92E-03	1.93E-03	3.85E-03	1.90E-03	1.90E-03	3.80E-03
557 489728.13, 3861508.47	0.04967	0.04977	7.55E-03	7.88E-03	7.11E-03	7.28E-03	6.87E-03	2.00E-03	2.00E-03	4.00E-03	1.95E-03	1.95E-03	3.90E-03	1.92E-03	1.93E-03	3.85E-03
558 489628.13, 3861558.47	0.04789	0.048	7.28E-03	7.60E-03	6.86E-03	7.02E-03	6.62E-03	1.93E-03	1.93E-03	3.86E-03	1.88E-03	1.88E-03	3.77E-03	1.86E-03	1.86E-03	3.72E-03
559 489678.13, 3861558.47	0.04858	0.04871	7.38E-03	7.71E-03	6.95E-03	7.12E-03	6.72E-03	1.96E-03	1.96E-03	3.92E-03	1.91E-03	1.91E-03	3.82E-03	1.88E-03	1.89E-03	3.77E-03
560 489728.13, 3861558.47	0.04927	0.04945	7.49E-03	7.83E-03	7.05E-03	7.22E-03	6.81E-03	1.98E-03	1.99E-03	3.97E-03	1.93E-03	1.94E-03	3.88E-03	1.91E-03	1.92E-03	3.83E-03
561 489357.08, 3861015.81	0.05124	0.0507	7.79E-03	8.03E-03	7.34E-03	7.51E-03	7.09E-03	2.06E-03	2.04E-03	4.10E-03	2.01E-03	1.99E-03	4.00E-03	1.99E-03	1.96E-03	3.95E-03
562 489407.08, 3861015.81	0.05176	0.05133	7.87E-03	8.13E-03	7.41E-03	7.59E-03	7.16E-03	2.08E-03	2.07E-03	4.15E-03	2.03E-03	2.02E-03	4.05E-03	2.01E-03	1.99E-03	3.99E-03
563 489457.08, 3861015.81	0.0526	0.05208	7.99E-03	8.25E-03	7.53E-03	7.71E-03	7.27E-03	2.12E-03	2.10E-03	4.21E-03	2.07E-03	2.05E-03	4.11E-03	2.04E-03	2.02E-03	4.06E-03
564 489357.08, 3861065.81	0.05031	0.04983	7.64E-03	7.89E-03	7.20E-03	7.38E-03	6.96E-03	2.02E-03	2.01E-03	4.03E-03	1.98E-03	1.96E-03	3.93E-03	1.95E-03	1.93E-03	3.88E-03
565 489407.08, 3861065.81	0.05079	0.05041	7.72E-03	7.98E-03	7.27E-03	7.45E-03	7.02E-03	2.04E-03	2.03E-03	4.07E-03	1.99E-03	1.98E-03	3.97E-03	1.97E-03	1.95E-03	3.92E-03
566 489457.08, 3861065.81	0.05133	0.05113	7.80E-03	8.10E-03	7.35E-03	7.53E-03	7.10E-03	2.07E-03	2.06E-03	4.12E-03	2.02E-03	2.01E-03	4.02E-03	1.99E-03	1.98E-03	3.97E-03
567 489357.08, 3861115.81	0.04963	0.04877	7.54E-03	7.72E-03	7.11E-03	7.28E-03	6.86E-03	2.00E-03	1.96E-03	3.96E-03	1.95E-03	1.92E-03	3.86E-03	1.92E-03	1.89E-03	3.81E-03
568 489407.08, 3861115.81	0.04997	0.04939	7.59E-03	7.82E-03	7.15E-03	7.33E-03	6.91E-03	2.01E-03	1.99E-03	4.00E-03	1.96E-03	1.94E-03	3.90E-03	1.94E-03	1.91E-03	3.85E-03
569 489457.08, 3861115.81	0.05058	0.05028	7.69E-03	7.96E-03	7.24E-03	7.42E-03	7.00E-03	2.04E-03	2.02E-03	4.06E-03	1.99E-03	1.97E-03	3.96E-03	1.96E-03	1.95E-03	3.91E-03
570 489407.08, 3861165.81	0.04973	0.04899	7.56E-03	7.76E-03	7.12E-03	7.29E-03	6.88E-03	2.00E-03	1.97E-03	3.97E-03	1.95E-03	1.92E-03	3.88E-03	1.93E-03	1.90E-03	3.83E-03
571 489457.08, 3861165.81	0.0501	0.04963	7.61E-03	7.86E-03	7.17E-03	7.35E-03	6.93E-03	2.02E-03	2.00E-03	4.01E-03	1.97E-03	1.95E-03	3.92E-03	1.94E-03	1.92E-03	3.86E-03
572 489407.08, 3861215.81	0.04907	0.04854	7.46E-03	7.69E-03	7.02E-03	7.20E-03	6.79E-03	1.97E-03	1.95E-03	3.93E-03	1.93E-03	1.91E-03	3.83E-03	1.90E-03	1.88E-03	3.78E-03
573 489457.08, 3861215.81	0.04973	0.04915	7.56E-03	7.78E-03	7.12E-03	7.29E-03	6.88E-03	2.00E-03	1.98E-03	3.98E-03	1.95E-03	1.93E-03	3.88E-03	1.93E-03	1.90E-03	3.83E-03
574 489407.08, 3861265.81	0.04855	0.04819	7.38E-03	7.63E-03	6.95E-03	7.12E-03	6.71E-03	1.95E-03	1.94E-03	3.89E-03	1.91E-03	1.89E-03	3.80E-03	1.88E-03	1.87E-03	3.75E-03
575 489457.08, 3861265.81	0.04924	0.04876	7.48E-03	7.72E-03	7.05E-03	7.22E-03	6.81E-03	1.98E-03	1.96E-03	3.94E-03	1.93E-03	1.91E-03	3.85E-03	1.91E-03	1.89E-03	3.80E-03
576 489309.86, 3861110.14	0.04909	0.04833	7.46E-03	7.65E-03	7.03E-03	7.20E-03	6.79E-03	1.98E-03	1.94E-03	3.92E-03	1.93E-03	1.90E-03	3.83E-03	1.90E-03	1.87E-03	3.77E-03
577 489407.08, 3861315.81	0.04828	0.04807	7.34E-03	7.61E-03	6.91E-03	7.08E-03	6.68E-03	1.94E-03	1.93E-03	3.88E-03	1.90E-03	1.89E-03	3.78E-03	1.87E-03	1.86E-03	3.73E-03
578 489457.08, 3861315.81	0.04892	0.04861	7.43E-03	7.70E-03	7.00E-03	7.17E-03	6.77E-03	1.97E-03	1.96E-03	3.92E-03	1.92E-03	1.91E-03	3.83E-03	1.90E-03	1.88E-03	3.78E-03
579 488906.03, 3861006.75	0.04768	0.04649	7.25E-03	7.36E-03	6.83E-03	6.99E-03	6.59E-03	1.92E-03	1.87E-03	3.79E-03	1.87E-03	1.83E-03	3.70E-03	1.85E-03	1.80E-03	3.65E-03
580 488956.03, 3861006.75	0.04835	0.04708	7.35E-03	7.45E-03	6.92E-03	7.09E-03	6.69E-03	1.95E-03	1.89E-03	3.84E-03	1.90E-03	1.85E-03	3.75E-03	1.87E-03	1.82E-03	3.70E-03
581 488904.24, 3861051.87	0.04743	0.04582	7.21E-03	7.25E-03	6.79E-03	6.95E-03	6.56E-03	1.91E-03	1.84E-03	3.75E-03	1.86E-03	1.80E-03	3.66E-03	1.84E-03	1.78E-03	3.61E-03
582 488954.24, 3861051.87	0.04785	0.04617	7.27E-03	7.31E-03	6.85E-03	7.02E-03	6.62E-03	1.93E-03	1.86E-03	3.78E-03	1.88E-03	1.81E-03	3.69E-03	1.85E-03	1.79E-03	3.64E-03
583 489004.24, 3861051.87	0.04856	0.04683	7.38E-03	7.41E-03	6.95E-03	7.12E-03	6.72E-03	1.95E-03	1.88E-03	3.84E-03	1.91E-03	1.84E-03	3.75E-03	1.88E-03	1.81E-03	3.70E-03
584 488804.24, 3861101.87	0.04607	0.04427	7.00E-03	7.01E-03	6.60E-03	6.76E-03	6.37E-03	1.85E-03	1.78E-03	3.64E-03	1.81E-03	1.74E-03	3.55E-03	1.79E-03	1.72E-03	3.50E-03
585 488854.24, 3861101.87	0.04663	0.04482	7.09E-03	7.10E-03	6.68E-03	6.84E-03	6.45E-03	1.88E-03	1.80E-03	3.68E-03	1.83E-03	1.76E-03	3.59E-03	1.81E-03	1.74E-03	3.54E-03
586 488904.24, 3861101.87	0.0465	0.04468	7.07E-03	7.07E-03	6.66E-03	6.82E-03	6.43E-03	1.87E-03	1.80E-03	3.67E-03	1.83E-03	1.75E-03	3.58E-03	1.80E-03	1.73E-03	3.53E-03
587 488954.24, 3861101.87	0.04699	0.04502	7.14E-03	7.13E-03	6.73E-03	6.89E-03	6.50E-03	1.89E-03	1.81E-03	3.70E-03	1.85E-03	1.77E-03	3.61E-03	1.82E-03	1.74E-03	3.57E-03
588 489004.24, 3861101.87	0.04758	0.0455	7.23E-03	7.20E-03	6.81E-03	6.98E-03	6.58E-03	1.91E-03	1.83E-03	3.75E-03	1.87E-03	1.79E-03	3.66E-03	1.84E-03	1.76E-03	3.61E-03
589 488804.24, 3861151.87	0.04546	0.0435	6.91E-03	6.89E-03	6.51E-03	6.67E-03	6.29E-03	1.83E-03	1.75E-03	3.58E-03	1.79E-03	1.71E-03	3.49E-03	1.76E-03	1.69E-03	3.45E-03
590 488854.24, 3861151.87	0.04567	0.04383	6.94E-03	6.94E-03	6.54E-03	6.70E-03	6.32E-03	1.84E-03	1.76E-03	3.60E-03	1.79E-03	1.72E-03	3.51E-03	1.77E-03	1.70E-03	3.47E-03

591 489129.49, 3861187.55	0.04775	0.04621	7.26E-03	7.32E-03	6.84E-03	7.00E-03	6.60E-03	1.92E-03	1.86E-03	3.78E-03	1.88E-03	1.81E-03	3.69E-03	1.85E-03	1.79E-03	3.64E-03
592 489179.49, 3861187.55	0.04783	0.04669	7.27E-03	7.39E-03	6.85E-03	7.01E-03	6.62E-03	1.92E-03	1.88E-03	3.80E-03	1.88E-03	1.83E-03	3.71E-03	1.85E-03	1.81E-03	3.66E-03
593 488804.24, 3861201.87	0.04541	0.04336	6.90E-03	6.87E-03	6.50E-03	6.66E-03	6.28E-03	1.83E-03	1.74E-03	3.57E-03	1.78E-03	1.70E-03	3.49E-03	1.76E-03	1.68E-03	3.44E-03
594 488854.24, 3861201.87	0.04555	0.04361	6.92E-03	6.90E-03	6.52E-03	6.68E-03	6.30E-03	1.83E-03	1.76E-03	3.59E-03	1.79E-03	1.71E-03	3.50E-03	1.76E-03	1.69E-03	3.45E-03
595 489129.49, 3861237.55	0.04771	0.04608	7.25E-03	7.30E-03	6.83E-03	7.00E-03	6.60E-03	1.92E-03	1.85E-03	3.77E-03	1.87E-03	1.81E-03	3.68E-03	1.85E-03	1.79E-03	3.63E-03
596 489179.49, 3861237.55	0.04785	0.04646	7.27E-03	7.36E-03	6.85E-03	7.02E-03	6.62E-03	1.93E-03	1.87E-03	3.80E-03	1.88E-03	1.82E-03	3.70E-03	1.85E-03	1.80E-03	3.65E-03
597 488804.24, 3861251.87	0.04529	0.04327	6.88E-03	6.85E-03	6.48E-03	6.64E-03	6.26E-03	1.82E-03	1.74E-03	3.56E-03	1.78E-03	1.70E-03	3.48E-03	1.75E-03	1.68E-03	3.43E-03
598 488854.24, 3861251.87	0.04547	0.04354	6.91E-03	6.89E-03	6.51E-03	6.67E-03	6.29E-03	1.83E-03	1.75E-03	3.58E-03	1.79E-03	1.71E-03	3.50E-03	1.76E-03	1.69E-03	3.45E-03
599 488804.24, 3861301.87	0.0449	0.04312	6.82E-03	6.83E-03	6.43E-03	6.58E-03	6.21E-03	1.81E-03	1.74E-03	3.54E-03	1.76E-03	1.69E-03	3.46E-03	1.74E-03	1.67E-03	3.41E-03
600 488854.24, 3861301.87	0.04519	0.04347	6.87E-03	6.88E-03	6.47E-03	6.63E-03	6.25E-03	1.82E-03	1.75E-03	3.57E-03	1.77E-03	1.71E-03	3.48E-03	1.75E-03	1.68E-03	3.44E-03
601 490943.5, 3860181.97	0.22446	0.23082	3.41E-02	3.65E-02	3.21E-02	3.29E-02	3.10E-02	9.03E-03	9.29E-03	1.83E-02	8.81E-03	9.06E-03	1.79E-02	8.70E-03	8.94E-03	1.76E-02
602 490993.5, 3860181.97	0.24536	0.25163	3.73E-02	3.98E-02	3.51E-02	3.60E-02	3.39E-02	9.87E-03	1.01E-02	2.00E-02	9.64E-03	9.88E-03	1.95E-02	9.51E-03	9.75E-03	1.93E-02
603 491043.5, 3860181.97	0.28121	0.28364	4.27E-02	4.49E-02	4.03E-02	4.12E-02	3.89E-02	1.13E-02	1.14E-02	2.27E-02	1.10E-02	1.11E-02	2.22E-02	1.09E-02	1.10E-02	2.19E-02
604 491093.5, 3860181.97	0.31587	0.317	4.80E-02	5.02E-02	4.52E-02	4.63E-02	4.37E-02	1.27E-02	1.28E-02	2.55E-02	1.24E-02	1.24E-02	2.49E-02	1.22E-02	1.23E-02	2.45E-02
605 490943.5, 3860231.97	0.20199	0.19821	3.07E-02	3.14E-02	2.89E-02	2.96E-02	2.79E-02	8.13E-03	7.98E-03	1.61E-02	7.93E-03	7.78E-03	1.57E-02	7.83E-03	7.68E-03	1.55E-02
606 490993.5, 3860231.97	0.21845	0.2257	3.32E-02	3.57E-02	3.13E-02	3.20E-02	3.02E-02	8.79E-03	9.08E-03	1.79E-02	8.58E-03	8.86E-03	1.74E-02	8.46E-03	8.75E-03	1.72E-02
607 491043.5, 3860231.97	0.23744	0.24464	3.61E-02	3.87E-02	3.40E-02	3.48E-02	3.28E-02	9.56E-03	9.85E-03	1.94E-02	9.32E-03	9.61E-03	1.89E-02	9.20E-03	9.48E-03	1.87E-02
608 491093.5, 3860231.97	0.26783	0.269	4.07E-02	4.26E-02	3.83E-02	3.93E-02	3.70E-02	1.08E-02	1.08E-02	2.16E-02	1.05E-02	1.06E-02	2.11E-02	1.04E-02	1.04E-02	2.08E-02
609 490943.5, 3860281.97	0.18691	0.17939	2.84E-02	2.84E-02	2.68E-02	2.74E-02	2.59E-02	7.52E-03	7.22E-03	1.47E-02	7.34E-03	7.04E-03	1.44E-02	7.24E-03	6.95E-03	1.42E-02
610 490993.5, 3860281.97	0.19685	0.19153	2.99E-02	3.03E-02	2.82E-02	2.89E-02	2.72E-02	7.92E-03	7.71E-03	1.56E-02	7.73E-03	7.52E-03	1.53E-02	7.63E-03	7.42E-03	1.50E-02
611 491043.5, 3860281.97	0.21193	0.20788	3.22E-02	3.29E-02	3.03E-02	3.11E-02	2.93E-02	8.53E-03	8.37E-03	1.69E-02	8.32E-03	8.16E-03	1.65E-02	8.21E-03	8.06E-03	1.63E-02
612 491093.5, 3860281.97	0.23058	0.23365	3.50E-02	3.70E-02	3.30E-02	3.38E-02	3.19E-02	9.28E-03	9.40E-03	1.87E-02	9.05E-03	9.18E-03	1.82E-02	8.93E-03	9.05E-03	1.80E-02
613 490943.5, 3860331.97	0.171	0.16632	2.60E-02	2.63E-02	2.45E-02	2.51E-02	2.37E-02	6.88E-03	6.69E-03	1.36E-02	6.72E-03	6.53E-03	1.32E-02	6.63E-03	6.44E-03	1.31E-02
614 490993.5, 3860331.97	0.17938	0.17449	2.73E-02	2.76E-02	2.57E-02	2.63E-02	2.48E-02	7.22E-03	7.02E-03	1.42E-02	7.04E-03	6.85E-03	1.39E-02	6.95E-03	6.76E-03	1.37E-02
615 491043.5, 3860331.97	0.18965	0.18432	2.88E-02	2.92E-02	2.72E-02	2.78E-02	2.62E-02	7.63E-03	7.42E-03	1.50E-02	7.45E-03	7.24E-03	1.47E-02	7.35E-03	7.14E-03	1.45E-02
616 491093.5, 3860331.97	0.20388	0.19811	3.10E-02	3.14E-02	2.92E-02	2.99E-02	2.82E-02	8.20E-03	7.97E-03	1.62E-02	8.01E-03	7.78E-03	1.58E-02	7.90E-03	7.68E-03	1.56E-02
617 490086.72, 3859935.12	0.17604	0.17539	2.67E-02	2.78E-02	2.52E-02	2.58E-02	2.43E-02	7.08E-03	7.06E-03	1.41E-02	6.91E-03	6.89E-03	1.38E-02	6.82E-03	6.80E-03	1.36E-02
618 490136.72, 3859935.12	0.18498	0.1798	2.81E-02	2.85E-02	2.65E-02	2.71E-02	2.56E-02	7.44E-03	7.24E-03	1.47E-02	7.26E-03	7.06E-03	1.43E-02	7.17E-03	6.97E-03	1.41E-02
619 490186.72, 3859935.12	0.19395	0.18804	2.95E-02	2.98E-02	2.78E-02	2.84E-02	2.68E-02	7.81E-03	7.57E-03	1.54E-02	7.62E-03	7.38E-03	1.50E-02	7.52E-03	7.29E-03	1.48E-02
620 490236.72, 3859935.12	0.20627	0.19581	3.13E-02	3.10E-02	2.95E-02	3.02E-02	2.85E-02	8.30E-03	7.88E-03	1.62E-02	8.10E-03	7.69E-03	1.58E-02	7.99E-03	7.59E-03	1.56E-02
621 490286.72, 3859935.12	0.21639	0.20338	3.29E-02	3.22E-02	3.10E-02	3.17E-02	2.99E-02	8.71E-03	8.18E-03	1.69E-02	8.50E-03	7.99E-03	1.65E-02	8.38E-03	7.88E-03	1.63E-02
622 490336.72, 3859935.12	0.224	0.21188	3.40E-02	3.35E-02	3.21E-02	3.28E-02	3.10E-02	9.01E-03	8.53E-03	1.75E-02	8.80E-03	8.32E-03	1.71E-02	8.68E-03	8.21E-03	1.69E-02
623 490386.72, 3859935.12	0.23708	0.22606	3.60E-02	3.58E-02	3.39E-02	3.48E-02	3.28E-02	9.54E-03	9.10E-03	1.86E-02	9.31E-03	8.88E-03	1.82E-02	9.19E-03	8.76E-03	1.79E-02
624 490436.72, 3859935.12	0.24864	0.24076	3.78E-02	3.81E-02	3.56E-02	3.65E-02	3.44E-02	1.00E-02	9.69E-03	1.97E-02	9.76E-03	9.45E-03	1.92E-02	9.63E-03	9.33E-03	1.90E-02
625 490486.72, 3859935.12	0.2602	0.26094	3.95E-02	4.13E-02	3.73E-02	3.82E-02	3.60E-02	1.05E-02	1.05E-02	2.10E-02	1.02E-02	1.02E-02	2.05E-02	1.01E-02	1.01E-02	2.02E-02
626 490536.72, 3859935.12	0.28198	0.28398	4.28E-02	4.50E-02	4.04E-02	4.13E-02	3.90E-02	1.13E-02	1.14E-02	2.28E-02	1.11E-02	1.12E-02	2.22E-02	1.09E-02	1.10E-02	2.19E-02
627 490586.72, 3859935.12	0.31334	0.316	4.76E-02	5.00E-02	4.49E-02	4.59E-02	4.33E-02	1.26E-02	1.27E-02	2.53E-02	1.23E-02	1.24E-02	2.47E-02	1.21E-02	1.22E-02	2.44E-02
628 490636.72, 3859935.12	0.34873	0.35118	5.30E-02	5.56E-02	4.99E-02	5.11E-02	4.82E-02	1.40E-02	1.41E-02	2.82E-02	1.37E-02	1.38E-02	2.75E-02	1.35E-02	1.36E-02	2.71E-02
629 490686.72, 3859935.12	0.41063	0.40522	6.24E-02	6.42E-02	5.88E-02	6.02E-02	5.68E-02	1.65E-02	1.63E-02	3.28E-02	1.61E-02	1.59E-02	3.20E-02	1.59E-02	1.57E-02	3.16E-02
630 490736.72, 3859935.12	0.48885	0.47429	7.43E-02	7.51E-02	7.00E-02	7.17E-02	6.76E-02	1.97E-02	1.91E-02	3.88E-02	1.92E-02	1.86E-02	3.78E-02	1.89E-02	1.84E-02	3.73E-02
631 490086.72, 3859985.12	0.15971	0.15797	2.43E-02	2.50E-02	2.29E-02	2.34E-02	2.21E-02	6.43E-03	6.36E-03	1.28E-02	6.27E-03	6.20E-03	1.25E-02	6.19E-03	6.12E-03	1.23E-02
632 490136.72, 3859985.12	0.16492	0.16371	2.51E-02	2.59E-02	2.36E-02	2.42E-02	2.28E-02	6.64E-03	6.59E-03	1.32E-02	6.48E-03	6.43E-03	1.29E-02	6.39E-03	6.34E-03	1.27E-02
633 490186.72, 3859985.12	0.17346	0.16905	2.64E-02	2.68E-02	2.48E-02	2.54E-02	2.40E-02	6.98E-03	6.80E-03	1.38E-02	6.81E-03	6.64E-03	1.35E-02	6.72E-03	6.55E-03	1.33E-02
634 490236.72, 3859985.12	0.1836	0.17592	2.79E-02	2.79E-02	2.63E-02	2.69E-02	2.54E-02	7.39E-03	7.08E-03	1.45E-02	7.21E-03	6.91E-03	1.41E-02	7.11E-03	6.82E-03	1.39E-02
635 490286.72, 3859985.12	0.19308	0.1812	2.93E-02	2.87E-02	2.76E-02	2.83E-02	2.67E-02	7.77E-03	7.29E-03	1.51E-02	7.58E-03	7.12E-03	1.47E-02	7.48E-03	7.02E-03	1.45E-02
636 490336.72, 3859985.12	0.20585	0.18799	3.13E-02	2.98E-02	2.95E-02	3.02E-02	2.85E-02	8.28E-03	7.57E-03	1.58E-02	8.08E-03	7.38E-03	1.55E-02	7.98E-03	7.28E-03	1.53E-02
637 490386.72, 3859985.12	0.21189	0.1979	3.22E-02	3.13E-02	3.03E-02	3.11E-02	2.93E-02	8.53E-03	7.96E-03	1.65E-02	8.32E-03	7.77E-03	1.61E-02	8.21E-03	7.67E-03	1.59E-02
638 490436.72, 3859985.12	0.21931	0.20829	3.33E-02	3.30E-02	3.14E-02	3.22E-02	3.03E-02	8.83E-03	8.38E-03	1.72E-02	8.61E-03	8.18E-03	1.68E-02	8.50E-03	8.07E-03	1.66E-02
639 490486.72, 3859985.12	0.22938	0.22011	3.49E-02	3.49E-02	3.28E-02	3.36E-02	3.17E-02	9.23E-03	8.86E-03	1.81E-02	9.01E-03	8.64E-03	1.77E-02	8.89E-03	8.53E-03	1.74E-02
640 490536.72, 3859985.12	0.23988	0.23642	3.65E-02	3.74E-02	3.43E-02	3.52E-02	3.32E-02	9.65E-03	9.51E-03	1.92E-02	9.42E-03	9.28E-03	1.87E-02	9.29E-03	9.16E-03	1.85E-02
641 490586.72, 3859985.12	0.25267	0.25579	3.84E-02	4.05E-02	3.62E-02	3.70E-02	3.49E-02	1.02E-02	1.03E-02	2.05E-02	9.92E-03	1.00E-02	2.00E-02	9.79E-03	9.91E-03	1.97E-02
642 490636.72, 3859985.12	0.27355	0.28065	4.16E-02	4.44E-02	3.92E-02	4.01E-02	3.78E-02	1.10E-02	1.13E-02	2.23E-02	1.07E-02	1.10E-02	2.18E-02	1.06E-02	1.09E-02	2.15E-02
643 490686.72, 3859985.12	0.30679	0.31165	4.66E-02	4.93E-02	4.39E-02	4.50E-02	4.24E-02	1.23E-02	1.25E-02	2.49E-02	1.20E-02	1.22E-02	2.43E-02	1.19E-02	1.21E-02	2.40E-02
644 490736.72, 3859985.12	0.34186	0.34059	5.19E-02	5.39E-02	4.89E-02	5.01E-02	4.73E-02	1.38E-02	1.37E-02	2.75E-02	1.34E-02	1.34E-02	2.68E-02	1.32E-02	1.32E-02	2.64E-02
645 490786.72, 3859985.12	0.3866	0.37893	5.87E-02	6.00E-02	5.53E-02	5.67E-02	5.35E-02	1.56E-02	1.52E-02	3.08E-02	1.52E-02	1.49E-02	3.01E-02	1.50E-02	1.47E-02	2.97E-02
646 490086.72, 3860035.12	0.14598	0.14634	2.22E-02	2.32E-02	2.09E-02	2.14E-02	2.02E-02	5.87E-03	5.89E-03	1.18E-02	5.73E-03	5.75E-03	1.15E-02	5.66E-03	5.67E-03	1.13E-02
647 490136.72, 3860035.12	0.1502	0.14822	2.28E-02	2.35E-02	2.15E-02	2.20E-02	2.08E-02	6.04E-03	5.96E-03	1.20E-02	5.90E-03	5.82E-03	1.17E-02	5.82E-03	5.74E-03	1.16E-02
648 490186.72, 3860035.12	0.15506	0.15335	2.36E-02	2.43E-02	2.22E-02	2.27E-02	2.14E-02	6.24E-03	6.17E-03	1.24E-02	6.09E-03	6.02E-03	1.21E-02	6.01E-03	5.94E-03	1.20E-02
649 490236.72, 3860035.12	0.1628	0.1587	2.47E-02	2.51E-02	2.33E-02	2.39E-02	2.25E-02	6.55E-03	6.39E-03	1.29E-02	6.39E-03	6.23E-03	1.26E-02	6.31E-03	6.15E-03	1.25E-02
650 490286.72, 3860035.12	0.17053	0.16296	2.59E-02	2.58E-02	2.44E-02	2.50E-02	2.36E-02	6.86E-03	6.56E-03	1.34E-02	6.70E-03	6.40E-03	1.31E-02	6.61E-03	6.31E-03	1.29E-02
651 490336.72, 3860035.12	0.17807	0.16768	2.71E-02	2.65E-02	2.55E-02	2.61E-02	2.46E-02	7.17E-03	6.75E-03	1.39E-02	6.99E-03	6.58E-03	1.36E-02	6.90E-03	6.50E-03	1.34E-02
652 490386.72, 3860035.12	0.18799	0.17321	2.86E-02	2.74E-02	2.69E-02	2.76E-02	2.60E-02	7.57E-03	6.97E-03	1.45E-02	7.38E-03	6.80E-03	1.42E-02	7.28E-03	6.71E-03	1.40E-02
653 490436.72, 3860035.12	0.19636	0.18094	2.98E-02	2.86E-02	2.81E-02	2.88E-02	2.72E-02	7.90E-03	7.28E-03	1.52E-02	7.71E-03	7.11E-03	1.48E-02	7.61E-03	7.01E-03	1.46E-02
654 490486.72, 3860035.12	0.20349	0.19075	3.09E-02	3.02E-02	2.91E-02	2.98E-02	2.81E-02	8.19E-03	7.68E-03	1.59E-02	7.99E-03	7.49E-03	1.55E-02	7.88E-03	7.39E-03	1.53E-02
655 490536.72, 3860035.12	0.21603	0.20546	3.28E-02	3.25E-02	3.09E-02	3.17E-02	2.99E-02	8.69E-03	8.27E-03	1.70E-02	8.48E-03	8.07E-03	1.66E-02	8.37E-03	7.96E-03	1.63E-02
656 490586.72, 3860035.12	0.22504	0.21544	3.42E-02	3.41E-02	3.22E-02	3.30E-02	3.11E-02	9.06E-03	8.67E-03	1.77E-02	8.84E-03	8.46E-03	1.73E-02	8.72E-03	8.35E-03	1.71E-02

657	490636.72, 3860035.12	0.23375	0.23198	3.55E-02	3.67E-02	3.35E-02	3.43E-02	3.23E-02	9.41E-03	9.34E-03	1.87E-02	9.18E-03	9.11E-03	1.83E-02	9.06E-03	8.99E-03	1.80E-02
658	490686.72, 3860035.12	0.24602	0.25175	3.74E-02	3.99E-02	3.52E-02	3.61E-02	3.40E-02	9.90E-03	1.01E-02	2.00E-02	9.66E-03	9.89E-03	1.95E-02	9.53E-03	9.75E-03	1.93E-02
659	490736.72, 3860035.12	0.2669	0.27699	4.06E-02	4.39E-02	3.82E-02	3.91E-02	3.69E-02	1.07E-02	1.11E-02	2.19E-02	1.05E-02	1.09E-02	2.14E-02	1.03E-02	1.07E-02	2.11E-02
660	490786.72, 3860035.12	0.28927	0.29758	4.40E-02	4.71E-02	4.14E-02	4.24E-02	4.00E-02	1.16E-02	1.20E-02	2.36E-02	1.14E-02	1.17E-02	2.30E-02	1.12E-02	1.15E-02	2.27E-02
661	490836.72, 3860035.12	0.32442	0.32457	4.93E-02	5.14E-02	4.64E-02	4.76E-02	4.49E-02	1.31E-02	1.31E-02	2.61E-02	1.27E-02	1.27E-02	2.55E-02	1.26E-02	1.26E-02	2.51E-02
662	490086.72, 3860085.12	0.13333	0.13465	2.03E-02	2.13E-02	1.91E-02	1.95E-02	1.84E-02	5.37E-03	5.42E-03	1.08E-02	5.24E-03	5.29E-03	1.05E-02	5.17E-03	5.22E-03	1.04E-02
663	490136.72, 3860085.12	0.13785	0.1372	2.09E-02	2.17E-02	1.97E-02	2.02E-02	1.91E-02	5.55E-03	5.52E-03	1.11E-02	5.41E-03	5.39E-03	1.08E-02	5.34E-03	5.32E-03	1.07E-02
664	490186.72, 3860085.12	0.14223	0.13947	2.16E-02	2.21E-02	2.04E-02	2.09E-02	1.97E-02	5.72E-03	5.61E-03	1.13E-02	5.59E-03	5.48E-03	1.11E-02	5.51E-03	5.40E-03	1.09E-02
665	490236.72, 3860085.12	0.14631	0.14347	2.22E-02	2.27E-02	2.09E-02	2.15E-02	2.02E-02	5.89E-03	5.77E-03	1.17E-02	5.75E-03	5.63E-03	1.14E-02	5.67E-03	5.56E-03	1.12E-02
666	490286.72, 3860085.12	0.15309	0.1483	2.33E-02	2.35E-02	2.19E-02	2.24E-02	2.12E-02	6.16E-03	5.97E-03	1.21E-02	6.01E-03	5.82E-03	1.18E-02	5.93E-03	5.75E-03	1.17E-02
667	490336.72, 3860085.12	0.15916	0.15338	2.42E-02	2.43E-02	2.28E-02	2.33E-02	2.20E-02	6.41E-03	6.17E-03	1.26E-02	6.25E-03	6.02E-03	1.23E-02	6.17E-03	5.94E-03	1.21E-02
668	490386.72, 3860085.12	0.1648	0.15694	2.50E-02	2.48E-02	2.36E-02	2.42E-02	2.28E-02	6.63E-03	6.32E-03	1.29E-02	6.47E-03	6.16E-03	1.26E-02	6.39E-03	6.08E-03	1.25E-02
669	490436.72, 3860085.12	0.1734	0.16212	2.63E-02	2.57E-02	2.48E-02	2.54E-02	2.40E-02	6.98E-03	6.52E-03	1.35E-02	6.81E-03	6.37E-03	1.32E-02	6.72E-03	6.28E-03	1.30E-02
670	490486.72, 3860085.12	0.1817	0.16898	2.76E-02	2.68E-02	2.60E-02	2.66E-02	2.51E-02	7.31E-03	6.80E-03	1.41E-02	7.14E-03	6.64E-03	1.38E-02	7.04E-03	6.55E-03	1.36E-02
671	490536.72, 3860085.12	0.19055	0.17956	2.90E-02	2.84E-02	2.73E-02	2.79E-02	2.64E-02	7.67E-03	7.23E-03	1.49E-02	7.48E-03	7.05E-03	1.45E-02	7.38E-03	6.96E-03	1.43E-02
672	490586.72, 3860085.12	0.19926	0.19045	3.03E-02	3.02E-02	2.85E-02	2.92E-02	2.76E-02	8.02E-03	7.66E-03	1.57E-02	7.82E-03	7.48E-03	1.53E-02	7.72E-03	7.38E-03	1.51E-02
673	490636.72, 3860085.12	0.20867	0.19984	3.17E-02	3.16E-02	2.99E-02	3.06E-02	2.89E-02	8.40E-03	8.04E-03	1.64E-02	8.19E-03	7.85E-03	1.60E-02	8.09E-03	7.74E-03	1.58E-02
674	490686.72, 3860085.12	0.21892	0.21176	3.33E-02	3.35E-02	3.13E-02	3.21E-02	3.03E-02	8.81E-03	8.52E-03	1.73E-02	8.60E-03	8.32E-03	1.69E-02	8.48E-03	8.21E-03	1.67E-02
675	490736.72, 3860085.12	0.23085	0.22986	3.51E-02	3.64E-02	3.30E-02	3.38E-02	3.19E-02	9.29E-03	9.25E-03	1.85E-02	9.07E-03	9.03E-03	1.81E-02	8.95E-03	8.91E-03	1.79E-02
676	490786.72, 3860085.12	0.24571	0.25006	3.73E-02	3.96E-02	3.52E-02	3.60E-02	3.40E-02	9.89E-03	1.01E-02	2.00E-02	9.65E-03	9.82E-03	1.95E-02	9.52E-03	9.69E-03	1.92E-02
677	490836.72, 3860085.12	0.2609	0.26699	3.96E-02	4.23E-02	3.74E-02	3.83E-02	3.61E-02	1.05E-02	1.07E-02	2.12E-02	1.02E-02	1.05E-02	2.07E-02	1.01E-02	1.03E-02	2.05E-02
678	490086.72, 3860135.12	0.12137	0.12037	1.84E-02	1.91E-02	1.74E-02	1.78E-02	1.68E-02	4.88E-03	4.84E-03	9.73E-03	4.77E-03	4.73E-03	9.49E-03	4.70E-03	4.66E-03	9.37E-03
679	490136.72, 3860135.12	0.12456	0.12637	1.89E-02	2.00E-02	1.78E-02	1.83E-02	1.72E-02	5.01E-03	5.09E-03	1.01E-02	4.89E-03	4.96E-03	9.85E-03	4.83E-03	4.90E-03	9.72E-03
680	490186.72, 3860135.12	0.13015	0.12994	1.98E-02	2.06E-02	1.86E-02	1.91E-02	1.80E-02	5.24E-03	5.23E-03	1.05E-02	5.11E-03	5.10E-03	1.02E-02	5.04E-03	5.03E-03	1.01E-02
681	490236.72, 3860135.12	0.13417	0.13143	2.04E-02	2.08E-02	1.92E-02	1.97E-02	1.86E-02	5.40E-03	5.29E-03	1.07E-02	5.27E-03	5.16E-03	1.04E-02	5.20E-03	5.09E-03	1.03E-02
682	490286.72, 3860135.12	0.1385	0.13483	2.10E-02	2.13E-02	1.98E-02	2.03E-02	1.92E-02	5.57E-03	5.43E-03	1.10E-02	5.44E-03	5.29E-03	1.07E-02	5.37E-03	5.22E-03	1.06E-02
683	490336.72, 3860135.12	0.14408	0.13789	2.19E-02	2.18E-02	2.06E-02	2.11E-02	1.99E-02	5.80E-03	5.55E-03	1.13E-02	5.66E-03	5.41E-03	1.11E-02	5.58E-03	5.34E-03	1.09E-02
684	490386.72, 3860135.12	0.1491	0.14482	2.27E-02	2.29E-02	2.13E-02	2.19E-02	2.06E-02	6.00E-03	5.83E-03	1.18E-02	5.86E-03	5.69E-03	1.15E-02	5.78E-03	5.61E-03	1.14E-02
685	490436.72, 3860135.12	0.15416	0.14958	2.34E-02	2.37E-02	2.21E-02	2.26E-02	2.13E-02	6.20E-03	6.02E-03	1.22E-02	6.05E-03	5.87E-03	1.19E-02	5.97E-03	5.80E-03	1.18E-02
686	490486.72, 3860135.12	0.16052	0.15527	2.44E-02	2.46E-02	2.30E-02	2.35E-02	2.22E-02	6.46E-03	6.25E-03	1.27E-02	6.30E-03	6.10E-03	1.24E-02	6.22E-03	6.02E-03	1.22E-02
687	490536.72, 3860135.12	0.16885	0.16174	2.57E-02	2.56E-02	2.42E-02	2.48E-02	2.34E-02	6.80E-03	6.51E-03	1.33E-02	6.63E-03	6.35E-03	1.30E-02	6.54E-03	6.27E-03	1.28E-02
688	490586.72, 3860135.12	0.17725	0.16985	2.69E-02	2.69E-02	2.54E-02	2.60E-02	2.45E-02	7.13E-03	6.84E-03	1.40E-02	6.96E-03	6.67E-03	1.36E-02	6.87E-03	6.58E-03	1.34E-02
689	490636.72, 3860135.12	0.1842	0.17646	2.80E-02	2.79E-02	2.64E-02	2.70E-02	2.55E-02	7.41E-03	7.10E-03	1.45E-02	7.23E-03	6.93E-03	1.42E-02	7.14E-03	6.84E-03	1.40E-02
690	490686.72, 3860135.12	0.19385	0.18554	2.95E-02	2.94E-02	2.78E-02	2.84E-02	2.68E-02	7.80E-03	7.47E-03	1.53E-02	7.61E-03	7.29E-03	1.49E-02	7.51E-03	7.19E-03	1.47E-02
691	490736.72, 3860135.12	0.20294	0.19504	3.08E-02	3.09E-02	2.91E-02	2.98E-02	2.81E-02	8.17E-03	7.85E-03	1.60E-02	7.97E-03	7.66E-03	1.56E-02	7.86E-03	7.56E-03	1.54E-02
692	490786.72, 3860135.12	0.21477	0.20996	3.26E-02	3.32E-02	3.07E-02	3.15E-02	2.97E-02	8.64E-03	8.45E-03	1.71E-02	8.43E-03	8.25E-03	1.67E-02	8.32E-03	8.14E-03	1.65E-02
693	490836.72, 3860135.12	0.2246	0.22728	3.41E-02	3.60E-02	3.22E-02	3.29E-02	3.11E-02	9.04E-03	9.15E-03	1.82E-02	8.82E-03	8.93E-03	1.77E-02	8.70E-03	8.81E-03	1.75E-02
694	490086.72, 3860185.12	0.11679	0.11458	1.77E-02	1.81E-02	1.67E-02	1.71E-02	1.62E-02	4.70E-03	4.61E-03	9.31E-03	4.59E-03	4.50E-03	9.09E-03	4.53E-03	4.44E-03	8.97E-03
695	490136.72, 3860185.12	0.11853	0.11813	1.80E-02	1.87E-02	1.70E-02	1.74E-02	1.64E-02	4.77E-03	4.75E-03	9.52E-03	4.65E-03	4.64E-03	9.29E-03	4.59E-03	4.58E-03	9.17E-03
696	490186.72, 3860185.12	0.12078	0.12318	1.84E-02	1.95E-02	1.73E-02	1.77E-02	1.67E-02	4.86E-03	4.96E-03	9.82E-03	4.74E-03	4.84E-03	9.58E-03	4.68E-03	4.77E-03	9.45E-03
697	490236.72, 3860185.12	0.12482	0.1253	1.90E-02	1.98E-02	1.79E-02	1.83E-02	1.73E-02	5.02E-03	5.04E-03	1.01E-02	4.90E-03	4.92E-03	9.82E-03	4.84E-03	4.86E-03	9.69E-03
698	490286.72, 3860185.12	0.12969	0.1264	1.97E-02	2.00E-02	1.86E-02	1.90E-02	1.79E-02	5.22E-03	5.09E-03	1.03E-02	5.09E-03	4.96E-03	1.01E-02	5.03E-03	4.90E-03	9.92E-03
699	490336.72, 3860185.12	0.13257	0.12909	2.01E-02	2.04E-02	1.90E-02	1.94E-02	1.83E-02	5.34E-03	5.19E-03	1.05E-02	5.21E-03	5.07E-03	1.03E-02	5.14E-03	5.00E-03	1.01E-02
700	490386.72, 3860185.12	0.1361	0.13178	2.07E-02	2.09E-02	1.95E-02	2.00E-02	1.88E-02	5.48E-03	5.30E-03	1.08E-02	5.34E-03	5.17E-03	1.05E-02	5.27E-03	5.11E-03	1.04E-02
701	490436.72, 3860185.12	0.14015	0.13731	2.13E-02	2.17E-02	2.01E-02	2.05E-02	1.94E-02	5.64E-03	5.53E-03	1.12E-02	5.50E-03	5.39E-03	1.09E-02	5.43E-03	5.32E-03	1.08E-02
702	490486.72, 3860185.12	0.14542	0.14347	2.21E-02	2.27E-02	2.08E-02	2.13E-02	2.01E-02	5.85E-03	5.77E-03	1.16E-02	5.71E-03	5.63E-03	1.13E-02	5.63E-03	5.56E-03	1.12E-02
703	490536.72, 3860185.12	0.15101	0.14923	2.29E-02	2.36E-02	2.16E-02	2.21E-02	2.09E-02	6.08E-03	6.01E-03	1.21E-02	5.93E-03	5.86E-03	1.18E-02	5.85E-03	5.78E-03	1.16E-02
704	490586.72, 3860185.12	0.15839	0.15421	2.41E-02	2.44E-02	2.27E-02	2.32E-02	2.19E-02	6.37E-03	6.21E-03	1.26E-02	6.22E-03	6.06E-03	1.23E-02	6.14E-03	5.98E-03	1.21E-02
705	490636.72, 3860185.12	0.16518	0.15905	2.51E-02	2.52E-02	2.36E-02	2.42E-02	2.28E-02	6.65E-03	6.40E-03	1.30E-02	6.49E-03	6.25E-03	1.27E-02	6.40E-03	6.16E-03	1.26E-02
706	490686.72, 3860185.12	0.17383	0.16724	2.64E-02	2.65E-02	2.49E-02	2.55E-02	2.40E-02	7.00E-03	6.73E-03	1.37E-02	6.83E-03	6.57E-03	1.34E-02	6.74E-03	6.48E-03	1.32E-02
707	490736.72, 3860185.12	0.18137	0.17497	2.76E-02	2.77E-02	2.60E-02	2.66E-02	2.51E-02	7.30E-03	7.04E-03	1.43E-02	7.12E-03	6.87E-03	1.40E-02	7.03E-03	6.78E-03	1.38E-02
708	490786.72, 3860185.12	0.19145	0.1849	2.91E-02	2.93E-02	2.74E-02	2.81E-02	2.65E-02	7.70E-03	7.44E-03	1.51E-02	7.52E-03	7.26E-03	1.48E-02	7.42E-03	7.16E-03	1.46E-02
709	490836.72, 3860185.12	0.20053	0.19469	3.05E-02	3.08E-02	2.87E-02	2.94E-02	2.77E-02	8.07E-03	7.83E-03	1.59E-02	7.87E-03	7.65E-03	1.55E-02	7.77E-03	7.54E-03	1.53E-02
710	490086.72, 3860235.12	0.11215	0.10889	1.70E-02	1.72E-02	1.61E-02	1.64E-02	1.55E-02	4.51E-03	4.38E-03	8.90E-03	4.40E-03	4.28E-03	8.68E-03	4.35E-03	4.22E-03	8.56E-03
711	490136.72, 3860235.12	0.11432	0.11158	1.74E-02	1.77E-02	1.64E-02	1.68E-02	1.58E-02	4.60E-03	4.49E-03	9.09E-03	4.49E-03	4.38E-03	8.87E-03	4.43E-03	4.32E-03	8.75E-03
712	490186.72, 3860235.12	0.11681	0.11481	1.77E-02	1.82E-02	1.67E-02	1.71E-02	1.62E-02	4.70E-03	4.62E-03	9.32E-03	4.59E-03	4.51E-03	9.10E-03	4.53E-03	4.45E-03	8.97E-03
713	490236.72, 3860235.12	0.11879	0.11931	1.81E-02	1.89E-02	1.70E-02	1.74E-02	1.64E-02	4.78E-03	4.80E-03	9.58E-03	4.66E-03	4.69E-03	9.35E-03	4.60E-03	4.62E-03	9.23E-03
714	490286.72, 3860235.12	0.12033	0.12179	1.83E-02	1.93E-02	1.72E-02	1.76E-02	1.66E-02	4.84E-03	4.90E-03	9.74E-03	4.73E-03	4.78E-03	9.51E-03	4.66E-03	4.72E-03	9.38E-03
715	490336.72, 3860235.12	0.12457	0.12343	1.89E-02	1.95E-02	1.78E-02	1.83E-02	1.72E-02	5.01E-03	4.97E-03	9.98E-03	4.89E-03	4.85E-03	9.74E-03	4.83E-03	4.78E-03	9.61E-03
716	490386.72, 3860235.12	0.12805	0.1255	1.95E-02	1.99E-02	1.83E-02	1.88E-02	1.77E-02	5.15E-03	5.05E-03	1.02E-02	5.03E-03	4.93E-03	9.96E-03	4.96E-03	4.86E-03	9.82E-03
717	490436.72, 3860235.12	0.13066	0.12719	1.99E-02	2.01E-02	1.87E-02	1.92E-02	1.81E-02	5.26E-03	5.12E-03	1.04E-02	5.13E-03	4.99E-03	1.01E-02	5.06E-03	4.93E-03	9.99E-03
718	490486.72, 3860235.12	0.13311	0.13103	2.02E-02	2.07E-02	1.91E-02	1.95E-02	1.84E-02	5.36E-03	5.27E-03	1.06E-02	5.23E-03	5.15E-03	1.04E-02	5.16E-03	5.08E-03	1.02E-02
719	490536.72, 3860235.12	0.13799	0.13748	2.10E-02	2.18E-02	1.98E-02	2.02E-02	1.91E-02	5.55E-03	5.53E-03	1.11E-02	5.42E-03	5.40E-03	1.08E-02	5.35E-03	5.33E-03	1.07E-02
720	490586.72, 3860235.12	0.14394	0.14327	2.19E-02	2.27E-02	2.06E-02	2.11E-02	1.99E-02	5.79E-03	5.77E-03	1.16E-02	5.65E-03	5.63E-03	1.13E-02	5.58E-03	5.55E-03	1.11E-02
721	490636.72, 3860235.12	0.14953	0.14862	2.27E-02	2.35E-02	2.14E-02	2.19E-02	2.07E-02	6.02E-03	5.98E-03	1.20E-02	5.87E-03	5.84E-03	1.17E-02	5.79E-03	5.76E-03	1.16E-02
722	490686.72, 3860235.12	0.15717	0.15317	2.39E-02	2.43E-02	2.25E-02	2.30E-02	2.17E-02	6.33E-03	6.16E-03	1.25E-02	6.17E-03	6.01E-03	1.22E-02	6.09E-03	5.94E-03	1.20E-02

723 490736.72, 3860235.12	0.16519	0.16015	2.51E-02	2.54E-02	2.36E-02	2.42E-02	2.28E-02	6.65E-03	6.44E-03	1.31E-02	6.49E-03	6.29E-03	1.28E-02	6.40E-03	6.21E-03	1.26E-02
724 490786.72, 3860235.12	0.17322	0.1666	2.63E-02	2.64E-02	2.48E-02	2.54E-02	2.40E-02	6.97E-03	6.70E-03	1.37E-02	6.80E-03	6.54E-03	1.33E-02	6.71E-03	6.46E-03	1.32E-02
725 490086.72, 3860285.12	0.10719	0.10071	1.63E-02	1.59E-02	1.53E-02	1.57E-02	1.48E-02	4.31E-03	4.05E-03	8.37E-03	4.21E-03	3.95E-03	8.16E-03	4.15E-03	3.90E-03	8.06E-03
726 490136.72, 3860285.12	0.1091	0.10547	1.66E-02	1.67E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.24E-03	8.63E-03	4.28E-03	4.14E-03	8.43E-03	4.23E-03	4.09E-03	8.31E-03
727 490186.72, 3860285.12	0.11092	0.10799	1.69E-02	1.71E-02	1.59E-02	1.63E-02	1.53E-02	4.46E-03	4.35E-03	8.81E-03	4.36E-03	4.24E-03	8.60E-03	4.30E-03	4.18E-03	8.48E-03
728 490236.72, 3860285.12	0.11313	0.11123	1.72E-02	1.76E-02	1.62E-02	1.66E-02	1.56E-02	4.55E-03	4.48E-03	9.03E-03	4.44E-03	4.37E-03	8.81E-03	4.38E-03	4.31E-03	8.69E-03
729 490286.72, 3860285.12	0.11504	0.11516	1.75E-02	1.82E-02	1.65E-02	1.69E-02	1.59E-02	4.63E-03	4.63E-03	9.26E-03	4.52E-03	4.52E-03	9.04E-03	4.46E-03	4.46E-03	8.92E-03
730 490336.72, 3860285.12	0.11711	0.11717	1.78E-02	1.86E-02	1.68E-02	1.72E-02	1.62E-02	4.71E-03	4.72E-03	9.43E-03	4.60E-03	4.60E-03	9.20E-03	4.54E-03	4.54E-03	9.08E-03
731 490386.72, 3860285.12	0.11987	0.11906	1.82E-02	1.89E-02	1.72E-02	1.76E-02	1.66E-02	4.82E-03	4.79E-03	9.62E-03	4.71E-03	4.68E-03	9.38E-03	4.64E-03	4.61E-03	9.26E-03
732 490436.72, 3860285.12	0.12248	0.12099	1.86E-02	1.92E-02	1.75E-02	1.80E-02	1.69E-02	4.93E-03	4.87E-03	9.80E-03	4.81E-03	4.75E-03	9.56E-03	4.75E-03	4.69E-03	9.43E-03
733 490486.72, 3860285.12	0.12529	0.12353	1.90E-02	1.96E-02	1.79E-02	1.84E-02	1.73E-02	5.04E-03	4.97E-03	1.00E-02	4.92E-03	4.85E-03	9.77E-03	4.85E-03	4.79E-03	9.64E-03
734 490536.72, 3860285.12	0.1277	0.12674	1.94E-02	2.01E-02	1.83E-02	1.87E-02	1.77E-02	5.14E-03	5.10E-03	1.02E-02	5.01E-03	4.98E-03	9.99E-03	4.95E-03	4.91E-03	9.86E-03
735 490586.72, 3860285.12	0.13078	0.13264	1.99E-02	2.10E-02	1.87E-02	1.92E-02	1.81E-02	5.26E-03	5.34E-03	1.06E-02	5.14E-03	5.21E-03	1.03E-02	5.07E-03	5.14E-03	1.02E-02
736 490636.72, 3860285.12	0.137	0.13738	2.08E-02	2.18E-02	1.96E-02	2.01E-02	1.89E-02	5.51E-03	5.53E-03	1.10E-02	5.38E-03	5.39E-03	1.08E-02	5.31E-03	5.32E-03	1.06E-02
737 490686.72, 3860285.12	0.14263	0.14319	2.17E-02	2.27E-02	2.04E-02	2.09E-02	1.97E-02	5.74E-03	5.76E-03	1.15E-02	5.60E-03	5.62E-03	1.12E-02	5.53E-03	5.55E-03	1.11E-02
738 490736.72, 3860285.12	0.14976	0.14796	2.28E-02	2.34E-02	2.14E-02	2.20E-02	2.07E-02	6.03E-03	5.95E-03	1.20E-02	5.88E-03	5.81E-03	1.17E-02	5.80E-03	5.73E-03	1.15E-02
739 490786.72, 3860285.12	0.15937	0.15388	2.42E-02	2.44E-02	2.28E-02	2.34E-02	2.20E-02	6.41E-03	6.19E-03	1.26E-02	6.26E-03	6.04E-03	1.23E-02	6.18E-03	5.96E-03	1.21E-02
740 490086.72, 3860335.12	0.10211	0.0954	1.55E-02	1.51E-02	1.46E-02	1.50E-02	1.41E-02	4.11E-03	3.84E-03	7.95E-03	4.01E-03	3.75E-03	7.76E-03	3.96E-03	3.70E-03	7.65E-03
741 490136.72, 3860335.12	0.10445	0.09811	1.59E-02	1.55E-02	1.50E-02	1.53E-02	1.44E-02	4.20E-03	3.95E-03	8.15E-03	4.10E-03	3.85E-03	7.95E-03	4.05E-03	3.80E-03	7.85E-03
742 490186.72, 3860335.12	0.10603	0.10223	1.61E-02	1.62E-02	1.52E-02	1.55E-02	1.47E-02	4.27E-03	4.11E-03	8.38E-03	4.16E-03	4.01E-03	8.18E-03	4.11E-03	3.96E-03	8.07E-03
743 490236.72, 3860335.12	0.10795	0.1048	1.64E-02	1.66E-02	1.55E-02	1.58E-02	1.49E-02	4.34E-03	4.22E-03	8.56E-03	4.24E-03	4.12E-03	8.35E-03	4.18E-03	4.06E-03	8.24E-03
744 490286.72, 3860335.12	0.10962	0.1079	1.67E-02	1.71E-02	1.57E-02	1.61E-02	1.52E-02	4.41E-03	4.34E-03	8.75E-03	4.30E-03	4.24E-03	8.54E-03	4.25E-03	4.18E-03	8.43E-03
745 490336.72, 3860335.12	0.11147	0.111	1.69E-02	1.76E-02	1.60E-02	1.63E-02	1.54E-02	4.49E-03	4.47E-03	8.95E-03	4.38E-03	4.36E-03	8.74E-03	4.32E-03	4.30E-03	8.62E-03
746 490386.72, 3860335.12	0.11357	0.11305	1.73E-02	1.79E-02	1.63E-02	1.67E-02	1.57E-02	4.57E-03	4.55E-03	9.12E-03	4.46E-03	4.44E-03	8.90E-03	4.40E-03	4.38E-03	8.78E-03
747 490436.72, 3860335.12	0.11574	0.1152	1.76E-02	1.82E-02	1.66E-02	1.70E-02	1.60E-02	4.66E-03	4.64E-03	9.29E-03	4.55E-03	4.52E-03	9.07E-03	4.48E-03	4.46E-03	8.95E-03
748 490486.72, 3860335.12	0.11875	0.11785	1.80E-02	1.87E-02	1.70E-02	1.74E-02	1.64E-02	4.78E-03	4.74E-03	9.52E-03	4.66E-03	4.63E-03	9.29E-03	4.60E-03	4.57E-03	9.17E-03
749 490536.72, 3860335.12	0.12187	0.12036	1.85E-02	1.91E-02	1.74E-02	1.79E-02	1.69E-02	4.90E-03	4.84E-03	9.75E-03	4.79E-03	4.73E-03	9.51E-03	4.72E-03	4.66E-03	9.39E-03
750 490586.72, 3860335.12	0.1242	0.12359	1.89E-02	1.96E-02	1.78E-02	1.82E-02	1.72E-02	5.00E-03	4.97E-03	9.97E-03	4.88E-03	4.85E-03	9.73E-03	4.81E-03	4.79E-03	9.60E-03
751 490636.72, 3860335.12	0.12671	0.12944	1.93E-02	2.05E-02	1.81E-02	1.86E-02	1.75E-02	5.10E-03	5.21E-03	1.03E-02	4.98E-03	5.08E-03	1.01E-02	4.91E-03	5.02E-03	9.93E-03
752 490686.72, 3860335.12	0.13068	0.13272	1.99E-02	2.10E-02	1.87E-02	1.92E-02	1.81E-02	5.26E-03	5.34E-03	1.06E-02	5.13E-03	5.21E-03	1.03E-02	5.06E-03	5.14E-03	1.02E-02
753 490736.72, 3860335.12	0.13721	0.13797	2.08E-02	2.18E-02	1.96E-02	2.01E-02	1.90E-02	5.52E-03	5.55E-03	1.11E-02	5.39E-03	5.42E-03	1.08E-02	5.32E-03	5.35E-03	1.07E-02
754 490786.72, 3860335.12	0.14289	0.14398	2.17E-02	2.28E-02	2.05E-02	2.10E-02	1.98E-02	5.75E-03	5.79E-03	1.15E-02	5.61E-03	5.65E-03	1.13E-02	5.54E-03	5.58E-03	1.11E-02
755 490086.72, 3860385.12	0.09593	0.09149	1.46E-02	1.45E-02	1.37E-02	1.41E-02	1.33E-02	3.86E-03	3.68E-03	7.54E-03	3.77E-03	3.59E-03	7.36E-03	3.72E-03	3.55E-03	7.26E-03
756 490136.72, 3860385.12	0.09914	0.0931	1.51E-02	1.47E-02	1.42E-02	1.45E-02	1.37E-02	3.99E-03	3.75E-03	7.74E-03	3.89E-03	3.66E-03	7.55E-03	3.84E-03	3.61E-03	7.45E-03
757 490186.72, 3860385.12	0.10155	0.09566	1.54E-02	1.51E-02	1.45E-02	1.49E-02	1.40E-02	4.09E-03	3.85E-03	7.94E-03	3.99E-03	3.76E-03	7.74E-03	3.93E-03	3.71E-03	7.64E-03
758 490236.72, 3860385.12	0.10335	0.0994	1.57E-02	1.57E-02	1.48E-02	1.52E-02	1.43E-02	4.16E-03	4.00E-03	8.16E-03	4.06E-03	3.90E-03	7.96E-03	4.00E-03	3.85E-03	7.86E-03
759 490286.72, 3860385.12	0.10484	0.10175	1.59E-02	1.61E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	4.09E-03	8.31E-03	4.12E-03	4.00E-03	8.11E-03	4.06E-03	3.94E-03	8.01E-03
760 490336.72, 3860385.12	0.10662	0.10485	1.62E-02	1.66E-02	1.53E-02	1.56E-02	1.47E-02	4.29E-03	4.22E-03	8.51E-03	4.19E-03	4.12E-03	8.30E-03	4.13E-03	4.06E-03	8.19E-03
761 490386.72, 3860385.12	0.10846	0.10736	1.65E-02	1.70E-02	1.55E-02	1.59E-02	1.50E-02	4.36E-03	4.32E-03	8.69E-03	4.26E-03	4.22E-03	8.48E-03	4.20E-03	4.16E-03	8.36E-03
762 490436.72, 3860385.12	0.11049	0.10951	1.68E-02	1.73E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	4.41E-03	8.85E-03	4.34E-03	4.30E-03	8.64E-03	4.28E-03	4.24E-03	8.52E-03
763 490486.72, 3860385.12	0.11265	0.11231	1.71E-02	1.78E-02	1.61E-02	1.65E-02	1.56E-02	4.53E-03	4.52E-03	9.05E-03	4.42E-03	4.41E-03	8.83E-03	4.37E-03	4.35E-03	8.72E-03
764 490536.72, 3860385.12	0.11468	0.11493	1.74E-02	1.82E-02	1.64E-02	1.68E-02	1.59E-02	4.62E-03	4.63E-03	9.24E-03	4.50E-03	4.51E-03	9.02E-03	4.44E-03	4.45E-03	8.90E-03
765 490586.72, 3860385.12	0.1185	0.11812	1.80E-02	1.87E-02	1.70E-02	1.74E-02	1.64E-02	4.77E-03	4.75E-03	9.52E-03	4.65E-03	4.64E-03	9.29E-03	4.59E-03	4.58E-03	9.17E-03
766 490636.72, 3860385.12	0.12131	0.12043	1.84E-02	1.91E-02	1.74E-02	1.78E-02	1.68E-02	4.88E-03	4.85E-03	9.73E-03	4.76E-03	4.73E-03	9.49E-03	4.70E-03	4.67E-03	9.37E-03
767 490686.72, 3860385.12	0.12592	0.12622	1.91E-02	2.00E-02	1.80E-02	1.85E-02	1.74E-02	5.07E-03	5.08E-03	1.01E-02	4.94E-03	4.96E-03	9.90E-03	4.88E-03	4.89E-03	9.77E-03
768 490736.72, 3860385.12	0.12899	0.13001	1.96E-02	2.06E-02	1.85E-02	1.89E-02	1.78E-02	5.19E-03	5.23E-03	1.04E-02	5.07E-03	5.11E-03	1.02E-02	5.00E-03	5.04E-03	1.00E-02
769 490786.72, 3860385.12	0.13296	0.13377	2.02E-02	2.12E-02	1.90E-02	1.95E-02	1.84E-02	5.35E-03	5.38E-03	1.07E-02	5.22E-03	5.25E-03	1.05E-02	5.15E-03	5.18E-03	1.03E-02
770 490136.72, 3860435.12	0.09355	0.08944	1.42E-02	1.42E-02	1.34E-02	1.37E-02	1.29E-02	3.76E-03	3.60E-03	7.36E-03	3.67E-03	3.51E-03	7.19E-03	3.62E-03	3.47E-03	7.09E-03
771 490186.72, 3860435.12	0.09606	0.09078	1.46E-02	1.44E-02	1.38E-02	1.41E-02	1.33E-02	3.87E-03	3.65E-03	7.52E-03	3.77E-03	3.56E-03	7.34E-03	3.72E-03	3.52E-03	7.24E-03
772 490236.72, 3860435.12	0.09892	0.09352	1.50E-02	1.48E-02	1.42E-02	1.45E-02	1.37E-02	3.98E-03	3.76E-03	7.74E-03	3.88E-03	3.67E-03	7.56E-03	3.83E-03	3.62E-03	7.46E-03
773 490286.72, 3860435.12	0.10076	0.09669	1.53E-02	1.53E-02	1.44E-02	1.48E-02	1.39E-02	4.05E-03	3.89E-03	7.95E-03	3.96E-03	3.80E-03	7.75E-03	3.90E-03	3.75E-03	7.65E-03
774 490336.72, 3860435.12	0.10227	0.09891	1.55E-02	1.57E-02	1.46E-02	1.50E-02	1.41E-02	4.12E-03	3.98E-03	8.10E-03	4.02E-03	3.88E-03	7.90E-03	3.96E-03	3.83E-03	7.80E-03
775 490386.72, 3860435.12	0.10402	0.10215	1.58E-02	1.62E-02	1.49E-02	1.53E-02	1.44E-02	4.19E-03	4.11E-03	8.30E-03	4.08E-03	4.01E-03	8.10E-03	4.03E-03	3.96E-03	7.99E-03
776 490436.72, 3860435.12	0.10581	0.10457	1.61E-02	1.66E-02	1.51E-02	1.55E-02	1.46E-02	4.26E-03	4.21E-03	8.47E-03	4.16E-03	4.11E-03	8.26E-03	4.10E-03	4.05E-03	8.15E-03
777 490486.72, 3860435.12	0.10767	0.10671	1.64E-02	1.69E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	4.29E-03	8.63E-03	4.23E-03	4.19E-03	8.42E-03	4.17E-03	4.13E-03	8.31E-03
778 490536.72, 3860435.12	0.10963	0.10912	1.67E-02	1.73E-02	1.57E-02	1.61E-02	1.52E-02	4.41E-03	4.39E-03	8.80E-03	4.31E-03	4.29E-03	8.59E-03	4.25E-03	4.23E-03	8.48E-03
779 490586.72, 3860435.12	0.11143	0.1118	1.69E-02	1.77E-02	1.60E-02	1.63E-02	1.54E-02	4.48E-03	4.50E-03	8.98E-03	4.38E-03	4.39E-03	8.77E-03	4.32E-03	4.33E-03	8.65E-03
780 490636.72, 3860435.12	0.11467	0.11523	1.74E-02	1.82E-02	1.64E-02	1.68E-02	1.59E-02	4.61E-03	4.64E-03	9.25E-03	4.50E-03	4.53E-03	9.03E-03	4.44E-03	4.46E-03	8.91E-03
781 490686.72, 3860435.12	0.11801	0.11752	1.79E-02	1.86E-02	1.69E-02	1.73E-02	1.63E-02	4.75E-03	4.73E-03	9.48E-03	4.63E-03	4.61E-03	9.25E-03	4.57E-03	4.55E-03	9.13E-03
782 490736.72, 3860435.12	0.12175	0.1231	1.85E-02	1.95E-02	1.74E-02	1.79E-02	1.68E-02	4.90E-03	4.95E-03	9.85E-03	4.78E-03	4.83E-03	9.62E-03	4.72E-03	4.77E-03	9.49E-03
783 490786.72, 3860435.12	0.12665	0.12724	1.92E-02	2.01E-02	1.81E-02	1.86E-02	1.75E-02	5.10E-03	5.12E-03	1.02E-02	4.97E-03	5.00E-03	9.97E-03	4.91E-03	4.93E-03	9.84E-03
784 490136.72, 3860485.12	0.08891	0.08628	1.35E-02	1.37E-02	1.27E-02	1.30E-02	1.23E-02	3.58E-03	3.47E-03	7.05E-03	3.49E-03	3.39E-03	6.88E-03	3.45E-03	3.34E-03	6.79E-03
785 490186.72, 3860485.12	0.09139	0.08738	1.39E-02	1.38E-02	1.31E-02	1.34E-02	1.26E-02	3.68E-03	3.52E-03	7.19E-03	3.59E-03	3.43E-03	7.02E-03	3.54E-03	3.39E-03	6.93E-03
786 490236.72, 3860485.12	0.0934	0.08855	1.42E-02	1.40E-02	1.34E-02	1.37E-02	1.29E-02	3.76E-03	3.56E-03	7.32E-03	3.67E-03	3.48E-03	7.15E-03	3.62E-03	3.43E-03	7.05E-03
787 490286.72, 3860485.12	0.09663	0.09154	1.47E-02	1.45E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	3.68E-03	7.57E-03	3.79E-03	3.59E-03	7.39E-03	3.74E-03	3.55E-03	7.29E-03
788 490336.72, 3860485.12	0.09854	0.09456	1.50E-02	1.50E-02	1.41E-02	1.44E-02	1.36E-02	3.97E-03	3.81E-03	7.77E-03	3.87E-03	3.71E-03	7.58E-03	3.82E-03	3.66E-03	7.48E-03

789	490386.72, 3860485.12	0.10011	0.0967	1.52E-02	1.53E-02	1.43E-02	1.47E-02	1.38E-02	4.03E-03	3.89E-03	7.92E-03	3.93E-03	3.80E-03	7.73E-03	3.88E-03	3.75E-03	7.63E-03
790	490436.72, 3860485.12	0.10193	0.09998	1.55E-02	1.58E-02	1.46E-02	1.49E-02	1.41E-02	4.10E-03	4.02E-03	8.13E-03	4.00E-03	3.93E-03	7.93E-03	3.95E-03	3.87E-03	7.82E-03
791	490486.72, 3860485.12	0.10352	0.10238	1.57E-02	1.62E-02	1.48E-02	1.52E-02	1.43E-02	4.17E-03	4.12E-03	8.29E-03	4.07E-03	4.02E-03	8.09E-03	4.01E-03	3.97E-03	7.98E-03
792	490536.72, 3860485.12	0.1051	0.1045	1.60E-02	1.65E-02	1.50E-02	1.54E-02	1.45E-02	4.23E-03	4.21E-03	8.43E-03	4.13E-03	4.10E-03	8.23E-03	4.07E-03	4.05E-03	8.12E-03
793	490586.72, 3860485.12	0.10672	0.10676	1.62E-02	1.69E-02	1.53E-02	1.56E-02	1.48E-02	4.29E-03	4.30E-03	8.59E-03	4.19E-03	4.19E-03	8.38E-03	4.14E-03	4.14E-03	8.27E-03
794	490636.72, 3860485.12	0.1086	0.10853	1.65E-02	1.72E-02	1.55E-02	1.59E-02	1.50E-02	4.37E-03	4.37E-03	8.74E-03	4.26E-03	4.26E-03	8.53E-03	4.21E-03	4.21E-03	8.41E-03
795	490686.72, 3860485.12	0.11124	0.11217	1.69E-02	1.78E-02	1.59E-02	1.63E-02	1.54E-02	4.48E-03	4.51E-03	8.99E-03	4.37E-03	4.40E-03	8.77E-03	4.31E-03	4.35E-03	8.66E-03
796	490736.72, 3860485.12	0.11558	0.11531	1.76E-02	1.83E-02	1.65E-02	1.69E-02	1.60E-02	4.65E-03	4.64E-03	9.29E-03	4.54E-03	4.53E-03	9.07E-03	4.48E-03	4.47E-03	8.95E-03
797	490786.72, 3860485.12	0.11921	0.12008	1.81E-02	1.90E-02	1.71E-02	1.75E-02	1.65E-02	4.80E-03	4.83E-03	9.63E-03	4.68E-03	4.72E-03	9.40E-03	4.62E-03	4.65E-03	9.27E-03
798	490136.72, 3860535.12	0.08521	0.0827	1.29E-02	1.31E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.33E-03	6.76E-03	3.35E-03	3.25E-03	6.59E-03	3.30E-03	3.20E-03	6.51E-03
799	490186.72, 3860535.12	0.08672	0.08465	1.32E-02	1.34E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.41E-03	6.90E-03	3.41E-03	3.32E-03	6.73E-03	3.36E-03	3.28E-03	6.64E-03
800	490236.72, 3860535.12	0.08877	0.08531	1.35E-02	1.35E-02	1.27E-02	1.30E-02	1.23E-02	3.57E-03	3.43E-03	7.01E-03	3.49E-03	3.35E-03	6.84E-03	3.44E-03	3.31E-03	6.75E-03
801	490286.72, 3860535.12	0.09065	0.08643	1.38E-02	1.37E-02	1.30E-02	1.33E-02	1.25E-02	3.65E-03	3.48E-03	7.13E-03	3.56E-03	3.39E-03	6.95E-03	3.51E-03	3.35E-03	6.86E-03
802	490336.72, 3860535.12	0.09404	0.08986	1.43E-02	1.42E-02	1.35E-02	1.38E-02	1.30E-02	3.78E-03	3.62E-03	7.40E-03	3.69E-03	3.53E-03	7.22E-03	3.64E-03	3.48E-03	7.13E-03
803	490386.72, 3860535.12	0.09676	0.09281	1.47E-02	1.47E-02	1.39E-02	1.42E-02	1.34E-02	3.89E-03	3.73E-03	7.63E-03	3.80E-03	3.64E-03	7.44E-03	3.75E-03	3.60E-03	7.35E-03
804	490436.72, 3860535.12	0.09827	0.09481	1.49E-02	1.50E-02	1.41E-02	1.44E-02	1.36E-02	3.95E-03	3.82E-03	7.77E-03	3.86E-03	3.72E-03	7.58E-03	3.81E-03	3.67E-03	7.48E-03
805	490486.72, 3860535.12	0.09989	0.09812	1.52E-02	1.55E-02	1.43E-02	1.46E-02	1.38E-02	4.02E-03	3.95E-03	7.97E-03	3.92E-03	3.85E-03	7.78E-03	3.87E-03	3.80E-03	7.67E-03
806	490536.72, 3860535.12	0.10199	0.10087	1.55E-02	1.60E-02	1.46E-02	1.50E-02	1.41E-02	4.10E-03	4.06E-03	8.16E-03	4.01E-03	3.96E-03	7.97E-03	3.95E-03	3.91E-03	7.86E-03
807	490586.72, 3860535.12	0.10287	0.10284	1.56E-02	1.63E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.14E-03	8.28E-03	4.04E-03	4.04E-03	8.08E-03	3.99E-03	3.98E-03	7.97E-03
808	490636.72, 3860535.12	0.10442	0.105	1.59E-02	1.66E-02	1.49E-02	1.53E-02	1.44E-02	4.20E-03	4.23E-03	8.43E-03	4.10E-03	4.12E-03	8.22E-03	4.05E-03	4.07E-03	8.11E-03
809	490686.72, 3860535.12	0.10629	0.10663	1.62E-02	1.69E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.29E-03	8.57E-03	4.17E-03	4.19E-03	8.36E-03	4.12E-03	4.13E-03	8.25E-03
810	490736.72, 3860535.12	0.10847	0.10923	1.65E-02	1.73E-02	1.55E-02	1.59E-02	1.50E-02	4.37E-03	4.40E-03	8.76E-03	4.26E-03	4.29E-03	8.55E-03	4.20E-03	4.23E-03	8.44E-03
811	490786.72, 3860535.12	0.11351	0.1139	1.72E-02	1.80E-02	1.63E-02	1.66E-02	1.57E-02	4.57E-03	4.58E-03	9.15E-03	4.46E-03	4.47E-03	8.93E-03	4.40E-03	4.41E-03	8.81E-03
812	490136.72, 3860585.12	0.08171	0.07853	1.24E-02	1.24E-02	1.17E-02	1.20E-02	1.13E-02	3.29E-03	3.16E-03	6.45E-03	3.21E-03	3.08E-03	6.29E-03	3.17E-03	3.04E-03	6.21E-03
813	490186.72, 3860585.12	0.08328	0.08033	1.27E-02	1.27E-02	1.19E-02	1.22E-02	1.15E-02	3.35E-03	3.23E-03	6.58E-03	3.27E-03	3.15E-03	6.42E-03	3.23E-03	3.11E-03	6.34E-03
814	490236.72, 3860585.12	0.0848	0.0822	1.29E-02	1.30E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.31E-03	6.72E-03	3.33E-03	3.23E-03	6.56E-03	3.29E-03	3.19E-03	6.47E-03
815	490286.72, 3860585.12	0.08654	0.08341	1.31E-02	1.32E-02	1.24E-02	1.27E-02	1.20E-02	3.48E-03	3.36E-03	6.84E-03	3.40E-03	3.28E-03	6.67E-03	3.35E-03	3.23E-03	6.59E-03
816	490336.72, 3860585.12	0.08838	0.08447	1.34E-02	1.34E-02	1.27E-02	1.30E-02	1.22E-02	3.56E-03	3.40E-03	6.96E-03	3.47E-03	3.32E-03	6.79E-03	3.42E-03	3.27E-03	6.70E-03
817	490386.72, 3860585.12	0.09115	0.08741	1.39E-02	1.38E-02	1.30E-02	1.34E-02	1.26E-02	3.67E-03	3.52E-03	7.19E-03	3.58E-03	3.43E-03	7.01E-03	3.53E-03	3.39E-03	6.92E-03
818	490436.72, 3860585.12	0.09346	0.09048	1.42E-02	1.43E-02	1.34E-02	1.37E-02	1.29E-02	3.76E-03	3.64E-03	7.40E-03	3.67E-03	3.55E-03	7.22E-03	3.62E-03	3.51E-03	7.13E-03
819	490486.72, 3860585.12	0.09653	0.09328	1.47E-02	1.48E-02	1.38E-02	1.42E-02	1.34E-02	3.88E-03	3.75E-03	7.64E-03	3.79E-03	3.66E-03	7.45E-03	3.74E-03	3.61E-03	7.35E-03
820	490536.72, 3860585.12	0.09835	0.09644	1.49E-02	1.53E-02	1.41E-02	1.44E-02	1.36E-02	3.96E-03	3.88E-03	7.84E-03	3.86E-03	3.79E-03	7.65E-03	3.81E-03	3.74E-03	7.55E-03
821	490586.72, 3860585.12	0.09902	0.09882	1.50E-02	1.56E-02	1.42E-02	1.45E-02	1.37E-02	3.98E-03	3.98E-03	7.96E-03	3.89E-03	3.88E-03	7.77E-03	3.84E-03	3.83E-03	7.67E-03
822	490636.72, 3860585.12	0.10063	0.10119	1.53E-02	1.60E-02	1.44E-02	1.48E-02	1.39E-02	4.05E-03	4.07E-03	8.12E-03	3.95E-03	3.97E-03	7.93E-03	3.90E-03	3.92E-03	7.82E-03
823	490686.72, 3860585.12	0.10239	0.10327	1.56E-02	1.64E-02	1.47E-02	1.50E-02	1.42E-02	4.12E-03	4.16E-03	8.28E-03	4.02E-03	4.06E-03	8.08E-03	3.97E-03	4.00E-03	7.97E-03
824	490736.72, 3860585.12	0.10451	0.10454	1.59E-02	1.66E-02	1.50E-02	1.53E-02	1.45E-02	4.21E-03	4.21E-03	8.41E-03	4.10E-03	4.11E-03	8.21E-03	4.05E-03	4.05E-03	8.10E-03
825	490786.72, 3860585.12	0.10699	0.10652	1.63E-02	1.69E-02	1.53E-02	1.57E-02	1.48E-02	4.31E-03	4.29E-03	8.59E-03	4.20E-03	4.18E-03	8.38E-03	4.15E-03	4.13E-03	8.27E-03
826	490136.72, 3860635.12	0.07939	0.07559	1.21E-02	1.20E-02	1.14E-02	1.16E-02	1.10E-02	3.19E-03	3.04E-03	6.24E-03	3.12E-03	2.97E-03	6.09E-03	3.08E-03	2.93E-03	6.01E-03
827	490186.72, 3860635.12	0.08029	0.0767	1.22E-02	1.21E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.09E-03	6.32E-03	3.15E-03	3.01E-03	6.16E-03	3.11E-03	2.97E-03	6.08E-03
828	490236.72, 3860635.12	0.08164	0.0787	1.24E-02	1.25E-02	1.17E-02	1.20E-02	1.13E-02	3.29E-03	3.17E-03	6.45E-03	3.21E-03	3.09E-03	6.30E-03	3.16E-03	3.05E-03	6.21E-03
829	490286.72, 3860635.12	0.08305	0.08034	1.26E-02	1.27E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	3.23E-03	6.58E-03	3.26E-03	3.15E-03	6.42E-03	3.22E-03	3.11E-03	6.33E-03
830	490336.72, 3860635.12	0.0846	0.08159	1.29E-02	1.29E-02	1.21E-02	1.24E-02	1.17E-02	3.40E-03	3.28E-03	6.69E-03	3.32E-03	3.20E-03	6.53E-03	3.28E-03	3.16E-03	6.44E-03
831	490386.72, 3860635.12	0.08645	0.08303	1.31E-02	1.31E-02	1.24E-02	1.27E-02	1.20E-02	3.48E-03	3.34E-03	6.82E-03	3.39E-03	3.26E-03	6.66E-03	3.35E-03	3.22E-03	6.57E-03
832	490436.72, 3860635.12	0.08872	0.08592	1.35E-02	1.36E-02	1.27E-02	1.30E-02	1.23E-02	3.57E-03	3.46E-03	7.03E-03	3.48E-03	3.37E-03	6.86E-03	3.44E-03	3.33E-03	6.77E-03
833	490486.72, 3860635.12	0.09154	0.08848	1.39E-02	1.40E-02	1.31E-02	1.34E-02	1.27E-02	3.68E-03	3.56E-03	7.24E-03	3.59E-03	3.47E-03	7.07E-03	3.55E-03	3.43E-03	6.98E-03
834	490536.72, 3860635.12	0.09311	0.0906	1.41E-02	1.43E-02	1.33E-02	1.37E-02	1.29E-02	3.75E-03	3.65E-03	7.39E-03	3.66E-03	3.56E-03	7.21E-03	3.61E-03	3.51E-03	7.12E-03
835	490586.72, 3860635.12	0.09483	0.0944	1.44E-02	1.49E-02	1.36E-02	1.39E-02	1.31E-02	3.82E-03	3.80E-03	7.62E-03	3.72E-03	3.71E-03	7.43E-03	3.67E-03	3.66E-03	7.33E-03
836	490636.72, 3860635.12	0.09726	0.09765	1.48E-02	1.55E-02	1.39E-02	1.43E-02	1.35E-02	3.91E-03	3.93E-03	7.84E-03	3.82E-03	3.83E-03	7.65E-03	3.77E-03	3.78E-03	7.55E-03
837	490686.72, 3860635.12	0.09921	0.09999	1.51E-02	1.58E-02	1.42E-02	1.45E-02	1.37E-02	3.99E-03	4.02E-03	8.02E-03	3.90E-03	3.93E-03	7.82E-03	3.84E-03	3.87E-03	7.72E-03
838	490736.72, 3860635.12	0.10101	0.1014	1.53E-02	1.61E-02	1.45E-02	1.48E-02	1.40E-02	4.06E-03	4.08E-03	8.15E-03	3.97E-03	3.98E-03	7.95E-03	3.91E-03	3.93E-03	7.84E-03
839	490786.72, 3860635.12	0.10331	0.10269	1.57E-02	1.63E-02	1.48E-02	1.51E-02	1.43E-02	4.16E-03	4.13E-03	8.29E-03	4.06E-03	4.03E-03	8.09E-03	4.00E-03	3.98E-03	7.98E-03
840	490136.72, 3860685.12	0.07713	0.07306	1.17E-02	1.16E-02	1.10E-02	1.13E-02	1.07E-02	3.10E-03	2.94E-03	6.04E-03	3.03E-03	2.87E-03	5.90E-03	2.99E-03	2.83E-03	5.82E-03
841	490186.72, 3860685.12	0.07851	0.07458	1.19E-02	1.18E-02	1.12E-02	1.15E-02	1.09E-02	3.16E-03	3.00E-03	6.16E-03	3.08E-03	2.93E-03	6.01E-03	3.04E-03	2.89E-03	5.93E-03
842	490236.72, 3860685.12	0.07905	0.07518	1.20E-02	1.19E-02	1.13E-02	1.16E-02	1.09E-02	3.18E-03	3.03E-03	6.21E-03	3.10E-03	2.95E-03	6.06E-03	3.06E-03	2.91E-03	5.98E-03
843	490286.72, 3860685.12	0.08032	0.07706	1.22E-02	1.22E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.10E-03	6.33E-03	3.15E-03	3.03E-03	6.18E-03	3.11E-03	2.99E-03	6.10E-03
844	490336.72, 3860685.12	0.08173	0.079	1.24E-02	1.25E-02	1.17E-02	1.20E-02	1.13E-02	3.29E-03	3.18E-03	6.47E-03	3.21E-03	3.10E-03	6.31E-03	3.17E-03	3.06E-03	6.23E-03
845	490386.72, 3860685.12	0.0832	0.0803	1.26E-02	1.27E-02	1.19E-02	1.22E-02	1.15E-02	3.35E-03	3.23E-03	6.58E-03	3.27E-03	3.15E-03	6.42E-03	3.22E-03	3.11E-03	6.34E-03
846	490436.72, 3860685.12	0.08476	0.08162	1.29E-02	1.29E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.28E-03	6.70E-03	3.33E-03	3.21E-03	6.53E-03	3.28E-03	3.16E-03	6.45E-03
847	490486.72, 3860685.12	0.08665	0.08439	1.32E-02	1.34E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.40E-03	6.88E-03	3.40E-03	3.31E-03	6.72E-03	3.36E-03	3.27E-03	6.63E-03
848	490536.72, 3860685.12	0.08941	0.08682	1.36E-02	1.37E-02	1.28E-02	1.31E-02	1.24E-02	3.60E-03	3.49E-03	7.09E-03	3.51E-03	3.41E-03	6.92E-03	3.46E-03	3.36E-03	6.83E-03
849	490586.72, 3860685.12	0.09109	0.08876	1.38E-02	1.41E-02	1.30E-02	1.34E-02	1.26E-02	3.67E-03	3.57E-03	7.24E-03	3.58E-03	3.49E-03	7.06E-03	3.53E-03	3.44E-03	6.97E-03
850	490636.72, 3860685.12	0.09273	0.09209	1.41E-02	1.46E-02	1.33E-02	1.36E-02	1.28E-02	3.73E-03	3.71E-03	7.44E-03	3.64E-03	3.62E-03	7.26E-03	3.59E-03	3.57E-03	7.16E-03
851	490686.72, 3860685.12	0.0947	0.09545	1.44E-02	1.51E-02	1.36E-02	1.39E-02	1.31E-02	3.81E-03	3.84E-03	7.65E-03	3.72E-03	3.75E-03	7.47E-03	3.67E-03	3.70E-03	7.37E-03
852	490736.72, 3860685.12	0.09668	0.09861	1.47E-02	1.56E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	3.97E-03	7.86E-03	3.80E-03	3.87E-03	7.67E-03	3.75E-03	3.82E-03	7.57E-03
853	490786.72, 3860685.12	0.09961	0.10033	1.51E-02	1.59E-02	1.43E-02	1.46E-02	1.38E-02	4.01E-03	4.04E-03	8.05E-03	3.91E-03	3.94E-03	7.85E-03	3.86E-03	3.89E-03	7.75E-03
854	490136.72, 3860735.12	0.07466	0.06997	1.13E-02	1.11E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	2.82E-03	5.82E-03	2.93E-03	2.75E-03	5.68E-03	2.89E-03	2.71E-03	5.60E-03

855	490186.72, 3860735.12	0.07589	0.07096	1.15E-02	1.12E-02	1.09E-02	1.11E-02	1.05E-02	3.05E-03	2.86E-03	5.91E-03	2.98E-03	2.79E-03	5.77E-03	2.94E-03	2.75E-03	5.69E-03
856	490236.72, 3860735.12	0.07694	0.07195	1.17E-02	1.14E-02	1.10E-02	1.13E-02	1.06E-02	3.10E-03	2.90E-03	5.99E-03	3.02E-03	2.83E-03	5.85E-03	2.98E-03	2.79E-03	5.77E-03
857	490286.72, 3860735.12	0.07808	0.0738	1.19E-02	1.17E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	2.97E-03	6.11E-03	3.07E-03	2.90E-03	5.96E-03	3.03E-03	2.86E-03	5.89E-03
858	490336.72, 3860735.12	0.07929	0.07606	1.20E-02	1.20E-02	1.14E-02	1.16E-02	1.10E-02	3.19E-03	3.06E-03	6.25E-03	3.11E-03	2.99E-03	6.10E-03	3.07E-03	2.95E-03	6.02E-03
859	490386.72, 3860735.12	0.08065	0.07794	1.23E-02	1.23E-02	1.15E-02	1.18E-02	1.12E-02	3.25E-03	3.14E-03	6.38E-03	3.17E-03	3.06E-03	6.23E-03	3.13E-03	3.02E-03	6.15E-03
860	490436.72, 3860735.12	0.08209	0.07942	1.25E-02	1.26E-02	1.18E-02	1.20E-02	1.14E-02	3.30E-03	3.20E-03	6.50E-03	3.22E-03	3.12E-03	6.34E-03	3.18E-03	3.08E-03	6.26E-03
861	490486.72, 3860735.12	0.08367	0.08065	1.27E-02	1.28E-02	1.20E-02	1.23E-02	1.16E-02	3.37E-03	3.25E-03	6.61E-03	3.29E-03	3.17E-03	6.45E-03	3.24E-03	3.13E-03	6.37E-03
862	490536.72, 3860735.12	0.0852	0.08287	1.29E-02	1.31E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.33E-03	6.76E-03	3.35E-03	3.25E-03	6.60E-03	3.30E-03	3.21E-03	6.51E-03
863	490586.72, 3860735.12	0.08751	0.08515	1.33E-02	1.35E-02	1.25E-02	1.28E-02	1.21E-02	3.52E-03	3.43E-03	6.95E-03	3.44E-03	3.34E-03	6.78E-03	3.39E-03	3.30E-03	6.69E-03
864	490636.72, 3860735.12	0.08965	0.08723	1.36E-02	1.38E-02	1.28E-02	1.31E-02	1.24E-02	3.61E-03	3.51E-03	7.12E-03	3.52E-03	3.43E-03	6.95E-03	3.47E-03	3.38E-03	6.85E-03
865	490686.72, 3860735.12	0.09123	0.09068	1.39E-02	1.44E-02	1.31E-02	1.34E-02	1.26E-02	3.67E-03	3.65E-03	7.32E-03	3.58E-03	3.56E-03	7.14E-03	3.54E-03	3.51E-03	7.05E-03
866	490736.72, 3860735.12	0.09292	0.09434	1.41E-02	1.49E-02	1.33E-02	1.36E-02	1.29E-02	3.74E-03	3.80E-03	7.54E-03	3.65E-03	3.70E-03	7.35E-03	3.60E-03	3.66E-03	7.26E-03
867	490136.72, 3860785.12	0.07187	0.06712	1.09E-02	1.06E-02	1.03E-02	1.05E-02	9.94E-03	2.89E-03	2.70E-03	5.59E-03	2.82E-03	2.64E-03	5.46E-03	2.78E-03	2.60E-03	5.39E-03
868	490186.72, 3860785.12	0.07339	0.06826	1.12E-02	1.08E-02	1.05E-02	1.08E-02	1.02E-02	2.95E-03	2.75E-03	5.70E-03	2.88E-03	2.68E-03	5.56E-03	2.84E-03	2.64E-03	5.49E-03
869	490236.72, 3860785.12	0.0749	0.0699	1.14E-02	1.11E-02	1.07E-02	1.10E-02	1.04E-02	3.01E-03	2.81E-03	5.83E-03	2.94E-03	2.74E-03	5.69E-03	2.90E-03	2.71E-03	5.61E-03
870	490286.72, 3860785.12	0.07602	0.07098	1.16E-02	1.12E-02	1.09E-02	1.11E-02	1.05E-02	3.06E-03	2.86E-03	5.92E-03	2.99E-03	2.79E-03	5.77E-03	2.95E-03	2.75E-03	5.70E-03
871	490336.72, 3860785.12	0.07716	0.07286	1.17E-02	1.15E-02	1.10E-02	1.13E-02	1.07E-02	3.11E-03	2.93E-03	6.04E-03	3.03E-03	2.86E-03	5.89E-03	2.99E-03	2.82E-03	5.81E-03
872	490386.72, 3860785.12	0.07843	0.07522	1.19E-02	1.19E-02	1.12E-02	1.15E-02	1.08E-02	3.16E-03	3.03E-03	6.18E-03	3.08E-03	2.95E-03	6.03E-03	3.04E-03	2.91E-03	5.95E-03
873	490436.72, 3860785.12	0.07971	0.07721	1.21E-02	1.22E-02	1.14E-02	1.17E-02	1.10E-02	3.21E-03	3.11E-03	6.31E-03	3.13E-03	3.03E-03	6.16E-03	3.09E-03	2.99E-03	6.08E-03
874	490486.72, 3860785.12	0.08116	0.07855	1.23E-02	1.24E-02	1.16E-02	1.19E-02	1.12E-02	3.27E-03	3.16E-03	6.43E-03	3.19E-03	3.08E-03	6.27E-03	3.14E-03	3.04E-03	6.19E-03
875	490536.72, 3860785.12	0.08262	0.07978	1.26E-02	1.26E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.21E-03	6.54E-03	3.24E-03	3.13E-03	6.38E-03	3.20E-03	3.09E-03	6.29E-03
876	490586.72, 3860785.12	0.08408	0.08144	1.28E-02	1.29E-02	1.20E-02	1.23E-02	1.16E-02	3.38E-03	3.28E-03	6.66E-03	3.30E-03	3.20E-03	6.50E-03	3.26E-03	3.16E-03	6.41E-03
877	490636.72, 3860785.12	0.08588	0.08348	1.30E-02	1.32E-02	1.23E-02	1.26E-02	1.19E-02	3.46E-03	3.36E-03	6.82E-03	3.37E-03	3.28E-03	6.65E-03	3.33E-03	3.23E-03	6.56E-03
878	490686.72, 3860785.12	0.08814	0.08587	1.34E-02	1.36E-02	1.26E-02	1.29E-02	1.22E-02	3.55E-03	3.46E-03	7.00E-03	3.46E-03	3.37E-03	6.83E-03	3.42E-03	3.33E-03	6.74E-03
879	490736.72, 3860785.12	0.0897	0.08892	1.36E-02	1.41E-02	1.28E-02	1.32E-02	1.24E-02	3.61E-03	3.58E-03	7.19E-03	3.52E-03	3.49E-03	7.01E-03	3.48E-03	3.45E-03	6.92E-03
880	490086.72, 3860835.12	0.06878	0.06508	1.05E-02	1.03E-02	9.85E-03	1.01E-02	9.51E-03	2.77E-03	2.62E-03	5.39E-03	2.70E-03	2.56E-03	5.26E-03	2.67E-03	2.52E-03	5.19E-03
881	490136.72, 3860835.12	0.06975	0.06574	1.06E-02	1.04E-02	9.99E-03	1.02E-02	9.65E-03	2.81E-03	2.65E-03	5.45E-03	2.74E-03	2.58E-03	5.32E-03	2.70E-03	2.55E-03	5.25E-03
882	490186.72, 3860835.12	0.07055	0.0663	1.07E-02	1.05E-02	1.01E-02	1.03E-02	9.76E-03	2.84E-03	2.67E-03	5.51E-03	2.77E-03	2.60E-03	5.37E-03	2.73E-03	2.57E-03	5.30E-03
883	490236.72, 3860835.12	0.07205	0.06741	1.09E-02	1.07E-02	1.03E-02	1.06E-02	9.97E-03	2.90E-03	2.71E-03	5.61E-03	2.83E-03	2.65E-03	5.48E-03	2.79E-03	2.61E-03	5.40E-03
884	490286.72, 3860835.12	0.0737	0.06893	1.12E-02	1.09E-02	1.06E-02	1.08E-02	1.02E-02	2.97E-03	2.77E-03	5.74E-03	2.89E-03	2.71E-03	5.60E-03	2.86E-03	2.67E-03	5.53E-03
885	490336.72, 3860835.12	0.07514	0.06999	1.14E-02	1.11E-02	1.08E-02	1.10E-02	1.04E-02	3.02E-03	2.82E-03	5.84E-03	2.95E-03	2.75E-03	5.70E-03	2.91E-03	2.71E-03	5.62E-03
886	490386.72, 3860835.12	0.07631	0.07199	1.16E-02	1.14E-02	1.09E-02	1.12E-02	1.06E-02	3.07E-03	2.90E-03	5.97E-03	3.00E-03	2.83E-03	5.82E-03	2.96E-03	2.79E-03	5.75E-03
887	490436.72, 3860835.12	0.07765	0.07436	1.18E-02	1.18E-02	1.11E-02	1.14E-02	1.07E-02	3.12E-03	2.99E-03	6.12E-03	3.05E-03	2.92E-03	5.97E-03	3.01E-03	2.88E-03	5.89E-03
888	490486.72, 3860835.12	0.07911	0.07692	1.20E-02	1.22E-02	1.13E-02	1.16E-02	1.09E-02	3.18E-03	3.10E-03	6.28E-03	3.11E-03	3.02E-03	6.13E-03	3.07E-03	2.98E-03	6.05E-03
889	490536.72, 3860835.12	0.08036	0.07813	1.22E-02	1.24E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.14E-03	6.38E-03	3.16E-03	3.07E-03	6.22E-03	3.11E-03	3.03E-03	6.14E-03
890	490586.72, 3860835.12	0.08172	0.07928	1.24E-02	1.26E-02	1.17E-02	1.20E-02	1.13E-02	3.29E-03	3.19E-03	6.48E-03	3.21E-03	3.11E-03	6.32E-03	3.17E-03	3.07E-03	6.24E-03
891	490636.72, 3860835.12	0.08319	0.08056	1.26E-02	1.28E-02	1.19E-02	1.22E-02	1.15E-02	3.35E-03	3.24E-03	6.59E-03	3.27E-03	3.16E-03	6.43E-03	3.22E-03	3.12E-03	6.35E-03
892	490686.72, 3860835.12	0.08484	0.08243	1.29E-02	1.31E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.32E-03	6.73E-03	3.33E-03	3.24E-03	6.57E-03	3.29E-03	3.19E-03	6.48E-03
893	490736.72, 3860835.12	0.08698	0.08492	1.32E-02	1.34E-02	1.25E-02	1.28E-02	1.20E-02	3.50E-03	3.42E-03	6.92E-03	3.42E-03	3.33E-03	6.75E-03	3.37E-03	3.29E-03	6.66E-03
894	490086.72, 3860885.12	0.06744	0.06413	1.02E-02	1.02E-02	9.65E-03	9.89E-03	9.33E-03	2.71E-03	2.58E-03	5.29E-03	2.65E-03	2.52E-03	5.17E-03	2.61E-03	2.48E-03	5.10E-03
895	490136.72, 3860885.12	0.06814	0.06465	1.04E-02	1.02E-02	9.75E-03	9.99E-03	9.42E-03	2.74E-03	2.60E-03	5.34E-03	2.68E-03	2.54E-03	5.21E-03	2.64E-03	2.51E-03	5.15E-03
896	490186.72, 3860885.12	0.0689	0.0649	1.05E-02	1.03E-02	9.86E-03	1.01E-02	9.53E-03	2.77E-03	2.61E-03	5.38E-03	2.71E-03	2.55E-03	5.25E-03	2.67E-03	2.51E-03	5.18E-03
897	490236.72, 3860885.12	0.06973	0.06547	1.06E-02	1.04E-02	9.98E-03	1.02E-02	9.64E-03	2.81E-03	2.63E-03	5.44E-03	2.74E-03	2.57E-03	5.31E-03	2.70E-03	2.54E-03	5.24E-03
898	490286.72, 3860885.12	0.07106	0.06676	1.08E-02	1.06E-02	1.02E-02	1.04E-02	9.83E-03	2.86E-03	2.69E-03	5.55E-03	2.79E-03	2.62E-03	5.41E-03	2.75E-03	2.59E-03	5.34E-03
899	490336.72, 3860885.12	0.07264	0.06805	1.10E-02	1.08E-02	1.04E-02	1.07E-02	1.00E-02	2.92E-03	2.74E-03	5.66E-03	2.85E-03	2.67E-03	5.52E-03	2.81E-03	2.64E-03	5.45E-03
900	490386.72, 3860885.12	0.07443	0.0694	1.13E-02	1.10E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	2.79E-03	5.79E-03	2.92E-03	2.73E-03	5.65E-03	2.88E-03	2.69E-03	5.57E-03
901	490436.72, 3860885.12	0.07576	0.07152	1.15E-02	1.13E-02	1.08E-02	1.11E-02	1.05E-02	3.05E-03	2.88E-03	5.93E-03	2.98E-03	2.81E-03	5.78E-03	2.94E-03	2.77E-03	5.71E-03
902	490486.72, 3860885.12	0.07703	0.07379	1.17E-02	1.17E-02	1.10E-02	1.13E-02	1.07E-02	3.10E-03	2.97E-03	6.07E-03	3.02E-03	2.90E-03	5.92E-03	2.98E-03	2.86E-03	5.84E-03
903	490536.72, 3860885.12	0.07832	0.07625	1.19E-02	1.21E-02	1.12E-02	1.15E-02	1.08E-02	3.15E-03	3.07E-03	6.22E-03	3.08E-03	2.99E-03	6.07E-03	3.03E-03	2.95E-03	5.99E-03
904	490586.72, 3860885.12	0.07976	0.07806	1.21E-02	1.24E-02	1.14E-02	1.17E-02	1.10E-02	3.21E-03	3.14E-03	6.35E-03	3.13E-03	3.07E-03	6.20E-03	3.09E-03	3.02E-03	6.12E-03
905	490636.72, 3860885.12	0.08103	0.0792	1.23E-02	1.25E-02	1.16E-02	1.19E-02	1.12E-02	3.26E-03	3.19E-03	6.45E-03	3.18E-03	3.11E-03	6.29E-03	3.14E-03	3.07E-03	6.21E-03
906	490686.72, 3860885.12	0.08252	0.08043	1.25E-02	1.27E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.24E-03	6.56E-03	3.24E-03	3.16E-03	6.40E-03	3.20E-03	3.12E-03	6.31E-03
907	490736.72, 3860885.12	0.08427	0.08199	1.28E-02	1.30E-02	1.21E-02	1.24E-02	1.17E-02	3.39E-03	3.30E-03	6.69E-03	3.31E-03	3.22E-03	6.53E-03	3.27E-03	3.18E-03	6.44E-03
908	490086.72, 3860935.12	0.06612	0.06326	1.00E-02	1.00E-02	9.47E-03	9.70E-03	9.14E-03	2.66E-03	2.55E-03	5.21E-03	2.60E-03	2.48E-03	5.08E-03	2.56E-03	2.45E-03	5.01E-03
909	490136.72, 3860935.12	0.06666	0.06343	1.01E-02	1.00E-02	9.54E-03	9.77E-03	9.22E-03	2.68E-03	2.55E-03	5.24E-03	2.62E-03	2.49E-03	5.11E-03	2.58E-03	2.46E-03	5.04E-03
910	490186.72, 3860935.12	0.06744	0.06376	1.02E-02	1.01E-02	9.65E-03	9.89E-03	9.33E-03	2.71E-03	2.57E-03	5.28E-03	2.65E-03	2.50E-03	5.15E-03	2.61E-03	2.47E-03	5.08E-03
911	490236.72, 3860935.12	0.0684	0.06412	1.04E-02	1.02E-02	9.79E-03	1.00E-02	9.46E-03	2.75E-03	2.58E-03	5.33E-03	2.69E-03	2.52E-03	5.20E-03	2.65E-03	2.48E-03	5.13E-03
912	490286.72, 3860935.12	0.0694	0.06479	1.05E-02	1.03E-02	9.94E-03	1.02E-02	9.60E-03	2.79E-03	2.61E-03	5.40E-03	2.73E-03	2.54E-03	5.27E-03	2.69E-03	2.51E-03	5.20E-03
913	490336.72, 3860935.12	0.07045	0.06614	1.07E-02	1.05E-02	1.01E-02	1.03E-02	9.74E-03	2.84E-03	2.66E-03	5.50E-03	2.77E-03	2.60E-03	5.36E-03	2.73E-03	2.56E-03	5.29E-03
914	490386.72, 3860935.12	0.07208	0.06746	1.10E-02	1.07E-02	1.03E-02	1.06E-02	9.97E-03	2.90E-03	2.71E-03	5.62E-03	2.83E-03	2.65E-03	5.48E-03	2.79E-03	2.61E-03	5.41E-03
915	490436.72, 3860935.12	0.07377	0.06908	1.12E-02	1.09E-02	1.06E-02	1.08E-02	1.02E-02	2.97E-03	2.78E-03	5.75E-03	2.90E-03	2.71E-03	5.61E-03	2.86E-03	2.68E-03	5.54E-03
916	490486.72, 3860935.12	0.07536	0.07107	1.15E-02	1.13E-02	1.08E-02	1.10E-02	1.04E-02	3.03E-03	2.86E-03	5.89E-03	2.96E-03	2.79E-03	5.75E-03	2.92E-03	2.75E-03	5.67E-03
917	490536.72, 3860935.12	0.07681	0.07331	1.17E-02	1.16E-02	1.10E-02	1.13E-02	1.06E-02	3.09E-03	2.95E-03	6.04E-03	3.02E-03	2.88E-03	5.90E-03	2.98E-03	2.84E-03	5.82E-03
918	490586.72, 3860935.12	0.07807	0.07562	1.19E-02	1.20E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	3.04E-03	6.18E-03	3.07E-03	2.97E-03	6.04E-03	3.03E-03	2.93E-03	5.96E-03
919	490636.72, 3860935.12	0.07929	0.07811	1.20E-02	1.24E-02	1.14E-02	1.16E-02	1.10E-02	3.19E-03	3.14E-03	6.33E-03	3.11E-03	3.07E-03	6.18E-03	3.07E-03	3.03E-03	6.10E-03
920	490686.72, 3860935.12	0.08111	0.07951	1.23E-02	1.26E-02	1.16E-02	1.19E-02	1.12E-02	3.26E-03	3.20E-03	6.46E-03	3.19E-03	3.12E-03	6.31E-03	3.14E-03	3.08E-03	6.22E-03

921 490736.72, 3860935.12	0.0826	0.08051	1.26E-02	1.27E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.24E-03	6.56E-03	3.24E-03	3.16E-03	6.41E-03	3.20E-03	3.12E-03	6.32E-03
922 490786.72, 3860935.12	0.08433	0.08224	1.28E-02	1.30E-02	1.21E-02	1.24E-02	1.17E-02	3.39E-03	3.31E-03	6.70E-03	3.31E-03	3.23E-03	6.54E-03	3.27E-03	3.19E-03	6.45E-03
923 490836.72, 3860935.12	0.0864	0.084	1.31E-02	1.33E-02	1.24E-02	1.27E-02	1.19E-02	3.48E-03	3.38E-03	6.86E-03	3.39E-03	3.30E-03	6.69E-03	3.35E-03	3.25E-03	6.60E-03
924 490086.72, 3860985.12	0.06494	0.06229	9.87E-03	9.86E-03	9.30E-03	9.52E-03	8.98E-03	2.61E-03	2.51E-03	5.12E-03	2.55E-03	2.45E-03	5.00E-03	2.52E-03	2.41E-03	4.93E-03
925 490136.72, 3860985.12	0.06553	0.06253	9.96E-03	9.90E-03	9.38E-03	9.61E-03	9.06E-03	2.64E-03	2.52E-03	5.15E-03	2.57E-03	2.46E-03	5.03E-03	2.54E-03	2.42E-03	4.96E-03
926 490186.72, 3860985.12	0.06622	0.06287	1.01E-02	9.95E-03	9.48E-03	9.71E-03	9.16E-03	2.66E-03	2.53E-03	5.19E-03	2.60E-03	2.47E-03	5.07E-03	2.57E-03	2.44E-03	5.00E-03
927 490236.72, 3860985.12	0.06691	0.06305	1.02E-02	9.98E-03	9.58E-03	9.81E-03	9.25E-03	2.69E-03	2.54E-03	5.23E-03	2.63E-03	2.48E-03	5.10E-03	2.59E-03	2.44E-03	5.04E-03
928 490286.72, 3860985.12	0.06783	0.06353	1.03E-02	1.01E-02	9.71E-03	9.95E-03	9.38E-03	2.73E-03	2.56E-03	5.29E-03	2.66E-03	2.49E-03	5.16E-03	2.63E-03	2.46E-03	5.09E-03
929 490336.72, 3860985.12	0.0688	0.06426	1.05E-02	1.02E-02	9.85E-03	1.01E-02	9.52E-03	2.77E-03	2.59E-03	5.35E-03	2.70E-03	2.52E-03	5.23E-03	2.67E-03	2.49E-03	5.16E-03
930 490386.72, 3860985.12	0.06983	0.06559	1.06E-02	1.04E-02	1.00E-02	1.02E-02	9.66E-03	2.81E-03	2.64E-03	5.45E-03	2.74E-03	2.58E-03	5.32E-03	2.71E-03	2.54E-03	5.25E-03
931 490436.72, 3860985.12	0.07135	0.06703	1.08E-02	1.06E-02	1.02E-02	1.05E-02	9.87E-03	2.87E-03	2.70E-03	5.57E-03	2.80E-03	2.63E-03	5.43E-03	2.76E-03	2.60E-03	5.36E-03
932 490486.72, 3860985.12	0.07293	0.06854	1.11E-02	1.09E-02	1.04E-02	1.07E-02	1.01E-02	2.93E-03	2.76E-03	5.69E-03	2.86E-03	2.69E-03	5.56E-03	2.83E-03	2.66E-03	5.48E-03
933 490536.72, 3860985.12	0.07458	0.0704	1.13E-02	1.11E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	2.83E-03	5.83E-03	2.93E-03	2.76E-03	5.69E-03	2.89E-03	2.73E-03	5.62E-03
934 490586.72, 3860985.12	0.07592	0.0725	1.15E-02	1.15E-02	1.09E-02	1.11E-02	1.05E-02	3.06E-03	2.92E-03	5.97E-03	2.98E-03	2.85E-03	5.83E-03	2.94E-03	2.81E-03	5.75E-03
935 490636.72, 3860985.12	0.0774	0.07488	1.18E-02	1.19E-02	1.11E-02	1.13E-02	1.07E-02	3.11E-03	3.01E-03	6.13E-03	3.04E-03	2.94E-03	5.98E-03	3.00E-03	2.90E-03	5.90E-03
936 490686.72, 3860985.12	0.07859	0.07738	1.19E-02	1.23E-02	1.13E-02	1.15E-02	1.09E-02	3.16E-03	3.11E-03	6.28E-03	3.09E-03	3.04E-03	6.12E-03	3.05E-03	3.00E-03	6.04E-03
937 490736.72, 3860985.12	0.0804	0.07876	1.22E-02	1.25E-02	1.15E-02	1.18E-02	1.11E-02	3.24E-03	3.17E-03	6.41E-03	3.16E-03	3.09E-03	6.25E-03	3.12E-03	3.05E-03	6.17E-03
938 490786.72, 3860985.12	0.08221	0.07984	1.25E-02	1.26E-02	1.18E-02	1.21E-02	1.14E-02	3.31E-03	3.21E-03	6.52E-03	3.23E-03	3.14E-03	6.36E-03	3.19E-03	3.09E-03	6.28E-03
939 490836.72, 3860985.12	0.0843	0.08223	1.28E-02	1.30E-02	1.21E-02	1.24E-02	1.17E-02	3.39E-03	3.31E-03	6.70E-03	3.31E-03	3.23E-03	6.54E-03	3.27E-03	3.19E-03	6.45E-03
940 490086.72, 3861035.12	0.06206	0.06055	9.43E-03	9.59E-03	8.88E-03	9.10E-03	8.58E-03	2.50E-03	2.44E-03	4.93E-03	2.44E-03	2.38E-03	4.81E-03	2.40E-03	2.35E-03	4.75E-03
941 490136.72, 3861035.12	0.06317	0.06083	9.60E-03	9.63E-03	9.04E-03	9.26E-03	8.74E-03	2.54E-03	2.45E-03	4.99E-03	2.48E-03	2.39E-03	4.87E-03	2.45E-03	2.36E-03	4.80E-03
942 490186.72, 3861035.12	0.06435	0.06123	9.78E-03	9.69E-03	9.21E-03	9.44E-03	8.90E-03	2.59E-03	2.46E-03	5.05E-03	2.53E-03	2.40E-03	4.93E-03	2.49E-03	2.37E-03	4.87E-03
943 490236.72, 3861035.12	0.06561	0.06207	9.97E-03	9.83E-03	9.39E-03	9.62E-03	9.07E-03	2.64E-03	2.50E-03	5.14E-03	2.58E-03	2.44E-03	5.01E-03	2.54E-03	2.41E-03	4.95E-03
944 490286.72, 3861035.12	0.06622	0.06253	1.01E-02	9.90E-03	9.48E-03	9.71E-03	9.16E-03	2.66E-03	2.52E-03	5.18E-03	2.60E-03	2.46E-03	5.06E-03	2.57E-03	2.42E-03	4.99E-03
945 490336.72, 3861035.12	0.06713	0.06306	1.02E-02	9.98E-03	9.61E-03	9.84E-03	9.28E-03	2.70E-03	2.54E-03	5.24E-03	2.64E-03	2.48E-03	5.11E-03	2.60E-03	2.44E-03	5.04E-03
946 490386.72, 3861035.12	0.06828	0.06402	1.04E-02	1.01E-02	9.77E-03	1.00E-02	9.44E-03	2.75E-03	2.58E-03	5.32E-03	2.68E-03	2.51E-03	5.20E-03	2.65E-03	2.48E-03	5.13E-03
947 490436.72, 3861035.12	0.06935	0.06515	1.05E-02	1.03E-02	9.93E-03	1.02E-02	9.59E-03	2.79E-03	2.62E-03	5.41E-03	2.72E-03	2.56E-03	5.28E-03	2.69E-03	2.52E-03	5.21E-03
948 490486.72, 3861035.12	0.0704	0.06641	1.07E-02	1.05E-02	1.01E-02	1.03E-02	9.74E-03	2.83E-03	2.67E-03	5.51E-03	2.76E-03	2.61E-03	5.37E-03	2.73E-03	2.57E-03	5.30E-03
949 490536.72, 3861035.12	0.07196	0.06787	1.09E-02	1.07E-02	1.03E-02	1.06E-02	9.95E-03	2.90E-03	2.73E-03	5.63E-03	2.83E-03	2.67E-03	5.49E-03	2.79E-03	2.63E-03	5.42E-03
950 490586.72, 3861035.12	0.07357	0.06973	1.12E-02	1.10E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	2.81E-03	5.77E-03	2.89E-03	2.74E-03	5.63E-03	2.85E-03	2.70E-03	5.55E-03
951 490636.72, 3861035.12	0.07496	0.07176	1.14E-02	1.14E-02	1.07E-02	1.10E-02	1.04E-02	3.02E-03	2.89E-03	5.90E-03	2.94E-03	2.82E-03	5.76E-03	2.90E-03	2.78E-03	5.69E-03
952 490686.72, 3861035.12	0.07635	0.074	1.16E-02	1.17E-02	1.09E-02	1.12E-02	1.06E-02	3.07E-03	2.98E-03	6.05E-03	3.00E-03	2.91E-03	5.90E-03	2.96E-03	2.87E-03	5.83E-03
953 490736.72, 3861035.12	0.07785	0.07647	1.18E-02	1.21E-02	1.11E-02	1.14E-02	1.08E-02	3.13E-03	3.08E-03	6.21E-03	3.06E-03	3.00E-03	6.06E-03	3.02E-03	2.96E-03	5.98E-03
954 490786.72, 3861035.12	0.07958	0.07808	1.21E-02	1.24E-02	1.14E-02	1.17E-02	1.10E-02	3.20E-03	3.14E-03	6.34E-03	3.13E-03	3.07E-03	6.19E-03	3.08E-03	3.03E-03	6.11E-03
955 490836.72, 3861035.12	0.08144	0.07904	1.24E-02	1.25E-02	1.17E-02	1.19E-02	1.13E-02	3.28E-03	3.18E-03	6.46E-03	3.20E-03	3.10E-03	6.30E-03	3.16E-03	3.06E-03	6.22E-03
956 490086.72, 3861085.12	0.06024	0.05949	9.15E-03	9.42E-03	8.62E-03	8.83E-03	8.33E-03	2.42E-03	2.39E-03	4.82E-03	2.37E-03	2.34E-03	4.70E-03	2.33E-03	2.31E-03	4.64E-03
957 490136.72, 3861085.12	0.06138	0.05988	9.33E-03	9.48E-03	8.79E-03	9.00E-03	8.49E-03	2.47E-03	2.41E-03	4.88E-03	2.41E-03	2.35E-03	4.76E-03	2.38E-03	2.32E-03	4.70E-03
958 490186.72, 3861085.12	0.06187	0.06027	9.40E-03	9.54E-03	8.86E-03	9.07E-03	8.56E-03	2.49E-03	2.43E-03	4.92E-03	2.43E-03	2.37E-03	4.80E-03	2.40E-03	2.34E-03	4.73E-03
959 490236.72, 3861085.12	0.06235	0.06062	9.47E-03	9.60E-03	8.93E-03	9.14E-03	8.62E-03	2.51E-03	2.44E-03	4.95E-03	2.45E-03	2.38E-03	4.83E-03	2.42E-03	2.35E-03	4.76E-03
960 490286.72, 3861085.12	0.06278	0.06108	9.54E-03	9.67E-03	8.99E-03	9.21E-03	8.68E-03	2.53E-03	2.46E-03	4.98E-03	2.47E-03	2.40E-03	4.86E-03	2.43E-03	2.37E-03	4.80E-03
961 490336.72, 3861085.12	0.06378	0.06164	9.69E-03	9.76E-03	9.13E-03	9.35E-03	8.82E-03	2.57E-03	2.48E-03	5.05E-03	2.50E-03	2.42E-03	4.93E-03	2.47E-03	2.39E-03	4.86E-03
962 490386.72, 3861085.12	0.06527	0.06247	9.92E-03	9.89E-03	9.34E-03	9.57E-03	9.03E-03	2.63E-03	2.51E-03	5.14E-03	2.56E-03	2.45E-03	5.02E-03	2.53E-03	2.42E-03	4.95E-03
963 490436.72, 3861085.12	0.0668	0.06363	1.02E-02	1.01E-02	9.56E-03	9.79E-03	9.24E-03	2.69E-03	2.56E-03	5.25E-03	2.62E-03	2.50E-03	5.12E-03	2.59E-03	2.47E-03	5.05E-03
964 490486.72, 3861085.12	0.0684	0.06475	1.04E-02	1.03E-02	9.79E-03	1.00E-02	9.46E-03	2.75E-03	2.61E-03	5.36E-03	2.69E-03	2.54E-03	5.23E-03	2.65E-03	2.51E-03	5.16E-03
965 490536.72, 3861085.12	0.0697	0.066	1.06E-02	1.04E-02	9.98E-03	1.02E-02	9.64E-03	2.80E-03	2.66E-03	5.46E-03	2.74E-03	2.59E-03	5.33E-03	2.70E-03	2.56E-03	5.26E-03
966 490586.72, 3861085.12	0.07099	0.06725	1.08E-02	1.06E-02	1.02E-02	1.04E-02	9.82E-03	2.86E-03	2.71E-03	5.56E-03	2.79E-03	2.64E-03	5.43E-03	2.75E-03	2.61E-03	5.36E-03
967 490636.72, 3861085.12	0.0726	0.06907	1.10E-02	1.09E-02	1.04E-02	1.06E-02	1.00E-02	2.92E-03	2.78E-03	5.70E-03	2.85E-03	2.71E-03	5.56E-03	2.81E-03	2.68E-03	5.49E-03
968 490686.72, 3861085.12	0.07422	0.0711	1.13E-02	1.13E-02	1.06E-02	1.09E-02	1.03E-02	2.99E-03	2.86E-03	5.85E-03	2.91E-03	2.79E-03	5.71E-03	2.88E-03	2.76E-03	5.63E-03
969 490736.72, 3861085.12	0.07567	0.07342	1.15E-02	1.16E-02	1.08E-02	1.11E-02	1.05E-02	3.05E-03	2.95E-03	6.00E-03	2.97E-03	2.88E-03	5.85E-03	2.93E-03	2.84E-03	5.78E-03
970 490786.72, 3861085.12	0.07726	0.07592	1.17E-02	1.20E-02	1.11E-02	1.13E-02	1.07E-02	3.11E-03	3.06E-03	6.16E-03	3.03E-03	2.98E-03	6.02E-03	2.99E-03	2.94E-03	5.94E-03
971 490836.72, 3861085.12	0.07902	0.07734	1.20E-02	1.22E-02	1.13E-02	1.16E-02	1.09E-02	3.18E-03	3.11E-03	6.29E-03	3.10E-03	3.04E-03	6.14E-03	3.06E-03	3.00E-03	6.06E-03
972 490086.72, 3861135.12	0.05856	0.05862	8.90E-03	9.28E-03	8.38E-03	8.59E-03	8.10E-03	2.36E-03	2.36E-03	4.72E-03	2.30E-03	2.30E-03	4.60E-03	2.27E-03	2.27E-03	4.54E-03
973 490136.72, 3861135.12	0.05973	0.05935	9.08E-03	9.40E-03	8.55E-03	8.76E-03	8.26E-03	2.40E-03	2.39E-03	4.79E-03	2.35E-03	2.33E-03	4.68E-03	2.31E-03	2.30E-03	4.61E-03
974 490186.72, 3861135.12	0.06086	0.05969	9.25E-03	9.45E-03	8.71E-03	8.92E-03	8.42E-03	2.45E-03	2.40E-03	4.85E-03	2.39E-03	2.34E-03	4.73E-03	2.36E-03	2.31E-03	4.67E-03
975 490236.72, 3861135.12	0.06133	0.06005	9.32E-03	9.51E-03	8.78E-03	8.99E-03	8.48E-03	2.47E-03	2.42E-03	4.88E-03	2.41E-03	2.36E-03	4.77E-03	2.38E-03	2.33E-03	4.70E-03
976 490286.72, 3861135.12	0.06183	0.06047	9.40E-03	9.57E-03	8.85E-03	9.07E-03	8.55E-03	2.49E-03	2.43E-03	4.92E-03	2.43E-03	2.37E-03	4.80E-03	2.40E-03	2.34E-03	4.74E-03
977 490336.72, 3861135.12	0.06234	0.06097	9.47E-03	9.65E-03	8.92E-03	9.14E-03	8.62E-03	2.51E-03	2.45E-03	4.96E-03	2.45E-03	2.39E-03	4.84E-03	2.42E-03	2.36E-03	4.78E-03
978 490386.72, 3861135.12	0.06298	0.0616	9.57E-03	9.75E-03	9.02E-03	9.23E-03	8.71E-03	2.53E-03	2.48E-03	5.01E-03	2.47E-03	2.42E-03	4.89E-03	2.44E-03	2.39E-03	4.83E-03
979 490436.72, 3861135.12	0.06379	0.06261	9.69E-03	9.91E-03	9.13E-03	9.35E-03	8.82E-03	2.57E-03	2.52E-03	5.09E-03	2.51E-03	2.46E-03	4.96E-03	2.47E-03	2.43E-03	4.90E-03
980 490486.72, 3861135.12	0.0646	0.06378	9.82E-03	1.01E-02	9.25E-03	9.47E-03	8.93E-03	2.60E-03	2.57E-03	5.17E-03	2.54E-03	2.50E-03	5.04E-03	2.50E-03	2.47E-03	4.97E-03
981 490536.72, 3861135.12	0.06546	0.06481	9.95E-03	1.03E-02	9.37E-03	9.60E-03	9.05E-03	2.63E-03	2.61E-03	5.24E-03	2.57E-03	2.55E-03	5.12E-03	2.54E-03	2.51E-03	5.05E-03
982 490586.72, 3861135.12	0.06691	0.06539	1.02E-02	1.04E-02	9.58E-03	9.81E-03	9.25E-03	2.69E-03	2.63E-03	5.32E-03	2.63E-03	2.57E-03	5.20E-03	2.59E-03	2.53E-03	5.13E-03
983 490636.72, 3861135.12	0.06865	0.06594	1.04E-02	1.04E-02	9.83E-03	1.01E-02	9.49E-03	2.76E-03	2.65E-03	5.42E-03	2.70E-03	2.59E-03	5.29E-03	2.66E-03	2.56E-03	5.22E-03
984 490686.72, 3861135.12	0.07087	0.06776	1.08E-02	1.07E-02	1.01E-02	1.04E-02	9.80E-03	2.85E-03	2.73E-03	5.58E-03	2.78E-03	2.66E-03	5.44E-03	2.75E-03	2.63E-03	5.37E-03
985 490736.72, 3861135.12	0.07331	0.07053	1.11E-02	1.12E-02	1.05E-02	1.07E-02	1.01E-02	2.95E-03	2.84E-03	5.79E-03	2.88E-03	2.77E-03	5.65E-03	2.84E-03	2.73E-03	5.57E-03
986 490786.72, 3861135.12	0.07522	0.07305	1.14E-02	1.16E-02	1.08E-02	1.10E-02	1.04E-02	3.03E-03	2.94E-03	5.97E-03	2.95E-03	2.87E-03	5.82E-03	2.91E-03	2.83E-03	5.75E-03

987	490836.72, 3861135.12	0.07671	0.07545	1.17E-02	1.19E-02	1.10E-02	1.12E-02	1.06E-02	3.09E-03	3.04E-03	6.12E-03	3.01E-03	2.96E-03	5.98E-03	2.97E-03	2.92E-03	5.90E-03
988	490086.72, 3861185.12	0.05748	0.05807	8.73E-03	9.19E-03	8.23E-03	8.43E-03	7.95E-03	2.31E-03	2.34E-03	4.65E-03	2.26E-03	2.28E-03	4.54E-03	2.23E-03	2.25E-03	4.48E-03
989	490136.72, 3861185.12	0.05818	0.05883	8.84E-03	9.31E-03	8.33E-03	8.53E-03	8.05E-03	2.34E-03	2.37E-03	4.71E-03	2.28E-03	2.31E-03	4.59E-03	2.25E-03	2.28E-03	4.53E-03
990	490186.72, 3861185.12	0.05933	0.0594	9.02E-03	9.40E-03	8.49E-03	8.70E-03	8.21E-03	2.39E-03	2.39E-03	4.78E-03	2.33E-03	2.33E-03	4.66E-03	2.30E-03	2.30E-03	4.60E-03
991	490236.72, 3861185.12	0.0605	0.05975	9.19E-03	9.46E-03	8.66E-03	8.87E-03	8.37E-03	2.43E-03	2.40E-03	4.84E-03	2.38E-03	2.35E-03	4.72E-03	2.34E-03	2.32E-03	4.66E-03
992	490286.72, 3861185.12	0.061	0.0602	9.27E-03	9.53E-03	8.73E-03	8.94E-03	8.44E-03	2.45E-03	2.42E-03	4.88E-03	2.40E-03	2.36E-03	4.76E-03	2.36E-03	2.33E-03	4.70E-03
993	490336.72, 3861185.12	0.06152	0.06059	9.35E-03	9.59E-03	8.81E-03	9.02E-03	8.51E-03	2.48E-03	2.44E-03	4.91E-03	2.42E-03	2.38E-03	4.80E-03	2.38E-03	2.35E-03	4.73E-03
994	490386.72, 3861185.12	0.06204	0.06117	9.43E-03	9.69E-03	8.88E-03	9.10E-03	8.58E-03	2.50E-03	2.46E-03	4.96E-03	2.44E-03	2.40E-03	4.84E-03	2.40E-03	2.37E-03	4.77E-03
995	490436.72, 3861185.12	0.06276	0.06202	9.54E-03	9.82E-03	8.98E-03	9.20E-03	8.68E-03	2.53E-03	2.50E-03	5.02E-03	2.46E-03	2.44E-03	4.90E-03	2.43E-03	2.40E-03	4.84E-03
996	490486.72, 3861185.12	0.06359	0.0631	9.66E-03	9.99E-03	9.10E-03	9.32E-03	8.79E-03	2.56E-03	2.54E-03	5.10E-03	2.50E-03	2.48E-03	4.98E-03	2.46E-03	2.45E-03	4.91E-03
997	490536.72, 3861185.12	0.06442	0.06435	9.79E-03	1.02E-02	9.22E-03	9.45E-03	8.91E-03	2.59E-03	2.59E-03	5.18E-03	2.53E-03	2.53E-03	5.06E-03	2.50E-03	2.49E-03	4.99E-03
998	490586.72, 3861185.12	0.06523	0.06525	9.91E-03	1.03E-02	9.34E-03	9.56E-03	9.02E-03	2.63E-03	2.63E-03	5.25E-03	2.56E-03	2.56E-03	5.12E-03	2.53E-03	2.53E-03	5.06E-03
999	490636.72, 3861185.12	0.066	0.0658	1.00E-02	1.04E-02	9.45E-03	9.68E-03	9.13E-03	2.66E-03	2.65E-03	5.30E-03	2.59E-03	2.58E-03	5.18E-03	2.56E-03	2.55E-03	5.11E-03
1000	490686.72, 3861185.12	0.067	0.0664	1.02E-02	1.05E-02	9.59E-03	9.82E-03	9.27E-03	2.70E-03	2.67E-03	5.37E-03	2.63E-03	2.61E-03	5.24E-03	2.60E-03	2.57E-03	5.17E-03
1001	490736.72, 3861185.12	0.06825	0.06708	1.04E-02	1.06E-02	9.77E-03	1.00E-02	9.44E-03	2.75E-03	2.70E-03	5.45E-03	2.68E-03	2.63E-03	5.31E-03	2.64E-03	2.60E-03	5.24E-03
1002	490786.72, 3861185.12	0.0701	0.06799	1.07E-02	1.08E-02	1.00E-02	1.03E-02	9.70E-03	2.82E-03	2.74E-03	5.56E-03	2.75E-03	2.67E-03	5.42E-03	2.72E-03	2.63E-03	5.35E-03
1003	490836.72, 3861185.12	0.07231	0.07026	1.10E-02	1.11E-02	1.04E-02	1.06E-02	1.00E-02	2.91E-03	2.83E-03	5.74E-03	2.84E-03	2.76E-03	5.60E-03	2.80E-03	2.72E-03	5.52E-03
1004	490086.72, 3861235.12	0.05633	0.05751	8.56E-03	9.11E-03	8.06E-03	8.26E-03	7.79E-03	2.27E-03	2.31E-03	4.58E-03	2.21E-03	2.26E-03	4.47E-03	2.18E-03	2.23E-03	4.41E-03
1005	490136.72, 3861235.12	0.05732	0.05851	8.71E-03	9.26E-03	8.21E-03	8.40E-03	7.93E-03	2.31E-03	2.35E-03	4.66E-03	2.25E-03	2.30E-03	4.55E-03	2.22E-03	2.27E-03	4.49E-03
1006	490186.72, 3861235.12	0.05799	0.05933	8.81E-03	9.39E-03	8.30E-03	8.50E-03	8.02E-03	2.33E-03	2.39E-03	4.72E-03	2.28E-03	2.33E-03	4.61E-03	2.25E-03	2.30E-03	4.55E-03
1007	490236.72, 3861235.12	0.05912	0.05972	8.98E-03	9.46E-03	8.46E-03	8.67E-03	8.18E-03	2.38E-03	2.40E-03	4.78E-03	2.32E-03	2.35E-03	4.67E-03	2.29E-03	2.31E-03	4.60E-03
1008	490386.72, 3861235.12	0.0613	0.06102	9.31E-03	9.66E-03	8.78E-03	8.99E-03	8.48E-03	2.47E-03	2.46E-03	4.92E-03	2.41E-03	2.40E-03	4.80E-03	2.38E-03	2.36E-03	4.74E-03
1009	490436.72, 3861235.12	0.06182	0.06165	9.39E-03	9.76E-03	8.85E-03	9.06E-03	8.55E-03	2.49E-03	2.48E-03	4.97E-03	2.43E-03	2.42E-03	4.85E-03	2.40E-03	2.39E-03	4.78E-03
1010	490486.72, 3861235.12	0.06261	0.06268	9.51E-03	9.92E-03	8.96E-03	9.18E-03	8.66E-03	2.52E-03	2.52E-03	5.04E-03	2.46E-03	2.46E-03	4.92E-03	2.43E-03	2.43E-03	4.85E-03
1011	490536.72, 3861235.12	0.06354	0.06392	9.66E-03	1.01E-02	9.10E-03	9.32E-03	8.79E-03	2.56E-03	2.57E-03	5.13E-03	2.50E-03	2.51E-03	5.01E-03	2.46E-03	2.48E-03	4.94E-03
1012	490586.72, 3861235.12	0.0643	0.06519	9.77E-03	1.03E-02	9.21E-03	9.43E-03	8.89E-03	2.59E-03	2.62E-03	5.21E-03	2.53E-03	2.56E-03	5.09E-03	2.49E-03	2.53E-03	5.02E-03
1013	490636.72, 3861235.12	0.06507	0.06591	9.89E-03	1.04E-02	9.32E-03	9.54E-03	9.00E-03	2.62E-03	2.65E-03	5.27E-03	2.56E-03	2.59E-03	5.14E-03	2.52E-03	2.55E-03	5.08E-03
1014	490686.72, 3861235.12	0.06599	0.06654	1.00E-02	1.05E-02	9.45E-03	9.68E-03	9.13E-03	2.66E-03	2.68E-03	5.33E-03	2.59E-03	2.61E-03	5.20E-03	2.56E-03	2.58E-03	5.14E-03
1015	490736.72, 3861235.12	0.06717	0.06722	1.02E-02	1.06E-02	9.62E-03	9.85E-03	9.29E-03	2.70E-03	2.71E-03	5.41E-03	2.64E-03	2.64E-03	5.28E-03	2.60E-03	2.60E-03	5.21E-03
1016	490786.72, 3861235.12	0.06862	0.06793	1.04E-02	1.08E-02	9.82E-03	1.01E-02	9.49E-03	2.76E-03	2.73E-03	5.50E-03	2.69E-03	2.67E-03	5.36E-03	2.66E-03	2.63E-03	5.29E-03
1017	490836.72, 3861235.12	0.07034	0.06862	1.07E-02	1.09E-02	1.01E-02	1.03E-02	9.73E-03	2.83E-03	2.76E-03	5.59E-03	2.76E-03	2.69E-03	5.46E-03	2.73E-03	2.66E-03	5.38E-03
1018	490086.72, 3861285.12	0.05566	0.05714	8.46E-03	9.05E-03	7.97E-03	8.16E-03	7.70E-03	2.24E-03	2.30E-03	4.54E-03	2.19E-03	2.24E-03	4.43E-03	2.16E-03	2.21E-03	4.37E-03
1019	490136.72, 3861285.12	0.05631	0.05789	8.56E-03	9.17E-03	8.06E-03	8.26E-03	7.79E-03	2.27E-03	2.33E-03	4.60E-03	2.21E-03	2.27E-03	4.48E-03	2.18E-03	2.24E-03	4.43E-03
1020	490186.72, 3861285.12	0.05688	0.05859	8.64E-03	9.28E-03	8.14E-03	8.34E-03	7.87E-03	2.29E-03	2.36E-03	4.65E-03	2.23E-03	2.30E-03	4.53E-03	2.20E-03	2.27E-03	4.47E-03
1021	490236.72, 3861285.12	0.05749	0.05934	8.74E-03	9.40E-03	8.23E-03	8.43E-03	7.95E-03	2.31E-03	2.39E-03	4.70E-03	2.26E-03	2.33E-03	4.59E-03	2.23E-03	2.30E-03	4.53E-03
1022	490386.72, 3861285.12	0.06017	0.06052	9.14E-03	9.58E-03	8.61E-03	8.82E-03	8.32E-03	2.42E-03	2.44E-03	4.86E-03	2.36E-03	2.38E-03	4.74E-03	2.33E-03	2.35E-03	4.68E-03
1023	490436.72, 3861285.12	0.06113	0.06153	9.29E-03	9.74E-03	8.75E-03	8.96E-03	8.45E-03	2.46E-03	2.48E-03	4.94E-03	2.40E-03	2.42E-03	4.82E-03	2.37E-03	2.38E-03	4.75E-03
1024	490486.72, 3861285.12	0.06166	0.06233	9.37E-03	9.87E-03	8.83E-03	9.04E-03	8.53E-03	2.48E-03	2.51E-03	4.99E-03	2.42E-03	2.45E-03	4.87E-03	2.39E-03	2.42E-03	4.80E-03
1025	490536.72, 3861285.12	0.06247	0.06339	9.49E-03	1.00E-02	8.94E-03	9.16E-03	8.64E-03	2.51E-03	2.55E-03	5.07E-03	2.45E-03	2.49E-03	4.94E-03	2.42E-03	2.46E-03	4.88E-03
1026	490586.72, 3861285.12	0.06345	0.06461	9.64E-03	1.02E-02	9.08E-03	9.30E-03	8.78E-03	2.55E-03	2.60E-03	5.15E-03	2.49E-03	2.54E-03	5.03E-03	2.46E-03	2.50E-03	4.96E-03
1027	490636.72, 3861285.12	0.06425	0.06567	9.76E-03	1.04E-02	9.20E-03	9.42E-03	8.89E-03	2.59E-03	2.64E-03	5.23E-03	2.52E-03	2.58E-03	5.10E-03	2.49E-03	2.54E-03	5.03E-03
1028	490686.72, 3861285.12	0.06538	0.06642	9.93E-03	1.05E-02	9.36E-03	9.59E-03	9.04E-03	2.63E-03	2.67E-03	5.30E-03	2.57E-03	2.61E-03	5.18E-03	2.53E-03	2.57E-03	5.11E-03
1029	490736.72, 3861285.12	0.06681	0.06729	1.02E-02	1.07E-02	9.56E-03	9.80E-03	9.24E-03	2.69E-03	2.71E-03	5.40E-03	2.62E-03	2.64E-03	5.27E-03	2.59E-03	2.61E-03	5.20E-03
1030	490786.72, 3861285.12	0.06808	0.06788	1.03E-02	1.07E-02	9.75E-03	9.98E-03	9.42E-03	2.74E-03	2.73E-03	5.47E-03	2.67E-03	2.67E-03	5.34E-03	2.64E-03	2.63E-03	5.27E-03
1031	490836.72, 3861285.12	0.0694	0.06846	1.05E-02	1.08E-02	9.94E-03	1.02E-02	9.60E-03	2.79E-03	2.76E-03	5.55E-03	2.73E-03	2.69E-03	5.41E-03	2.69E-03	2.65E-03	5.34E-03
1032	490061.24, 3859716.13	0.35388	0.33865	5.38E-02	5.36E-02	5.07E-02	5.19E-02	4.89E-02	1.42E-02	1.36E-02	2.79E-02	1.39E-02	1.33E-02	2.72E-02	1.37E-02	1.31E-02	2.68E-02
1033	490111.24, 3859716.13	0.40183	0.40237	6.11E-02	6.37E-02	5.75E-02	5.89E-02	5.56E-02	1.62E-02	1.62E-02	3.24E-02	1.58E-02	1.58E-02	3.16E-02	1.56E-02	1.56E-02	3.12E-02
1034	490161.24, 3859716.13	0.4576	0.45948	6.95E-02	7.28E-02	6.55E-02	6.71E-02	6.33E-02	1.84E-02	1.85E-02	3.69E-02	1.80E-02	1.80E-02	3.60E-02	1.77E-02	1.78E-02	3.55E-02
1035	490211.24, 3859716.13	0.5288	0.53366	8.04E-02	8.45E-02	7.57E-02	7.75E-02	7.31E-02	2.13E-02	2.15E-02	4.28E-02	2.08E-02	2.10E-02	4.17E-02	2.05E-02	2.07E-02	4.12E-02
1036	490061.24, 3859766.13	0.27905	0.27057	4.24E-02	4.28E-02	3.99E-02	4.09E-02	3.86E-02	1.12E-02	1.09E-02	2.21E-02	1.10E-02	1.06E-02	2.16E-02	1.08E-02	1.05E-02	2.13E-02
1037	490111.24, 3859766.13	0.30439	0.2941	4.63E-02	4.66E-02	4.36E-02	4.46E-02	4.21E-02	1.22E-02	1.18E-02	2.41E-02	1.20E-02	1.15E-02	2.35E-02	1.18E-02	1.14E-02	2.32E-02
1038	490161.24, 3859766.13	0.33628	0.31983	5.11E-02	5.06E-02	4.81E-02	4.93E-02	4.65E-02	1.35E-02	1.29E-02	2.64E-02	1.32E-02	1.26E-02	2.58E-02	1.30E-02	1.24E-02	2.54E-02
1039	490211.24, 3859766.13	0.36854	0.37084	5.60E-02	5.87E-02	5.28E-02	5.40E-02	5.10E-02	1.48E-02	1.49E-02	2.98E-02	1.45E-02	1.46E-02	2.90E-02	1.43E-02	1.44E-02	2.86E-02
1040	490061.24, 3859816.13	0.235	0.22465	3.57E-02	3.56E-02	3.36E-02	3.45E-02	3.25E-02	9.46E-03	9.04E-03	1.85E-02	9.23E-03	8.82E-03	1.81E-02	9.11E-03	8.70E-03	1.78E-02
1041	490111.24, 3859816.13	0.24965	0.23621	3.79E-02	3.74E-02	3.57E-02	3.66E-02	3.45E-02	1.00E-02	9.51E-03	1.96E-02	9.80E-03	9.28E-03	1.91E-02	9.67E-03	9.15E-03	1.88E-02
1042	490161.24, 3859816.13	0.26564	0.25302	4.04E-02	4.01E-02	3.80E-02	3.90E-02	3.67E-02	1.07E-02	1.02E-02	2.09E-02	1.04E-02	9.94E-03	2.04E-02	1.03E-02	9.80E-03	2.01E-02
1043	490211.24, 3859816.13	0.28448	0.27085	4.32E-02	4.29E-02	4.07E-02	4.17E-02	3.93E-02	1.14E-02	1.09E-02	2.23E-02	1.12E-02	1.06E-02	2.18E-02	1.10E-02	1.05E-02	2.15E-02
1044	490061.24, 3859866.13	0.20163	0.19833	3.06E-02	3.14E-02	2.89E-02	2.96E-02	2.79E-02	8.11E-03	7.98E-03	1.61E-02	7.92E-03	7.79E-03	1.57E-02	7.81E-03	7.68E-03	1.55E-02
1045	490111.24, 3859866.13	0.2128	0.20617	3.23E-02	3.26E-02	3.05E-02	3.12E-02	2.94E-02	8.56E-03	8.30E-03	1.69E-02	8.36E-03	8.10E-03	1.65E-02	8.25E-03	7.99E-03	1.62E-02
1046	490161.24, 3859866.13	0.2269	0.21611	3.45E-02	3.42E-02	3.25E-02	3.33E-02	3.14E-02	9.13E-03	8.70E-03	1.78E-02	8.91E-03	8.49E-03	1.74E-02	8.79E-03	8.37E-03	1.72E-02
1047	490211.24, 3859866.13	0.23922	0.22815	3.63E-02	3.61E-02	3.42E-02	3.51E-02	3.31E-02	9.63E-03	9.18E-03	1.88E-02	9.39E-03	8.96E-03	1.84E-02	9.27E-03	8.84E-03	1.81E-02
1048	490061.24, 3859916.13	0.17925	0.17851	2.72E-02	2.83E-02	2.57E-02	2.63E-02	2.48E-02	7.21E-03	7.18E-03	1.44E-02	7.04E-03	7.01E-03	1.40E-02	6.95E-03	6.92E-03	1.39E-02
1049	490111.24, 3859916.13	0.1877	0.18344	2.85E-02	2.90E-02	2.69E-02	2.75E-02	2.60E-02	7.55E-03	7.38E-03	1.49E-02	7.37E-03	7.20E-03	1.46E-02	7.27E-03	7.11E-03	1.44E-02
1050	490161.24, 3859916.13	0.1973	0.19269	3.00E-02	3.05E-02	2.82E-02	2.89E-02	2.73E-02	7.94E-03	7.75E-03	1.57E-02	7.75E-03	7.57E-03	1.53E-02	7.65E-03	7.47E-03	1.51E-02
1051	490211.24, 3859916.13	0.20996	0.20069	3.19E-02	3.18E-02	3.01E-02	3.08E-02	2.90E-02	8.45E-03	8.08E-03	1.65E-02	8.25E-03	7.88E-03	1.61E-02	8.14E-03	7.78E-03	1.59E-02
1052	490229.25, 3859815.26	0.29447	0.28035	4.47E-02	4.44E-02	4.22E-02	4.32E-02	4.07E-02	1.19E-02	1.13E-02	2.31E-02	1.16E-02	1.10E-02	2.26E-02	1.14E-02	1.09E-02	2.23E-02

1053 490279.25, 3859815.26	0.31944	0.31652	4.85E-02	5.01E-02	4.57E-02	4.68E-02	4.42E-02	1.29E-02	1.27E-02	2.56E-02	1.25E-02	1.24E-02	2.50E-02	1.24E-02	1.23E-02	2.46E-02
1054 490329.25, 3859815.26	0.34955	0.35422	5.31E-02	5.61E-02	5.00E-02	5.13E-02	4.83E-02	1.41E-02	1.43E-02	2.83E-02	1.37E-02	1.39E-02	2.76E-02	1.35E-02	1.37E-02	2.73E-02
1055 490379.25, 3859815.26	0.3935	0.40295	5.98E-02	6.38E-02	5.63E-02	5.77E-02	5.44E-02	1.58E-02	1.62E-02	3.21E-02	1.55E-02	1.58E-02	3.13E-02	1.52E-02	1.56E-02	3.09E-02
1056 490429.25, 3859815.26	0.46587	0.46172	7.08E-02	7.31E-02	6.67E-02	6.83E-02	6.44E-02	1.87E-02	1.86E-02	3.73E-02	1.83E-02	1.81E-02	3.64E-02	1.81E-02	1.79E-02	3.59E-02
1057 490229.25, 3859865.26	0.24377	0.23293	3.70E-02	3.69E-02	3.49E-02	3.57E-02	3.37E-02	9.81E-03	9.37E-03	1.92E-02	9.57E-03	9.15E-03	1.87E-02	9.45E-03	9.03E-03	1.85E-02
1058 490279.25, 3859865.26	0.25914	0.24854	3.94E-02	3.94E-02	3.71E-02	3.80E-02	3.58E-02	1.04E-02	1.00E-02	2.04E-02	1.02E-02	9.76E-03	1.99E-02	1.00E-02	9.63E-03	1.97E-02
1059 490329.25, 3859865.26	0.27505	0.2682	4.18E-02	4.25E-02	3.94E-02	4.03E-02	3.80E-02	1.11E-02	1.08E-02	2.19E-02	1.08E-02	1.05E-02	2.13E-02	1.07E-02	1.04E-02	2.11E-02
1060 490379.25, 3859865.26	0.29385	0.29386	4.47E-02	4.65E-02	4.21E-02	4.31E-02	4.06E-02	1.18E-02	1.18E-02	2.37E-02	1.15E-02	1.15E-02	2.31E-02	1.14E-02	1.14E-02	2.28E-02
1061 490429.25, 3859865.26	0.32035	0.32611	4.87E-02	5.16E-02	4.59E-02	4.70E-02	4.43E-02	1.29E-02	1.31E-02	2.60E-02	1.26E-02	1.28E-02	2.54E-02	1.24E-02	1.26E-02	2.50E-02
1062 490229.25, 3859915.26	0.21517	0.20405	3.27E-02	3.23E-02	3.08E-02	3.15E-02	2.98E-02	8.66E-03	8.21E-03	1.69E-02	8.45E-03	8.01E-03	1.65E-02	8.34E-03	7.91E-03	1.62E-02
1063 490279.25, 3859915.26	0.22354	0.21144	3.40E-02	3.35E-02	3.20E-02	3.28E-02	3.09E-02	9.00E-03	8.51E-03	1.75E-02	8.78E-03	8.30E-03	1.71E-02	8.66E-03	8.19E-03	1.69E-02
1064 490329.25, 3859915.26	0.23309	0.21925	3.54E-02	3.47E-02	3.34E-02	3.42E-02	3.22E-02	9.38E-03	8.82E-03	1.82E-02	9.15E-03	8.61E-03	1.78E-02	9.03E-03	8.50E-03	1.75E-02
1065 490379.25, 3859915.26	0.24748	0.23697	3.76E-02	3.75E-02	3.54E-02	3.63E-02	3.42E-02	9.96E-03	9.54E-03	1.95E-02	9.72E-03	9.31E-03	1.90E-02	9.59E-03	9.18E-03	1.88E-02
1066 490429.25, 3859915.26	0.26045	0.25717	3.96E-02	4.07E-02	3.73E-02	3.82E-02	3.60E-02	1.05E-02	1.03E-02	2.08E-02	1.02E-02	1.01E-02	2.03E-02	1.01E-02	9.96E-03	2.01E-02
1067 490451.43, 3859872.59	0.32031	0.327	4.87E-02	5.18E-02	4.59E-02	4.70E-02	4.43E-02	1.29E-02	1.32E-02	2.60E-02	1.26E-02	1.28E-02	2.54E-02	1.24E-02	1.27E-02	2.51E-02
1068 490501.43, 3859872.59	0.36493	0.36893	5.55E-02	5.84E-02	5.22E-02	5.35E-02	5.05E-02	1.47E-02	1.48E-02	2.95E-02	1.43E-02	1.45E-02	2.88E-02	1.41E-02	1.43E-02	2.84E-02
1069 490551.43, 3859872.59	0.43407	0.42773	6.60E-02	6.77E-02	6.21E-02	6.36E-02	6.00E-02	1.75E-02	1.72E-02	3.47E-02	1.70E-02	1.68E-02	3.38E-02	1.68E-02	1.66E-02	3.34E-02
1070 490601.43, 3859872.59	0.53981	0.52436	8.20E-02	8.30E-02	7.73E-02	7.92E-02	7.47E-02	2.17E-02	2.11E-02	4.28E-02	2.12E-02	2.06E-02	4.18E-02	2.09E-02	2.03E-02	4.12E-02
1071 490451.43, 3859922.59	0.26109	0.2601	3.97E-02	4.12E-02	3.74E-02	3.83E-02	3.61E-02	1.05E-02	1.05E-02	2.10E-02	1.03E-02	1.02E-02	2.05E-02	1.01E-02	1.01E-02	2.02E-02
1072 490501.43, 3859922.59	0.27911	0.27998	4.24E-02	4.43E-02	4.00E-02	4.09E-02	3.86E-02	1.12E-02	1.13E-02	2.25E-02	1.10E-02	1.10E-02	2.20E-02	1.08E-02	1.08E-02	2.17E-02
1073 490551.43, 3859922.59	0.30652	0.30992	4.66E-02	4.91E-02	4.39E-02	4.49E-02	4.24E-02	1.23E-02	1.25E-02	2.48E-02	1.20E-02	1.22E-02	2.42E-02	1.19E-02	1.20E-02	2.39E-02
1074 490601.43, 3859922.59	0.34708	0.35197	5.27E-02	5.57E-02	4.97E-02	5.09E-02	4.80E-02	1.40E-02	1.42E-02	2.81E-02	1.36E-02	1.38E-02	2.75E-02	1.34E-02	1.36E-02	2.71E-02
1075 482129.67, 3852241.07	0.25276	0.2554	3.84E-02	4.04E-02	3.62E-02	3.71E-02	3.50E-02	1.02E-02	1.03E-02	2.04E-02	9.93E-03	1.00E-02	2.00E-02	9.79E-03	9.90E-03	1.97E-02
1076 482029.67, 3852291.07	0.37689	0.38065	5.73E-02	6.03E-02	5.40E-02	5.53E-02	5.21E-02	1.52E-02	1.53E-02	3.05E-02	1.48E-02	1.49E-02	2.97E-02	1.46E-02	1.47E-02	2.94E-02
1077 482079.67, 3852291.07	0.32113	0.3231	4.88E-02	5.12E-02	4.60E-02	4.71E-02	4.44E-02	1.29E-02	1.30E-02	2.59E-02	1.26E-02	1.27E-02	2.53E-02	1.24E-02	1.25E-02	2.50E-02
1078 482129.67, 3852291.07	0.2798	0.28211	4.25E-02	4.47E-02	4.01E-02	4.10E-02	3.87E-02	1.13E-02	1.14E-02	2.26E-02	1.10E-02	1.11E-02	2.21E-02	1.08E-02	1.09E-02	2.18E-02
1079 482179.67, 3852291.07	0.24251	0.24556	3.68E-02	3.89E-02	3.47E-02	3.56E-02	3.35E-02	9.76E-03	9.88E-03	1.96E-02	9.52E-03	9.64E-03	1.92E-02	9.40E-03	9.52E-03	1.89E-02
1080 482229.67, 3852291.07	0.20993	0.2131	3.19E-02	3.37E-02	3.01E-02	3.08E-02	2.90E-02	8.45E-03	8.58E-03	1.70E-02	8.24E-03	8.37E-03	1.66E-02	8.13E-03	8.26E-03	1.64E-02
1081 482029.67, 3852341.07	0.468	0.47048	7.11E-02	7.45E-02	6.70E-02	6.86E-02	6.47E-02	1.88E-02	1.89E-02	3.78E-02	1.84E-02	1.85E-02	3.69E-02	1.81E-02	1.82E-02	3.64E-02
1082 482079.67, 3852341.07	0.37542	0.37858	5.70E-02	5.99E-02	5.37E-02	5.50E-02	5.19E-02	1.51E-02	1.52E-02	3.03E-02	1.47E-02	1.49E-02	2.96E-02	1.45E-02	1.47E-02	2.92E-02
1083 482129.67, 3852341.07	0.32021	0.32197	4.87E-02	5.10E-02	4.58E-02	4.70E-02	4.43E-02	1.29E-02	1.30E-02	2.58E-02	1.26E-02	1.26E-02	2.52E-02	1.24E-02	1.25E-02	2.49E-02
1084 482179.67, 3852341.07	0.27639	0.27869	4.20E-02	4.41E-02	3.96E-02	4.05E-02	3.82E-02	1.11E-02	1.12E-02	2.23E-02	1.09E-02	1.09E-02	2.18E-02	1.07E-02	1.08E-02	2.15E-02
1085 482259.06, 3852400.14	0.27197	0.27437	4.13E-02	4.34E-02	3.89E-02	3.99E-02	3.76E-02	1.09E-02	1.10E-02	2.20E-02	1.07E-02	1.08E-02	2.15E-02	1.05E-02	1.06E-02	2.12E-02
1086 482309.06, 3852400.14	0.2296	0.23168	3.49E-02	3.67E-02	3.29E-02	3.37E-02	3.18E-02	9.24E-03	9.32E-03	1.86E-02	9.02E-03	9.10E-03	1.81E-02	8.90E-03	8.98E-03	1.79E-02
1087 482209.06, 3852450.14	0.34966	0.35104	5.31E-02	5.56E-02	5.01E-02	5.13E-02	4.84E-02	1.41E-02	1.41E-02	2.82E-02	1.37E-02	1.38E-02	2.75E-02	1.35E-02	1.36E-02	2.72E-02
1088 482259.06, 3852450.14	0.30318	0.30569	4.61E-02	4.84E-02	4.34E-02	4.45E-02	4.19E-02	1.22E-02	1.23E-02	2.45E-02	1.19E-02	1.20E-02	2.39E-02	1.17E-02	1.18E-02	2.36E-02
1089 482309.06, 3852450.14	0.26173	0.26544	3.98E-02	4.20E-02	3.75E-02	3.84E-02	3.62E-02	1.05E-02	1.07E-02	2.12E-02	1.03E-02	1.04E-02	2.07E-02	1.01E-02	1.03E-02	2.04E-02
1090 482209.06, 3852500.14	0.41478	0.41873	6.30E-02	6.63E-02	5.94E-02	6.08E-02	5.74E-02	1.67E-02	1.69E-02	3.35E-02	1.63E-02	1.64E-02	3.27E-02	1.61E-02	1.62E-02	3.23E-02
1091 482259.06, 3852500.14	0.34875	0.34922	5.30E-02	5.53E-02	4.99E-02	5.11E-02	4.82E-02	1.40E-02	1.41E-02	2.81E-02	1.37E-02	1.37E-02	2.74E-02	1.35E-02	1.35E-02	2.70E-02
1092 482309.06, 3852500.14	0.29888	0.30184	4.54E-02	4.78E-02	4.28E-02	4.38E-02	4.13E-02	1.20E-02	1.21E-02	2.42E-02	1.17E-02	1.19E-02	2.36E-02	1.16E-02	1.17E-02	2.33E-02
1093 482283.91, 3852513.62	0.33591	0.3367	5.10E-02	5.33E-02	4.81E-02	4.93E-02	4.65E-02	1.35E-02	1.35E-02	2.71E-02	1.32E-02	1.32E-02	2.64E-02	1.30E-02	1.30E-02	2.61E-02
1094 482333.91, 3852513.62	0.29052	0.29348	4.41E-02	4.65E-02	4.16E-02	4.26E-02	4.02E-02	1.17E-02	1.18E-02	2.35E-02	1.14E-02	1.15E-02	2.29E-02	1.13E-02	1.14E-02	2.26E-02
1095 482283.91, 3852563.62	0.39481	0.39582	6.00E-02	6.27E-02	5.65E-02	5.79E-02	5.46E-02	1.59E-02	1.59E-02	3.18E-02	1.55E-02	1.55E-02	3.10E-02	1.53E-02	1.53E-02	3.06E-02
1096 482333.91, 3852563.62	0.33378	0.33484	5.07E-02	5.30E-02	4.78E-02	4.89E-02	4.62E-02	1.34E-02	1.35E-02	2.69E-02	1.31E-02	1.31E-02	2.63E-02	1.29E-02	1.30E-02	2.59E-02
1097 482383.91, 3852563.62	0.29126	0.29479	4.43E-02	4.67E-02	4.17E-02	4.27E-02	4.03E-02	1.17E-02	1.19E-02	2.36E-02	1.14E-02	1.16E-02	2.30E-02	1.13E-02	1.14E-02	2.27E-02
1098 482283.91, 3852613.62	0.48699	0.48881	7.40E-02	7.74E-02	6.97E-02	7.14E-02	6.74E-02	1.96E-02	1.97E-02	3.93E-02	1.91E-02	1.92E-02	3.83E-02	1.89E-02	1.89E-02	3.78E-02
1099 482333.91, 3852613.62	0.39465	0.39426	6.00E-02	6.24E-02	5.65E-02	5.79E-02	5.46E-02	1.59E-02	1.59E-02	3.17E-02	1.55E-02	1.55E-02	3.10E-02	1.53E-02	1.53E-02	3.06E-02
1100 482383.91, 3852613.62	0.33469	0.33546	5.09E-02	5.31E-02	4.79E-02	4.91E-02	4.63E-02	1.35E-02	1.35E-02	2.70E-02	1.31E-02	1.32E-02	2.63E-02	1.30E-02	1.30E-02	2.60E-02
1101 482602.38, 3852600.87	0.18301	0.18303	2.78E-02	2.90E-02	2.62E-02	2.68E-02	2.53E-02	7.36E-03	7.37E-03	1.47E-02	7.19E-03	7.19E-03	1.44E-02	7.09E-03	7.09E-03	1.42E-02
1102 482652.38, 3852600.87	0.16541	0.1689	2.51E-02	2.67E-02	2.37E-02	2.43E-02	2.29E-02	6.66E-03	6.80E-03	1.35E-02	6.50E-03	6.63E-03	1.31E-02	6.41E-03	6.54E-03	1.30E-02
1103 482702.38, 3852600.87	0.14383	0.14629	2.19E-02	2.32E-02	2.06E-02	2.11E-02	1.99E-02	5.79E-03	5.89E-03	1.17E-02	5.65E-03	5.74E-03	1.14E-02	5.57E-03	5.67E-03	1.12E-02
1104 482552.38, 3852650.87	0.23057	0.23439	3.50E-02	3.71E-02	3.30E-02	3.38E-02	3.19E-02	9.28E-03	9.43E-03	1.87E-02	9.05E-03	9.20E-03	1.83E-02	8.93E-03	9.08E-03	1.80E-02
1105 482602.38, 3852650.87	0.20387	0.20632	3.10E-02	3.27E-02	2.92E-02	2.99E-02	2.82E-02	8.20E-03	8.30E-03	1.65E-02	8.01E-03	8.10E-03	1.61E-02	7.90E-03	7.99E-03	1.59E-02
1106 482652.38, 3852650.87	0.18675	0.18946	2.84E-02	3.00E-02	2.67E-02	2.74E-02	2.58E-02	7.52E-03	7.62E-03	1.51E-02	7.33E-03	7.44E-03	1.48E-02	7.24E-03	7.34E-03	1.46E-02
1107 482702.38, 3852650.87	0.17242	0.17527	2.62E-02	2.78E-02	2.47E-02	2.53E-02	2.38E-02	6.94E-03	7.05E-03	1.40E-02	6.77E-03	6.88E-03	1.37E-02	6.68E-03	6.79E-03	1.35E-02
1108 482552.38, 3852700.87	0.26161	0.26423	3.98E-02	4.18E-02	3.75E-02	3.84E-02	3.62E-02	1.05E-02	1.06E-02	2.12E-02	1.03E-02	1.04E-02	2.06E-02	1.01E-02	1.02E-02	2.04E-02
1109 482602.38, 3852700.87	0.2361	0.23834	3.59E-02	3.77E-02	3.38E-02	3.46E-02	3.27E-02	9.50E-03	9.59E-03	1.91E-02	9.27E-03	9.36E-03	1.86E-02	9.15E-03	9.24E-03	1.84E-02
1110 482652.38, 3852700.87	0.22006	0.22234	3.34E-02	3.52E-02	3.15E-02	3.23E-02	3.04E-02	8.86E-03	8.95E-03	1.78E-02	8.64E-03	8.73E-03	1.74E-02	8.53E-03	8.62E-03	1.71E-02
1111 482702.38, 3852700.87	0.1966	0.19885	2.99E-02	3.15E-02	2.81E-02	2.88E-02	2.72E-02	7.91E-03	8.00E-03	1.59E-02	7.72E-03	7.81E-03	1.55E-02	7.62E-03	7.71E-03	1.53E-02
1112 482452.38, 3852750.87	0.41782	0.41595	6.35E-02	6.59E-02	5.98E-02	6.13E-02	5.78E-02	1.68E-02	1.67E-02	3.36E-02	1.64E-02	1.63E-02	3.27E-02	1.62E-02	1.61E-02	3.23E-02
1113 482521.29, 3852749.74	0.32455	0.32684	4.93E-02	5.17E-02	4.65E-02	4.76E-02	4.49E-02	1.31E-02	1.32E-02	2.62E-02	1.27E-02	1.28E-02	2.56E-02	1.26E-02	1.27E-02	2.52E-02
1114 482571.29, 3852749.74	0.28152	0.28409	4.28E-02	4.50E-02	4.03E-02	4.13E-02	3.89E-02	1.13E-02	1.14E-02	2.28E-02	1.11E-02	1.12E-02	2.22E-02	1.09E-02	1.10E-02	2.19E-02
1115 482521.29, 3852799.74	0.38176	0.38312	5.80E-02	6.07E-02	5.47E-02	5.60E-02	5.28E-02	1.54E-02	1.54E-02	3.08E-02	1.50E-02	1.50E-02	3.00E-02	1.48E-02	1.48E-02	2.96E-02
1116 482571.29, 3852799.74	0.32429	0.32643	4.93E-02	5.17E-02	4.64E-02	4.75E-02	4.49E-02	1.31E-02	1.31E-02	2.62E-02	1.27E-02	1.28E-02	2.56E-02	1.26E-02	1.26E-02	2.52E-02
1117 482621.29, 3852799.74	0.28092	0.28306	4.27E-02	4.48E-02	4.02E-02	4.12E-02	3.89E-02	1.13E-02	1.14E-02	2.27E-02	1.10E-02	1.11E-02	2.21E-02	1.09E-02	1.10E-02	2.19E-02
1118 482571.29, 3852849.74	0.37765	0.37914	5.74E-02	6.00E-02	5.41E-02	5.54E-02	5.22E-02	1.52E-02	1.53E-02	3.05E-02	1.48E-02	1.49E-02	2.97E-02	1.46E-02	1.47E-02	2.93E-02

1119 482621.29, 3852849.74	0.31938	0.32216	4.85E-02	5.10E-02	4.57E-02	4.68E-02	4.42E-02	1.29E-02	1.30E-02	2.58E-02	1.25E-02	1.27E-02	2.52E-02	1.24E-02	1.25E-02	2.49E-02
1120 482577.42, 3852901.55	0.4506	0.4534	6.85E-02	7.18E-02	6.45E-02	6.61E-02	6.23E-02	1.81E-02	1.82E-02	3.64E-02	1.77E-02	1.78E-02	3.55E-02	1.75E-02	1.76E-02	3.50E-02
1121 482627.42, 3852901.55	0.36389	0.36532	5.53E-02	5.78E-02	5.21E-02	5.34E-02	5.03E-02	1.46E-02	1.47E-02	2.93E-02	1.43E-02	1.43E-02	2.86E-02	1.41E-02	1.42E-02	2.83E-02
1122 482629.96, 3852955.85	0.44161	0.44559	6.71E-02	7.06E-02	6.32E-02	6.48E-02	6.11E-02	1.78E-02	1.79E-02	3.57E-02	1.73E-02	1.75E-02	3.48E-02	1.71E-02	1.73E-02	3.44E-02
1123 482679.96, 3852955.85	0.35774	0.3624	5.44E-02	5.74E-02	5.12E-02	5.25E-02	4.95E-02	1.44E-02	1.46E-02	2.90E-02	1.40E-02	1.42E-02	2.83E-02	1.39E-02	1.40E-02	2.79E-02
1124 482781.63, 3853034.48	0.29643	0.29835	4.50E-02	4.72E-02	4.24E-02	4.35E-02	4.10E-02	1.19E-02	1.20E-02	2.39E-02	1.16E-02	1.17E-02	2.34E-02	1.15E-02	1.16E-02	2.30E-02
1125 482831.63, 3853034.48	0.25586	0.25945	3.89E-02	4.11E-02	3.66E-02	3.75E-02	3.54E-02	1.03E-02	1.04E-02	2.07E-02	1.00E-02	1.02E-02	2.02E-02	9.91E-03	1.01E-02	2.00E-02
1126 482881.63, 3853034.48	0.21683	0.2255	3.29E-02	3.57E-02	3.10E-02	3.18E-02	3.00E-02	8.73E-03	9.07E-03	1.78E-02	8.51E-03	8.86E-03	1.74E-02	8.40E-03	8.74E-03	1.71E-02
1127 482781.63, 3853084.48	0.3096	0.31396	4.70E-02	4.97E-02	4.43E-02	4.54E-02	4.28E-02	1.25E-02	1.26E-02	2.51E-02	1.22E-02	1.23E-02	2.45E-02	1.20E-02	1.22E-02	2.42E-02
1128 482831.63, 3853084.48	0.2707	0.27535	4.11E-02	4.36E-02	3.88E-02	3.97E-02	3.74E-02	1.09E-02	1.11E-02	2.20E-02	1.06E-02	1.08E-02	2.14E-02	1.05E-02	1.07E-02	2.12E-02
1129 482881.63, 3853084.48	0.23624	0.24426	3.59E-02	3.87E-02	3.38E-02	3.46E-02	3.27E-02	9.51E-03	9.83E-03	1.93E-02	9.28E-03	9.59E-03	1.89E-02	9.15E-03	9.46E-03	1.86E-02
1130 482781.63, 3853134.48	0.35245	0.35637	5.36E-02	5.64E-02	5.05E-02	5.17E-02	4.87E-02	1.42E-02	1.43E-02	2.85E-02	1.38E-02	1.40E-02	2.78E-02	1.37E-02	1.38E-02	2.75E-02
1131 482831.63, 3853134.48	0.2903	0.29089	4.41E-02	4.61E-02	4.16E-02	4.26E-02	4.02E-02	1.17E-02	1.17E-02	2.34E-02	1.14E-02	1.14E-02	2.28E-02	1.12E-02	1.13E-02	2.25E-02
1132 482881.63, 3853134.48	0.24818	0.25325	3.77E-02	4.01E-02	3.55E-02	3.64E-02	3.43E-02	9.99E-03	1.02E-02	2.02E-02	9.75E-03	9.95E-03	1.97E-02	9.62E-03	9.81E-03	1.94E-02
1133 482831.63, 3853184.48	0.3183	0.33024	4.84E-02	5.23E-02	4.56E-02	4.67E-02	4.40E-02	1.28E-02	1.33E-02	2.61E-02	1.25E-02	1.30E-02	2.55E-02	1.23E-02	1.28E-02	2.51E-02
1134 482881.63, 3853184.48	0.26723	0.27417	4.06E-02	4.34E-02	3.83E-02	3.92E-02	3.70E-02	1.08E-02	1.10E-02	2.18E-02	1.05E-02	1.08E-02	2.13E-02	1.04E-02	1.06E-02	2.10E-02
1135 484154.84, 3854250.98	0.05182	0.12986	7.87E-03	2.06E-02	7.42E-03	7.60E-03	7.17E-03	2.09E-03	5.23E-03	7.31E-03	2.03E-03	5.10E-03	7.13E-03	2.01E-03	5.03E-03	7.04E-03
1136 484204.84, 3854250.98	0.05051	0.12633	7.68E-03	2.00E-02	7.23E-03	7.41E-03	6.99E-03	2.03E-03	5.08E-03	7.12E-03	1.98E-03	4.96E-03	6.94E-03	1.96E-03	4.90E-03	6.85E-03
1137 484154.84, 3854300.98	0.05054	0.13235	7.68E-03	2.10E-02	7.24E-03	7.41E-03	6.99E-03	2.03E-03	5.33E-03	7.36E-03	1.98E-03	5.20E-03	7.18E-03	1.96E-03	5.13E-03	7.09E-03
1138 484204.84, 3854300.98	0.04998	0.13141	7.59E-03	2.08E-02	7.16E-03	7.33E-03	6.91E-03	2.01E-03	5.29E-03	7.30E-03	1.96E-03	5.16E-03	7.12E-03	1.94E-03	5.09E-03	7.03E-03
1139 484074.19, 3854519.8	0.04736	0.25868	7.20E-03	4.10E-02	6.78E-03	6.94E-03	6.55E-03	1.91E-03	1.04E-02	1.23E-02	1.86E-03	1.02E-02	1.20E-02	1.84E-03	1.00E-02	1.19E-02
1140 484124.19, 3854519.8	0.0467	0.2231	7.10E-03	3.53E-02	6.69E-03	6.85E-03	6.46E-03	1.88E-03	8.98E-03	1.09E-02	1.83E-03	8.76E-03	1.06E-02	1.81E-03	8.64E-03	1.05E-02
1141 484074.19, 3854569.8	0.04735	0.34209	7.19E-03	5.42E-02	6.78E-03	6.94E-03	6.55E-03	1.91E-03	1.38E-02	1.57E-02	1.86E-03	1.34E-02	1.53E-02	1.83E-03	1.33E-02	1.51E-02
1142 484124.19, 3854569.8	0.04555	0.27313	6.92E-03	4.32E-02	6.52E-03	6.68E-03	6.30E-03	1.83E-03	1.10E-02	1.28E-02	1.79E-03	1.07E-02	1.25E-02	1.76E-03	1.06E-02	1.23E-02
1143 485205.11, 3855188.89	0.04976	0.25804	7.56E-03	4.09E-02	7.12E-03	7.30E-03	6.88E-03	2.00E-03	1.04E-02	1.24E-02	1.95E-03	1.01E-02	1.21E-02	1.93E-03	1.00E-02	1.19E-02
1144 485255.11, 3855188.89	0.04773	0.22632	7.25E-03	3.58E-02	6.83E-03	7.00E-03	6.60E-03	1.92E-03	9.11E-03	1.10E-02	1.87E-03	8.89E-03	1.08E-02	1.85E-03	8.77E-03	1.06E-02
1145 485205.11, 3855238.89	0.04955	0.27248	7.53E-03	4.31E-02	7.09E-03	7.27E-03	6.85E-03	1.99E-03	1.10E-02	1.30E-02	1.95E-03	1.07E-02	1.26E-02	1.92E-03	1.06E-02	1.25E-02
1146 485255.11, 3855238.89	0.04902	0.2427	7.45E-03	3.84E-02	7.02E-03	7.19E-03	6.78E-03	1.97E-03	9.77E-03	1.17E-02	1.93E-03	9.53E-03	1.15E-02	1.90E-03	9.40E-03	1.13E-02
1147 485205.11, 3855288.89	0.05256	0.3424	7.99E-03	5.42E-02	7.52E-03	7.71E-03	7.27E-03	2.12E-03	1.38E-02	1.59E-02	2.06E-03	1.34E-02	1.55E-02	2.04E-03	1.33E-02	1.53E-02
1148 485255.11, 3855288.89	0.05159	0.29252	7.84E-03	4.63E-02	7.39E-03	7.56E-03	7.14E-03	2.08E-03	1.18E-02	1.38E-02	2.03E-03	1.15E-02	1.35E-02	2.00E-03	1.13E-02	1.33E-02
1149 485255.11, 3855338.89	0.05657	0.3484	8.60E-03	5.52E-02	8.10E-03	8.29E-03	7.82E-03	2.28E-03	1.40E-02	1.63E-02	2.22E-03	1.37E-02	1.59E-02	2.19E-03	1.35E-02	1.57E-02
1150 485305.11, 3855338.89	0.05328	0.29952	8.10E-03	4.74E-02	7.63E-03	7.81E-03	7.37E-03	2.14E-03	1.21E-02	1.42E-02	2.09E-03	1.18E-02	1.39E-02	2.06E-03	1.16E-02	1.37E-02
1151 485852.5, 3855635.28	0.0554	0.19292	8.42E-03	3.05E-02	7.93E-03	8.12E-03	7.66E-03	2.23E-03	7.76E-03	9.99E-03	2.18E-03	7.58E-03	9.75E-03	2.15E-03	7.48E-03	9.62E-03
1152 485902.5, 3855635.28	0.05252	0.17551	7.98E-03	2.78E-02	7.52E-03	7.70E-03	7.26E-03	2.11E-03	7.06E-03	9.18E-03	2.06E-03	6.89E-03	8.95E-03	2.04E-03	6.80E-03	8.84E-03
1153 485852.5, 3855685.28	0.05716	0.20854	8.69E-03	3.30E-02	8.18E-03	8.38E-03	7.91E-03	2.30E-03	8.39E-03	1.07E-02	2.24E-03	8.19E-03	1.04E-02	2.21E-03	8.08E-03	1.03E-02
1154 485902.5, 3855685.28	0.05409	0.18704	8.22E-03	2.96E-02	7.74E-03	7.93E-03	7.48E-03	2.18E-03	7.53E-03	9.70E-03	2.12E-03	7.35E-03	9.47E-03	2.10E-03	7.25E-03	9.34E-03
1155 485852.5, 3855735.28	0.05885	0.22744	8.94E-03	3.60E-02	8.42E-03	8.63E-03	8.14E-03	2.37E-03	9.15E-03	1.15E-02	2.31E-03	8.93E-03	1.12E-02	2.28E-03	8.81E-03	1.11E-02
1156 485902.5, 3855735.28	0.05684	0.20541	8.64E-03	3.25E-02	8.14E-03	8.33E-03	7.86E-03	2.29E-03	8.27E-03	1.06E-02	2.23E-03	8.07E-03	1.03E-02	2.20E-03	7.96E-03	1.02E-02
1157 485852.5, 3855785.28	0.06161	0.25073	9.36E-03	3.97E-02	8.82E-03	9.03E-03	8.52E-03	2.48E-03	1.01E-02	1.26E-02	2.42E-03	9.85E-03	1.23E-02	2.39E-03	9.72E-03	1.21E-02
1158 485902.5, 3855785.28	0.05824	0.22236	8.85E-03	3.52E-02	8.34E-03	8.54E-03	8.06E-03	2.34E-03	8.95E-03	1.13E-02	2.29E-03	8.73E-03	1.10E-02	2.26E-03	8.62E-03	1.09E-02
1159 486809.46, 3856465.28	0.05765	0.1865	8.76E-03	2.95E-02	8.25E-03	8.45E-03	7.97E-03	2.32E-03	7.51E-03	9.83E-03	2.26E-03	7.32E-03	9.59E-03	2.23E-03	7.23E-03	9.46E-03
1160 486859.46, 3856465.28	0.0565	0.17721	8.59E-03	2.81E-02	8.09E-03	8.28E-03	7.81E-03	2.27E-03	7.13E-03	9.41E-03	2.22E-03	6.96E-03	9.18E-03	2.19E-03	6.87E-03	9.06E-03
1161 486909.46, 3856465.28	0.05618	0.16867	8.54E-03	2.67E-02	8.04E-03	8.24E-03	7.77E-03	2.26E-03	6.79E-03	9.05E-03	2.21E-03	6.62E-03	8.83E-03	2.18E-03	6.54E-03	8.71E-03
1162 486809.46, 3856515.28	0.05954	0.19773	9.05E-03	3.13E-02	8.52E-03	8.73E-03	8.23E-03	2.40E-03	7.96E-03	1.04E-02	2.34E-03	7.76E-03	1.01E-02	2.31E-03	7.66E-03	9.97E-03
1163 486859.46, 3856515.28	0.05958	0.18714	9.05E-03	2.96E-02	8.53E-03	8.74E-03	8.24E-03	2.40E-03	7.53E-03	9.93E-03	2.34E-03	7.35E-03	9.69E-03	2.31E-03	7.25E-03	9.56E-03
1164 486909.46, 3856515.28	0.05831	0.17772	8.86E-03	2.81E-02	8.35E-03	8.55E-03	8.06E-03	2.35E-03	7.15E-03	9.50E-03	2.29E-03	6.98E-03	9.27E-03	2.26E-03	6.89E-03	9.15E-03
1165 486980.94, 3856357.95	0.05284	0.14228	8.03E-03	2.25E-02	7.56E-03	7.75E-03	7.31E-03	2.13E-03	5.73E-03	7.85E-03	2.08E-03	5.59E-03	7.66E-03	2.05E-03	5.51E-03	7.56E-03
1166 487030.94, 3856357.95	0.05266	0.1374	8.00E-03	2.18E-02	7.54E-03	7.72E-03	7.28E-03	2.12E-03	5.53E-03	7.65E-03	2.07E-03	5.40E-03	7.46E-03	2.04E-03	5.32E-03	7.36E-03
1167 486980.94, 3856407.95	0.05419	0.14932	8.23E-03	2.36E-02	7.76E-03	7.95E-03	7.49E-03	2.18E-03	6.01E-03	8.19E-03	2.13E-03	5.86E-03	7.99E-03	2.10E-03	5.79E-03	7.89E-03
1168 487030.94, 3856407.95	0.05397	0.14392	8.20E-03	2.28E-02	7.73E-03	7.91E-03	7.46E-03	2.17E-03	5.79E-03	7.96E-03	2.12E-03	5.65E-03	7.77E-03	2.09E-03	5.58E-03	7.67E-03
1169 487447.18, 3856437.45	0.0532	0.11321	8.08E-03	1.79E-02	7.62E-03	7.80E-03	7.36E-03	2.14E-03	4.56E-03	6.70E-03	2.09E-03	4.45E-03	6.53E-03	2.06E-03	4.39E-03	6.45E-03
1170 487497.18, 3856437.45	0.05315	0.10918	8.08E-03	1.73E-02	7.61E-03	7.79E-03	7.35E-03	2.14E-03	4.39E-03	6.53E-03	2.09E-03	4.29E-03	6.37E-03	2.06E-03	4.23E-03	6.29E-03
1171 487547.18, 3856437.45	0.05328	0.10529	8.10E-03	1.67E-02	7.63E-03	7.81E-03	7.37E-03	2.14E-03	4.24E-03	6.38E-03	2.09E-03	4.13E-03	6.23E-03	2.06E-03	4.08E-03	6.14E-03
1172 487447.18, 3856487.45	0.05489	0.11567	8.34E-03	1.83E-02	7.86E-03	8.05E-03	7.59E-03	2.21E-03	4.65E-03	6.86E-03	2.16E-03	4.54E-03	6.70E-03	2.13E-03	4.48E-03	6.61E-03
1173 487497.18, 3856487.45	0.05461	0.11271	8.30E-03	1.78E-02	7.82E-03	8.01E-03	7.55E-03	2.20E-03	4.54E-03	6.73E-03	2.14E-03	4.43E-03	6.57E-03	2.12E-03	4.37E-03	6.48E-03
1174 487547.18, 3856487.45	0.05486	0.10875	8.34E-03	1.72E-02	7.85E-03	8.04E-03	7.59E-03	2.21E-03	4.38E-03	6.58E-03	2.15E-03	4.27E-03	6.42E-03	2.13E-03	4.21E-03	6.34E-03
1175 487447.18, 3856537.45	0.05626	0.11936	8.55E-03	1.89E-02	8.05E-03	8.25E-03	7.78E-03	2.26E-03	4.80E-03	7.07E-03	2.21E-03	4.69E-03	6.90E-03	2.18E-03	4.63E-03	6.81E-03
1176 487497.18, 3856537.45	0.0562	0.1159	8.54E-03	1.84E-02	8.05E-03	8.24E-03	7.77E-03	2.26E-03	4.66E-03	6.93E-03	2.21E-03	4.55E-03	6.76E-03	2.18E-03	4.49E-03	6.67E-03
1177 487547.18, 3856537.45	0.05649	0.11223	8.58E-03	1.78E-02	8.09E-03	8.28E-03	7.81E-03	2.27E-03	4.52E-03	6.79E-03	2.22E-03	4.41E-03	6.63E-03	2.19E-03	4.35E-03	6.54E-03
1178 489285.89, 3858826.54	0.22657	0.22365	3.44E-02	3.54E-02	3.24E-02	3.32E-02	3.13E-02	9.12E-03	9.00E-03	1.81E-02	8.90E-03	8.78E-03	1.77E-02	8.78E-03	8.67E-03	1.74E-02
1179 489335.89, 3858826.54	0.21546	0.21173	3.27E-02	3.35E-02	3.08E-02	3.16E-02	2.98E-02	8.67E-03	8.52E-03	1.72E-02	8.46E-03	8.31E-03	1.68E-02	8.35E-03	8.20E-03	1.66E-02
1180 489385.89, 3858826.54	0.20133	0.20022	3.06E-02	3.17E-02	2.88E-02	2.95E-02	2.78E-02	8.10E-03	8.06E-03	1.62E-02	7.91E-03	7.86E-03	1.58E-02	7.80E-03	7.76E-03	1.56E-02
1181 489435.89, 3858826.54	0.19295	0.19009	2.93E-02	3.01E-02	2.76E-02	2.83E-02	2.67E-02	7.76E-03	7.65E-03	1.54E-02	7.58E-03	7.46E-03	1.50E-02	7.48E-03	7.37E-03	1.48E-02
1182 489485.89, 3858826.54	0.18546	0.18056	2.82E-02	2.86E-02	2.66E-02	2.72E-02	2.57E-02	7.46E-03	7.27E-03	1.47E-02	7.28E-03	7.09E-03	1.44E-02	7.19E-03	7.00E-03	1.42E-02
1183 489535.89, 3858826.54	0.17859	0.17281	2.71E-02	2.74E-02	2.56E-02	2.62E-02	2.47E-02	7.19E-03	6.95E-03	1.41E-02	7.01E-03	6.79E-03	1.38E-02	6.92E-03	6.70E-03	1.36E-02
1184 489585.89, 3858826.54	0.17201	0.16625	2.61E-02	2.63E-02	2.46E-02	2.52E-02	2.38E-02	6.92E-03	6.69E-03	1.36E-02	6.75E-03	6.53E-03	1.33E-02	6.67E-03	6.44E-03	1.31E-02

1185 489635.89, 3858826.54	0.16511	0.15974	2.51E-02	2.53E-02	2.36E-02	2.42E-02	2.28E-02	6.64E-03	6.43E-03	1.31E-02	6.48E-03	6.27E-03	1.28E-02	6.40E-03	6.19E-03	1.26E-02
1186 489685.89, 3858826.54	0.15917	0.1553	2.42E-02	2.46E-02	2.28E-02	2.33E-02	2.20E-02	6.41E-03	6.25E-03	1.27E-02	6.25E-03	6.10E-03	1.23E-02	6.17E-03	6.02E-03	1.22E-02
1187 489735.89, 3858826.54	0.15387	0.14976	2.34E-02	2.37E-02	2.20E-02	2.26E-02	2.13E-02	6.19E-03	6.03E-03	1.22E-02	6.04E-03	5.88E-03	1.19E-02	5.96E-03	5.80E-03	1.18E-02
1188 489785.89, 3858826.54	0.14919	0.14513	2.27E-02	2.30E-02	2.14E-02	2.19E-02	2.06E-02	6.00E-03	5.84E-03	1.18E-02	5.86E-03	5.70E-03	1.16E-02	5.78E-03	5.62E-03	1.14E-02
1189 489835.89, 3858826.54	0.14464	0.14012	2.20E-02	2.22E-02	2.07E-02	2.12E-02	2.00E-02	5.82E-03	5.64E-03	1.15E-02	5.68E-03	5.50E-03	1.12E-02	5.60E-03	5.43E-03	1.10E-02
1190 489885.89, 3858826.54	0.14076	0.13635	2.14E-02	2.16E-02	2.02E-02	2.06E-02	1.95E-02	5.66E-03	5.49E-03	1.12E-02	5.53E-03	5.35E-03	1.09E-02	5.45E-03	5.28E-03	1.07E-02
1191 489935.89, 3858826.54	0.13737	0.13323	2.09E-02	2.11E-02	1.97E-02	2.01E-02	1.90E-02	5.53E-03	5.36E-03	1.09E-02	5.39E-03	5.23E-03	1.06E-02	5.32E-03	5.16E-03	1.05E-02
1192 489985.89, 3858826.54	0.13431	0.13021	2.04E-02	2.06E-02	1.92E-02	1.97E-02	1.86E-02	5.41E-03	5.24E-03	1.06E-02	5.27E-03	5.11E-03	1.04E-02	5.20E-03	5.05E-03	1.02E-02
1193 490035.89, 3858826.54	0.13234	0.12602	2.01E-02	2.00E-02	1.89E-02	1.94E-02	1.83E-02	5.33E-03	5.07E-03	1.04E-02	5.20E-03	4.95E-03	1.01E-02	5.13E-03	4.88E-03	1.00E-02
1194 489285.89, 3858876.54	0.25556	0.24755	3.88E-02	3.92E-02	3.66E-02	3.75E-02	3.53E-02	1.03E-02	9.96E-03	2.02E-02	1.00E-02	9.72E-03	1.98E-02	9.90E-03	9.59E-03	1.95E-02
1195 489335.89, 3858876.54	0.23781	0.23134	3.61E-02	3.66E-02	3.40E-02	3.49E-02	3.29E-02	9.57E-03	9.31E-03	1.89E-02	9.34E-03	9.08E-03	1.84E-02	9.21E-03	8.96E-03	1.82E-02
1196 489385.89, 3858876.54	0.22424	0.21862	3.41E-02	3.46E-02	3.21E-02	3.29E-02	3.10E-02	9.02E-03	8.80E-03	1.78E-02	8.81E-03	8.59E-03	1.74E-02	8.69E-03	8.47E-03	1.72E-02
1197 489435.89, 3858876.54	0.21158	0.20694	3.21E-02	3.28E-02	3.03E-02	3.10E-02	2.93E-02	8.51E-03	8.33E-03	1.68E-02	8.31E-03	8.13E-03	1.64E-02	8.20E-03	8.02E-03	1.62E-02
1198 489485.89, 3858876.54	0.19958	0.19667	3.03E-02	3.11E-02	2.86E-02	2.93E-02	2.76E-02	8.03E-03	7.91E-03	1.59E-02	7.84E-03	7.72E-03	1.56E-02	7.73E-03	7.62E-03	1.54E-02
1199 489535.89, 3858876.54	0.19123	0.18658	2.91E-02	2.95E-02	2.74E-02	2.80E-02	2.64E-02	7.70E-03	7.51E-03	1.52E-02	7.51E-03	7.33E-03	1.48E-02	7.41E-03	7.23E-03	1.46E-02
1200 489585.89, 3858876.54	0.18332	0.17745	2.79E-02	2.81E-02	2.62E-02	2.69E-02	2.54E-02	7.38E-03	7.14E-03	1.45E-02	7.20E-03	6.97E-03	1.42E-02	7.10E-03	6.88E-03	1.40E-02
1201 489635.89, 3858876.54	0.17635	0.17038	2.68E-02	2.70E-02	2.52E-02	2.59E-02	2.44E-02	7.10E-03	6.86E-03	1.40E-02	6.93E-03	6.69E-03	1.36E-02	6.83E-03	6.60E-03	1.34E-02
1202 489685.89, 3858876.54	0.16977	0.16339	2.58E-02	2.59E-02	2.43E-02	2.49E-02	2.35E-02	6.83E-03	6.58E-03	1.34E-02	6.67E-03	6.42E-03	1.31E-02	6.58E-03	6.33E-03	1.29E-02
1203 489735.89, 3858876.54	0.16358	0.15792	2.49E-02	2.50E-02	2.34E-02	2.40E-02	2.26E-02	6.58E-03	6.36E-03	1.29E-02	6.42E-03	6.20E-03	1.26E-02	6.34E-03	6.12E-03	1.25E-02
1204 489785.89, 3858876.54	0.15829	0.15264	2.41E-02	2.42E-02	2.27E-02	2.32E-02	2.19E-02	6.37E-03	6.14E-03	1.25E-02	6.22E-03	5.99E-03	1.22E-02	6.13E-03	5.91E-03	1.20E-02
1205 489835.89, 3858876.54	0.15288	0.14829	2.32E-02	2.35E-02	2.19E-02	2.24E-02	2.11E-02	6.15E-03	5.97E-03	1.21E-02	6.00E-03	5.82E-03	1.18E-02	5.92E-03	5.75E-03	1.17E-02
1206 489885.89, 3858876.54	0.14877	0.14391	2.26E-02	2.28E-02	2.13E-02	2.18E-02	2.06E-02	5.99E-03	5.79E-03	1.18E-02	5.84E-03	5.65E-03	1.15E-02	5.76E-03	5.58E-03	1.13E-02
1207 489935.89, 3858876.54	0.14401	0.13965	2.19E-02	2.21E-02	2.06E-02	2.11E-02	1.99E-02	5.80E-03	5.62E-03	1.14E-02	5.66E-03	5.48E-03	1.11E-02	5.58E-03	5.41E-03	1.10E-02
1208 489985.89, 3858876.54	0.13889	0.13575	2.11E-02	2.15E-02	1.99E-02	2.04E-02	1.92E-02	5.59E-03	5.46E-03	1.11E-02	5.45E-03	5.33E-03	1.08E-02	5.38E-03	5.26E-03	1.06E-02
1209 490035.89, 3858876.54	0.13653	0.13162	2.07E-02	2.08E-02	1.95E-02	2.00E-02	1.89E-02	5.49E-03	5.30E-03	1.08E-02	5.36E-03	5.17E-03	1.05E-02	5.29E-03	5.10E-03	1.04E-02
1210 489285.89, 3858926.54	0.28788	0.2802	4.37E-02	4.44E-02	4.12E-02	4.22E-02	3.98E-02	1.16E-02	1.13E-02	2.29E-02	1.13E-02	1.10E-02	2.23E-02	1.12E-02	1.09E-02	2.20E-02
1211 489335.89, 3858926.54	0.26987	0.25861	4.10E-02	4.09E-02	3.86E-02	3.96E-02	3.73E-02	1.09E-02	1.04E-02	2.13E-02	1.06E-02	1.02E-02	2.08E-02	1.05E-02	1.00E-02	2.05E-02
1212 489385.89, 3858926.54	0.25371	0.24096	3.86E-02	3.82E-02	3.63E-02	3.72E-02	3.51E-02	1.02E-02	9.70E-03	1.99E-02	9.96E-03	9.46E-03	1.94E-02	9.83E-03	9.34E-03	1.92E-02
1213 489435.89, 3858926.54	0.23609	0.2266	3.59E-02	3.59E-02	3.38E-02	3.46E-02	3.27E-02	9.50E-03	9.12E-03	1.86E-02	9.27E-03	8.90E-03	1.82E-02	9.15E-03	8.78E-03	1.79E-02
1214 489485.89, 3858926.54	0.22198	0.21406	3.37E-02	3.39E-02	3.18E-02	3.25E-02	3.07E-02	8.93E-03	8.61E-03	1.75E-02	8.72E-03	8.41E-03	1.71E-02	8.60E-03	8.29E-03	1.69E-02
1215 489535.89, 3858926.54	0.20704	0.20304	3.15E-02	3.21E-02	2.96E-02	3.04E-02	2.86E-02	8.33E-03	8.17E-03	1.65E-02	8.13E-03	7.97E-03	1.61E-02	8.02E-03	7.87E-03	1.59E-02
1216 489585.89, 3858926.54	0.19763	0.19286	3.00E-02	3.05E-02	2.83E-02	2.90E-02	2.73E-02	7.95E-03	7.76E-03	1.57E-02	7.76E-03	7.57E-03	1.53E-02	7.66E-03	7.47E-03	1.51E-02
1217 489635.89, 3858926.54	0.18895	0.18346	2.87E-02	2.90E-02	2.71E-02	2.77E-02	2.61E-02	7.60E-03	7.38E-03	1.50E-02	7.42E-03	7.20E-03	1.46E-02	7.32E-03	7.11E-03	1.44E-02
1218 489685.89, 3858926.54	0.18143	0.17447	2.76E-02	2.76E-02	2.60E-02	2.66E-02	2.51E-02	7.30E-03	7.02E-03	1.43E-02	7.12E-03	6.85E-03	1.40E-02	7.03E-03	6.76E-03	1.38E-02
1219 489735.89, 3858926.54	0.17454	0.16776	2.65E-02	2.66E-02	2.50E-02	2.56E-02	2.41E-02	7.02E-03	6.75E-03	1.38E-02	6.85E-03	6.59E-03	1.34E-02	6.76E-03	6.50E-03	1.33E-02
1220 489785.89, 3858926.54	0.16861	0.16181	2.56E-02	2.56E-02	2.41E-02	2.47E-02	2.33E-02	6.79E-03	6.51E-03	1.33E-02	6.62E-03	6.35E-03	1.30E-02	6.53E-03	6.27E-03	1.28E-02
1221 489835.89, 3858926.54	0.16308	0.15654	2.48E-02	2.48E-02	2.33E-02	2.39E-02	2.26E-02	6.56E-03	6.30E-03	1.29E-02	6.40E-03	6.15E-03	1.26E-02	6.32E-03	6.07E-03	1.24E-02
1222 489885.89, 3858926.54	0.15799	0.15151	2.40E-02	2.40E-02	2.26E-02	2.32E-02	2.19E-02	6.36E-03	6.10E-03	1.25E-02	6.20E-03	5.95E-03	1.22E-02	6.12E-03	5.87E-03	1.20E-02
1223 489935.89, 3858926.54	0.15293	0.14626	2.32E-02	2.32E-02	2.19E-02	2.24E-02	2.12E-02	6.15E-03	5.89E-03	1.20E-02	6.01E-03	5.74E-03	1.17E-02	5.93E-03	5.67E-03	1.16E-02
1224 489985.89, 3858926.54	0.14707	0.14257	2.23E-02	2.26E-02	2.11E-02	2.16E-02	2.03E-02	5.92E-03	5.74E-03	1.17E-02	5.78E-03	5.60E-03	1.14E-02	5.70E-03	5.52E-03	1.12E-02
1225 490035.89, 3858926.54	0.14073	0.13704	2.14E-02	2.17E-02	2.01E-02	2.06E-02	1.95E-02	5.66E-03	5.51E-03	1.12E-02	5.53E-03	5.38E-03	1.09E-02	5.45E-03	5.31E-03	1.08E-02
1226 489335.89, 3858976.54	0.30545	0.2946	4.64E-02	4.66E-02	4.37E-02	4.48E-02	4.22E-02	1.23E-02	1.19E-02	2.41E-02	1.20E-02	1.16E-02	2.36E-02	1.18E-02	1.14E-02	2.33E-02
1227 489385.89, 3858976.54	0.28423	0.26955	4.32E-02	4.27E-02	4.07E-02	4.17E-02	3.93E-02	1.14E-02	1.08E-02	2.23E-02	1.12E-02	1.06E-02	2.17E-02	1.10E-02	1.04E-02	2.15E-02
1228 489435.89, 3858976.54	0.26707	0.25155	4.06E-02	3.98E-02	3.82E-02	3.92E-02	3.69E-02	1.07E-02	1.01E-02	2.09E-02	1.05E-02	9.88E-03	2.04E-02	1.03E-02	9.75E-03	2.01E-02
1229 489485.89, 3858976.54	0.25119	0.23646	3.82E-02	3.74E-02	3.60E-02	3.68E-02	3.47E-02	1.01E-02	9.52E-03	1.96E-02	9.86E-03	9.29E-03	1.91E-02	9.73E-03	9.16E-03	1.89E-02
1230 489535.89, 3858976.54	0.2338	0.22253	3.55E-02	3.52E-02	3.35E-02	3.43E-02	3.23E-02	9.41E-03	8.96E-03	1.84E-02	9.18E-03	8.74E-03	1.79E-02	9.06E-03	8.62E-03	1.77E-02
1231 489585.89, 3858976.54	0.21964	0.21057	3.34E-02	3.33E-02	3.14E-02	3.22E-02	3.04E-02	8.84E-03	8.47E-03	1.73E-02	8.63E-03	8.27E-03	1.69E-02	8.51E-03	8.16E-03	1.67E-02
1232 489635.89, 3858976.54	0.20514	0.19941	3.12E-02	3.16E-02	2.94E-02	3.01E-02	2.84E-02	8.26E-03	8.02E-03	1.63E-02	8.06E-03	7.83E-03	1.59E-02	7.95E-03	7.73E-03	1.57E-02
1233 489685.89, 3858976.54	0.19543	0.18946	2.97E-02	3.00E-02	2.80E-02	2.87E-02	2.70E-02	7.86E-03	7.62E-03	1.55E-02	7.67E-03	7.44E-03	1.51E-02	7.57E-03	7.34E-03	1.49E-02
1234 489735.89, 3858976.54	0.187	0.18105	2.84E-02	2.87E-02	2.68E-02	2.74E-02	2.59E-02	7.53E-03	7.29E-03	1.48E-02	7.34E-03	7.11E-03	1.45E-02	7.25E-03	7.02E-03	1.43E-02
1235 489785.89, 3858976.54	0.17975	0.17401	2.73E-02	2.76E-02	2.57E-02	2.64E-02	2.49E-02	7.23E-03	7.00E-03	1.42E-02	7.06E-03	6.83E-03	1.39E-02	6.97E-03	6.74E-03	1.37E-02
1236 489835.89, 3858976.54	0.17302	0.1679	2.63E-02	2.66E-02	2.48E-02	2.54E-02	2.39E-02	6.96E-03	6.76E-03	1.37E-02	6.79E-03	6.59E-03	1.34E-02	6.70E-03	6.51E-03	1.32E-02
1237 489885.89, 3858976.54	0.16784	0.16011	2.55E-02	2.54E-02	2.40E-02	2.46E-02	2.32E-02	6.75E-03	6.44E-03	1.32E-02	6.59E-03	6.29E-03	1.29E-02	6.50E-03	6.20E-03	1.27E-02
1238 489935.89, 3858976.54	0.16164	0.15476	2.46E-02	2.45E-02	2.31E-02	2.37E-02	2.24E-02	6.50E-03	6.23E-03	1.27E-02	6.35E-03	6.08E-03	1.24E-02	6.26E-03	6.00E-03	1.23E-02
1239 489985.89, 3858976.54	0.15632	0.14917	2.38E-02	2.36E-02	2.24E-02	2.29E-02	2.16E-02	6.29E-03	6.00E-03	1.23E-02	6.14E-03	5.86E-03	1.20E-02	6.06E-03	5.78E-03	1.18E-02
1240 490035.89, 3858976.54	0.14595	0.14113	2.22E-02	2.23E-02	2.09E-02	2.14E-02	2.02E-02	5.87E-03	5.68E-03	1.16E-02	5.73E-03	5.54E-03	1.13E-02	5.66E-03	5.47E-03	1.11E-02
1241 489385.89, 3859026.54	0.32746	0.312	4.98E-02	4.94E-02	4.69E-02	4.80E-02	4.53E-02	1.32E-02	1.26E-02	2.57E-02	1.29E-02	1.23E-02	2.51E-02	1.27E-02	1.21E-02	2.48E-02
1242 489435.89, 3859026.54	0.30116	0.28527	4.58E-02	4.52E-02	4.31E-02	4.42E-02	4.17E-02	1.21E-02	1.15E-02	2.36E-02	1.18E-02	1.12E-02	2.30E-02	1.17E-02	1.11E-02	2.27E-02
1243 489485.89, 3859026.54	0.28068	0.26411	4.26E-02	4.18E-02	4.02E-02	4.12E-02	3.88E-02	1.13E-02	1.06E-02	2.19E-02	1.10E-02	1.04E-02	2.14E-02	1.09E-02	1.02E-02	2.11E-02
1244 489535.89, 3859026.54	0.26373	0.24706	4.01E-02	3.91E-02	3.78E-02	3.87E-02	3.65E-02	1.06E-02	9.94E-03	2.06E-02	1.04E-02	9.70E-03	2.01E-02	1.02E-02	9.57E-03	1.98E-02
1245 489585.89, 3859026.54	0.24798	0.23248	3.77E-02	3.68E-02	3.55E-02	3.64E-02	3.43E-02	9.98E-03	9.36E-03	1.93E-02	9.74E-03	9.13E-03	1.89E-02	9.61E-03	9.01E-03	1.86E-02
1246 489635.89, 3859026.54	0.23261	0.21981	3.53E-02	3.48E-02	3.33E-02	3.41E-02	3.22E-02	9.36E-03	8.85E-03	1.82E-02	9.13E-03	8.63E-03	1.78E-02	9.01E-03	8.52E-03	1.75E-02
1247 489685.89, 3859026.54	0.21719	0.20868	3.30E-02	3.30E-02	3.11E-02	3.18E-02	3.00E-02	8.74E-03	8.40E-03	1.71E-02	8.53E-03	8.19E-03	1.67E-02	8.42E-03	8.09E-03	1.65E-02
1248 489735.89, 3859026.54	0.2039	0.19826	3.10E-02	3.14E-02	2.92E-02	2.99E-02	2.82E-02	8.21E-03	7.98E-03	1.62E-02	8.01E-03	7.79E-03	1.58E-02	7.90E-03	7.68E-03	1.56E-02
1249 489785.89, 3859026.54	0.19437	0.18938	2.95E-02	3.00E-02	2.78E-02	2.85E-02	2.69E-02	7.82E-03	7.62E-03	1.54E-02	7.63E-03	7.44E-03	1.51E-02	7.53E-03	7.34E-03	1.49E-02
1250 489835.89, 3859026.54	0.18525	0.1814	2.81E-02	2.87E-02	2.65E-02	2.72E-02	2.56E-02	7.46E-03	7.30E-03	1.48E-02	7.27E-03	7.12E-03	1.44E-02	7.18E-03	7.03E-03	1.42E-02

1251 489885.89, 3859026.54	0.17771	0.17582	2.70E-02	2.78E-02	2.54E-02	2.61E-02	2.46E-02	7.15E-03	7.08E-03	1.42E-02	6.98E-03	6.90E-03	1.39E-02	6.89E-03	6.81E-03	1.37E-02
1252 489935.89, 3859026.54	0.17231	0.16719	2.62E-02	2.65E-02	2.47E-02	2.53E-02	2.38E-02	6.93E-03	6.73E-03	1.37E-02	6.77E-03	6.57E-03	1.33E-02	6.68E-03	6.48E-03	1.32E-02
1253 489985.89, 3859026.54	0.16573	0.16007	2.52E-02	2.53E-02	2.37E-02	2.43E-02	2.29E-02	6.67E-03	6.44E-03	1.31E-02	6.51E-03	6.29E-03	1.28E-02	6.42E-03	6.20E-03	1.26E-02
1254 490035.89, 3859026.54	0.15281	0.14961	2.32E-02	2.37E-02	2.19E-02	2.24E-02	2.11E-02	6.15E-03	6.02E-03	1.22E-02	6.00E-03	5.88E-03	1.19E-02	5.92E-03	5.80E-03	1.17E-02
1255 489485.89, 3859076.54	0.32212	0.30336	4.89E-02	4.80E-02	4.61E-02	4.72E-02	4.46E-02	1.30E-02	1.22E-02	2.52E-02	1.26E-02	1.19E-02	2.46E-02	1.25E-02	1.18E-02	2.42E-02
1256 489535.89, 3859076.54	0.29678	0.27877	4.51E-02	4.41E-02	4.25E-02	4.35E-02	4.10E-02	1.19E-02	1.12E-02	2.32E-02	1.17E-02	1.09E-02	2.26E-02	1.15E-02	1.08E-02	2.23E-02
1257 489585.89, 3859076.54	0.27696	0.25916	4.21E-02	4.10E-02	3.96E-02	4.06E-02	3.83E-02	1.11E-02	1.04E-02	2.16E-02	1.09E-02	1.02E-02	2.11E-02	1.07E-02	1.00E-02	2.08E-02
1258 489635.89, 3859076.54	0.26087	0.24388	3.96E-02	3.86E-02	3.73E-02	3.83E-02	3.61E-02	1.05E-02	9.81E-03	2.03E-02	1.02E-02	9.58E-03	1.98E-02	1.01E-02	9.45E-03	1.96E-02
1259 489685.89, 3859076.54	0.246	0.23061	3.74E-02	3.65E-02	3.52E-02	3.61E-02	3.40E-02	9.90E-03	9.28E-03	1.92E-02	9.66E-03	9.06E-03	1.87E-02	9.53E-03	8.94E-03	1.85E-02
1260 489735.89, 3859076.54	0.23113	0.21915	3.51E-02	3.47E-02	3.31E-02	3.39E-02	3.20E-02	9.30E-03	8.82E-03	1.81E-02	9.08E-03	8.61E-03	1.77E-02	8.96E-03	8.49E-03	1.74E-02
1261 489785.89, 3859076.54	0.21725	0.20829	3.30E-02	3.30E-02	3.11E-02	3.19E-02	3.00E-02	8.74E-03	8.38E-03	1.71E-02	8.53E-03	8.18E-03	1.67E-02	8.42E-03	8.07E-03	1.65E-02
1262 489835.89, 3859076.54	0.20316	0.19874	3.09E-02	3.15E-02	2.91E-02	2.98E-02	2.81E-02	8.18E-03	8.00E-03	1.62E-02	7.98E-03	7.80E-03	1.58E-02	7.87E-03	7.70E-03	1.56E-02
1263 489885.89, 3859076.54	0.19169	0.18989	2.91E-02	3.01E-02	2.74E-02	2.81E-02	2.65E-02	7.71E-03	7.64E-03	1.54E-02	7.53E-03	7.46E-03	1.50E-02	7.43E-03	7.36E-03	1.48E-02
1264 489935.89, 3859076.54	0.18349	0.18388	2.79E-02	2.91E-02	2.63E-02	2.69E-02	2.54E-02	7.38E-03	7.40E-03	1.48E-02	7.21E-03	7.22E-03	1.44E-02	7.11E-03	7.13E-03	1.42E-02
1265 489985.89, 3859076.54	0.17744	0.17559	2.70E-02	2.78E-02	2.54E-02	2.60E-02	2.45E-02	7.14E-03	7.07E-03	1.42E-02	6.97E-03	6.90E-03	1.39E-02	6.88E-03	6.80E-03	1.37E-02
1266 490035.89, 3859076.54	0.16376	0.16217	2.49E-02	2.57E-02	2.34E-02	2.40E-02	2.26E-02	6.59E-03	6.53E-03	1.31E-02	6.43E-03	6.37E-03	1.28E-02	6.35E-03	6.28E-03	1.26E-02
1267 489585.89, 3859126.54	0.31689	0.29968	4.82E-02	4.74E-02	4.54E-02	4.65E-02	4.38E-02	1.28E-02	1.21E-02	2.48E-02	1.24E-02	1.18E-02	2.42E-02	1.23E-02	1.16E-02	2.39E-02
1268 489635.89, 3859126.54	0.29351	0.27643	4.46E-02	4.38E-02	4.20E-02	4.30E-02	4.06E-02	1.18E-02	1.11E-02	2.29E-02	1.15E-02	1.09E-02	2.24E-02	1.14E-02	1.07E-02	2.21E-02
1269 489685.89, 3859126.54	0.27461	0.25864	4.17E-02	4.10E-02	3.93E-02	4.03E-02	3.80E-02	1.11E-02	1.04E-02	2.15E-02	1.08E-02	1.02E-02	2.09E-02	1.06E-02	1.00E-02	2.07E-02
1270 489735.89, 3859126.54	0.25844	0.24395	3.93E-02	3.86E-02	3.70E-02	3.79E-02	3.57E-02	1.04E-02	9.82E-03	2.02E-02	1.01E-02	9.58E-03	1.97E-02	1.00E-02	9.45E-03	1.95E-02
1271 489785.89, 3859126.54	0.24386	0.23094	3.71E-02	3.66E-02	3.49E-02	3.58E-02	3.37E-02	9.81E-03	9.29E-03	1.91E-02	9.58E-03	9.07E-03	1.86E-02	9.45E-03	8.95E-03	1.84E-02
1272 489835.89, 3859126.54	0.22906	0.21914	3.48E-02	3.47E-02	3.28E-02	3.36E-02	3.17E-02	9.22E-03	8.82E-03	1.80E-02	9.00E-03	8.61E-03	1.76E-02	8.88E-03	8.49E-03	1.74E-02
1273 489885.89, 3859126.54	0.21521	0.20669	3.27E-02	3.27E-02	3.08E-02	3.16E-02	2.98E-02	8.66E-03	8.32E-03	1.70E-02	8.45E-03	8.12E-03	1.66E-02	8.34E-03	8.01E-03	1.63E-02
1274 489935.89, 3859126.54	0.20185	0.1974	3.07E-02	3.13E-02	2.89E-02	2.96E-02	2.79E-02	8.12E-03	7.94E-03	1.61E-02	7.93E-03	7.75E-03	1.57E-02	7.82E-03	7.65E-03	1.55E-02
1275 489985.89, 3859126.54	0.18818	0.18767	2.86E-02	2.97E-02	2.69E-02	2.76E-02	2.60E-02	7.57E-03	7.55E-03	1.51E-02	7.39E-03	7.37E-03	1.48E-02	7.29E-03	7.27E-03	1.46E-02
1276 490035.89, 3859126.54	0.17702	0.17613	2.69E-02	2.79E-02	2.53E-02	2.60E-02	2.45E-02	7.12E-03	7.09E-03	1.42E-02	6.95E-03	6.92E-03	1.39E-02	6.86E-03	6.82E-03	1.37E-02
1277 489585.89, 3859176.54	0.37247	0.36542	5.66E-02	5.79E-02	5.33E-02	5.46E-02	5.15E-02	1.50E-02	1.47E-02	2.97E-02	1.46E-02	1.43E-02	2.90E-02	1.44E-02	1.42E-02	2.86E-02
1278 489635.89, 3859176.54	0.34064	0.32671	5.18E-02	5.17E-02	4.88E-02	4.99E-02	4.71E-02	1.37E-02	1.31E-02	2.69E-02	1.34E-02	1.28E-02	2.62E-02	1.32E-02	1.27E-02	2.59E-02
1279 489685.89, 3859176.54	0.31297	0.29879	4.76E-02	4.73E-02	4.48E-02	4.59E-02	4.33E-02	1.26E-02	1.20E-02	2.46E-02	1.23E-02	1.17E-02	2.40E-02	1.21E-02	1.16E-02	2.37E-02
1280 489735.89, 3859176.54	0.29061	0.27667	4.42E-02	4.38E-02	4.16E-02	4.26E-02	4.02E-02	1.17E-02	1.11E-02	2.28E-02	1.14E-02	1.09E-02	2.23E-02	1.13E-02	1.07E-02	2.20E-02
1281 489785.89, 3859176.54	0.2717	0.25833	4.13E-02	4.09E-02	3.89E-02	3.98E-02	3.76E-02	1.09E-02	1.04E-02	2.13E-02	1.07E-02	1.01E-02	2.08E-02	1.05E-02	1.00E-02	2.05E-02
1282 489835.89, 3859176.54	0.2555	0.24274	3.88E-02	3.84E-02	3.66E-02	3.75E-02	3.53E-02	1.03E-02	9.77E-03	2.01E-02	1.00E-02	9.53E-03	1.96E-02	9.90E-03	9.41E-03	1.93E-02
1283 489885.89, 3859176.54	0.23964	0.22902	3.64E-02	3.63E-02	3.43E-02	3.51E-02	3.31E-02	9.64E-03	9.22E-03	1.89E-02	9.41E-03	8.99E-03	1.84E-02	9.29E-03	8.87E-03	1.82E-02
1284 489935.89, 3859176.54	0.2265	0.21583	3.44E-02	3.42E-02	3.24E-02	3.32E-02	3.13E-02	9.12E-03	8.69E-03	1.78E-02	8.89E-03	8.48E-03	1.74E-02	8.78E-03	8.36E-03	1.71E-02
1285 489985.89, 3859176.54	0.21139	0.20299	3.21E-02	3.21E-02	3.03E-02	3.10E-02	2.92E-02	8.51E-03	8.17E-03	1.67E-02	8.30E-03	7.97E-03	1.63E-02	8.19E-03	7.87E-03	1.61E-02
1286 490035.89, 3859176.54	0.19917	0.19418	3.03E-02	3.07E-02	2.85E-02	2.92E-02	2.75E-02	8.02E-03	7.81E-03	1.58E-02	7.82E-03	7.63E-03	1.54E-02	7.72E-03	7.52E-03	1.52E-02
1287 489685.89, 3859226.54	0.36664	0.35608	5.57E-02	5.64E-02	5.25E-02	5.38E-02	5.07E-02	1.48E-02	1.43E-02	2.91E-02	1.44E-02	1.40E-02	2.84E-02	1.42E-02	1.38E-02	2.80E-02
1288 489735.89, 3859226.54	0.33624	0.32257	5.11E-02	5.11E-02	4.81E-02	4.93E-02	4.65E-02	1.35E-02	1.30E-02	2.65E-02	1.32E-02	1.27E-02	2.59E-02	1.30E-02	1.25E-02	2.55E-02
1289 489785.89, 3859226.54	0.30855	0.29638	4.69E-02	4.69E-02	4.42E-02	4.52E-02	4.27E-02	1.24E-02	1.19E-02	2.43E-02	1.21E-02	1.16E-02	2.38E-02	1.20E-02	1.15E-02	2.34E-02
1290 489835.89, 3859226.54	0.28597	0.27421	4.35E-02	4.34E-02	4.09E-02	4.19E-02	3.96E-02	1.15E-02	1.10E-02	2.25E-02	1.12E-02	1.08E-02	2.20E-02	1.11E-02	1.06E-02	2.17E-02
1291 489885.89, 3859226.54	0.26783	0.25626	4.07E-02	4.06E-02	3.83E-02	3.93E-02	3.70E-02	1.08E-02	1.03E-02	2.11E-02	1.05E-02	1.01E-02	2.06E-02	1.04E-02	9.93E-03	2.03E-02
1292 489935.89, 3859226.54	0.25203	0.24036	3.83E-02	3.81E-02	3.61E-02	3.70E-02	3.49E-02	1.01E-02	9.67E-03	1.98E-02	9.90E-03	9.44E-03	1.93E-02	9.77E-03	9.31E-03	1.91E-02
1293 489985.89, 3859226.54	0.2321	0.22068	3.53E-02	3.49E-02	3.32E-02	3.40E-02	3.21E-02	9.34E-03	8.88E-03	1.82E-02	9.11E-03	8.67E-03	1.78E-02	8.99E-03	8.55E-03	1.75E-02
1294 490035.89, 3859226.54	0.22046	0.21065	3.35E-02	3.34E-02	3.16E-02	3.23E-02	3.05E-02	8.87E-03	8.48E-03	1.73E-02	8.66E-03	8.27E-03	1.69E-02	8.54E-03	8.16E-03	1.67E-02
1295 489735.89, 3859276.54	0.39871	0.3913	6.06E-02	6.20E-02	5.71E-02	5.85E-02	5.51E-02	1.60E-02	1.57E-02	3.18E-02	1.57E-02	1.54E-02	3.10E-02	1.54E-02	1.52E-02	3.06E-02
1296 489785.89, 3859276.54	0.36126	0.34954	5.49E-02	5.53E-02	5.17E-02	5.30E-02	5.00E-02	1.45E-02	1.41E-02	2.86E-02	1.42E-02	1.37E-02	2.79E-02	1.40E-02	1.35E-02	2.75E-02
1297 489835.89, 3859276.54	0.32981	0.31807	5.01E-02	5.04E-02	4.72E-02	4.84E-02	4.56E-02	1.33E-02	1.28E-02	2.61E-02	1.30E-02	1.25E-02	2.54E-02	1.28E-02	1.23E-02	2.51E-02
1298 489885.89, 3859276.54	0.30309	0.29294	4.61E-02	4.64E-02	4.34E-02	4.44E-02	4.19E-02	1.22E-02	1.18E-02	2.40E-02	1.19E-02	1.15E-02	2.34E-02	1.17E-02	1.14E-02	2.31E-02
1299 489935.89, 3859276.54	0.28135	0.27116	4.28E-02	4.29E-02	4.03E-02	4.13E-02	3.89E-02	1.13E-02	1.09E-02	2.22E-02	1.10E-02	1.06E-02	2.17E-02	1.09E-02	1.05E-02	2.14E-02
1300 489985.89, 3859276.54	0.25893	0.24669	3.93E-02	3.91E-02	3.71E-02	3.80E-02	3.58E-02	1.04E-02	9.93E-03	2.03E-02	1.02E-02	9.69E-03	1.99E-02	1.00E-02	9.56E-03	1.96E-02
1301 490035.89, 3859276.54	0.24557	0.23508	3.73E-02	3.72E-02	3.52E-02	3.60E-02	3.40E-02	9.88E-03	9.46E-03	1.93E-02	9.64E-03	9.23E-03	1.89E-02	9.52E-03	9.11E-03	1.86E-02
1302 490458.06, 3859590.74	0.35394	0.34702	5.38E-02	5.49E-02	5.07E-02	5.19E-02	4.90E-02	1.42E-02	1.40E-02	2.82E-02	1.39E-02	1.36E-02	2.75E-02	1.37E-02	1.34E-02	2.72E-02
1303 490508.06, 3859590.74	0.3201	0.31968	4.86E-02	5.06E-02	4.58E-02	4.69E-02	4.43E-02	1.29E-02	1.29E-02	2.57E-02	1.26E-02	1.26E-02	2.51E-02	1.24E-02	1.24E-02	2.48E-02
1304 490558.06, 3859590.74	0.29338	0.28837	4.46E-02	4.57E-02	4.20E-02	4.30E-02	4.06E-02	1.18E-02	1.16E-02	2.34E-02	1.15E-02	1.13E-02	2.28E-02	1.14E-02	1.12E-02	2.25E-02
1305 490608.06, 3859590.74	0.26322	0.26263	4.00E-02	4.16E-02	3.77E-02	3.86E-02	3.64E-02	1.06E-02	1.06E-02	2.12E-02	1.03E-02	1.03E-02	2.07E-02	1.02E-02	1.02E-02	2.04E-02
1306 490658.06, 3859590.74	0.24052	0.24009	3.65E-02	3.80E-02	3.44E-02	3.53E-02	3.33E-02	9.68E-03	9.66E-03	1.93E-02	9.45E-03	9.43E-03	1.89E-02	9.32E-03	9.30E-03	1.86E-02
1307 490708.06, 3859590.74	0.2202	0.21747	3.35E-02	3.44E-02	3.15E-02	3.23E-02	3.05E-02	8.86E-03	8.75E-03	1.76E-02	8.65E-03	8.54E-03	1.72E-02	8.53E-03	8.43E-03	1.70E-02
1308 490758.06, 3859590.74	0.19749	0.19701	3.00E-02	3.12E-02	2.83E-02	2.90E-02	2.73E-02	7.95E-03	7.93E-03	1.59E-02	7.76E-03	7.74E-03	1.55E-02	7.65E-03	7.63E-03	1.53E-02
1309 490808.06, 3859590.74	0.18363	0.18474	2.79E-02	2.93E-02	2.63E-02	2.69E-02	2.54E-02	7.39E-03	7.43E-03	1.48E-02	7.21E-03	7.25E-03	1.45E-02	7.12E-03	7.16E-03	1.43E-02
1310 490858.06, 3859590.74	0.16962	0.17164	2.58E-02	2.72E-02	2.43E-02	2.49E-02	2.35E-02	6.83E-03	6.91E-03	1.37E-02	6.66E-03	6.74E-03	1.34E-02	6.57E-03	6.65E-03	1.32E-02
1311 490458.06, 3859640.74	0.45331	0.45103	6.89E-02	7.14E-02	6.49E-02	6.65E-02	6.27E-02	1.82E-02	1.82E-02	3.64E-02	1.78E-02	1.77E-02	3.55E-02	1.76E-02	1.75E-02	3.50E-02
1312 490508.06, 3859640.74	0.40473	0.40453	6.15E-02	6.40E-02	5.79E-02	5.93E-02	5.60E-02	1.63E-02	1.63E-02	3.26E-02	1.59E-02	1.59E-02	3.18E-02	1.57E-02	1.57E-02	3.14E-02
1313 490558.06, 3859640.74	0.36546	0.36841	5.55E-02	5.83E-02	5.23E-02	5.36E-02	5.05E-02	1.47E-02	1.48E-02	2.95E-02	1.44E-02	1.45E-02	2.88E-02	1.42E-02	1.43E-02	2.84E-02
1314 490608.06, 3859640.74	0.33043	0.32633	5.02E-02	5.17E-02	4.73E-02	4.85E-02	4.57E-02	1.33E-02	1.31E-02	2.64E-02	1.30E-02	1.28E-02	2.58E-02	1.28E-02	1.26E-02	2.54E-02
1315 490658.06, 3859640.74	0.29566	0.28975	4.49E-02	4.59E-02	4.23E-02	4.34E-02	4.09E-02	1.19E-02	1.17E-02	2.36E-02	1.16E-02	1.14E-02	2.30E-02	1.15E-02	1.12E-02	2.27E-02
1316 490708.06, 3859640.74	0.26639	0.26601	4.05E-02	4.21E-02	3.81E-02	3.91E-02	3.68E-02	1.07E-02	1.07E-02	2.14E-02	1.05E-02	1.04E-02	2.09E-02	1.03E-02	1.03E-02	2.06E-02

1317 490758.06, 3859640.74	0.23617	0.23531	3.59E-02	3.73E-02	3.38E-02	3.46E-02	3.27E-02	9.50E-03	9.47E-03	1.90E-02	9.27E-03	9.24E-03	1.85E-02	9.15E-03	9.12E-03	1.83E-02
1318 490808.06, 3859640.74	0.21369	0.21349	3.25E-02	3.38E-02	3.06E-02	3.13E-02	2.96E-02	8.60E-03	8.59E-03	1.72E-02	8.39E-03	8.38E-03	1.68E-02	8.28E-03	8.27E-03	1.66E-02
1319 490858.06, 3859640.74	0.19915	0.1998	3.03E-02	3.16E-02	2.85E-02	2.92E-02	2.75E-02	8.01E-03	8.04E-03	1.61E-02	7.82E-03	7.85E-03	1.57E-02	7.72E-03	7.74E-03	1.55E-02
1320 490608.06, 3859690.74	0.42878	0.43141	6.52E-02	6.83E-02	6.14E-02	6.29E-02	5.93E-02	1.73E-02	1.74E-02	3.46E-02	1.68E-02	1.69E-02	3.38E-02	1.66E-02	1.67E-02	3.33E-02
1321 490658.06, 3859690.74	0.36534	0.36665	5.55E-02	5.81E-02	5.23E-02	5.36E-02	5.05E-02	1.47E-02	1.48E-02	2.95E-02	1.43E-02	1.44E-02	2.87E-02	1.42E-02	1.42E-02	2.84E-02
1322 490708.06, 3859690.74	0.32303	0.32134	4.91E-02	5.09E-02	4.62E-02	4.74E-02	4.47E-02	1.30E-02	1.29E-02	2.59E-02	1.27E-02	1.26E-02	2.53E-02	1.25E-02	1.25E-02	2.50E-02
1323 490758.06, 3859690.74	0.29073	0.28965	4.42E-02	4.59E-02	4.16E-02	4.26E-02	4.02E-02	1.17E-02	1.17E-02	2.34E-02	1.14E-02	1.14E-02	2.28E-02	1.13E-02	1.12E-02	2.25E-02
1324 490808.06, 3859690.74	0.25889	0.25836	3.93E-02	4.09E-02	3.71E-02	3.80E-02	3.58E-02	1.04E-02	1.04E-02	2.08E-02	1.02E-02	1.01E-02	2.03E-02	1.00E-02	1.00E-02	2.00E-02
1325 490858.06, 3859690.74	0.23921	0.23781	3.63E-02	3.77E-02	3.42E-02	3.51E-02	3.31E-02	9.63E-03	9.57E-03	1.92E-02	9.39E-03	9.34E-03	1.87E-02	9.27E-03	9.21E-03	1.85E-02
1326 490708.06, 3859740.74	0.4316	0.44133	6.56E-02	6.99E-02	6.18E-02	6.33E-02	5.97E-02	1.74E-02	1.78E-02	3.51E-02	1.69E-02	1.73E-02	3.43E-02	1.67E-02	1.71E-02	3.38E-02
1327 490758.06, 3859740.74	0.37771	0.38098	5.74E-02	6.03E-02	5.41E-02	5.54E-02	5.22E-02	1.52E-02	1.53E-02	3.05E-02	1.48E-02	1.50E-02	2.98E-02	1.46E-02	1.48E-02	2.94E-02
1328 490808.06, 3859740.74	0.33775	0.34239	5.13E-02	5.42E-02	4.84E-02	4.95E-02	4.67E-02	1.36E-02	1.38E-02	2.74E-02	1.33E-02	1.34E-02	2.67E-02	1.31E-02	1.33E-02	2.64E-02
1329 490858.06, 3859740.74	0.30506	0.30825	4.64E-02	4.88E-02	4.37E-02	4.47E-02	4.22E-02	1.23E-02	1.24E-02	2.47E-02	1.20E-02	1.21E-02	2.41E-02	1.18E-02	1.19E-02	2.38E-02
1330 490786.56, 3859749.39	0.37189	0.3769	5.65E-02	5.97E-02	5.32E-02	5.45E-02	5.14E-02	1.50E-02	1.52E-02	3.01E-02	1.46E-02	1.48E-02	2.94E-02	1.44E-02	1.46E-02	2.90E-02
1331 490836.56, 3859749.39	0.33453	0.33841	5.08E-02	5.36E-02	4.79E-02	4.91E-02	4.63E-02	1.35E-02	1.36E-02	2.71E-02	1.31E-02	1.33E-02	2.64E-02	1.30E-02	1.31E-02	2.61E-02
1332 490786.56, 3859799.39	0.5414	0.56326	8.23E-02	8.92E-02	7.75E-02	7.94E-02	7.49E-02	2.18E-02	2.27E-02	4.45E-02	2.13E-02	2.21E-02	4.34E-02	2.10E-02	2.18E-02	4.28E-02
1333 490836.56, 3859799.39	0.45463	0.46965	6.91E-02	7.44E-02	6.51E-02	6.67E-02	6.29E-02	1.83E-02	1.89E-02	3.72E-02	1.79E-02	1.84E-02	3.63E-02	1.76E-02	1.82E-02	3.58E-02
1334 492307.84, 3854508.36	0.02149	0.02695	3.27E-03	4.27E-03	3.08E-03	3.15E-03	2.97E-03	8.65E-04	1.08E-03	1.95E-03	8.44E-04	1.06E-03	1.90E-03	8.33E-04	1.04E-03	1.88E-03
1335 486445.7, 3854753.6	0.02459	0.05515	3.74E-03	8.73E-03	3.52E-03	3.61E-03	3.40E-03	9.90E-04	2.22E-03	3.21E-03	9.66E-04	2.17E-03	3.13E-03	9.53E-04	2.14E-03	3.09E-03
1336 472599.75, 3877830.11	0.0039	0.00376	5.93E-04	5.95E-04	5.58E-04	5.72E-04	5.39E-04	1.57E-04	1.51E-04	3.08E-04	1.53E-04	1.48E-04	3.01E-04	1.51E-04	1.46E-04	2.97E-04
1337 493107.48, 3866840.19	0.00779	0.00858	1.18E-03	1.36E-03	1.12E-03	1.14E-03	1.08E-03	3.13E-04	3.45E-04	6.59E-04	3.06E-04	3.37E-04	6.43E-04	3.02E-04	3.32E-04	6.34E-04
1338 495815.79, 3861662.87	0.18386	0.1852	2.79E-02	2.93E-02	2.63E-02	2.70E-02	2.54E-02	7.40E-03	7.45E-03	1.49E-02	7.22E-03	7.27E-03	1.45E-02	7.12E-03	7.18E-03	1.43E-02
1339 480272.33, 3841389.2	0.00413	0.00403	6.28E-04	6.38E-04	5.91E-04	6.06E-04	5.71E-04	1.66E-04	1.62E-04	3.28E-04	1.62E-04	1.58E-04	3.20E-04	1.60E-04	1.56E-04	3.16E-04
1340 497005.18, 3862813.64	0.11191	0.11229	1.70E-02	1.78E-02	1.60E-02	1.64E-02	1.55E-02	4.50E-03	4.52E-03	9.02E-03	4.39E-03	4.41E-03	8.80E-03	4.34E-03	4.35E-03	8.69E-03
1341 493677.33, 3860302.55	0.07776	0.07843	1.18E-02	1.24E-02	1.11E-02	1.14E-02	1.08E-02	3.13E-03	3.16E-03	6.29E-03	3.05E-03	3.08E-03	6.13E-03	3.01E-03	3.04E-03	6.05E-03
1342 493727.33, 3860302.55	0.07668	0.0774	1.17E-02	1.23E-02	1.10E-02	1.12E-02	1.06E-02	3.09E-03	3.11E-03	6.20E-03	3.01E-03	3.04E-03	6.05E-03	2.97E-03	3.00E-03	5.97E-03
1343 493777.33, 3860302.55	0.07539	0.07609	1.15E-02	1.20E-02	1.08E-02	1.11E-02	1.04E-02	3.03E-03	3.06E-03	6.10E-03	2.96E-03	2.99E-03	5.95E-03	2.92E-03	2.95E-03	5.87E-03
1344 493827.33, 3860302.55	0.0741	0.07467	1.13E-02	1.18E-02	1.06E-02	1.09E-02	1.02E-02	2.98E-03	3.00E-03	5.99E-03	2.91E-03	2.93E-03	5.84E-03	2.87E-03	2.89E-03	5.76E-03
1345 493877.33, 3860302.55	0.07345	0.07392	1.12E-02	1.17E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	2.97E-03	5.93E-03	2.88E-03	2.90E-03	5.79E-03	2.85E-03	2.86E-03	5.71E-03
1346 493927.33, 3860302.55	0.07266	0.07363	1.10E-02	1.17E-02	1.04E-02	1.07E-02	1.00E-02	2.92E-03	2.96E-03	5.89E-03	2.85E-03	2.89E-03	5.74E-03	2.82E-03	2.85E-03	5.67E-03
1347 493977.33, 3860302.55	0.07025	0.07143	1.07E-02	1.13E-02	1.01E-02	1.03E-02	9.72E-03	2.83E-03	2.87E-03	5.70E-03	2.76E-03	2.81E-03	5.56E-03	2.72E-03	2.77E-03	5.49E-03
1348 494027.33, 3860302.55	0.06883	0.06962	1.05E-02	1.10E-02	9.85E-03	1.01E-02	9.52E-03	2.77E-03	2.80E-03	5.57E-03	2.70E-03	2.73E-03	5.44E-03	2.67E-03	2.70E-03	5.36E-03
1349 493677.33, 3860352.55	0.07849	0.08018	1.19E-02	1.27E-02	1.12E-02	1.15E-02	1.09E-02	3.16E-03	3.23E-03	6.39E-03	3.08E-03	3.15E-03	6.23E-03	3.04E-03	3.11E-03	6.15E-03
1350 493727.33, 3860352.55	0.07802	0.07957	1.19E-02	1.26E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	3.20E-03	6.34E-03	3.06E-03	3.12E-03	6.19E-03	3.02E-03	3.08E-03	6.11E-03
1351 493777.33, 3860352.55	0.07745	0.07867	1.18E-02	1.25E-02	1.11E-02	1.14E-02	1.07E-02	3.12E-03	3.17E-03	6.28E-03	3.04E-03	3.09E-03	6.13E-03	3.00E-03	3.05E-03	6.05E-03
1352 493827.33, 3860352.55	0.07651	0.07752	1.16E-02	1.23E-02	1.10E-02	1.12E-02	1.06E-02	3.08E-03	3.12E-03	6.20E-03	3.00E-03	3.04E-03	6.05E-03	2.96E-03	3.00E-03	5.97E-03
1353 493877.33, 3860352.55	0.0751	0.07612	1.14E-02	1.21E-02	1.08E-02	1.10E-02	1.04E-02	3.02E-03	3.06E-03	6.09E-03	2.95E-03	2.99E-03	5.94E-03	2.91E-03	2.95E-03	5.86E-03
1354 493927.33, 3860352.55	0.07313	0.07404	1.11E-02	1.17E-02	1.05E-02	1.07E-02	1.01E-02	2.94E-03	2.98E-03	5.92E-03	2.87E-03	2.91E-03	5.78E-03	2.83E-03	2.87E-03	5.70E-03
1355 493977.33, 3860352.55	0.07102	0.07233	1.08E-02	1.15E-02	1.02E-02	1.04E-02	9.82E-03	2.86E-03	2.91E-03	5.77E-03	2.79E-03	2.84E-03	5.63E-03	2.75E-03	2.80E-03	5.55E-03
1356 494027.33, 3860352.55	0.07028	0.07141	1.07E-02	1.13E-02	1.01E-02	1.03E-02	9.72E-03	2.83E-03	2.87E-03	5.70E-03	2.76E-03	2.80E-03	5.56E-03	2.72E-03	2.77E-03	5.49E-03
1357 493677.33, 3860402.55	0.08288	0.08424	1.26E-02	1.33E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	3.39E-03	6.73E-03	3.25E-03	3.31E-03	6.56E-03	3.21E-03	3.26E-03	6.48E-03
1358 493727.33, 3860402.55	0.08198	0.08341	1.25E-02	1.32E-02	1.17E-02	1.20E-02	1.13E-02	3.30E-03	3.36E-03	6.66E-03	3.22E-03	3.28E-03	6.49E-03	3.18E-03	3.23E-03	6.41E-03
1359 493777.33, 3860402.55	0.07879	0.08037	1.20E-02	1.27E-02	1.13E-02	1.16E-02	1.09E-02	3.17E-03	3.23E-03	6.41E-03	3.09E-03	3.16E-03	6.25E-03	3.05E-03	3.11E-03	6.17E-03
1360 493827.33, 3860402.55	0.07894	0.08044	1.20E-02	1.27E-02	1.13E-02	1.16E-02	1.09E-02	3.18E-03	3.24E-03	6.41E-03	3.10E-03	3.16E-03	6.26E-03	3.06E-03	3.12E-03	6.18E-03
1361 493877.33, 3860402.55	0.07799	0.07962	1.19E-02	1.26E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	3.20E-03	6.34E-03	3.06E-03	3.13E-03	6.19E-03	3.02E-03	3.09E-03	6.11E-03
1362 493927.33, 3860402.55	0.07469	0.0763	1.13E-02	1.21E-02	1.07E-02	1.10E-02	1.03E-02	3.01E-03	3.07E-03	6.08E-03	2.93E-03	3.00E-03	5.93E-03	2.89E-03	2.96E-03	5.85E-03
1363 493977.33, 3860402.55	0.07192	0.07307	1.09E-02	1.16E-02	1.03E-02	1.05E-02	9.95E-03	2.89E-03	2.94E-03	5.83E-03	2.82E-03	2.87E-03	5.69E-03	2.79E-03	2.83E-03	5.62E-03
1364 494027.33, 3860402.55	0.0716	0.07281	1.09E-02	1.15E-02	1.03E-02	1.05E-02	9.90E-03	2.88E-03	2.93E-03	5.81E-03	2.81E-03	2.86E-03	5.67E-03	2.77E-03	2.82E-03	5.60E-03
1365 493677.33, 3860452.55	0.08528	0.08654	1.30E-02	1.37E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.48E-03	6.91E-03	3.35E-03	3.40E-03	6.75E-03	3.30E-03	3.35E-03	6.66E-03
1366 493727.33, 3860452.55	0.0858	0.08696	1.30E-02	1.38E-02	1.23E-02	1.26E-02	1.19E-02	3.45E-03	3.50E-03	6.95E-03	3.37E-03	3.41E-03	6.78E-03	3.32E-03	3.37E-03	6.69E-03
1367 493777.33, 3860452.55	0.08476	0.08593	1.29E-02	1.36E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.46E-03	6.87E-03	3.33E-03	3.37E-03	6.70E-03	3.28E-03	3.33E-03	6.61E-03
1368 493827.33, 3860452.55	0.08227	0.08376	1.25E-02	1.33E-02	1.18E-02	1.21E-02	1.14E-02	3.31E-03	3.37E-03	6.68E-03	3.23E-03	3.29E-03	6.52E-03	3.19E-03	3.25E-03	6.43E-03
1369 493877.33, 3860452.55	0.08027	0.08195	1.22E-02	1.30E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.30E-03	6.53E-03	3.15E-03	3.22E-03	6.37E-03	3.11E-03	3.18E-03	6.29E-03
1370 493927.33, 3860452.55	0.07613	0.07778	1.16E-02	1.23E-02	1.09E-02	1.12E-02	1.05E-02	3.06E-03	3.13E-03	6.19E-03	2.99E-03	3.05E-03	6.04E-03	2.95E-03	3.01E-03	5.96E-03
1371 493977.33, 3860452.55	0.07507	0.07669	1.14E-02	1.21E-02	1.07E-02	1.10E-02	1.04E-02	3.02E-03	3.09E-03	6.11E-03	2.95E-03	3.01E-03	5.96E-03	2.91E-03	2.97E-03	5.88E-03
1372 494027.33, 3860452.55	0.07422	0.07575	1.13E-02	1.20E-02	1.06E-02	1.09E-02	1.03E-02	2.99E-03	3.05E-03	6.04E-03	2.91E-03	2.97E-03	5.89E-03	2.88E-03	2.94E-03	5.81E-03
1373 493677.33, 3860502.55	0.0876	0.08927	1.33E-02	1.41E-02	1.25E-02	1.28E-02	1.21E-02	3.53E-03	3.59E-03	7.12E-03	3.44E-03	3.51E-03	6.95E-03	3.39E-03	3.46E-03	6.85E-03
1374 493727.33, 3860502.55	0.08731	0.08941	1.33E-02	1.42E-02	1.25E-02	1.28E-02	1.21E-02	3.51E-03	3.60E-03	7.11E-03	3.43E-03	3.51E-03	6.94E-03	3.38E-03	3.46E-03	6.85E-03
1375 493777.33, 3860502.55	0.08643	0.08841	1.31E-02	1.40E-02	1.24E-02	1.27E-02	1.20E-02	3.48E-03	3.56E-03	7.04E-03	3.39E-03	3.47E-03	6.87E-03	3.35E-03	3.43E-03	6.77E-03
1376 493827.33, 3860502.55	0.08547	0.08724	1.30E-02	1.38E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	3.51E-03	6.95E-03	3.36E-03	3.43E-03	6.78E-03	3.31E-03	3.38E-03	6.69E-03
1377 493877.33, 3860502.55	0.0833	0.08433	1.27E-02	1.34E-02	1.19E-02	1.22E-02	1.15E-02	3.35E-03	3.39E-03	6.75E-03	3.27E-03	3.31E-03	6.58E-03	3.23E-03	3.27E-03	6.50E-03
1378 493927.33, 3860502.55	0.07999	0.08122	1.22E-02	1.29E-02	1.15E-02	1.17E-02	1.11E-02	3.22E-03	3.27E-03	6.49E-03	3.14E-03	3.19E-03	6.33E-03	3.10E-03	3.15E-03	6.25E-03
1379 493977.33, 3860502.55	0.07937	0.08048	1.21E-02	1.27E-02	1.14E-02	1.16E-02	1.10E-02	3.19E-03	3.24E-03	6.43E-03	3.12E-03	3.16E-03	6.28E-03	3.08E-03	3.12E-03	6.19E-03
1380 494027.33, 3860502.55	0.07796	0.07926	1.18E-02	1.25E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	3.19E-03	6.33E-03	3.06E-03	3.11E-03	6.17E-03	3.02E-03	3.07E-03	6.09E-03
1381 493627.33, 3860552.55	0.09067	0.0929	1.38E-02	1.47E-02	1.30E-02	1.33E-02	1.25E-02	3.65E-03	3.74E-03	7.39E-03	3.56E-03	3.65E-03	7.21E-03	3.51E-03	3.60E-03	7.11E-03
1382 493677.33, 3860552.55	0.09077	0.09286	1.38E-02	1.47E-02	1.30E-02	1.33E-02	1.26E-02	3.65E-03	3.74E-03	7.39E-03	3.56E-03	3.65E-03	7.21E-03	3.52E-03	3.60E-03	7.12E-03

1383 493727.33, 3860552.55	0.09052	0.09254	1.38E-02	1.47E-02	1.30E-02	1.33E-02	1.25E-02	3.64E-03	3.72E-03	7.37E-03	3.55E-03	3.63E-03	7.19E-03	3.51E-03	3.59E-03	7.09E-03
1384 493777.33, 3860552.55	0.08897	0.09111	1.35E-02	1.44E-02	1.27E-02	1.30E-02	1.23E-02	3.58E-03	3.67E-03	7.25E-03	3.49E-03	3.58E-03	7.07E-03	3.45E-03	3.53E-03	6.98E-03
1385 493827.33, 3860552.55	0.08679	0.08863	1.32E-02	1.40E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.57E-03	7.06E-03	3.41E-03	3.48E-03	6.89E-03	3.36E-03	3.43E-03	6.80E-03
1386 493877.33, 3860552.55	0.08625	0.08786	1.31E-02	1.39E-02	1.23E-02	1.26E-02	1.19E-02	3.47E-03	3.54E-03	7.01E-03	3.39E-03	3.45E-03	6.84E-03	3.34E-03	3.40E-03	6.75E-03
1387 493927.33, 3860552.55	0.08457	0.0858	1.29E-02	1.36E-02	1.21E-02	1.24E-02	1.17E-02	3.40E-03	3.45E-03	6.86E-03	3.32E-03	3.37E-03	6.69E-03	3.28E-03	3.32E-03	6.60E-03
1388 493977.33, 3860552.55	0.08259	0.08325	1.25E-02	1.32E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.35E-03	6.67E-03	3.24E-03	3.27E-03	6.51E-03	3.20E-03	3.23E-03	6.43E-03
1389 494027.33, 3860552.55	0.08184	0.08245	1.24E-02	1.31E-02	1.17E-02	1.20E-02	1.13E-02	3.29E-03	3.32E-03	6.61E-03	3.21E-03	3.24E-03	6.45E-03	3.17E-03	3.19E-03	6.37E-03
1390 493627.33, 3860602.55	0.09515	0.09566	1.45E-02	1.51E-02	1.36E-02	1.40E-02	1.32E-02	3.83E-03	3.85E-03	7.68E-03	3.74E-03	3.76E-03	7.49E-03	3.69E-03	3.71E-03	7.39E-03
1391 493727.33, 3860602.55	0.09585	0.09627	1.46E-02	1.52E-02	1.37E-02	1.41E-02	1.33E-02	3.86E-03	3.87E-03	7.73E-03	3.76E-03	3.78E-03	7.54E-03	3.71E-03	3.73E-03	7.44E-03
1392 493777.33, 3860602.55	0.09288	0.09347	1.41E-02	1.48E-02	1.33E-02	1.36E-02	1.28E-02	3.74E-03	3.76E-03	7.50E-03	3.65E-03	3.67E-03	7.32E-03	3.60E-03	3.62E-03	7.22E-03
1393 493827.33, 3860602.55	0.09124	0.09205	1.39E-02	1.46E-02	1.31E-02	1.34E-02	1.26E-02	3.67E-03	3.70E-03	7.38E-03	3.58E-03	3.61E-03	7.20E-03	3.54E-03	3.57E-03	7.10E-03
1394 493877.33, 3860602.55	0.08833	0.08938	1.34E-02	1.42E-02	1.26E-02	1.30E-02	1.22E-02	3.55E-03	3.60E-03	7.15E-03	3.47E-03	3.51E-03	6.98E-03	3.42E-03	3.46E-03	6.89E-03
1395 493927.33, 3860602.55	0.08677	0.0879	1.32E-02	1.39E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.54E-03	7.03E-03	3.41E-03	3.45E-03	6.86E-03	3.36E-03	3.41E-03	6.77E-03
1396 493977.33, 3860602.55	0.08493	0.08602	1.29E-02	1.36E-02	1.22E-02	1.25E-02	1.17E-02	3.42E-03	3.46E-03	6.88E-03	3.34E-03	3.38E-03	6.71E-03	3.29E-03	3.33E-03	6.62E-03
1397 494027.33, 3860602.55	0.08474	0.08564	1.29E-02	1.36E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.45E-03	6.86E-03	3.33E-03	3.36E-03	6.69E-03	3.28E-03	3.32E-03	6.60E-03
1398 493627.33, 3860652.55	0.09933	0.09977	1.51E-02	1.58E-02	1.42E-02	1.46E-02	1.37E-02	4.00E-03	4.02E-03	8.01E-03	3.90E-03	3.92E-03	7.82E-03	3.85E-03	3.87E-03	7.71E-03
1399 493727.33, 3860652.55	0.09848	0.09817	1.50E-02	1.55E-02	1.41E-02	1.44E-02	1.36E-02	3.96E-03	3.95E-03	7.91E-03	3.87E-03	3.86E-03	7.72E-03	3.82E-03	3.80E-03	7.62E-03
1400 493777.33, 3860652.55	0.09719	0.09638	1.48E-02	1.53E-02	1.39E-02	1.43E-02	1.34E-02	3.91E-03	3.88E-03	7.79E-03	3.82E-03	3.78E-03	7.60E-03	3.77E-03	3.73E-03	7.50E-03
1401 493827.33, 3860652.55	0.0956	0.09471	1.45E-02	1.50E-02	1.37E-02	1.40E-02	1.32E-02	3.85E-03	3.81E-03	7.66E-03	3.75E-03	3.72E-03	7.47E-03	3.70E-03	3.67E-03	7.37E-03
1402 493877.33, 3860652.55	0.09281	0.09227	1.41E-02	1.46E-02	1.33E-02	1.36E-02	1.28E-02	3.73E-03	3.71E-03	7.45E-03	3.64E-03	3.62E-03	7.27E-03	3.60E-03	3.58E-03	7.17E-03
1403 493927.33, 3860652.55	0.09107	0.09066	1.38E-02	1.44E-02	1.30E-02	1.34E-02	1.26E-02	3.66E-03	3.65E-03	7.31E-03	3.58E-03	3.56E-03	7.14E-03	3.53E-03	3.51E-03	7.04E-03
1404 493977.33, 3860652.55	0.08936	0.08938	1.36E-02	1.42E-02	1.28E-02	1.31E-02	1.24E-02	3.60E-03	3.60E-03	7.19E-03	3.51E-03	3.51E-03	7.02E-03	3.46E-03	3.46E-03	6.93E-03
1405 494027.33, 3860652.55	0.08643	0.08719	1.31E-02	1.38E-02	1.24E-02	1.27E-02	1.20E-02	3.48E-03	3.51E-03	6.99E-03	3.39E-03	3.42E-03	6.82E-03	3.35E-03	3.38E-03	6.73E-03
1406 494311.06, 3858401.99	0.01669	0.01774	2.54E-03	2.81E-03	2.39E-03	2.45E-03	2.31E-03	6.72E-04	7.14E-04	1.39E-03	6.55E-04	6.97E-04	1.35E-03	6.47E-04	6.87E-04	1.33E-03
1407 494361.06, 3858401.99	0.01651	0.01742	2.51E-03	2.76E-03	2.36E-03	2.42E-03	2.28E-03	6.64E-04	7.01E-04	1.37E-03	6.48E-04	6.84E-04	1.33E-03	6.40E-04	6.75E-04	1.31E-03
1408 494411.06, 3858401.99	0.01643	0.01725	2.50E-03	2.73E-03	2.35E-03	2.41E-03	2.27E-03	6.61E-04	6.94E-04	1.36E-03	6.45E-04	6.77E-04	1.32E-03	6.37E-04	6.68E-04	1.31E-03
1409 494461.06, 3858401.99	0.01643	0.01723	2.50E-03	2.73E-03	2.35E-03	2.41E-03	2.27E-03	6.61E-04	6.93E-04	1.35E-03	6.45E-04	6.77E-04	1.32E-03	6.37E-04	6.68E-04	1.30E-03
1410 494511.06, 3858401.99	0.01631	0.0171	2.48E-03	2.71E-03	2.33E-03	2.39E-03	2.26E-03	6.56E-04	6.88E-04	1.34E-03	6.40E-04	6.72E-04	1.31E-03	6.32E-04	6.63E-04	1.29E-03
1411 494561.06, 3858401.99	0.01623	0.01708	2.47E-03	2.70E-03	2.32E-03	2.38E-03	2.24E-03	6.53E-04	6.87E-04	1.34E-03	6.37E-04	6.71E-04	1.31E-03	6.29E-04	6.62E-04	1.29E-03
1412 494611.06, 3858401.99	0.01615	0.01683	2.45E-03	2.66E-03	2.31E-03	2.37E-03	2.23E-03	6.50E-04	6.77E-04	1.33E-03	6.34E-04	6.61E-04	1.30E-03	6.26E-04	6.52E-04	1.28E-03
1413 494661.06, 3858401.99	0.01607	0.01641	2.44E-03	2.60E-03	2.30E-03	2.36E-03	2.22E-03	6.47E-04	6.60E-04	1.31E-03	6.31E-04	6.44E-04	1.28E-03	6.23E-04	6.36E-04	1.26E-03
1414 494711.06, 3858401.99	0.01593	0.01614	2.42E-03	2.56E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	6.50E-04	1.29E-03	6.26E-04	6.34E-04	1.26E-03	6.17E-04	6.25E-04	1.24E-03
1415 494761.06, 3858401.99	0.01582	0.01607	2.40E-03	2.54E-03	2.26E-03	2.32E-03	2.19E-03	6.37E-04	6.47E-04	1.28E-03	6.21E-04	6.31E-04	1.25E-03	6.13E-04	6.23E-04	1.24E-03
1416 494811.06, 3858401.99	0.01578	0.01602	2.40E-03	2.54E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	6.45E-04	1.28E-03	6.20E-04	6.29E-04	1.25E-03	6.11E-04	6.21E-04	1.23E-03
1417 494861.06, 3858401.99	0.01572	0.01599	2.39E-03	2.53E-03	2.25E-03	2.30E-03	2.17E-03	6.33E-04	6.43E-04	1.28E-03	6.17E-04	6.28E-04	1.25E-03	6.09E-04	6.20E-04	1.23E-03
1418 494911.06, 3858401.99	0.01569	0.01591	2.38E-03	2.52E-03	2.25E-03	2.30E-03	2.17E-03	6.31E-04	6.40E-04	1.27E-03	6.16E-04	6.25E-04	1.24E-03	6.08E-04	6.16E-04	1.22E-03
1419 494961.06, 3858401.99	0.01559	0.01585	2.37E-03	2.51E-03	2.23E-03	2.29E-03	2.16E-03	6.27E-04	6.38E-04	1.27E-03	6.12E-04	6.22E-04	1.23E-03	6.04E-04	6.14E-04	1.22E-03
1420 495011.06, 3858401.99	0.0155	0.01571	2.36E-03	2.49E-03	2.22E-03	2.27E-03	2.14E-03	6.24E-04	6.32E-04	1.26E-03	6.09E-04	6.17E-04	1.23E-03	6.01E-04	6.09E-04	1.21E-03
1421 495061.06, 3858401.99	0.01542	0.01557	2.34E-03	2.47E-03	2.21E-03	2.26E-03	2.13E-03	6.21E-04	6.27E-04	1.25E-03	6.06E-04	6.11E-04	1.22E-03	5.98E-04	6.03E-04	1.20E-03
1422 495111.06, 3858401.99	0.01507	0.01516	2.29E-03	2.40E-03	2.16E-03	2.21E-03	2.08E-03	6.06E-04	6.10E-04	1.22E-03	5.92E-04	5.95E-04	1.19E-03	5.84E-04	5.87E-04	1.17E-03
1423 495161.06, 3858401.99	0.01504	0.01511	2.29E-03	2.39E-03	2.15E-03	2.21E-03	2.08E-03	6.05E-04	6.08E-04	1.21E-03	5.91E-04	5.93E-04	1.18E-03	5.83E-04	5.85E-04	1.17E-03
1424 495211.06, 3858401.99	0.01491	0.01487	2.27E-03	2.35E-03	2.13E-03	2.19E-03	2.06E-03	6.00E-04	5.98E-04	1.20E-03	5.86E-04	5.84E-04	1.17E-03	5.78E-04	5.76E-04	1.15E-03
1425 495261.06, 3858401.99	0.01484	0.01479	2.25E-03	2.34E-03	2.12E-03	2.18E-03	2.05E-03	5.97E-04	5.95E-04	1.19E-03	5.83E-04	5.81E-04	1.16E-03	5.75E-04	5.73E-04	1.15E-03
1426 495311.06, 3858401.99	0.01456	0.01469	2.21E-03	2.33E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	5.91E-04	1.18E-03	5.72E-04	5.77E-04	1.15E-03	5.64E-04	5.69E-04	1.13E-03
1427 495361.06, 3858401.99	0.01439	0.01458	2.19E-03	2.31E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	5.87E-04	1.17E-03	5.65E-04	5.73E-04	1.14E-03	5.58E-04	5.65E-04	1.12E-03
1428 495411.06, 3858401.99	0.01436	0.01451	2.18E-03	2.30E-03	2.06E-03	2.11E-03	1.99E-03	5.78E-04	5.84E-04	1.16E-03	5.64E-04	5.70E-04	1.13E-03	5.56E-04	5.62E-04	1.12E-03
1429 495461.06, 3858401.99	0.01433	0.01455	2.18E-03	2.30E-03	2.05E-03	2.10E-03	1.98E-03	5.77E-04	5.86E-04	1.16E-03	5.63E-04	5.71E-04	1.13E-03	5.55E-04	5.64E-04	1.12E-03
1430 495511.06, 3858401.99	0.01427	0.01457	2.17E-03	2.31E-03	2.04E-03	2.09E-03	1.97E-03	5.74E-04	5.86E-04	1.16E-03	5.60E-04	5.72E-04	1.13E-03	5.53E-04	5.65E-04	1.12E-03
1431 495561.06, 3858401.99	0.01413	0.01436	2.15E-03	2.27E-03	2.02E-03	2.07E-03	1.95E-03	5.69E-04	5.78E-04	1.15E-03	5.55E-04	5.64E-04	1.12E-03	5.48E-04	5.56E-04	1.10E-03
1432 495611.06, 3858401.99	0.01409	0.01434	2.14E-03	2.27E-03	2.02E-03	2.07E-03	1.95E-03	5.67E-04	5.77E-04	1.14E-03	5.53E-04	5.63E-04	1.12E-03	5.46E-04	5.56E-04	1.10E-03
1433 495661.06, 3858401.99	0.01419	0.0145	2.16E-03	2.30E-03	2.03E-03	2.08E-03	1.96E-03	5.71E-04	5.84E-04	1.15E-03	5.57E-04	5.69E-04	1.13E-03	5.50E-04	5.62E-04	1.11E-03
1434 494311.06, 3858451.99	0.01714	0.01842	2.60E-03	2.92E-03	2.45E-03	2.51E-03	2.37E-03	6.90E-04	7.41E-04	1.43E-03	6.73E-04	7.23E-04	1.40E-03	6.64E-04	7.14E-04	1.38E-03
1435 494361.06, 3858451.99	0.01701	0.01824	2.58E-03	2.89E-03	2.44E-03	2.49E-03	2.35E-03	6.85E-04	7.34E-04	1.42E-03	6.68E-04	7.16E-04	1.38E-03	6.59E-04	7.07E-04	1.37E-03
1436 494411.06, 3858451.99	0.01689	0.01811	2.57E-03	2.87E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	7.29E-04	1.41E-03	6.63E-04	7.11E-04	1.37E-03	6.54E-04	7.02E-04	1.36E-03
1437 494461.06, 3858451.99	0.01668	0.01796	2.53E-03	2.84E-03	2.39E-03	2.45E-03	2.31E-03	6.71E-04	7.23E-04	1.39E-03	6.55E-04	7.05E-04	1.36E-03	6.46E-04	6.96E-04	1.34E-03
1438 494511.06, 3858451.99	0.01666	0.01787	2.53E-03	2.83E-03	2.39E-03	2.44E-03	2.30E-03	6.70E-04	7.19E-04	1.39E-03	6.54E-04	7.02E-04	1.36E-03	6.46E-04	6.92E-04	1.34E-03
1439 494561.06, 3858451.99	0.01658	0.01768	2.52E-03	2.80E-03	2.37E-03	2.43E-03	2.29E-03	6.67E-04	7.11E-04	1.38E-03	6.51E-04	6.94E-04	1.35E-03	6.42E-04	6.85E-04	1.33E-03
1440 494611.06, 3858451.99	0.01645	0.01756	2.50E-03	2.78E-03	2.35E-03	2.41E-03	2.28E-03	6.62E-04	7.07E-04	1.37E-03	6.46E-04	6.90E-04	1.34E-03	6.37E-04	6.80E-04	1.32E-03
1441 494661.06, 3858451.99	0.01635	0.01741	2.48E-03	2.76E-03	2.34E-03	2.40E-03	2.26E-03	6.58E-04	7.01E-04	1.36E-03	6.42E-04	6.84E-04	1.33E-03	6.34E-04	6.75E-04	1.31E-03
1442 494711.06, 3858451.99	0.01626	0.01715	2.47E-03	2.72E-03	2.33E-03	2.38E-03	2.25E-03	6.54E-04	6.90E-04	1.34E-03	6.39E-04	6.73E-04	1.31E-03	6.30E-04	6.65E-04	1.29E-03
1443 494761.06, 3858451.99	0.01617	0.01681	2.46E-03	2.66E-03	2.31E-03	2.37E-03	2.24E-03	6.51E-04	6.76E-04	1.33E-03	6.35E-04	6.60E-04	1.30E-03	6.27E-04	6.51E-04	1.28E-03
1444 494811.06, 3858451.99	0.01609	0.01655	2.44E-03	2.62E-03	2.30E-03	2.36E-03	2.23E-03	6.48E-04	6.66E-04	1.31E-03	6.32E-04	6.50E-04	1.28E-03	6.23E-04	6.41E-04	1.26E-03
1445 494861.06, 3858451.99	0.016	0.01626	2.43E-03	2.57E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.54E-04	1.30E-03	6.28E-04	6.39E-04	1.27E-03	6.20E-04	6.30E-04	1.25E-03
1446 494911.06, 3858451.99	0.01586	0.0161	2.41E-03	2.55E-03	2.27E-03	2.33E-03	2.19E-03	6.38E-04	6.48E-04	1.29E-03	6.23E-04	6.32E-04	1.26E-03	6.15E-04	6.24E-04	1.24E-03
1447 494961.06, 3858451.99	0.01578	0.01606	2.40E-03	2.54E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	6.46E-04	1.28E-03	6.20E-04	6.31E-04	1.25E-03	6.11E-04	6.22E-04	1.23E-03
1448 495011.06, 3858451.99	0.01571	0.01594	2.39E-03	2.52E-03	2.25E-03	2.30E-03	2.17E-03	6.32E-04	6.41E-04	1.27E-03	6.17E-04	6.26E-04	1.24E-03	6.09E-04	6.18E-04	1.23E-03

1449 495061.06, 3858451.99	0.01565	0.01591	2.38E-03	2.52E-03	2.24E-03	2.29E-03	2.16E-03	6.30E-04	6.40E-04	1.27E-03	6.15E-04	6.25E-04	1.24E-03	6.06E-04	6.16E-04	1.22E-03
1450 495111.06, 3858451.99	0.01554	0.0158	2.36E-03	2.50E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	6.36E-04	1.26E-03	6.10E-04	6.20E-04	1.23E-03	6.02E-04	6.12E-04	1.21E-03
1451 495161.06, 3858451.99	0.01538	0.01553	2.34E-03	2.46E-03	2.20E-03	2.26E-03	2.13E-03	6.19E-04	6.25E-04	1.24E-03	6.04E-04	6.10E-04	1.21E-03	5.96E-04	6.02E-04	1.20E-03
1452 495211.06, 3858451.99	0.01511	0.01529	2.30E-03	2.42E-03	2.16E-03	2.22E-03	2.09E-03	6.08E-04	6.15E-04	1.22E-03	5.93E-04	6.00E-04	1.19E-03	5.85E-04	5.92E-04	1.18E-03
1453 495261.06, 3858451.99	0.01504	0.01511	2.29E-03	2.39E-03	2.15E-03	2.21E-03	2.08E-03	6.05E-04	6.08E-04	1.21E-03	5.91E-04	5.93E-04	1.18E-03	5.83E-04	5.85E-04	1.17E-03
1454 495311.06, 3858451.99	0.01498	0.01505	2.28E-03	2.38E-03	2.14E-03	2.20E-03	2.07E-03	6.03E-04	6.06E-04	1.21E-03	5.88E-04	5.91E-04	1.18E-03	5.80E-04	5.83E-04	1.16E-03
1455 495361.06, 3858451.99	0.01493	0.015	2.27E-03	2.37E-03	2.14E-03	2.19E-03	2.06E-03	6.01E-04	6.04E-04	1.20E-03	5.86E-04	5.89E-04	1.18E-03	5.79E-04	5.81E-04	1.16E-03
1456 495411.06, 3858451.99	0.0149	0.01496	2.26E-03	2.37E-03	2.13E-03	2.18E-03	2.06E-03	6.00E-04	6.02E-04	1.20E-03	5.85E-04	5.87E-04	1.17E-03	5.77E-04	5.80E-04	1.16E-03
1457 495461.06, 3858451.99	0.01487	0.01495	2.26E-03	2.37E-03	2.13E-03	2.18E-03	2.06E-03	5.98E-04	6.02E-04	1.20E-03	5.84E-04	5.87E-04	1.17E-03	5.76E-04	5.79E-04	1.16E-03
1458 495511.06, 3858451.99	0.01479	0.01485	2.25E-03	2.35E-03	2.12E-03	2.17E-03	2.05E-03	5.95E-04	5.98E-04	1.19E-03	5.81E-04	5.83E-04	1.16E-03	5.73E-04	5.75E-04	1.15E-03
1459 495561.06, 3858451.99	0.01476	0.01495	2.24E-03	2.37E-03	2.11E-03	2.16E-03	2.04E-03	5.94E-04	6.02E-04	1.20E-03	5.80E-04	5.87E-04	1.17E-03	5.72E-04	5.79E-04	1.15E-03
1460 495611.06, 3858451.99	0.01467	0.01478	2.23E-03	2.34E-03	2.10E-03	2.15E-03	2.03E-03	5.90E-04	5.95E-04	1.19E-03	5.76E-04	5.80E-04	1.16E-03	5.68E-04	5.73E-04	1.14E-03
1461 495661.06, 3858451.99	0.01464	0.01475	2.22E-03	2.34E-03	2.10E-03	2.15E-03	2.02E-03	5.89E-04	5.94E-04	1.18E-03	5.75E-04	5.79E-04	1.15E-03	5.67E-04	5.72E-04	1.14E-03
1462 494311.06, 3858501.99	0.01754	0.01902	2.67E-03	3.01E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	7.65E-04	1.47E-03	6.89E-04	7.47E-04	1.44E-03	6.80E-04	7.37E-04	1.42E-03
1463 494361.06, 3858501.99	0.0175	0.01881	2.66E-03	2.98E-03	2.51E-03	2.57E-03	2.42E-03	7.04E-04	7.57E-04	1.46E-03	6.87E-04	7.39E-04	1.43E-03	6.78E-04	7.29E-04	1.41E-03
1464 494411.06, 3858501.99	0.01737	0.01853	2.64E-03	2.93E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.46E-04	1.44E-03	6.82E-04	7.28E-04	1.41E-03	6.73E-04	7.18E-04	1.39E-03
1465 494461.06, 3858501.99	0.01733	0.01844	2.63E-03	2.92E-03	2.48E-03	2.54E-03	2.40E-03	6.97E-04	7.42E-04	1.44E-03	6.81E-04	7.24E-04	1.40E-03	6.72E-04	7.15E-04	1.39E-03
1466 494511.06, 3858501.99	0.01702	0.01826	2.59E-03	2.89E-03	2.44E-03	2.50E-03	2.35E-03	6.85E-04	7.35E-04	1.42E-03	6.68E-04	7.17E-04	1.39E-03	6.59E-04	7.08E-04	1.37E-03
1467 494561.06, 3858501.99	0.01692	0.0184	2.57E-03	2.91E-03	2.42E-03	2.48E-03	2.34E-03	6.81E-04	7.40E-04	1.42E-03	6.64E-04	7.23E-04	1.39E-03	6.56E-04	7.13E-04	1.37E-03
1468 494611.06, 3858501.99	0.01678	0.0182	2.55E-03	2.88E-03	2.40E-03	2.46E-03	2.32E-03	6.75E-04	7.32E-04	1.41E-03	6.59E-04	7.15E-04	1.37E-03	6.50E-04	7.05E-04	1.36E-03
1469 494661.06, 3858501.99	0.01671	0.01814	2.54E-03	2.87E-03	2.39E-03	2.45E-03	2.31E-03	6.72E-04	7.30E-04	1.40E-03	6.56E-04	7.12E-04	1.37E-03	6.47E-04	7.03E-04	1.35E-03
1470 494711.06, 3858501.99	0.01655	0.0179	2.51E-03	2.83E-03	2.37E-03	2.43E-03	2.29E-03	6.66E-04	7.20E-04	1.39E-03	6.50E-04	7.03E-04	1.35E-03	6.41E-04	6.94E-04	1.33E-03
1471 494761.06, 3858501.99	0.01641	0.01756	2.49E-03	2.78E-03	2.35E-03	2.41E-03	2.27E-03	6.60E-04	7.07E-04	1.37E-03	6.44E-04	6.90E-04	1.33E-03	6.36E-04	6.80E-04	1.32E-03
1472 494811.06, 3858501.99	0.01632	0.01729	2.48E-03	2.74E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	6.96E-04	1.35E-03	6.41E-04	6.79E-04	1.32E-03	6.32E-04	6.70E-04	1.30E-03
1473 494861.06, 3858501.99	0.01626	0.0171	2.47E-03	2.71E-03	2.33E-03	2.38E-03	2.25E-03	6.54E-04	6.88E-04	1.34E-03	6.39E-04	6.72E-04	1.31E-03	6.30E-04	6.63E-04	1.29E-03
1474 494911.06, 3858501.99	0.01613	0.01651	2.45E-03	2.61E-03	2.31E-03	2.37E-03	2.23E-03	6.49E-04	6.64E-04	1.31E-03	6.33E-04	6.48E-04	1.28E-03	6.25E-04	6.40E-04	1.26E-03
1475 494961.06, 3858501.99	0.01602	0.01637	2.43E-03	2.59E-03	2.29E-03	2.35E-03	2.22E-03	6.45E-04	6.59E-04	1.30E-03	6.29E-04	6.43E-04	1.27E-03	6.21E-04	6.34E-04	1.26E-03
1476 495011.06, 3858501.99	0.0159	0.0162	2.42E-03	2.56E-03	2.28E-03	2.33E-03	2.20E-03	6.40E-04	6.52E-04	1.29E-03	6.24E-04	6.36E-04	1.26E-03	6.16E-04	6.28E-04	1.24E-03
1477 495061.06, 3858501.99	0.01587	0.0162	2.41E-03	2.56E-03	2.27E-03	2.33E-03	2.19E-03	6.39E-04	6.52E-04	1.29E-03	6.23E-04	6.36E-04	1.26E-03	6.15E-04	6.28E-04	1.24E-03
1478 495111.06, 3858501.99	0.01575	0.01597	2.39E-03	2.53E-03	2.25E-03	2.31E-03	2.18E-03	6.34E-04	6.43E-04	1.28E-03	6.18E-04	6.27E-04	1.25E-03	6.10E-04	6.19E-04	1.23E-03
1479 495161.06, 3858501.99	0.01561	0.01582	2.37E-03	2.50E-03	2.23E-03	2.29E-03	2.16E-03	6.28E-04	6.37E-04	1.26E-03	6.13E-04	6.21E-04	1.23E-03	6.05E-04	6.13E-04	1.22E-03
1480 495211.06, 3858501.99	0.01552	0.01571	2.36E-03	2.49E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	6.32E-04	1.26E-03	6.09E-04	6.17E-04	1.23E-03	6.01E-04	6.09E-04	1.21E-03
1481 495261.06, 3858501.99	0.01542	0.01559	2.34E-03	2.47E-03	2.21E-03	2.26E-03	2.13E-03	6.21E-04	6.27E-04	1.25E-03	6.06E-04	6.12E-04	1.22E-03	5.98E-04	6.04E-04	1.20E-03
1482 495311.06, 3858501.99	0.01537	0.01555	2.34E-03	2.46E-03	2.20E-03	2.25E-03	2.13E-03	6.19E-04	6.26E-04	1.24E-03	6.04E-04	6.11E-04	1.21E-03	5.96E-04	6.03E-04	1.20E-03
1483 495361.06, 3858501.99	0.01527	0.01545	2.32E-03	2.45E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	6.22E-04	1.24E-03	6.00E-04	6.07E-04	1.21E-03	5.92E-04	5.99E-04	1.19E-03
1484 495411.06, 3858501.99	0.01524	0.01539	2.32E-03	2.44E-03	2.18E-03	2.23E-03	2.11E-03	6.13E-04	6.19E-04	1.23E-03	5.98E-04	6.04E-04	1.20E-03	5.91E-04	5.96E-04	1.19E-03
1485 495461.06, 3858501.99	0.01518	0.01539	2.31E-03	2.44E-03	2.17E-03	2.23E-03	2.10E-03	6.11E-04	6.19E-04	1.23E-03	5.96E-04	6.04E-04	1.20E-03	5.88E-04	5.96E-04	1.18E-03
1486 495511.06, 3858501.99	0.01506	0.01531	2.29E-03	2.42E-03	2.16E-03	2.21E-03	2.08E-03	6.06E-04	6.16E-04	1.22E-03	5.91E-04	6.01E-04	1.19E-03	5.84E-04	5.93E-04	1.18E-03
1487 495561.06, 3858501.99	0.01512	0.0154	2.30E-03	2.44E-03	2.16E-03	2.22E-03	2.09E-03	6.08E-04	6.20E-04	1.23E-03	5.94E-04	6.05E-04	1.20E-03	5.86E-04	5.97E-04	1.18E-03
1488 495611.06, 3858501.99	0.01507	0.01528	2.29E-03	2.42E-03	2.16E-03	2.21E-03	2.08E-03	6.06E-04	6.15E-04	1.22E-03	5.92E-04	6.00E-04	1.19E-03	5.84E-04	5.92E-04	1.18E-03
1489 495661.06, 3858501.99	0.01492	0.01523	2.27E-03	2.41E-03	2.14E-03	2.19E-03	2.06E-03	6.00E-04	6.13E-04	1.21E-03	5.86E-04	5.98E-04	1.18E-03	5.78E-04	5.90E-04	1.17E-03
1490 494311.06, 3858551.99	0.01748	0.0189	2.66E-03	2.99E-03	2.50E-03	2.56E-03	2.42E-03	7.03E-04	7.61E-04	1.46E-03	6.86E-04	7.42E-04	1.43E-03	6.77E-04	7.32E-04	1.41E-03
1491 494361.06, 3858551.99	0.01759	0.01909	2.67E-03	3.02E-03	2.52E-03	2.58E-03	2.43E-03	7.08E-04	7.68E-04	1.48E-03	6.91E-04	7.50E-04	1.44E-03	6.82E-04	7.40E-04	1.42E-03
1492 494411.06, 3858551.99	0.01784	0.01939	2.71E-03	3.07E-03	2.55E-03	2.62E-03	2.47E-03	7.18E-04	7.80E-04	1.50E-03	7.01E-04	7.61E-04	1.46E-03	6.91E-04	7.51E-04	1.44E-03
1493 494461.06, 3858551.99	0.01792	0.01933	2.72E-03	3.06E-03	2.57E-03	2.63E-03	2.48E-03	7.21E-04	7.78E-04	1.50E-03	7.04E-04	7.59E-04	1.46E-03	6.94E-04	7.49E-04	1.44E-03
1494 494511.06, 3858551.99	0.01786	0.01913	2.71E-03	3.03E-03	2.56E-03	2.62E-03	2.47E-03	7.19E-04	7.70E-04	1.49E-03	7.01E-04	7.51E-04	1.45E-03	6.92E-04	7.41E-04	1.43E-03
1495 494561.06, 3858551.99	0.01774	0.01893	2.70E-03	3.00E-03	2.54E-03	2.60E-03	2.45E-03	7.14E-04	7.62E-04	1.48E-03	6.97E-04	7.43E-04	1.44E-03	6.87E-04	7.34E-04	1.42E-03
1496 494611.06, 3858551.99	0.01758	0.01881	2.67E-03	2.98E-03	2.52E-03	2.58E-03	2.43E-03	7.07E-04	7.57E-04	1.46E-03	6.90E-04	7.39E-04	1.43E-03	6.81E-04	7.29E-04	1.41E-03
1497 494661.06, 3858551.99	0.01747	0.01871	2.65E-03	2.96E-03	2.50E-03	2.56E-03	2.42E-03	7.03E-04	7.53E-04	1.46E-03	6.86E-04	7.35E-04	1.42E-03	6.77E-04	7.25E-04	1.40E-03
1498 494711.06, 3858551.99	0.01729	0.0185	2.63E-03	2.93E-03	2.48E-03	2.54E-03	2.39E-03	6.96E-04	7.44E-04	1.44E-03	6.79E-04	7.26E-04	1.41E-03	6.70E-04	7.17E-04	1.39E-03
1499 494761.06, 3858551.99	0.01684	0.01825	2.56E-03	2.89E-03	2.41E-03	2.47E-03	2.33E-03	6.78E-04	7.34E-04	1.41E-03	6.61E-04	7.17E-04	1.38E-03	6.53E-04	7.07E-04	1.36E-03
1500 494811.06, 3858551.99	0.01671	0.01808	2.54E-03	2.86E-03	2.39E-03	2.45E-03	2.31E-03	6.72E-04	7.28E-04	1.40E-03	6.56E-04	7.10E-04	1.37E-03	6.47E-04	7.01E-04	1.35E-03
1501 494861.06, 3858551.99	0.01654	0.0178	2.51E-03	2.82E-03	2.37E-03	2.43E-03	2.29E-03	6.66E-04	7.16E-04	1.38E-03	6.50E-04	6.99E-04	1.35E-03	6.41E-04	6.90E-04	1.33E-03
1502 494911.06, 3858551.99	0.0164	0.01747	2.49E-03	2.77E-03	2.35E-03	2.40E-03	2.27E-03	6.60E-04	7.03E-04	1.36E-03	6.44E-04	6.86E-04	1.33E-03	6.35E-04	6.77E-04	1.31E-03
1503 494961.06, 3858551.99	0.0163	0.01714	2.48E-03	2.71E-03	2.33E-03	2.39E-03	2.25E-03	6.56E-04	6.90E-04	1.35E-03	6.40E-04	6.73E-04	1.31E-03	6.32E-04	6.64E-04	1.30E-03
1504 495011.06, 3858551.99	0.01618	0.01663	2.46E-03	2.63E-03	2.32E-03	2.37E-03	2.24E-03	6.51E-04	6.69E-04	1.32E-03	6.35E-04	6.53E-04	1.29E-03	6.27E-04	6.44E-04	1.27E-03
1505 495061.06, 3858551.99	0.01603	0.01648	2.44E-03	2.61E-03	2.29E-03	2.35E-03	2.22E-03	6.45E-04	6.63E-04	1.31E-03	6.29E-04	6.47E-04	1.28E-03	6.21E-04	6.39E-04	1.26E-03
1506 495111.06, 3858551.99	0.01586	0.01622	2.41E-03	2.57E-03	2.27E-03	2.33E-03	2.19E-03	6.38E-04	6.53E-04	1.29E-03	6.23E-04	6.37E-04	1.26E-03	6.15E-04	6.29E-04	1.24E-03
1507 495161.06, 3858551.99	0.0158	0.01604	2.40E-03	2.54E-03	2.26E-03	2.32E-03	2.19E-03	6.36E-04	6.46E-04	1.28E-03	6.20E-04	6.30E-04	1.25E-03	6.12E-04	6.22E-04	1.23E-03
1508 495211.06, 3858551.99	0.01573	0.01595	2.39E-03	2.53E-03	2.25E-03	2.31E-03	2.18E-03	6.33E-04	6.42E-04	1.27E-03	6.18E-04	6.26E-04	1.24E-03	6.10E-04	6.18E-04	1.23E-03
1509 495261.06, 3858551.99	0.01567	0.01586	2.38E-03	2.51E-03	2.24E-03	2.30E-03	2.17E-03	6.31E-04	6.38E-04	1.27E-03	6.15E-04	6.23E-04	1.24E-03	6.07E-04	6.15E-04	1.22E-03
1510 495311.06, 3858551.99	0.01562	0.01584	2.37E-03	2.51E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.37E-04	1.27E-03	6.13E-04	6.22E-04	1.24E-03	6.05E-04	6.14E-04	1.22E-03
1511 495361.06, 3858551.99	0.0156	0.01581	2.37E-03	2.50E-03	2.23E-03	2.29E-03	2.16E-03	6.28E-04	6.36E-04	1.26E-03	6.13E-04	6.21E-04	1.23E-03	6.04E-04	6.13E-04	1.22E-03
1512 495411.06, 3858551.99	0.01557	0.01582	2.37E-03	2.50E-03	2.23E-03	2.28E-03	2.15E-03	6.27E-04	6.37E-04	1.26E-03	6.11E-04	6.21E-04	1.23E-03	6.03E-04	6.13E-04	1.22E-03
1513 495461.06, 3858551.99	0.01552	0.01579	2.36E-03	2.50E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	6.35E-04	1.26E-03	6.09E-04	6.20E-04	1.23E-03	6.01E-04	6.12E-04	1.21E-03
1514 495511.06, 3858551.99	0.01547	0.01583	2.35E-03	2.51E-03	2.21E-03	2.27E-03	2.14E-03	6.23E-04	6.37E-04	1.26E-03	6.08E-04	6.22E-04	1.23E-03	5.99E-04	6.13E-04	1.21E-03

1515 495561.06, 3858551.99	0.0154	0.0158	2.34E-03	2.50E-03	2.20E-03	2.26E-03	2.13E-03	6.20E-04	6.36E-04	1.26E-03	6.05E-04	6.20E-04	1.23E-03	5.97E-04	6.12E-04	1.21E-03
1516 495611.06, 3858551.99	0.01532	0.01576	2.33E-03	2.50E-03	2.19E-03	2.25E-03	2.12E-03	6.17E-04	6.34E-04	1.25E-03	6.02E-04	6.19E-04	1.22E-03	5.94E-04	6.11E-04	1.20E-03
1517 495661.06, 3858551.99	0.01526	0.01576	2.32E-03	2.50E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	6.34E-04	1.25E-03	5.99E-04	6.19E-04	1.22E-03	5.91E-04	6.11E-04	1.20E-03
1518 494311.06, 3858601.99	0.01722	0.01833	2.62E-03	2.90E-03	2.47E-03	2.52E-03	2.38E-03	6.93E-04	7.38E-04	1.43E-03	6.76E-04	7.20E-04	1.40E-03	6.67E-04	7.10E-04	1.38E-03
1519 494361.06, 3858601.99	0.01776	0.01917	2.70E-03	3.04E-03	2.54E-03	2.60E-03	2.46E-03	7.15E-04	7.71E-04	1.49E-03	6.97E-04	7.53E-04	1.45E-03	6.88E-04	7.43E-04	1.43E-03
1520 494411.06, 3858601.99	0.01835	0.01991	2.79E-03	3.15E-03	2.63E-03	2.69E-03	2.54E-03	7.38E-04	8.01E-04	1.54E-03	7.21E-04	7.82E-04	1.50E-03	7.11E-04	7.71E-04	1.48E-03
1521 494461.06, 3858601.99	0.01832	0.0198	2.78E-03	3.13E-03	2.62E-03	2.69E-03	2.53E-03	7.37E-04	7.97E-04	1.53E-03	7.19E-04	7.78E-04	1.50E-03	7.10E-04	7.67E-04	1.48E-03
1522 494511.06, 3858601.99	0.01809	0.01969	2.75E-03	3.12E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	7.92E-04	1.52E-03	7.10E-04	7.73E-04	1.48E-03	7.01E-04	7.63E-04	1.46E-03
1523 494561.06, 3858601.99	0.01828	0.01975	2.78E-03	3.13E-03	2.62E-03	2.68E-03	2.53E-03	7.36E-04	7.95E-04	1.53E-03	7.18E-04	7.76E-04	1.49E-03	7.08E-04	7.65E-04	1.47E-03
1524 494611.06, 3858601.99	0.01812	0.01951	2.75E-03	3.09E-03	2.59E-03	2.66E-03	2.51E-03	7.29E-04	7.85E-04	1.51E-03	7.12E-04	7.66E-04	1.48E-03	7.02E-04	7.56E-04	1.46E-03
1525 494661.06, 3858601.99	0.01806	0.01935	2.74E-03	3.06E-03	2.59E-03	2.65E-03	2.50E-03	7.27E-04	7.79E-04	1.51E-03	7.09E-04	7.60E-04	1.47E-03	7.00E-04	7.50E-04	1.45E-03
1526 494711.06, 3858601.99	0.01785	0.01912	2.71E-03	3.03E-03	2.56E-03	2.62E-03	2.47E-03	7.18E-04	7.69E-04	1.49E-03	7.01E-04	7.51E-04	1.45E-03	6.92E-04	7.41E-04	1.43E-03
1527 494761.06, 3858601.99	0.01758	0.01889	2.67E-03	2.99E-03	2.52E-03	2.58E-03	2.43E-03	7.07E-04	7.60E-04	1.47E-03	6.90E-04	7.42E-04	1.43E-03	6.81E-04	7.32E-04	1.41E-03
1528 494811.06, 3858601.99	0.01731	0.01854	2.63E-03	2.94E-03	2.48E-03	2.54E-03	2.39E-03	6.97E-04	7.46E-04	1.44E-03	6.80E-04	7.28E-04	1.41E-03	6.71E-04	7.18E-04	1.39E-03
1529 494861.06, 3858601.99	0.017	0.01835	2.58E-03	2.91E-03	2.43E-03	2.49E-03	2.35E-03	6.84E-04	7.38E-04	1.42E-03	6.68E-04	7.21E-04	1.39E-03	6.59E-04	7.11E-04	1.37E-03
1530 494911.06, 3858601.99	0.01672	0.01796	2.54E-03	2.84E-03	2.39E-03	2.45E-03	2.31E-03	6.73E-04	7.23E-04	1.40E-03	6.57E-04	7.05E-04	1.36E-03	6.48E-04	6.96E-04	1.34E-03
1531 494961.06, 3858601.99	0.01659	0.01776	2.52E-03	2.81E-03	2.38E-03	2.43E-03	2.29E-03	6.68E-04	7.15E-04	1.38E-03	6.51E-04	6.97E-04	1.35E-03	6.43E-04	6.88E-04	1.33E-03
1532 495011.06, 3858601.99	0.01645	0.01755	2.50E-03	2.78E-03	2.35E-03	2.41E-03	2.28E-03	6.62E-04	7.06E-04	1.37E-03	6.46E-04	6.89E-04	1.34E-03	6.37E-04	6.80E-04	1.32E-03
1533 495061.06, 3858601.99	0.01633	0.01707	2.48E-03	2.70E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	6.87E-04	1.34E-03	6.41E-04	6.70E-04	1.31E-03	6.33E-04	6.61E-04	1.29E-03
1534 495111.06, 3858601.99	0.01606	0.01666	2.44E-03	2.64E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	6.70E-04	1.32E-03	6.31E-04	6.54E-04	1.28E-03	6.22E-04	6.46E-04	1.27E-03
1535 495161.06, 3858601.99	0.01596	0.01648	2.43E-03	2.61E-03	2.28E-03	2.34E-03	2.21E-03	6.42E-04	6.63E-04	1.31E-03	6.27E-04	6.47E-04	1.27E-03	6.18E-04	6.39E-04	1.26E-03
1536 495211.06, 3858601.99	0.01584	0.01635	2.41E-03	2.59E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	6.58E-04	1.30E-03	6.22E-04	6.42E-04	1.26E-03	6.14E-04	6.34E-04	1.25E-03
1537 495261.06, 3858601.99	0.01586	0.0162	2.41E-03	2.56E-03	2.27E-03	2.33E-03	2.19E-03	6.38E-04	6.52E-04	1.29E-03	6.23E-04	6.36E-04	1.26E-03	6.15E-04	6.28E-04	1.24E-03
1538 495311.06, 3858601.99	0.01583	0.01619	2.41E-03	2.56E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	6.52E-04	1.29E-03	6.22E-04	6.36E-04	1.26E-03	6.13E-04	6.27E-04	1.24E-03
1539 495361.06, 3858601.99	0.0158	0.01623	2.40E-03	2.57E-03	2.26E-03	2.32E-03	2.19E-03	6.36E-04	6.53E-04	1.29E-03	6.20E-04	6.37E-04	1.26E-03	6.12E-04	6.29E-04	1.24E-03
1540 495411.06, 3858601.99	0.01576	0.01615	2.39E-03	2.56E-03	2.26E-03	2.31E-03	2.18E-03	6.34E-04	6.50E-04	1.28E-03	6.19E-04	6.34E-04	1.25E-03	6.11E-04	6.26E-04	1.24E-03
1541 495461.06, 3858601.99	0.01574	0.01614	2.39E-03	2.56E-03	2.25E-03	2.31E-03	2.18E-03	6.33E-04	6.50E-04	1.28E-03	6.18E-04	6.34E-04	1.25E-03	6.10E-04	6.25E-04	1.24E-03
1542 495511.06, 3858601.99	0.01565	0.01608	2.38E-03	2.55E-03	2.24E-03	2.29E-03	2.16E-03	6.30E-04	6.47E-04	1.28E-03	6.15E-04	6.31E-04	1.25E-03	6.06E-04	6.23E-04	1.23E-03
1543 495561.06, 3858601.99	0.01561	0.01603	2.37E-03	2.54E-03	2.23E-03	2.29E-03	2.16E-03	6.28E-04	6.45E-04	1.27E-03	6.13E-04	6.29E-04	1.24E-03	6.05E-04	6.21E-04	1.23E-03
1544 495611.06, 3858601.99	0.01555	0.01602	2.36E-03	2.54E-03	2.23E-03	2.28E-03	2.15E-03	6.26E-04	6.45E-04	1.27E-03	6.11E-04	6.29E-04	1.24E-03	6.03E-04	6.21E-04	1.22E-03
1545 495661.06, 3858601.99	0.01556	0.01602	2.36E-03	2.54E-03	2.23E-03	2.28E-03	2.15E-03	6.26E-04	6.45E-04	1.27E-03	6.11E-04	6.29E-04	1.24E-03	6.03E-04	6.21E-04	1.22E-03
1546 494311.06, 3858651.99	0.01742	0.0185	2.65E-03	2.93E-03	2.49E-03	2.55E-03	2.41E-03	7.01E-04	7.44E-04	1.45E-03	6.84E-04	7.26E-04	1.41E-03	6.75E-04	7.17E-04	1.39E-03
1547 494361.06, 3858651.99	0.01792	0.01915	2.72E-03	3.03E-03	2.57E-03	2.63E-03	2.48E-03	7.21E-04	7.71E-04	1.49E-03	7.04E-04	7.52E-04	1.46E-03	6.94E-04	7.42E-04	1.44E-03
1548 494411.06, 3858651.99	0.01877	0.02032	2.85E-03	3.22E-03	2.69E-03	2.75E-03	2.60E-03	7.55E-04	8.18E-04	1.57E-03	7.37E-04	7.98E-04	1.54E-03	7.27E-04	7.87E-04	1.51E-03
1549 494461.06, 3858651.99	0.019	0.02055	2.89E-03	3.25E-03	2.72E-03	2.79E-03	2.63E-03	7.65E-04	8.27E-04	1.59E-03	7.46E-04	8.07E-04	1.55E-03	7.36E-04	7.96E-04	1.53E-03
1550 494511.06, 3858651.99	0.01888	0.02056	2.87E-03	3.26E-03	2.70E-03	2.77E-03	2.61E-03	7.60E-04	8.27E-04	1.59E-03	7.41E-04	8.07E-04	1.55E-03	7.32E-04	7.97E-04	1.53E-03
1551 494561.06, 3858651.99	0.01881	0.02043	2.86E-03	3.23E-03	2.69E-03	2.76E-03	2.60E-03	7.57E-04	8.22E-04	1.58E-03	7.39E-04	8.02E-04	1.54E-03	7.29E-04	7.92E-04	1.52E-03
1552 494611.06, 3858651.99	0.01868	0.02019	2.84E-03	3.20E-03	2.67E-03	2.74E-03	2.58E-03	7.52E-04	8.13E-04	1.56E-03	7.34E-04	7.93E-04	1.53E-03	7.24E-04	7.82E-04	1.51E-03
1553 494661.06, 3858651.99	0.01852	0.01993	2.81E-03	3.16E-03	2.65E-03	2.72E-03	2.56E-03	7.45E-04	8.02E-04	1.55E-03	7.27E-04	7.83E-04	1.51E-03	7.18E-04	7.72E-04	1.49E-03
1554 494711.06, 3858651.99	0.01821	0.01965	2.77E-03	3.11E-03	2.61E-03	2.67E-03	2.52E-03	7.33E-04	7.91E-04	1.52E-03	7.15E-04	7.72E-04	1.49E-03	7.06E-04	7.61E-04	1.47E-03
1555 494761.06, 3858651.99	0.01813	0.01952	2.75E-03	3.09E-03	2.60E-03	2.66E-03	2.51E-03	7.30E-04	7.86E-04	1.52E-03	7.12E-04	7.67E-04	1.48E-03	7.03E-04	7.56E-04	1.46E-03
1556 494811.06, 3858651.99	0.01784	0.0192	2.71E-03	3.04E-03	2.55E-03	2.62E-03	2.47E-03	7.18E-04	7.73E-04	1.49E-03	7.01E-04	7.54E-04	1.45E-03	6.91E-04	7.44E-04	1.44E-03
1557 494861.06, 3858651.99	0.01755	0.01895	2.67E-03	3.00E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	7.63E-04	1.47E-03	6.89E-04	7.44E-04	1.43E-03	6.80E-04	7.34E-04	1.41E-03
1558 494911.06, 3858651.99	0.01735	0.01854	2.64E-03	2.94E-03	2.48E-03	2.54E-03	2.40E-03	6.98E-04	7.46E-04	1.44E-03	6.81E-04	7.28E-04	1.41E-03	6.72E-04	7.18E-04	1.39E-03
1559 494961.06, 3858651.99	0.01693	0.01822	2.57E-03	2.88E-03	2.42E-03	2.48E-03	2.34E-03	6.81E-04	7.33E-04	1.41E-03	6.65E-04	7.15E-04	1.38E-03	6.56E-04	7.06E-04	1.36E-03
1560 495011.06, 3858651.99	0.01678	0.01793	2.55E-03	2.84E-03	2.40E-03	2.46E-03	2.32E-03	6.75E-04	7.22E-04	1.40E-03	6.59E-04	7.04E-04	1.36E-03	6.50E-04	6.95E-04	1.34E-03
1561 495061.06, 3858651.99	0.01663	0.01765	2.53E-03	2.79E-03	2.38E-03	2.44E-03	2.30E-03	6.69E-04	7.10E-04	1.38E-03	6.53E-04	6.93E-04	1.35E-03	6.44E-04	6.84E-04	1.33E-03
1562 495111.06, 3858651.99	0.01645	0.01746	2.50E-03	2.76E-03	2.35E-03	2.41E-03	2.28E-03	6.62E-04	7.03E-04	1.36E-03	6.46E-04	6.86E-04	1.33E-03	6.37E-04	6.77E-04	1.31E-03
1563 495161.06, 3858651.99	0.01634	0.01711	2.48E-03	2.71E-03	2.34E-03	2.40E-03	2.26E-03	6.58E-04	6.89E-04	1.35E-03	6.42E-04	6.72E-04	1.31E-03	6.33E-04	6.63E-04	1.30E-03
1564 495211.06, 3858651.99	0.0161	0.01687	2.45E-03	2.67E-03	2.30E-03	2.36E-03	2.23E-03	6.48E-04	6.79E-04	1.33E-03	6.32E-04	6.62E-04	1.29E-03	6.24E-04	6.54E-04	1.28E-03
1565 495261.06, 3858651.99	0.01608	0.01672	2.44E-03	2.65E-03	2.30E-03	2.36E-03	2.22E-03	6.47E-04	6.73E-04	1.32E-03	6.31E-04	6.57E-04	1.29E-03	6.23E-04	6.48E-04	1.27E-03
1566 495311.06, 3858651.99	0.01604	0.01656	2.44E-03	2.62E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	6.66E-04	1.31E-03	6.30E-04	6.50E-04	1.28E-03	6.22E-04	6.42E-04	1.26E-03
1567 495361.06, 3858651.99	0.01601	0.01646	2.43E-03	2.61E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.62E-04	1.31E-03	6.29E-04	6.46E-04	1.28E-03	6.20E-04	6.38E-04	1.26E-03
1568 495411.06, 3858651.99	0.01601	0.01646	2.43E-03	2.61E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.62E-04	1.31E-03	6.29E-04	6.46E-04	1.28E-03	6.20E-04	6.38E-04	1.26E-03
1569 495461.06, 3858651.99	0.016	0.01656	2.43E-03	2.62E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.66E-04	1.31E-03	6.28E-04	6.50E-04	1.28E-03	6.20E-04	6.42E-04	1.26E-03
1570 495511.06, 3858651.99	0.01593	0.01641	2.42E-03	2.60E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	6.60E-04	1.30E-03	6.26E-04	6.44E-04	1.27E-03	6.17E-04	6.36E-04	1.25E-03
1571 495561.06, 3858651.99	0.01589	0.0163	2.41E-03	2.58E-03	2.27E-03	2.33E-03	2.20E-03	6.39E-04	6.56E-04	1.30E-03	6.24E-04	6.40E-04	1.26E-03	6.16E-04	6.32E-04	1.25E-03
1572 495611.06, 3858651.99	0.01581	0.01621	2.40E-03	2.57E-03	2.26E-03	2.32E-03	2.19E-03	6.36E-04	6.52E-04	1.29E-03	6.21E-04	6.37E-04	1.26E-03	6.13E-04	6.28E-04	1.24E-03
1573 495661.06, 3858651.99	0.01579	0.01614	2.40E-03	2.56E-03	2.26E-03	2.32E-03	2.18E-03	6.35E-04	6.50E-04	1.28E-03	6.20E-04	6.34E-04	1.25E-03	6.12E-04	6.25E-04	1.24E-03
1574 494311.06, 3858701.99	0.01792	0.01897	2.72E-03	3.00E-03	2.57E-03	2.63E-03	2.48E-03	7.21E-04	7.63E-04	1.48E-03	7.04E-04	7.45E-04	1.45E-03	6.94E-04	7.35E-04	1.43E-03
1575 494361.06, 3858701.99	0.01873	0.0202	2.85E-03	3.20E-03	2.68E-03	2.75E-03	2.59E-03	7.54E-04	8.13E-04	1.57E-03	7.36E-04	7.93E-04	1.53E-03	7.26E-04	7.83E-04	1.51E-03
1576 494411.06, 3858701.99	0.01938	0.02106	2.94E-03	3.33E-03	2.77E-03	2.84E-03	2.68E-03	7.80E-04	8.48E-04	1.63E-03	7.61E-04	8.27E-04	1.59E-03	7.51E-04	8.16E-04	1.57E-03
1577 494461.06, 3858701.99	0.01938	0.02105	2.94E-03	3.33E-03	2.77E-03	2.84E-03	2.68E-03	7.80E-04	8.47E-04	1.63E-03	7.61E-04	8.27E-04	1.59E-03	7.51E-04	8.16E-04	1.57E-03
1578 494511.06, 3858701.99	0.01958	0.02101	2.98E-03	3.33E-03	2.80E-03	2.87E-03	2.71E-03	7.88E-04	8.46E-04	1.63E-03	7.69E-04	8.25E-04	1.59E-03	7.59E-04	8.14E-04	1.57E-03
1579 494561.06, 3858701.99	0.01943	0.02098	2.95E-03	3.32E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	8.44E-04	1.63E-03	7.63E-04	8.24E-04	1.59E-03	7.53E-04	8.13E-04	1.57E-03
1580 494611.06, 3858701.99	0.01907	0.02071	2.90E-03	3.28E-03	2.73E-03	2.80E-03	2.64E-03	7.67E-04	8.33E-04	1.60E-03	7.49E-04	8.13E-04	1.56E-03	7.39E-04	8.02E-04	1.54E-03

1581 494661.06, 3858701.99	0.01899	0.02071	2.89E-03	3.28E-03	2.72E-03	2.78E-03	2.63E-03	7.64E-04	8.33E-04	1.60E-03	7.46E-04	8.13E-04	1.56E-03	7.36E-04	8.02E-04	1.54E-03
1582 494711.06, 3858701.99	0.01841	0.01986	2.80E-03	3.14E-03	2.64E-03	2.70E-03	2.55E-03	7.41E-04	7.99E-04	1.54E-03	7.23E-04	7.80E-04	1.50E-03	7.13E-04	7.70E-04	1.48E-03
1583 494761.06, 3858701.99	0.01839	0.01996	2.79E-03	3.16E-03	2.63E-03	2.70E-03	2.54E-03	7.40E-04	8.03E-04	1.54E-03	7.22E-04	7.84E-04	1.51E-03	7.13E-04	7.73E-04	1.49E-03
1584 494811.06, 3858701.99	0.01814	0.01965	2.76E-03	3.11E-03	2.60E-03	2.66E-03	2.51E-03	7.30E-04	7.91E-04	1.52E-03	7.12E-04	7.72E-04	1.48E-03	7.03E-04	7.61E-04	1.46E-03
1585 494861.06, 3858701.99	0.01799	0.01946	2.73E-03	3.08E-03	2.58E-03	2.64E-03	2.49E-03	7.24E-04	7.83E-04	1.51E-03	7.06E-04	7.64E-04	1.47E-03	6.97E-04	7.54E-04	1.45E-03
1586 494911.06, 3858701.99	0.01778	0.01922	2.70E-03	3.04E-03	2.55E-03	2.61E-03	2.46E-03	7.16E-04	7.73E-04	1.49E-03	6.98E-04	7.55E-04	1.45E-03	6.89E-04	7.45E-04	1.43E-03
1587 494961.06, 3858701.99	0.01746	0.01867	2.65E-03	2.96E-03	2.50E-03	2.56E-03	2.41E-03	7.03E-04	7.51E-04	1.45E-03	6.86E-04	7.33E-04	1.42E-03	6.77E-04	7.23E-04	1.40E-03
1588 495011.06, 3858701.99	0.01709	0.01834	2.60E-03	2.90E-03	2.45E-03	2.51E-03	2.36E-03	6.88E-04	7.38E-04	1.43E-03	6.71E-04	7.20E-04	1.39E-03	6.62E-04	7.11E-04	1.37E-03
1589 495061.06, 3858701.99	0.01699	0.01824	2.58E-03	2.89E-03	2.43E-03	2.49E-03	2.35E-03	6.84E-04	7.34E-04	1.42E-03	6.67E-04	7.16E-04	1.38E-03	6.58E-04	7.07E-04	1.37E-03
1590 495111.06, 3858701.99	0.01673	0.01791	2.54E-03	2.84E-03	2.40E-03	2.45E-03	2.31E-03	6.73E-04	7.21E-04	1.39E-03	6.57E-04	7.03E-04	1.36E-03	6.48E-04	6.94E-04	1.34E-03
1591 495161.06, 3858701.99	0.01666	0.01771	2.53E-03	2.80E-03	2.39E-03	2.44E-03	2.30E-03	6.70E-04	7.13E-04	1.38E-03	6.54E-04	6.95E-04	1.35E-03	6.46E-04	6.86E-04	1.33E-03
1592 495211.06, 3858701.99	0.01656	0.01747	2.52E-03	2.77E-03	2.37E-03	2.43E-03	2.29E-03	6.66E-04	7.03E-04	1.37E-03	6.50E-04	6.86E-04	1.34E-03	6.42E-04	6.77E-04	1.32E-03
1593 495261.06, 3858701.99	0.01654	0.01744	2.51E-03	2.76E-03	2.37E-03	2.43E-03	2.29E-03	6.66E-04	7.02E-04	1.37E-03	6.50E-04	6.85E-04	1.33E-03	6.41E-04	6.76E-04	1.32E-03
1594 495311.06, 3858701.99	0.01652	0.01725	2.51E-03	2.73E-03	2.36E-03	2.42E-03	2.28E-03	6.65E-04	6.94E-04	1.36E-03	6.49E-04	6.77E-04	1.33E-03	6.40E-04	6.68E-04	1.31E-03
1595 495361.06, 3858701.99	0.01647	0.01713	2.50E-03	2.71E-03	2.36E-03	2.41E-03	2.28E-03	6.63E-04	6.89E-04	1.35E-03	6.47E-04	6.73E-04	1.32E-03	6.38E-04	6.64E-04	1.30E-03
1596 495411.06, 3858701.99	0.01644	0.01704	2.50E-03	2.70E-03	2.35E-03	2.41E-03	2.27E-03	6.62E-04	6.86E-04	1.35E-03	6.46E-04	6.69E-04	1.31E-03	6.37E-04	6.60E-04	1.30E-03
1597 495461.06, 3858701.99	0.01639	0.01701	2.49E-03	2.69E-03	2.35E-03	2.40E-03	2.27E-03	6.60E-04	6.85E-04	1.34E-03	6.44E-04	6.68E-04	1.31E-03	6.35E-04	6.59E-04	1.29E-03
1598 495511.06, 3858701.99	0.01633	0.01695	2.48E-03	2.68E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	6.82E-04	1.34E-03	6.41E-04	6.66E-04	1.31E-03	6.33E-04	6.57E-04	1.29E-03
1599 495561.06, 3858701.99	0.01625	0.01685	2.47E-03	2.67E-03	2.33E-03	2.38E-03	2.25E-03	6.54E-04	6.78E-04	1.33E-03	6.38E-04	6.62E-04	1.30E-03	6.30E-04	6.53E-04	1.28E-03
1600 495611.06, 3858701.99	0.0161	0.01655	2.45E-03	2.62E-03	2.30E-03	2.36E-03	2.23E-03	6.48E-04	6.66E-04	1.31E-03	6.32E-04	6.50E-04	1.28E-03	6.24E-04	6.41E-04	1.27E-03
1601 495661.06, 3858701.99	0.01602	0.01645	2.43E-03	2.60E-03	2.29E-03	2.35E-03	2.22E-03	6.45E-04	6.62E-04	1.31E-03	6.29E-04	6.46E-04	1.28E-03	6.21E-04	6.37E-04	1.26E-03
1602 494311.06, 3858751.99	0.01836	0.01995	2.79E-03	3.16E-03	2.63E-03	2.69E-03	2.54E-03	7.39E-04	8.03E-04	1.54E-03	7.21E-04	7.83E-04	1.50E-03	7.11E-04	7.73E-04	1.48E-03
1603 494361.06, 3858751.99	0.01962	0.02136	2.98E-03	3.38E-03	2.81E-03	2.88E-03	2.71E-03	7.90E-04	8.60E-04	1.65E-03	7.70E-04	8.39E-04	1.61E-03	7.60E-04	8.28E-04	1.59E-03
1604 494411.06, 3858751.99	0.02017	0.02186	3.06E-03	3.46E-03	2.89E-03	2.96E-03	2.79E-03	8.12E-04	8.80E-04	1.69E-03	7.92E-04	8.58E-04	1.65E-03	7.82E-04	8.47E-04	1.63E-03
1605 494461.06, 3858751.99	0.02014	0.0218	3.06E-03	3.45E-03	2.88E-03	2.95E-03	2.79E-03	8.10E-04	8.77E-04	1.69E-03	7.91E-04	8.56E-04	1.65E-03	7.80E-04	8.45E-04	1.63E-03
1606 494511.06, 3858751.99	0.02015	0.02178	3.06E-03	3.45E-03	2.88E-03	2.95E-03	2.79E-03	8.11E-04	8.76E-04	1.69E-03	7.91E-04	8.55E-04	1.65E-03	7.81E-04	8.44E-04	1.62E-03
1607 494561.06, 3858751.99	0.01993	0.02148	3.03E-03	3.40E-03	2.85E-03	2.92E-03	2.76E-03	8.02E-04	8.64E-04	1.67E-03	7.83E-04	8.44E-04	1.63E-03	7.72E-04	8.32E-04	1.60E-03
1608 494611.06, 3858751.99	0.01972	0.02122	3.00E-03	3.36E-03	2.82E-03	2.89E-03	2.73E-03	7.94E-04	8.54E-04	1.65E-03	7.74E-04	8.33E-04	1.61E-03	7.64E-04	8.22E-04	1.59E-03
1609 494661.06, 3858751.99	0.01942	0.02104	2.95E-03	3.33E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	8.47E-04	1.63E-03	7.63E-04	8.26E-04	1.59E-03	7.52E-04	8.15E-04	1.57E-03
1610 494711.06, 3858751.99	0.019	0.02062	2.89E-03	3.26E-03	2.72E-03	2.79E-03	2.63E-03	7.65E-04	8.30E-04	1.59E-03	7.46E-04	8.10E-04	1.56E-03	7.36E-04	7.99E-04	1.54E-03
1611 494761.06, 3858751.99	0.01901	0.02066	2.89E-03	3.27E-03	2.72E-03	2.79E-03	2.63E-03	7.65E-04	8.31E-04	1.60E-03	7.47E-04	8.11E-04	1.56E-03	7.37E-04	8.01E-04	1.54E-03
1612 494811.06, 3858751.99	0.01866	0.02029	2.84E-03	3.21E-03	2.67E-03	2.74E-03	2.58E-03	7.51E-04	8.17E-04	1.57E-03	7.33E-04	7.97E-04	1.53E-03	7.23E-04	7.86E-04	1.51E-03
1613 494861.06, 3858751.99	0.01828	0.01993	2.78E-03	3.16E-03	2.62E-03	2.68E-03	2.53E-03	7.36E-04	8.02E-04	1.54E-03	7.18E-04	7.83E-04	1.50E-03	7.08E-04	7.72E-04	1.48E-03
1614 494911.06, 3858751.99	0.01799	0.01959	2.73E-03	3.10E-03	2.58E-03	2.64E-03	2.49E-03	7.24E-04	7.88E-04	1.51E-03	7.06E-04	7.69E-04	1.48E-03	6.97E-04	7.59E-04	1.46E-03
1615 494961.06, 3858751.99	0.01782	0.01927	2.71E-03	3.05E-03	2.55E-03	2.61E-03	2.46E-03	7.17E-04	7.75E-04	1.49E-03	7.00E-04	7.57E-04	1.46E-03	6.90E-04	7.47E-04	1.44E-03
1616 495011.06, 3858751.99	0.01767	0.01905	2.68E-03	3.02E-03	2.53E-03	2.59E-03	2.44E-03	7.11E-04	7.67E-04	1.48E-03	6.94E-04	7.48E-04	1.44E-03	6.85E-04	7.38E-04	1.42E-03
1617 495061.06, 3858751.99	0.01751	0.01871	2.66E-03	2.96E-03	2.51E-03	2.57E-03	2.42E-03	7.05E-04	7.53E-04	1.46E-03	6.88E-04	7.35E-04	1.42E-03	6.78E-04	7.25E-04	1.40E-03
1618 495111.06, 3858751.99	0.01729	0.01839	2.63E-03	2.91E-03	2.48E-03	2.54E-03	2.39E-03	6.96E-04	7.40E-04	1.44E-03	6.79E-04	7.22E-04	1.40E-03	6.70E-04	7.13E-04	1.38E-03
1619 495161.06, 3858751.99	0.01706	0.01823	2.59E-03	2.89E-03	2.44E-03	2.50E-03	2.36E-03	6.87E-04	7.34E-04	1.42E-03	6.70E-04	7.16E-04	1.39E-03	6.61E-04	7.06E-04	1.37E-03
1620 495211.06, 3858751.99	0.01689	0.01796	2.57E-03	2.84E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	7.23E-04	1.40E-03	6.63E-04	7.05E-04	1.37E-03	6.54E-04	6.96E-04	1.35E-03
1621 495261.06, 3858751.99	0.01684	0.01791	2.56E-03	2.84E-03	2.41E-03	2.47E-03	2.33E-03	6.78E-04	7.21E-04	1.40E-03	6.61E-04	7.03E-04	1.36E-03	6.53E-04	6.94E-04	1.35E-03
1622 495311.06, 3858751.99	0.01684	0.01788	2.56E-03	2.83E-03	2.41E-03	2.47E-03	2.33E-03	6.78E-04	7.20E-04	1.40E-03	6.61E-04	7.02E-04	1.36E-03	6.53E-04	6.93E-04	1.35E-03
1623 495361.06, 3858751.99	0.01678	0.01774	2.55E-03	2.81E-03	2.40E-03	2.46E-03	2.32E-03	6.75E-04	7.14E-04	1.39E-03	6.59E-04	6.97E-04	1.36E-03	6.50E-04	6.87E-04	1.34E-03
1624 495411.06, 3858751.99	0.01689	0.0177	2.57E-03	2.80E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	7.12E-04	1.39E-03	6.63E-04	6.95E-04	1.36E-03	6.54E-04	6.86E-04	1.34E-03
1625 495461.06, 3858751.99	0.01684	0.0176	2.56E-03	2.79E-03	2.41E-03	2.47E-03	2.33E-03	6.78E-04	7.08E-04	1.39E-03	6.61E-04	6.91E-04	1.35E-03	6.53E-04	6.82E-04	1.33E-03
1626 495511.06, 3858751.99	0.01665	0.01742	2.53E-03	2.76E-03	2.38E-03	2.44E-03	2.30E-03	6.70E-04	7.01E-04	1.37E-03	6.54E-04	6.84E-04	1.34E-03	6.45E-04	6.75E-04	1.32E-03
1627 495561.06, 3858751.99	0.01657	0.0172	2.52E-03	2.72E-03	2.37E-03	2.43E-03	2.29E-03	6.67E-04	6.92E-04	1.36E-03	6.51E-04	6.75E-04	1.33E-03	6.42E-04	6.66E-04	1.31E-03
1628 495611.06, 3858751.99	0.0165	0.01707	2.51E-03	2.70E-03	2.36E-03	2.42E-03	2.28E-03	6.64E-04	6.87E-04	1.35E-03	6.48E-04	6.70E-04	1.32E-03	6.39E-04	6.61E-04	1.30E-03
1629 495661.06, 3858751.99	0.01643	0.01699	2.50E-03	2.69E-03	2.35E-03	2.41E-03	2.27E-03	6.61E-04	6.84E-04	1.34E-03	6.45E-04	6.67E-04	1.31E-03	6.37E-04	6.58E-04	1.29E-03
1630 494311.06, 3858801.99	0.01934	0.02096	2.94E-03	3.32E-03	2.77E-03	2.84E-03	2.67E-03	7.78E-04	8.43E-04	1.62E-03	7.59E-04	8.23E-04	1.58E-03	7.49E-04	8.12E-04	1.56E-03
1631 494361.06, 3858801.99	0.02086	0.02221	3.17E-03	3.52E-03	2.99E-03	3.06E-03	2.89E-03	8.39E-04	8.94E-04	1.73E-03	8.19E-04	8.72E-04	1.69E-03	8.08E-04	8.61E-04	1.67E-03
1632 494411.06, 3858801.99	0.02068	0.02265	3.14E-03	3.59E-03	2.96E-03	3.03E-03	2.86E-03	8.32E-04	9.12E-04	1.74E-03	8.12E-04	8.89E-04	1.70E-03	8.01E-04	8.78E-04	1.68E-03
1633 494461.06, 3858801.99	0.02058	0.02256	3.13E-03	3.57E-03	2.95E-03	3.02E-03	2.85E-03	8.28E-04	9.08E-04	1.74E-03	8.08E-04	8.86E-04	1.69E-03	7.97E-04	8.74E-04	1.67E-03
1634 494511.06, 3858801.99	0.02074	0.0226	3.15E-03	3.58E-03	2.97E-03	3.04E-03	2.87E-03	8.35E-04	9.09E-04	1.74E-03	8.14E-04	8.87E-04	1.70E-03	8.04E-04	8.76E-04	1.68E-03
1635 494561.06, 3858801.99	0.02065	0.02234	3.14E-03	3.54E-03	2.96E-03	3.03E-03	2.86E-03	8.31E-04	8.99E-04	1.73E-03	8.11E-04	8.77E-04	1.69E-03	8.00E-04	8.66E-04	1.67E-03
1636 494611.06, 3858801.99	0.0205	0.02221	3.12E-03	3.52E-03	2.93E-03	3.01E-03	2.84E-03	8.25E-04	8.94E-04	1.72E-03	8.05E-04	8.72E-04	1.68E-03	7.94E-04	8.61E-04	1.65E-03
1637 494661.06, 3858801.99	0.02027	0.02191	3.08E-03	3.47E-03	2.90E-03	2.97E-03	2.80E-03	8.16E-04	8.82E-04	1.70E-03	7.96E-04	8.60E-04	1.66E-03	7.85E-04	8.49E-04	1.63E-03
1638 494711.06, 3858801.99	0.02	0.02149	3.04E-03	3.40E-03	2.86E-03	2.93E-03	2.77E-03	8.05E-04	8.65E-04	1.67E-03	7.85E-04	8.44E-04	1.63E-03	7.75E-04	8.33E-04	1.61E-03
1639 494761.06, 3858801.99	0.01957	0.02107	2.97E-03	3.34E-03	2.80E-03	2.87E-03	2.71E-03	7.88E-04	8.48E-04	1.64E-03	7.69E-04	8.27E-04	1.60E-03	7.58E-04	8.16E-04	1.57E-03
1640 494811.06, 3858801.99	0.01918	0.0206	2.91E-03	3.26E-03	2.75E-03	2.81E-03	2.65E-03	7.72E-04	8.29E-04	1.60E-03	7.53E-04	8.09E-04	1.56E-03	7.43E-04	7.98E-04	1.54E-03
1641 494861.06, 3858801.99	0.01892	0.02039	2.87E-03	3.23E-03	2.71E-03	2.77E-03	2.62E-03	7.61E-04	8.21E-04	1.58E-03	7.43E-04	8.01E-04	1.54E-03	7.33E-04	7.90E-04	1.52E-03
1642 494911.06, 3858801.99	0.01857	0.02008	2.82E-03	3.18E-03	2.66E-03	2.72E-03	2.57E-03	7.47E-04	8.08E-04	1.56E-03	7.29E-04	7.89E-04	1.52E-03	7.20E-04	7.78E-04	1.50E-03
1643 494961.06, 3858801.99	0.01823	0.01986	2.77E-03	3.14E-03	2.61E-03	2.67E-03	2.52E-03	7.34E-04	7.99E-04	1.53E-03	7.16E-04	7.80E-04	1.50E-03	7.06E-04	7.70E-04	1.48E-03
1644 495011.06, 3858801.99	0.018	0.01959	2.74E-03	3.10E-03	2.58E-03	2.64E-03	2.49E-03	7.24E-04	7.88E-04	1.51E-03	7.07E-04	7.69E-04	1.48E-03	6.97E-04	7.59E-04	1.46E-03
1645 495061.06, 3858801.99	0.01779	0.01937	2.70E-03	3.07E-03	2.55E-03	2.61E-03	2.46E-03	7.16E-04	7.80E-04	1.50E-03	6.99E-04	7.61E-04	1.46E-03	6.89E-04	7.51E-04	1.44E-03
1646 495111.06, 3858801.99	0.01755	0.01893	2.67E-03	3.00E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	7.62E-04	1.47E-03	6.89E-04	7.43E-04	1.43E-03	6.80E-04	7.34E-04	1.41E-03

1647 495161.06, 3858801.99	0.01745	0.01861	2.65E-03	2.95E-03	2.50E-03	2.56E-03	2.41E-03	7.02E-04	7.49E-04	1.45E-03	6.85E-04	7.31E-04	1.42E-03	6.76E-04	7.21E-04	1.40E-03
1648 495211.06, 3858801.99	0.0174	0.01845	2.64E-03	2.92E-03	2.49E-03	2.55E-03	2.41E-03	7.00E-04	7.42E-04	1.44E-03	6.83E-04	7.25E-04	1.41E-03	6.74E-04	7.15E-04	1.39E-03
1649 495261.06, 3858801.99	0.01735	0.01839	2.64E-03	2.91E-03	2.48E-03	2.54E-03	2.40E-03	6.98E-04	7.40E-04	1.44E-03	6.81E-04	7.22E-04	1.40E-03	6.72E-04	7.13E-04	1.38E-03
1650 495311.06, 3858801.99	0.01737	0.01837	2.64E-03	2.91E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.39E-04	1.44E-03	6.82E-04	7.21E-04	1.40E-03	6.73E-04	7.12E-04	1.38E-03
1651 495361.06, 3858801.99	0.01736	0.01832	2.64E-03	2.90E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.37E-04	1.44E-03	6.82E-04	7.19E-04	1.40E-03	6.73E-04	7.10E-04	1.38E-03
1652 495411.06, 3858801.99	0.01739	0.01838	2.64E-03	2.91E-03	2.49E-03	2.55E-03	2.41E-03	7.00E-04	7.40E-04	1.44E-03	6.83E-04	7.22E-04	1.40E-03	6.74E-04	7.12E-04	1.39E-03
1653 495461.06, 3858801.99	0.01732	0.0183	2.63E-03	2.90E-03	2.48E-03	2.54E-03	2.40E-03	6.97E-04	7.36E-04	1.43E-03	6.80E-04	7.19E-04	1.40E-03	6.71E-04	7.09E-04	1.38E-03
1654 495511.06, 3858801.99	0.01723	0.01805	2.62E-03	2.86E-03	2.47E-03	2.53E-03	2.38E-03	6.93E-04	7.26E-04	1.42E-03	6.77E-04	7.09E-04	1.39E-03	6.68E-04	6.99E-04	1.37E-03
1655 495561.06, 3858801.99	0.01715	0.0179	2.61E-03	2.83E-03	2.46E-03	2.51E-03	2.37E-03	6.90E-04	7.20E-04	1.41E-03	6.73E-04	7.03E-04	1.38E-03	6.65E-04	6.94E-04	1.36E-03
1656 495611.06, 3858801.99	0.01703	0.0177	2.59E-03	2.80E-03	2.44E-03	2.50E-03	2.36E-03	6.85E-04	7.12E-04	1.40E-03	6.69E-04	6.95E-04	1.36E-03	6.60E-04	6.86E-04	1.35E-03
1657 495661.06, 3858801.99	0.01697	0.01757	2.58E-03	2.78E-03	2.43E-03	2.49E-03	2.35E-03	6.83E-04	7.07E-04	1.39E-03	6.66E-04	6.90E-04	1.36E-03	6.58E-04	6.81E-04	1.34E-03
1658 494311.06, 3858851.99	0.02133	0.02249	3.24E-03	3.56E-03	3.05E-03	3.13E-03	2.95E-03	8.58E-04	9.05E-04	1.76E-03	8.38E-04	8.83E-04	1.72E-03	8.27E-04	8.71E-04	1.70E-03
1659 494361.06, 3858851.99	0.02193	0.02325	3.33E-03	3.68E-03	3.14E-03	3.22E-03	3.03E-03	8.83E-04	9.36E-04	1.82E-03	8.61E-04	9.13E-04	1.77E-03	8.50E-04	9.01E-04	1.75E-03
1660 494411.06, 3858851.99	0.02185	0.02318	3.32E-03	3.67E-03	3.13E-03	3.20E-03	3.02E-03	8.79E-04	9.33E-04	1.81E-03	8.58E-04	9.10E-04	1.77E-03	8.47E-04	8.98E-04	1.74E-03
1661 494461.06, 3858851.99	0.02161	0.02319	3.28E-03	3.67E-03	3.09E-03	3.17E-03	2.99E-03	8.70E-04	9.33E-04	1.80E-03	8.49E-04	9.11E-04	1.76E-03	8.37E-04	8.99E-04	1.74E-03
1662 494511.06, 3858851.99	0.02145	0.0234	3.26E-03	3.70E-03	3.07E-03	3.15E-03	2.97E-03	8.63E-04	9.42E-04	1.80E-03	8.42E-04	9.19E-04	1.76E-03	8.31E-04	9.07E-04	1.74E-03
1663 494561.06, 3858851.99	0.02132	0.02318	3.24E-03	3.67E-03	3.05E-03	3.13E-03	2.95E-03	8.58E-04	9.33E-04	1.79E-03	8.37E-04	9.10E-04	1.75E-03	8.26E-04	8.98E-04	1.72E-03
1664 494611.06, 3858851.99	0.02108	0.02289	3.20E-03	3.62E-03	3.02E-03	3.09E-03	2.92E-03	8.48E-04	9.21E-04	1.77E-03	8.28E-04	8.99E-04	1.73E-03	8.17E-04	8.87E-04	1.70E-03
1665 494661.06, 3858851.99	0.02076	0.02253	3.15E-03	3.57E-03	2.97E-03	3.04E-03	2.87E-03	8.35E-04	9.07E-04	1.74E-03	8.15E-04	8.85E-04	1.70E-03	8.04E-04	8.73E-04	1.68E-03
1666 494711.06, 3858851.99	0.02042	0.02196	3.10E-03	3.48E-03	2.92E-03	2.99E-03	2.82E-03	8.22E-04	8.84E-04	1.71E-03	8.02E-04	8.62E-04	1.66E-03	7.91E-04	8.51E-04	1.64E-03
1667 494761.06, 3858851.99	0.0201	0.02149	3.05E-03	3.40E-03	2.88E-03	2.95E-03	2.78E-03	8.09E-04	8.65E-04	1.67E-03	7.89E-04	8.44E-04	1.63E-03	7.79E-04	8.33E-04	1.61E-03
1668 494811.06, 3858851.99	0.01979	0.02113	3.01E-03	3.35E-03	2.83E-03	2.90E-03	2.74E-03	7.96E-04	8.50E-04	1.65E-03	7.77E-04	8.30E-04	1.61E-03	7.67E-04	8.19E-04	1.59E-03
1669 494861.06, 3858851.99	0.01955	0.02092	2.97E-03	3.31E-03	2.80E-03	2.87E-03	2.70E-03	7.87E-04	8.42E-04	1.63E-03	7.68E-04	8.22E-04	1.59E-03	7.58E-04	8.11E-04	1.57E-03
1670 494911.06, 3858851.99	0.01921	0.02062	2.92E-03	3.26E-03	2.75E-03	2.82E-03	2.66E-03	7.73E-04	8.30E-04	1.60E-03	7.54E-04	8.10E-04	1.56E-03	7.44E-04	7.99E-04	1.54E-03
1671 494961.06, 3858851.99	0.01891	0.02033	2.87E-03	3.22E-03	2.71E-03	2.77E-03	2.62E-03	7.61E-04	8.18E-04	1.58E-03	7.43E-04	7.98E-04	1.54E-03	7.33E-04	7.88E-04	1.52E-03
1672 495011.06, 3858851.99	0.01861	0.02013	2.83E-03	3.19E-03	2.66E-03	2.73E-03	2.57E-03	7.49E-04	8.10E-04	1.56E-03	7.31E-04	7.91E-04	1.52E-03	7.21E-04	7.80E-04	1.50E-03
1673 495061.06, 3858851.99	0.01832	0.01985	2.78E-03	3.14E-03	2.62E-03	2.69E-03	2.53E-03	7.37E-04	7.99E-04	1.54E-03	7.19E-04	7.80E-04	1.50E-03	7.10E-04	7.69E-04	1.48E-03
1674 495111.06, 3858851.99	0.01794	0.01945	2.73E-03	3.08E-03	2.57E-03	2.63E-03	2.48E-03	7.22E-04	7.83E-04	1.50E-03	7.05E-04	7.64E-04	1.47E-03	6.95E-04	7.54E-04	1.45E-03
1675 495161.06, 3858851.99	0.01767	0.01923	2.68E-03	3.04E-03	2.53E-03	2.59E-03	2.44E-03	7.11E-04	7.74E-04	1.48E-03	6.94E-04	7.55E-04	1.45E-03	6.85E-04	7.45E-04	1.43E-03
1676 495211.06, 3858851.99	0.01764	0.01913	2.68E-03	3.03E-03	2.53E-03	2.59E-03	2.44E-03	7.10E-04	7.70E-04	1.48E-03	6.93E-04	7.51E-04	1.44E-03	6.84E-04	7.41E-04	1.42E-03
1677 495261.06, 3858851.99	0.01767	0.019	2.68E-03	3.01E-03	2.53E-03	2.59E-03	2.44E-03	7.11E-04	7.65E-04	1.48E-03	6.94E-04	7.46E-04	1.44E-03	6.85E-04	7.36E-04	1.42E-03
1678 495311.06, 3858851.99	0.01773	0.01897	2.69E-03	3.00E-03	2.54E-03	2.60E-03	2.45E-03	7.14E-04	7.63E-04	1.48E-03	6.96E-04	7.45E-04	1.44E-03	6.87E-04	7.35E-04	1.42E-03
1679 495361.06, 3858851.99	0.01774	0.01889	2.70E-03	2.99E-03	2.54E-03	2.60E-03	2.45E-03	7.14E-04	7.60E-04	1.47E-03	6.97E-04	7.42E-04	1.44E-03	6.87E-04	7.32E-04	1.42E-03
1680 495411.06, 3858851.99	0.01775	0.01887	2.70E-03	2.99E-03	2.54E-03	2.60E-03	2.45E-03	7.14E-04	7.59E-04	1.47E-03	6.97E-04	7.41E-04	1.44E-03	6.88E-04	7.31E-04	1.42E-03
1681 495461.06, 3858851.99	0.01773	0.01886	2.69E-03	2.99E-03	2.54E-03	2.60E-03	2.45E-03	7.14E-04	7.59E-04	1.47E-03	6.96E-04	7.41E-04	1.44E-03	6.87E-04	7.31E-04	1.42E-03
1682 495511.06, 3858851.99	0.01763	0.01871	2.68E-03	2.96E-03	2.52E-03	2.59E-03	2.44E-03	7.09E-04	7.53E-04	1.46E-03	6.92E-04	7.35E-04	1.43E-03	6.83E-04	7.25E-04	1.41E-03
1683 495561.06, 3858851.99	0.0175	0.01854	2.66E-03	2.94E-03	2.51E-03	2.57E-03	2.42E-03	7.04E-04	7.46E-04	1.45E-03	6.87E-04	7.28E-04	1.42E-03	6.78E-04	7.18E-04	1.40E-03
1684 495611.06, 3858851.99	0.01736	0.01826	2.64E-03	2.89E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.35E-04	1.43E-03	6.82E-04	7.17E-04	1.40E-03	6.73E-04	7.08E-04	1.38E-03
1685 495661.06, 3858851.99	0.01734	0.01814	2.63E-03	2.87E-03	2.48E-03	2.54E-03	2.40E-03	6.98E-04	7.30E-04	1.43E-03	6.81E-04	7.12E-04	1.39E-03	6.72E-04	7.03E-04	1.37E-03
1686 494311.06, 3858901.99	0.02212	0.02348	3.36E-03	3.72E-03	3.17E-03	3.24E-03	3.06E-03	8.90E-04	9.45E-04	1.84E-03	8.69E-04	9.22E-04	1.79E-03	8.57E-04	9.10E-04	1.77E-03
1687 494361.06, 3858901.99	0.0227	0.02388	3.45E-03	3.78E-03	3.25E-03	3.33E-03	3.14E-03	9.14E-04	9.61E-04	1.87E-03	8.91E-04	9.38E-04	1.83E-03	8.80E-04	9.25E-04	1.80E-03
1688 494411.06, 3858901.99	0.02274	0.024	3.46E-03	3.80E-03	3.26E-03	3.33E-03	3.15E-03	9.15E-04	9.66E-04	1.88E-03	8.93E-04	9.42E-04	1.84E-03	8.81E-04	9.30E-04	1.81E-03
1689 494461.06, 3858901.99	0.02287	0.02437	3.48E-03	3.86E-03	3.27E-03	3.35E-03	3.16E-03	9.20E-04	9.81E-04	1.90E-03	8.98E-04	9.57E-04	1.86E-03	8.86E-04	9.44E-04	1.83E-03
1690 494511.06, 3858901.99	0.02254	0.02442	3.42E-03	3.87E-03	3.23E-03	3.30E-03	3.12E-03	9.07E-04	9.83E-04	1.89E-03	8.85E-04	9.59E-04	1.84E-03	8.73E-04	9.46E-04	1.82E-03
1691 494561.06, 3858901.99	0.0221	0.02417	3.36E-03	3.83E-03	3.16E-03	3.24E-03	3.06E-03	8.89E-04	9.73E-04	1.86E-03	8.68E-04	9.49E-04	1.82E-03	8.56E-04	9.37E-04	1.79E-03
1692 494611.06, 3858901.99	0.02161	0.02357	3.28E-03	3.73E-03	3.09E-03	3.17E-03	2.99E-03	8.70E-04	9.49E-04	1.82E-03	8.49E-04	9.26E-04	1.77E-03	8.37E-04	9.13E-04	1.75E-03
1693 494661.06, 3858901.99	0.02138	0.02329	3.25E-03	3.69E-03	3.06E-03	3.13E-03	2.96E-03	8.60E-04	9.37E-04	1.80E-03	8.40E-04	9.15E-04	1.75E-03	8.28E-04	9.02E-04	1.73E-03
1694 494711.06, 3858901.99	0.02095	0.02281	3.18E-03	3.61E-03	3.00E-03	3.07E-03	2.90E-03	8.43E-04	9.18E-04	1.76E-03	8.23E-04	8.96E-04	1.72E-03	8.12E-04	8.84E-04	1.70E-03
1695 494761.06, 3858901.99	0.02054	0.02221	3.12E-03	3.52E-03	2.94E-03	3.01E-03	2.84E-03	8.27E-04	8.94E-04	1.72E-03	8.07E-04	8.72E-04	1.68E-03	7.96E-04	8.61E-04	1.66E-03
1696 494811.06, 3858901.99	0.02032	0.02184	3.09E-03	3.46E-03	2.91E-03	2.98E-03	2.81E-03	8.18E-04	8.79E-04	1.70E-03	7.98E-04	8.58E-04	1.66E-03	7.87E-04	8.46E-04	1.63E-03
1697 494861.06, 3858901.99	0.02015	0.02156	3.06E-03	3.41E-03	2.88E-03	2.95E-03	2.79E-03	8.11E-04	8.68E-04	1.68E-03	7.91E-04	8.47E-04	1.64E-03	7.81E-04	8.35E-04	1.62E-03
1698 494911.06, 3858901.99	0.01978	0.02099	3.01E-03	3.32E-03	2.83E-03	2.90E-03	2.74E-03	7.96E-04	8.45E-04	1.64E-03	7.77E-04	8.24E-04	1.60E-03	7.66E-04	8.13E-04	1.58E-03
1699 494961.06, 3858901.99	0.01948	0.02079	2.96E-03	3.29E-03	2.79E-03	2.86E-03	2.69E-03	7.84E-04	8.37E-04	1.62E-03	7.65E-04	8.16E-04	1.58E-03	7.55E-04	8.06E-04	1.56E-03
1700 495011.06, 3858901.99	0.01921	0.02057	2.92E-03	3.26E-03	2.75E-03	2.82E-03	2.66E-03	7.73E-04	8.28E-04	1.60E-03	7.54E-04	8.08E-04	1.56E-03	7.44E-04	7.97E-04	1.54E-03
1701 495061.06, 3858901.99	0.01886	0.02011	2.87E-03	3.18E-03	2.70E-03	2.77E-03	2.61E-03	7.59E-04	8.09E-04	1.57E-03	7.41E-04	7.90E-04	1.53E-03	7.31E-04	7.79E-04	1.51E-03
1702 495111.06, 3858901.99	0.01841	0.01953	2.80E-03	3.09E-03	2.64E-03	2.70E-03	2.55E-03	7.41E-04	7.86E-04	1.53E-03	7.23E-04	7.67E-04	1.49E-03	7.13E-04	7.57E-04	1.47E-03
1703 495161.06, 3858901.99	0.0182	0.01946	2.77E-03	3.08E-03	2.61E-03	2.67E-03	2.52E-03	7.32E-04	7.83E-04	1.52E-03	7.15E-04	7.64E-04	1.48E-03	7.05E-04	7.54E-04	1.46E-03
1704 495211.06, 3858901.99	0.01817	0.01966	2.76E-03	3.11E-03	2.60E-03	2.66E-03	2.51E-03	7.31E-04	7.91E-04	1.52E-03	7.14E-04	7.72E-04	1.49E-03	7.04E-04	7.62E-04	1.47E-03
1705 495261.06, 3858901.99	0.0181	0.01973	2.75E-03	3.12E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	7.94E-04	1.52E-03	7.11E-04	7.75E-04	1.49E-03	7.01E-04	7.65E-04	1.47E-03
1706 495311.06, 3858901.99	0.01801	0.0196	2.74E-03	3.10E-03	2.58E-03	2.64E-03	2.49E-03	7.25E-04	7.89E-04	1.51E-03	7.07E-04	7.70E-04	1.48E-03	6.98E-04	7.59E-04	1.46E-03
1707 495361.06, 3858901.99	0.018	0.01951	2.74E-03	3.09E-03	2.58E-03	2.64E-03	2.49E-03	7.24E-04	7.85E-04	1.51E-03	7.07E-04	7.66E-04	1.47E-03	6.97E-04	7.56E-04	1.45E-03
1708 495411.06, 3858901.99	0.01808	0.01952	2.75E-03	3.09E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	7.86E-04	1.51E-03	7.10E-04	7.67E-04	1.48E-03	7.01E-04	7.56E-04	1.46E-03
1709 495461.06, 3858901.99	0.01809	0.01945	2.75E-03	3.08E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	7.83E-04	1.51E-03	7.10E-04	7.64E-04	1.47E-03	7.01E-04	7.54E-04	1.45E-03
1710 495511.06, 3858901.99	0.01801	0.01926	2.74E-03	3.05E-03	2.58E-03	2.64E-03	2.49E-03	7.25E-04	7.75E-04	1.50E-03	7.07E-04	7.56E-04	1.46E-03	6.98E-04	7.46E-04	1.44E-03
1711 495561.06, 3858901.99	0.01791	0.01908	2.72E-03	3.02E-03	2.56E-03	2.63E-03	2.48E-03	7.21E-04	7.68E-04	1.49E-03	7.03E-04	7.49E-04	1.45E-03	6.94E-04	7.39E-04	1.43E-03
1712 495611.06, 3858901.99	0.01779	0.01892	2.70E-03	3.00E-03	2.55E-03	2.61E-03	2.46E-03	7.16E-04	7.61E-04	1.48E-03	6.99E-04	7.43E-04	1.44E-03	6.89E-04	7.33E-04	1.42E-03

1713 495661.06, 3858901.99	0.01778	0.01892	2.70E-03	3.00E-03	2.55E-03	2.61E-03	2.46E-03	7.16E-04	7.61E-04	1.48E-03	6.98E-04	7.43E-04	1.44E-03	6.89E-04	7.33E-04	1.42E-03
1714 494311.06, 3858951.99	0.02334	0.02465	3.55E-03	3.90E-03	3.34E-03	3.42E-03	3.23E-03	9.39E-04	9.92E-04	1.93E-03	9.17E-04	9.68E-04	1.88E-03	9.04E-04	9.55E-04	1.86E-03
1715 494361.06, 3858951.99	0.02353	0.02503	3.58E-03	3.96E-03	3.37E-03	3.45E-03	3.25E-03	9.47E-04	1.01E-03	1.95E-03	9.24E-04	9.83E-04	1.91E-03	9.12E-04	9.70E-04	1.88E-03
1716 494411.06, 3858951.99	0.02336	0.0249	3.55E-03	3.94E-03	3.34E-03	3.43E-03	3.23E-03	9.40E-04	1.00E-03	1.94E-03	9.17E-04	9.78E-04	1.90E-03	9.05E-04	9.65E-04	1.87E-03
1717 494461.06, 3858951.99	0.02374	0.02526	3.61E-03	4.00E-03	3.40E-03	3.48E-03	3.28E-03	9.55E-04	1.02E-03	1.97E-03	9.32E-04	9.92E-04	1.92E-03	9.20E-04	9.79E-04	1.90E-03
1718 494511.06, 3858951.99	0.02359	0.02518	3.58E-03	3.99E-03	3.38E-03	3.46E-03	3.26E-03	9.49E-04	1.01E-03	1.96E-03	9.26E-04	9.89E-04	1.92E-03	9.14E-04	9.76E-04	1.89E-03
1719 494561.06, 3858951.99	0.02307	0.02494	3.51E-03	3.95E-03	3.30E-03	3.38E-03	3.19E-03	9.28E-04	1.00E-03	1.93E-03	9.06E-04	9.79E-04	1.89E-03	8.94E-04	9.66E-04	1.86E-03
1720 494611.06, 3858951.99	0.02254	0.02446	3.42E-03	3.87E-03	3.23E-03	3.30E-03	3.12E-03	9.07E-04	9.84E-04	1.89E-03	8.85E-04	9.61E-04	1.85E-03	8.73E-04	9.48E-04	1.82E-03
1721 494661.06, 3858951.99	0.02207	0.02408	3.35E-03	3.81E-03	3.16E-03	3.24E-03	3.05E-03	8.88E-04	9.69E-04	1.86E-03	8.67E-04	9.46E-04	1.81E-03	8.55E-04	9.33E-04	1.79E-03
1722 494711.06, 3858951.99	0.02152	0.02339	3.27E-03	3.70E-03	3.08E-03	3.16E-03	2.98E-03	8.66E-04	9.41E-04	1.81E-03	8.45E-04	9.19E-04	1.76E-03	8.34E-04	9.06E-04	1.74E-03
1723 494761.06, 3858951.99	0.02112	0.02311	3.21E-03	3.66E-03	3.02E-03	3.10E-03	2.92E-03	8.50E-04	9.30E-04	1.78E-03	8.29E-04	9.08E-04	1.74E-03	8.18E-04	8.95E-04	1.71E-03
1724 494811.06, 3858951.99	0.02086	0.02276	3.17E-03	3.60E-03	2.99E-03	3.06E-03	2.89E-03	8.39E-04	9.16E-04	1.76E-03	8.19E-04	8.94E-04	1.71E-03	8.08E-04	8.82E-04	1.69E-03
1725 494861.06, 3858951.99	0.02063	0.02244	3.13E-03	3.55E-03	2.95E-03	3.02E-03	2.85E-03	8.30E-04	9.03E-04	1.73E-03	8.10E-04	8.81E-04	1.69E-03	7.99E-04	8.70E-04	1.67E-03
1726 494911.06, 3858951.99	0.02034	0.02196	3.09E-03	3.48E-03	2.91E-03	2.98E-03	2.81E-03	8.19E-04	8.84E-04	1.70E-03	7.99E-04	8.62E-04	1.66E-03	7.88E-04	8.51E-04	1.64E-03
1727 494961.06, 3858951.99	0.02019	0.02172	3.07E-03	3.44E-03	2.89E-03	2.96E-03	2.79E-03	8.13E-04	8.74E-04	1.69E-03	7.93E-04	8.53E-04	1.65E-03	7.82E-04	8.42E-04	1.62E-03
1728 495011.06, 3858951.99	0.01976	0.02104	3.00E-03	3.33E-03	2.83E-03	2.90E-03	2.73E-03	7.95E-04	8.47E-04	1.64E-03	7.76E-04	8.26E-04	1.60E-03	7.66E-04	8.15E-04	1.58E-03
1729 495061.06, 3858951.99	0.01928	0.02039	2.93E-03	3.23E-03	2.76E-03	2.83E-03	2.67E-03	7.76E-04	8.21E-04	1.60E-03	7.57E-04	8.01E-04	1.56E-03	7.47E-04	7.90E-04	1.54E-03
1730 495111.06, 3858951.99	0.01892	0.01987	2.87E-03	3.15E-03	2.71E-03	2.77E-03	2.62E-03	7.61E-04	8.00E-04	1.56E-03	7.43E-04	7.80E-04	1.52E-03	7.33E-04	7.70E-04	1.50E-03
1731 495161.06, 3858951.99	0.01887	0.02011	2.87E-03	3.18E-03	2.70E-03	2.77E-03	2.61E-03	7.59E-04	8.09E-04	1.57E-03	7.41E-04	7.90E-04	1.53E-03	7.31E-04	7.79E-04	1.51E-03
1732 495211.06, 3858951.99	0.01879	0.02016	2.86E-03	3.19E-03	2.69E-03	2.76E-03	2.60E-03	7.56E-04	8.11E-04	1.57E-03	7.38E-04	7.92E-04	1.53E-03	7.28E-04	7.81E-04	1.51E-03
1733 495261.06, 3858951.99	0.0187	0.0202	2.84E-03	3.20E-03	2.68E-03	2.74E-03	2.59E-03	7.53E-04	8.13E-04	1.57E-03	7.34E-04	7.93E-04	1.53E-03	7.25E-04	7.83E-04	1.51E-03
1734 495311.06, 3858951.99	0.0185	0.02006	2.81E-03	3.18E-03	2.65E-03	2.71E-03	2.56E-03	7.44E-04	8.07E-04	1.55E-03	7.26E-04	7.88E-04	1.51E-03	7.17E-04	7.77E-04	1.49E-03
1735 495361.06, 3858951.99	0.01846	0.02018	2.81E-03	3.20E-03	2.64E-03	2.71E-03	2.55E-03	7.43E-04	8.12E-04	1.55E-03	7.25E-04	7.92E-04	1.52E-03	7.15E-04	7.82E-04	1.50E-03
1736 495411.06, 3858951.99	0.01843	0.02023	2.80E-03	3.20E-03	2.64E-03	2.70E-03	2.55E-03	7.42E-04	8.14E-04	1.56E-03	7.24E-04	7.94E-04	1.52E-03	7.14E-04	7.84E-04	1.50E-03
1737 495461.06, 3858951.99	0.01837	0.02008	2.79E-03	3.18E-03	2.63E-03	2.69E-03	2.54E-03	7.39E-04	8.08E-04	1.55E-03	7.21E-04	7.89E-04	1.51E-03	7.12E-04	7.78E-04	1.49E-03
1738 495511.06, 3858951.99	0.01844	0.01999	2.80E-03	3.17E-03	2.64E-03	2.70E-03	2.55E-03	7.42E-04	8.04E-04	1.55E-03	7.24E-04	7.85E-04	1.51E-03	7.15E-04	7.75E-04	1.49E-03
1739 495561.06, 3858951.99	0.0183	0.01972	2.78E-03	3.12E-03	2.62E-03	2.68E-03	2.53E-03	7.36E-04	7.94E-04	1.53E-03	7.19E-04	7.74E-04	1.49E-03	7.09E-04	7.64E-04	1.47E-03
1740 495611.06, 3858951.99	0.01826	0.01961	2.77E-03	3.10E-03	2.61E-03	2.68E-03	2.53E-03	7.35E-04	7.89E-04	1.52E-03	7.17E-04	7.70E-04	1.49E-03	7.08E-04	7.60E-04	1.47E-03
1741 495661.06, 3858951.99	0.01825	0.01953	2.77E-03	3.09E-03	2.61E-03	2.68E-03	2.52E-03	7.34E-04	7.86E-04	1.52E-03	7.17E-04	7.67E-04	1.48E-03	7.07E-04	7.57E-04	1.46E-03
1742 494311.06, 3859001.99	0.02479	0.02571	3.77E-03	4.07E-03	3.55E-03	3.63E-03	3.43E-03	9.98E-04	1.03E-03	2.03E-03	9.73E-04	1.01E-03	1.98E-03	9.61E-04	9.96E-04	1.96E-03
1743 494361.06, 3859001.99	0.02462	0.02579	3.74E-03	4.08E-03	3.52E-03	3.61E-03	3.41E-03	9.91E-04	1.04E-03	2.03E-03	9.67E-04	1.01E-03	1.98E-03	9.54E-04	9.99E-04	1.95E-03
1744 494411.06, 3859001.99	0.02466	0.02607	3.75E-03	4.13E-03	3.53E-03	3.62E-03	3.41E-03	9.92E-04	1.05E-03	2.04E-03	9.68E-04	1.02E-03	1.99E-03	9.56E-04	1.01E-03	1.97E-03
1745 494461.06, 3859001.99	0.02457	0.02598	3.73E-03	4.11E-03	3.52E-03	3.60E-03	3.40E-03	9.89E-04	1.05E-03	2.03E-03	9.65E-04	1.02E-03	1.99E-03	9.52E-04	1.01E-03	1.96E-03
1746 494511.06, 3859001.99	0.02445	0.02592	3.72E-03	4.10E-03	3.50E-03	3.59E-03	3.38E-03	9.84E-04	1.04E-03	2.03E-03	9.60E-04	1.02E-03	1.98E-03	9.47E-04	1.00E-03	1.95E-03
1747 494561.06, 3859001.99	0.02407	0.02553	3.66E-03	4.04E-03	3.45E-03	3.53E-03	3.33E-03	9.69E-04	1.03E-03	2.00E-03	9.45E-04	1.00E-03	1.95E-03	9.33E-04	9.89E-04	1.92E-03
1748 494611.06, 3859001.99	0.02352	0.02517	3.57E-03	3.99E-03	3.37E-03	3.45E-03	3.25E-03	9.47E-04	1.01E-03	1.96E-03	9.24E-04	9.88E-04	1.91E-03	9.11E-04	9.75E-04	1.89E-03
1749 494661.06, 3859001.99	0.02292	0.02467	3.48E-03	3.91E-03	3.28E-03	3.36E-03	3.17E-03	9.22E-04	9.93E-04	1.92E-03	9.00E-04	9.69E-04	1.87E-03	8.88E-04	9.56E-04	1.84E-03
1750 494711.06, 3859001.99	0.02236	0.02407	3.40E-03	3.81E-03	3.20E-03	3.28E-03	3.09E-03	9.00E-04	9.69E-04	1.87E-03	8.78E-04	9.45E-04	1.82E-03	8.66E-04	9.33E-04	1.80E-03
1751 494761.06, 3859001.99	0.02187	0.02375	3.32E-03	3.76E-03	3.13E-03	3.21E-03	3.02E-03	8.80E-04	9.56E-04	1.84E-03	8.59E-04	9.33E-04	1.79E-03	8.47E-04	9.20E-04	1.77E-03
1752 494811.06, 3859001.99	0.02171	0.02347	3.30E-03	3.72E-03	3.11E-03	3.18E-03	3.00E-03	8.74E-04	9.45E-04	1.82E-03	8.53E-04	9.22E-04	1.77E-03	8.41E-04	9.09E-04	1.75E-03
1753 494861.06, 3859001.99	0.02132	0.02316	3.24E-03	3.67E-03	3.05E-03	3.13E-03	2.95E-03	8.58E-04	9.32E-04	1.79E-03	8.37E-04	9.09E-04	1.75E-03	8.26E-04	8.97E-04	1.72E-03
1754 494911.06, 3859001.99	0.02093	0.0228	3.18E-03	3.61E-03	3.00E-03	3.07E-03	2.89E-03	8.42E-04	9.18E-04	1.76E-03	8.22E-04	8.95E-04	1.72E-03	8.11E-04	8.83E-04	1.69E-03
1755 494961.06, 3859001.99	0.02056	0.02241	3.12E-03	3.55E-03	2.94E-03	3.01E-03	2.84E-03	8.27E-04	9.02E-04	1.73E-03	8.07E-04	8.80E-04	1.69E-03	7.97E-04	8.68E-04	1.67E-03
1756 495011.06, 3859001.99	0.01988	0.02135	3.02E-03	3.38E-03	2.85E-03	2.91E-03	2.75E-03	8.00E-04	8.59E-04	1.66E-03	7.81E-04	8.38E-04	1.62E-03	7.70E-04	8.27E-04	1.60E-03
1757 495061.06, 3859001.99	0.01973	0.0211	3.00E-03	3.34E-03	2.82E-03	2.89E-03	2.73E-03	7.94E-04	8.49E-04	1.64E-03	7.75E-04	8.29E-04	1.60E-03	7.65E-04	8.18E-04	1.58E-03
1758 495111.06, 3859001.99	0.01943	0.02054	2.95E-03	3.25E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	8.27E-04	1.61E-03	7.63E-04	8.07E-04	1.57E-03	7.53E-04	7.96E-04	1.55E-03
1759 495161.06, 3859001.99	0.01951	0.0209	2.96E-03	3.31E-03	2.79E-03	2.86E-03	2.70E-03	7.85E-04	8.41E-04	1.63E-03	7.66E-04	8.21E-04	1.59E-03	7.56E-04	8.10E-04	1.57E-03
1760 495211.06, 3859001.99	0.01938	0.02078	2.94E-03	3.29E-03	2.77E-03	2.84E-03	2.68E-03	7.80E-04	8.36E-04	1.62E-03	7.61E-04	8.16E-04	1.58E-03	7.51E-04	8.05E-04	1.56E-03
1761 495261.06, 3859001.99	0.01939	0.02083	2.95E-03	3.30E-03	2.78E-03	2.84E-03	2.68E-03	7.80E-04	8.38E-04	1.62E-03	7.61E-04	8.18E-04	1.58E-03	7.51E-04	8.07E-04	1.56E-03
1762 495311.06, 3859001.99	0.01925	0.02079	2.93E-03	3.29E-03	2.76E-03	2.82E-03	2.66E-03	7.75E-04	8.37E-04	1.61E-03	7.56E-04	8.16E-04	1.57E-03	7.46E-04	8.06E-04	1.55E-03
1763 495361.06, 3859001.99	0.01916	0.02075	2.91E-03	3.29E-03	2.74E-03	2.81E-03	2.65E-03	7.71E-04	8.35E-04	1.61E-03	7.52E-04	8.15E-04	1.57E-03	7.42E-04	8.04E-04	1.55E-03
1764 495411.06, 3859001.99	0.01907	0.02075	2.90E-03	3.29E-03	2.73E-03	2.80E-03	2.64E-03	7.67E-04	8.35E-04	1.60E-03	7.49E-04	8.15E-04	1.56E-03	7.39E-04	8.04E-04	1.54E-03
1765 495461.06, 3859001.99	0.019	0.02078	2.89E-03	3.29E-03	2.72E-03	2.79E-03	2.63E-03	7.65E-04	8.36E-04	1.60E-03	7.46E-04	8.16E-04	1.56E-03	7.36E-04	8.05E-04	1.54E-03
1766 495511.06, 3859001.99	0.01873	0.02063	2.85E-03	3.27E-03	2.68E-03	2.75E-03	2.59E-03	7.54E-04	8.30E-04	1.58E-03	7.36E-04	8.10E-04	1.55E-03	7.26E-04	7.99E-04	1.53E-03
1767 495561.06, 3859001.99	0.0186	0.02053	2.83E-03	3.25E-03	2.66E-03	2.73E-03	2.57E-03	7.49E-04	8.26E-04	1.57E-03	7.30E-04	8.06E-04	1.54E-03	7.21E-04	7.96E-04	1.52E-03
1768 495611.06, 3859001.99	0.01855	0.02033	2.82E-03	3.22E-03	2.66E-03	2.72E-03	2.57E-03	7.47E-04	8.18E-04	1.56E-03	7.28E-04	7.98E-04	1.53E-03	7.19E-04	7.88E-04	1.51E-03
1769 495661.06, 3859001.99	0.01872	0.02051	2.84E-03	3.25E-03	2.68E-03	2.74E-03	2.59E-03	7.53E-04	8.25E-04	1.58E-03	7.35E-04	8.05E-04	1.54E-03	7.25E-04	7.95E-04	1.52E-03
1770 494311.06, 3859051.99	0.02589	0.02666	3.93E-03	4.22E-03	3.71E-03	3.80E-03	3.58E-03	1.04E-03	1.07E-03	2.11E-03	1.02E-03	1.05E-03	2.06E-03	1.00E-03	1.03E-03	2.04E-03
1771 494361.06, 3859051.99	0.02598	0.02721	3.95E-03	4.31E-03	3.72E-03	3.81E-03	3.59E-03	1.05E-03	1.10E-03	2.14E-03	1.02E-03	1.07E-03	2.09E-03	1.01E-03	1.05E-03	2.06E-03
1772 494411.06, 3859051.99	0.02576	0.02704	3.91E-03	4.28E-03	3.69E-03	3.78E-03	3.56E-03	1.04E-03	1.09E-03	2.12E-03	1.01E-03	1.06E-03	2.07E-03	9.98E-04	1.05E-03	2.05E-03
1773 494461.06, 3859051.99	0.02547	0.0268	3.87E-03	4.24E-03	3.65E-03	3.73E-03	3.52E-03	1.02E-03	1.08E-03	2.10E-03	1.00E-03	1.05E-03	2.05E-03	9.87E-04	1.04E-03	2.03E-03
1774 494511.06, 3859051.99	0.02508	0.02645	3.81E-03	4.19E-03	3.59E-03	3.68E-03	3.47E-03	1.01E-03	1.06E-03	2.07E-03	9.85E-04	1.04E-03	2.02E-03	9.72E-04	1.02E-03	2.00E-03
1775 494561.06, 3859051.99	0.02478	0.02617	3.77E-03	4.14E-03	3.55E-03	3.63E-03	3.43E-03	9.97E-04	1.05E-03	2.05E-03	9.73E-04	1.03E-03	2.00E-03	9.60E-04	1.01E-03	1.97E-03
1776 494611.06, 3859051.99	0.02441	0.02574	3.71E-03	4.08E-03	3.49E-03	3.58E-03	3.38E-03	9.82E-04	1.04E-03	2.02E-03	9.59E-04	1.01E-03	1.97E-03	9.46E-04	9.97E-04	1.94E-03
1777 494661.06, 3859051.99	0.02394	0.02529	3.64E-03	4.00E-03	3.43E-03	3.51E-03	3.31E-03	9.63E-04	1.02E-03	1.98E-03	9.40E-04	9.93E-04	1.93E-03	9.28E-04	9.80E-04	1.91E-03
1778 494711.06, 3859051.99	0.02335	0.02489	3.55E-03	3.94E-03	3.34E-03	3.42E-03	3.23E-03	9.40E-04	1.00E-03	1.94E-03	9.17E-04	9.77E-04	1.89E-03	9.05E-04	9.64E-04	1.87E-03

1779 494761.06, 3859051.99	0.02282	0.02445	3.47E-03	3.87E-03	3.27E-03	3.35E-03	3.16E-03	9.18E-04	9.84E-04	1.90E-03	8.96E-04	9.60E-04	1.86E-03	8.84E-04	9.47E-04	1.83E-03
1780 494811.06, 3859051.99	0.0224	0.02417	3.40E-03	3.83E-03	3.21E-03	3.28E-03	3.10E-03	9.01E-04	9.73E-04	1.87E-03	8.80E-04	9.49E-04	1.83E-03	8.68E-04	9.37E-04	1.80E-03
1781 494861.06, 3859051.99	0.02206	0.02373	3.35E-03	3.76E-03	3.16E-03	3.23E-03	3.05E-03	8.88E-04	9.55E-04	1.84E-03	8.66E-04	9.32E-04	1.80E-03	8.55E-04	9.20E-04	1.77E-03
1782 494911.06, 3859051.99	0.02163	0.02335	3.29E-03	3.70E-03	3.10E-03	3.17E-03	2.99E-03	8.70E-04	9.40E-04	1.81E-03	8.49E-04	9.17E-04	1.77E-03	8.38E-04	9.05E-04	1.74E-03
1783 494961.06, 3859051.99	0.02088	0.02276	3.17E-03	3.60E-03	2.99E-03	3.06E-03	2.89E-03	8.40E-04	9.16E-04	1.76E-03	8.20E-04	8.94E-04	1.71E-03	8.09E-04	8.82E-04	1.69E-03
1784 495011.06, 3859051.99	0.0205	0.02224	3.12E-03	3.52E-03	2.93E-03	3.01E-03	2.84E-03	8.25E-04	8.95E-04	1.72E-03	8.05E-04	8.73E-04	1.68E-03	7.94E-04	8.62E-04	1.66E-03
1785 495061.06, 3859051.99	0.02026	0.02182	3.08E-03	3.45E-03	2.90E-03	2.97E-03	2.80E-03	8.15E-04	8.78E-04	1.69E-03	7.96E-04	8.57E-04	1.65E-03	7.85E-04	8.45E-04	1.63E-03
1786 495111.06, 3859051.99	0.02014	0.02165	3.06E-03	3.43E-03	2.88E-03	2.95E-03	2.79E-03	8.10E-04	8.71E-04	1.68E-03	7.91E-04	8.50E-04	1.64E-03	7.80E-04	8.39E-04	1.62E-03
1787 495161.06, 3859051.99	0.02023	0.02182	3.07E-03	3.45E-03	2.90E-03	2.97E-03	2.80E-03	8.14E-04	8.78E-04	1.69E-03	7.94E-04	8.57E-04	1.65E-03	7.84E-04	8.45E-04	1.63E-03
1788 495211.06, 3859051.99	0.02008	0.02149	3.05E-03	3.40E-03	2.87E-03	2.94E-03	2.78E-03	8.08E-04	8.65E-04	1.67E-03	7.89E-04	8.44E-04	1.63E-03	7.78E-04	8.33E-04	1.61E-03
1789 495261.06, 3859051.99	0.02006	0.02155	3.05E-03	3.41E-03	2.87E-03	2.94E-03	2.77E-03	8.07E-04	8.67E-04	1.67E-03	7.88E-04	8.46E-04	1.63E-03	7.77E-04	8.35E-04	1.61E-03
1790 495311.06, 3859051.99	0.01987	0.02136	3.02E-03	3.38E-03	2.84E-03	2.91E-03	2.75E-03	8.00E-04	8.60E-04	1.66E-03	7.80E-04	8.39E-04	1.62E-03	7.70E-04	8.28E-04	1.60E-03
1791 495361.06, 3859051.99	0.01982	0.02128	3.01E-03	3.37E-03	2.84E-03	2.91E-03	2.74E-03	7.98E-04	8.56E-04	1.65E-03	7.78E-04	8.36E-04	1.61E-03	7.68E-04	8.25E-04	1.59E-03
1792 495411.06, 3859051.99	0.01981	0.02136	3.01E-03	3.38E-03	2.84E-03	2.90E-03	2.74E-03	7.97E-04	8.60E-04	1.66E-03	7.78E-04	8.39E-04	1.62E-03	7.68E-04	8.28E-04	1.60E-03
1793 495461.06, 3859051.99	0.01974	0.02127	3.00E-03	3.37E-03	2.83E-03	2.89E-03	2.73E-03	7.94E-04	8.56E-04	1.65E-03	7.75E-04	8.35E-04	1.61E-03	7.65E-04	8.24E-04	1.59E-03
1794 495511.06, 3859051.99	0.0196	0.02109	2.98E-03	3.34E-03	2.81E-03	2.87E-03	2.71E-03	7.89E-04	8.49E-04	1.64E-03	7.70E-04	8.28E-04	1.60E-03	7.59E-04	8.17E-04	1.58E-03
1795 495561.06, 3859051.99	0.01932	0.02097	2.94E-03	3.32E-03	2.77E-03	2.83E-03	2.67E-03	7.77E-04	8.44E-04	1.62E-03	7.59E-04	8.23E-04	1.58E-03	7.49E-04	8.13E-04	1.56E-03
1796 495611.06, 3859051.99	0.01912	0.02087	2.91E-03	3.30E-03	2.74E-03	2.80E-03	2.64E-03	7.69E-04	8.40E-04	1.61E-03	7.51E-04	8.20E-04	1.57E-03	7.41E-04	8.09E-04	1.55E-03
1797 495661.06, 3859051.99	0.0193	0.02099	2.93E-03	3.32E-03	2.76E-03	2.83E-03	2.67E-03	7.77E-04	8.45E-04	1.62E-03	7.58E-04	8.24E-04	1.58E-03	7.48E-04	8.13E-04	1.56E-03
1798 494311.06, 3859101.99	0.02739	0.02819	4.16E-03	4.46E-03	3.92E-03	4.02E-03	3.79E-03	1.10E-03	1.13E-03	2.24E-03	1.08E-03	1.11E-03	2.18E-03	1.06E-03	1.09E-03	2.15E-03
1799 494361.06, 3859101.99	0.02717	0.02809	4.13E-03	4.45E-03	3.89E-03	3.98E-03	3.76E-03	1.09E-03	1.13E-03	2.22E-03	1.07E-03	1.10E-03	2.17E-03	1.05E-03	1.09E-03	2.14E-03
1800 494411.06, 3859101.99	0.02703	0.028	4.11E-03	4.43E-03	3.87E-03	3.96E-03	3.74E-03	1.09E-03	1.13E-03	2.21E-03	1.06E-03	1.10E-03	2.16E-03	1.05E-03	1.08E-03	2.13E-03
1801 494461.06, 3859101.99	0.02667	0.02777	4.05E-03	4.40E-03	3.82E-03	3.91E-03	3.69E-03	1.07E-03	1.12E-03	2.19E-03	1.05E-03	1.09E-03	2.14E-03	1.03E-03	1.08E-03	2.11E-03
1802 494511.06, 3859101.99	0.02615	0.02733	3.97E-03	4.33E-03	3.74E-03	3.83E-03	3.62E-03	1.05E-03	1.10E-03	2.15E-03	1.03E-03	1.07E-03	2.10E-03	1.01E-03	1.06E-03	2.07E-03
1803 494561.06, 3859101.99	0.02578	0.02699	3.92E-03	4.27E-03	3.69E-03	3.78E-03	3.57E-03	1.04E-03	1.09E-03	2.12E-03	1.01E-03	1.06E-03	2.07E-03	9.99E-04	1.05E-03	2.04E-03
1804 494611.06, 3859101.99	0.02516	0.0264	3.82E-03	4.18E-03	3.60E-03	3.69E-03	3.48E-03	1.01E-03	1.06E-03	2.07E-03	9.88E-04	1.04E-03	2.02E-03	9.75E-04	1.02E-03	2.00E-03
1805 494661.06, 3859101.99	0.02479	0.02608	3.77E-03	4.13E-03	3.55E-03	3.63E-03	3.43E-03	9.98E-04	1.05E-03	2.05E-03	9.73E-04	1.02E-03	2.00E-03	9.61E-04	1.01E-03	1.97E-03
1806 494711.06, 3859101.99	0.0242	0.02541	3.68E-03	4.02E-03	3.46E-03	3.55E-03	3.35E-03	9.74E-04	1.02E-03	2.00E-03	9.50E-04	9.98E-04	1.95E-03	9.38E-04	9.85E-04	1.92E-03
1807 494761.06, 3859101.99	0.02389	0.02529	3.63E-03	4.00E-03	3.42E-03	3.50E-03	3.30E-03	9.61E-04	1.02E-03	1.98E-03	9.38E-04	9.93E-04	1.93E-03	9.26E-04	9.80E-04	1.91E-03
1808 494811.06, 3859101.99	0.02332	0.02485	3.54E-03	3.93E-03	3.34E-03	3.42E-03	3.23E-03	9.38E-04	1.00E-03	1.94E-03	9.16E-04	9.76E-04	1.89E-03	9.04E-04	9.63E-04	1.87E-03
1809 494861.06, 3859101.99	0.02281	0.02451	3.47E-03	3.88E-03	3.27E-03	3.34E-03	3.15E-03	9.18E-04	9.86E-04	1.90E-03	8.96E-04	9.63E-04	1.86E-03	8.84E-04	9.50E-04	1.83E-03
1810 494911.06, 3859101.99	0.0223	0.024	3.39E-03	3.80E-03	3.19E-03	3.27E-03	3.08E-03	8.97E-04	9.66E-04	1.86E-03	8.76E-04	9.42E-04	1.82E-03	8.64E-04	9.30E-04	1.79E-03
1811 494961.06, 3859101.99	0.02158	0.02323	3.28E-03	3.68E-03	3.09E-03	3.16E-03	2.98E-03	8.68E-04	9.35E-04	1.80E-03	8.47E-04	9.12E-04	1.76E-03	8.36E-04	9.00E-04	1.74E-03
1812 495011.06, 3859101.99	0.02087	0.0227	3.17E-03	3.59E-03	2.99E-03	3.06E-03	2.89E-03	8.40E-04	9.14E-04	1.75E-03	8.20E-04	8.91E-04	1.71E-03	8.09E-04	8.80E-04	1.69E-03
1813 495061.06, 3859101.99	0.02087	0.02259	3.17E-03	3.58E-03	2.99E-03	3.06E-03	2.89E-03	8.40E-04	9.09E-04	1.75E-03	8.20E-04	8.87E-04	1.71E-03	8.09E-04	8.75E-04	1.68E-03
1814 495111.06, 3859101.99	0.02071	0.0223	3.15E-03	3.53E-03	2.96E-03	3.04E-03	2.86E-03	8.33E-04	8.97E-04	1.73E-03	8.13E-04	8.76E-04	1.69E-03	8.02E-04	8.64E-04	1.67E-03
1815 495161.06, 3859101.99	0.02081	0.02238	3.16E-03	3.54E-03	2.98E-03	3.05E-03	2.88E-03	8.37E-04	9.01E-04	1.74E-03	8.17E-04	8.79E-04	1.70E-03	8.06E-04	8.67E-04	1.67E-03
1816 495211.06, 3859101.99	0.02067	0.02225	3.14E-03	3.52E-03	2.96E-03	3.03E-03	2.86E-03	8.32E-04	8.95E-04	1.73E-03	8.12E-04	8.74E-04	1.69E-03	8.01E-04	8.62E-04	1.66E-03
1817 495261.06, 3859101.99	0.02068	0.0223	3.14E-03	3.53E-03	2.96E-03	3.03E-03	2.86E-03	8.32E-04	8.97E-04	1.73E-03	8.12E-04	8.76E-04	1.69E-03	8.01E-04	8.64E-04	1.67E-03
1818 495311.06, 3859101.99	0.02061	0.02209	3.13E-03	3.50E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	8.89E-04	1.72E-03	8.09E-04	8.67E-04	1.68E-03	7.99E-04	8.56E-04	1.65E-03
1819 495361.06, 3859101.99	0.02059	0.02213	3.13E-03	3.50E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	8.91E-04	1.72E-03	8.09E-04	8.69E-04	1.68E-03	7.98E-04	8.58E-04	1.66E-03
1820 495411.06, 3859101.99	0.02056	0.02205	3.12E-03	3.49E-03	2.94E-03	3.01E-03	2.84E-03	8.27E-04	8.87E-04	1.71E-03	8.07E-04	8.66E-04	1.67E-03	7.97E-04	8.54E-04	1.65E-03
1821 495461.06, 3859101.99	0.02023	0.02175	3.07E-03	3.44E-03	2.90E-03	2.97E-03	2.80E-03	8.14E-04	8.75E-04	1.69E-03	7.94E-04	8.54E-04	1.65E-03	7.84E-04	8.43E-04	1.63E-03
1822 495511.06, 3859101.99	0.02014	0.02166	3.06E-03	3.43E-03	2.88E-03	2.95E-03	2.79E-03	8.10E-04	8.72E-04	1.68E-03	7.91E-04	8.51E-04	1.64E-03	7.80E-04	8.39E-04	1.62E-03
1823 495561.06, 3859101.99	0.02012	0.02146	3.06E-03	3.40E-03	2.88E-03	2.95E-03	2.78E-03	8.10E-04	8.64E-04	1.67E-03	7.90E-04	8.43E-04	1.63E-03	7.80E-04	8.32E-04	1.61E-03
1824 495611.06, 3859101.99	0.01988	0.02132	3.02E-03	3.38E-03	2.85E-03	2.91E-03	2.75E-03	8.00E-04	8.58E-04	1.66E-03	7.81E-04	8.37E-04	1.62E-03	7.70E-04	8.26E-04	1.60E-03
1825 495661.06, 3859101.99	0.01985	0.02136	3.02E-03	3.38E-03	2.84E-03	2.91E-03	2.75E-03	7.99E-04	8.60E-04	1.66E-03	7.80E-04	8.39E-04	1.62E-03	7.69E-04	8.28E-04	1.60E-03
1826 494311.06, 3859151.99	0.02851	0.02858	4.33E-03	4.53E-03	4.08E-03	4.18E-03	3.94E-03	1.15E-03	1.15E-03	2.30E-03	1.12E-03	1.12E-03	2.24E-03	1.10E-03	1.11E-03	2.21E-03
1827 494361.06, 3859151.99	0.0284	0.02851	4.32E-03	4.51E-03	4.07E-03	4.16E-03	3.93E-03	1.14E-03	1.15E-03	2.29E-03	1.12E-03	1.12E-03	2.23E-03	1.10E-03	1.10E-03	2.21E-03
1828 494411.06, 3859151.99	0.02815	0.02834	4.28E-03	4.49E-03	4.03E-03	4.13E-03	3.89E-03	1.13E-03	1.14E-03	2.27E-03	1.11E-03	1.11E-03	2.22E-03	1.09E-03	1.10E-03	2.19E-03
1829 494461.06, 3859151.99	0.02787	0.02818	4.23E-03	4.46E-03	3.99E-03	4.09E-03	3.85E-03	1.12E-03	1.13E-03	2.26E-03	1.09E-03	1.11E-03	2.20E-03	1.08E-03	1.09E-03	2.17E-03
1830 494511.06, 3859151.99	0.02717	0.02786	4.13E-03	4.41E-03	3.89E-03	3.98E-03	3.76E-03	1.09E-03	1.12E-03	2.21E-03	1.07E-03	1.09E-03	2.16E-03	1.05E-03	1.08E-03	2.13E-03
1831 494561.06, 3859151.99	0.02683	0.02764	4.08E-03	4.38E-03	3.84E-03	3.93E-03	3.71E-03	1.08E-03	1.11E-03	2.19E-03	1.05E-03	1.09E-03	2.14E-03	1.04E-03	1.07E-03	2.11E-03
1832 494611.06, 3859151.99	0.02622	0.02719	3.98E-03	4.31E-03	3.75E-03	3.84E-03	3.63E-03	1.06E-03	1.09E-03	2.15E-03	1.03E-03	1.07E-03	2.10E-03	1.02E-03	1.05E-03	2.07E-03
1833 494661.06, 3859151.99	0.02588	0.02689	3.93E-03	4.26E-03	3.70E-03	3.79E-03	3.58E-03	1.04E-03	1.08E-03	2.12E-03	1.02E-03	1.06E-03	2.07E-03	1.00E-03	1.04E-03	2.04E-03
1834 494711.06, 3859151.99	0.02561	0.02665	3.89E-03	4.22E-03	3.67E-03	3.76E-03	3.54E-03	1.03E-03	1.07E-03	2.10E-03	1.01E-03	1.05E-03	2.05E-03	9.92E-04	1.03E-03	2.02E-03
1835 494761.06, 3859151.99	0.02492	0.02601	3.79E-03	4.12E-03	3.57E-03	3.65E-03	3.45E-03	1.00E-03	1.05E-03	2.05E-03	9.79E-04	1.02E-03	2.00E-03	9.66E-04	1.01E-03	1.97E-03
1836 494811.06, 3859151.99	0.0244	0.02549	3.71E-03	4.04E-03	3.49E-03	3.58E-03	3.37E-03	9.82E-04	1.03E-03	2.01E-03	9.58E-04	1.00E-03	1.96E-03	9.45E-04	9.88E-04	1.93E-03
1837 494861.06, 3859151.99	0.02388	0.02515	3.63E-03	3.98E-03	3.42E-03	3.50E-03	3.30E-03	9.61E-04	1.01E-03	1.97E-03	9.38E-04	9.88E-04	1.93E-03	9.25E-04	9.75E-04	1.90E-03
1838 494911.06, 3859151.99	0.02316	0.02444	3.52E-03	3.87E-03	3.32E-03	3.40E-03	3.20E-03	9.32E-04	9.84E-04	1.92E-03	9.09E-04	9.60E-04	1.87E-03	8.97E-04	9.47E-04	1.84E-03
1839 494961.06, 3859151.99	0.02232	0.02356	3.39E-03	3.73E-03	3.20E-03	3.27E-03	3.09E-03	8.98E-04	9.48E-04	1.85E-03	8.77E-04	9.25E-04	1.80E-03	8.65E-04	9.13E-04	1.78E-03
1840 495011.06, 3859151.99	0.02154	0.02313	3.27E-03	3.66E-03	3.08E-03	3.16E-03	2.98E-03	8.67E-04	9.31E-04	1.80E-03	8.46E-04	9.08E-04	1.75E-03	8.35E-04	8.96E-04	1.73E-03
1841 495061.06, 3859151.99	0.0215	0.02308	3.27E-03	3.65E-03	3.08E-03	3.15E-03	2.97E-03	8.65E-04	9.29E-04	1.79E-03	8.44E-04	9.06E-04	1.75E-03	8.33E-04	8.94E-04	1.73E-03
1842 495111.06, 3859151.99	0.02139	0.02299	3.25E-03	3.64E-03	3.06E-03	3.14E-03	2.96E-03	8.61E-04	9.25E-04	1.79E-03	8.40E-04	9.03E-04	1.74E-03	8.29E-04	8.91E-04	1.72E-03
1843 495161.06, 3859151.99	0.0216	0.0229	3.28E-03	3.63E-03	3.09E-03	3.17E-03	2.99E-03	8.69E-04	9.22E-04	1.79E-03	8.48E-04	8.99E-04	1.75E-03	8.37E-04	8.87E-04	1.72E-03
1844 495211.06, 3859151.99	0.02151	0.02278	3.27E-03	3.61E-03	3.08E-03	3.15E-03	2.97E-03	8.66E-04	9.17E-04	1.78E-03	8.45E-04	8.95E-04	1.74E-03	8.33E-04	8.83E-04	1.72E-03

1845 495261.06, 3859151.99	0.02143	0.02273	3.26E-03	3.60E-03	3.07E-03	3.14E-03	2.96E-03	8.62E-04	9.15E-04	1.78E-03	8.42E-04	8.93E-04	1.73E-03	8.30E-04	8.81E-04	1.71E-03
1846 495311.06, 3859151.99	0.02142	0.02271	3.25E-03	3.60E-03	3.07E-03	3.14E-03	2.96E-03	8.62E-04	9.14E-04	1.78E-03	8.41E-04	8.92E-04	1.73E-03	8.30E-04	8.80E-04	1.71E-03
1847 495361.06, 3859151.99	0.02131	0.02268	3.24E-03	3.59E-03	3.05E-03	3.12E-03	2.95E-03	8.58E-04	9.13E-04	1.77E-03	8.37E-04	8.91E-04	1.73E-03	8.26E-04	8.79E-04	1.70E-03
1848 495411.06, 3859151.99	0.0214	0.02277	3.25E-03	3.61E-03	3.06E-03	3.14E-03	2.96E-03	8.61E-04	9.16E-04	1.78E-03	8.40E-04	8.94E-04	1.73E-03	8.29E-04	8.82E-04	1.71E-03
1849 495461.06, 3859151.99	0.02132	0.02266	3.24E-03	3.59E-03	3.05E-03	3.13E-03	2.95E-03	8.58E-04	9.12E-04	1.77E-03	8.37E-04	8.90E-04	1.73E-03	8.26E-04	8.78E-04	1.70E-03
1850 495511.06, 3859151.99	0.0211	0.0224	3.21E-03	3.55E-03	3.02E-03	3.09E-03	2.92E-03	8.49E-04	9.01E-04	1.75E-03	8.29E-04	8.80E-04	1.71E-03	8.18E-04	8.68E-04	1.69E-03
1851 495561.06, 3859151.99	0.0209	0.02221	3.18E-03	3.52E-03	2.99E-03	3.06E-03	2.89E-03	8.41E-04	8.94E-04	1.73E-03	8.21E-04	8.72E-04	1.69E-03	8.10E-04	8.61E-04	1.67E-03
1852 495611.06, 3859151.99	0.0207	0.02204	3.15E-03	3.49E-03	2.96E-03	3.04E-03	2.86E-03	8.33E-04	8.87E-04	1.72E-03	8.13E-04	8.66E-04	1.68E-03	8.02E-04	8.54E-04	1.66E-03
1853 495661.06, 3859151.99	0.02053	0.02177	3.12E-03	3.45E-03	2.94E-03	3.01E-03	2.84E-03	8.26E-04	8.76E-04	1.70E-03	8.06E-04	8.55E-04	1.66E-03	7.96E-04	8.44E-04	1.64E-03
1854 494311.06, 3859201.99	0.02957	0.0292	4.49E-03	4.62E-03	4.23E-03	4.34E-03	4.09E-03	1.19E-03	1.18E-03	2.37E-03	1.16E-03	1.15E-03	2.31E-03	1.15E-03	1.13E-03	2.28E-03
1855 494361.06, 3859201.99	0.02936	0.02904	4.46E-03	4.60E-03	4.20E-03	4.30E-03	4.06E-03	1.18E-03	1.17E-03	2.35E-03	1.15E-03	1.14E-03	2.29E-03	1.14E-03	1.13E-03	2.26E-03
1856 494411.06, 3859201.99	0.02906	0.02881	4.42E-03	4.56E-03	4.16E-03	4.26E-03	4.02E-03	1.17E-03	1.16E-03	2.33E-03	1.14E-03	1.13E-03	2.27E-03	1.13E-03	1.12E-03	2.24E-03
1857 494461.06, 3859201.99	0.0286	0.02856	4.35E-03	4.52E-03	4.09E-03	4.19E-03	3.96E-03	1.15E-03	1.15E-03	2.30E-03	1.12E-03	1.12E-03	2.24E-03	1.11E-03	1.11E-03	2.21E-03
1858 494511.06, 3859201.99	0.02834	0.02835	4.31E-03	4.49E-03	4.06E-03	4.16E-03	3.92E-03	1.14E-03	1.14E-03	2.28E-03	1.11E-03	1.11E-03	2.23E-03	1.10E-03	1.10E-03	2.20E-03
1859 494561.06, 3859201.99	0.02797	0.02793	4.25E-03	4.42E-03	4.00E-03	4.10E-03	3.87E-03	1.13E-03	1.12E-03	2.25E-03	1.10E-03	1.10E-03	2.20E-03	1.08E-03	1.08E-03	2.17E-03
1860 494611.06, 3859201.99	0.02742	0.02767	4.17E-03	4.38E-03	3.93E-03	4.02E-03	3.79E-03	1.10E-03	1.11E-03	2.22E-03	1.08E-03	1.09E-03	2.16E-03	1.06E-03	1.07E-03	2.13E-03
1861 494661.06, 3859201.99	0.02701	0.02743	4.10E-03	4.34E-03	3.87E-03	3.96E-03	3.74E-03	1.09E-03	1.10E-03	2.19E-03	1.06E-03	1.08E-03	2.14E-03	1.05E-03	1.06E-03	2.11E-03
1862 494711.06, 3859201.99	0.02662	0.02716	4.04E-03	4.30E-03	3.81E-03	3.90E-03	3.68E-03	1.07E-03	1.09E-03	2.16E-03	1.05E-03	1.07E-03	2.11E-03	1.03E-03	1.05E-03	2.08E-03
1863 494761.06, 3859201.99	0.02593	0.02661	3.94E-03	4.21E-03	3.71E-03	3.80E-03	3.59E-03	1.04E-03	1.07E-03	2.11E-03	1.02E-03	1.04E-03	2.06E-03	1.00E-03	1.03E-03	2.04E-03
1864 494811.06, 3859201.99	0.0254	0.02613	3.86E-03	4.14E-03	3.64E-03	3.72E-03	3.51E-03	1.02E-03	1.05E-03	2.07E-03	9.97E-04	1.03E-03	2.02E-03	9.84E-04	1.01E-03	2.00E-03
1865 494861.06, 3859201.99	0.02487	0.02534	3.78E-03	4.01E-03	3.56E-03	3.65E-03	3.44E-03	1.00E-03	1.02E-03	2.02E-03	9.77E-04	9.95E-04	1.97E-03	9.64E-04	9.82E-04	1.95E-03
1866 494911.06, 3859201.99	0.02413	0.02477	3.67E-03	3.92E-03	3.45E-03	3.54E-03	3.34E-03	9.71E-04	9.97E-04	1.97E-03	9.48E-04	9.73E-04	1.92E-03	9.35E-04	9.60E-04	1.89E-03
1867 494961.06, 3859201.99	0.02332	0.02399	3.54E-03	3.80E-03	3.34E-03	3.42E-03	3.23E-03	9.38E-04	9.65E-04	1.90E-03	9.16E-04	9.42E-04	1.86E-03	9.04E-04	9.30E-04	1.83E-03
1868 495011.06, 3859201.99	0.02228	0.02333	3.39E-03	3.69E-03	3.19E-03	3.27E-03	3.08E-03	8.97E-04	9.39E-04	1.84E-03	8.75E-04	9.16E-04	1.79E-03	8.63E-04	9.04E-04	1.77E-03
1869 495061.06, 3859201.99	0.02231	0.0236	3.39E-03	3.74E-03	3.19E-03	3.27E-03	3.09E-03	8.98E-04	9.50E-04	1.85E-03	8.76E-04	9.27E-04	1.80E-03	8.64E-04	9.14E-04	1.78E-03
1870 495111.06, 3859201.99	0.02231	0.02353	3.39E-03	3.73E-03	3.19E-03	3.27E-03	3.09E-03	8.98E-04	9.47E-04	1.84E-03	8.76E-04	9.24E-04	1.80E-03	8.64E-04	9.12E-04	1.78E-03
1871 495161.06, 3859201.99	0.02227	0.0235	3.38E-03	3.72E-03	3.19E-03	3.27E-03	3.08E-03	8.96E-04	9.46E-04	1.84E-03	8.75E-04	9.23E-04	1.80E-03	8.63E-04	9.11E-04	1.77E-03
1872 495211.06, 3859201.99	0.02212	0.0233	3.36E-03	3.69E-03	3.17E-03	3.24E-03	3.06E-03	8.90E-04	9.38E-04	1.83E-03	8.69E-04	9.15E-04	1.78E-03	8.57E-04	9.03E-04	1.76E-03
1873 495261.06, 3859201.99	0.02213	0.02319	3.36E-03	3.67E-03	3.17E-03	3.24E-03	3.06E-03	8.91E-04	9.33E-04	1.82E-03	8.69E-04	9.11E-04	1.78E-03	8.58E-04	8.99E-04	1.76E-03
1874 495311.06, 3859201.99	0.02209	0.02318	3.36E-03	3.67E-03	3.16E-03	3.24E-03	3.06E-03	8.89E-04	9.33E-04	1.82E-03	8.67E-04	9.10E-04	1.78E-03	8.56E-04	8.98E-04	1.75E-03
1875 495361.06, 3859201.99	0.02207	0.02319	3.35E-03	3.67E-03	3.16E-03	3.24E-03	3.05E-03	8.88E-04	9.33E-04	1.82E-03	8.67E-04	9.11E-04	1.78E-03	8.55E-04	8.99E-04	1.75E-03
1876 495411.06, 3859201.99	0.02215	0.02331	3.37E-03	3.69E-03	3.17E-03	3.25E-03	3.06E-03	8.91E-04	9.38E-04	1.83E-03	8.70E-04	9.15E-04	1.79E-03	8.58E-04	9.03E-04	1.76E-03
1877 495461.06, 3859201.99	0.02205	0.02324	3.35E-03	3.68E-03	3.16E-03	3.23E-03	3.05E-03	8.87E-04	9.35E-04	1.82E-03	8.66E-04	9.13E-04	1.78E-03	8.54E-04	9.01E-04	1.75E-03
1878 495511.06, 3859201.99	0.02192	0.02306	3.33E-03	3.65E-03	3.14E-03	3.21E-03	3.03E-03	8.82E-04	9.28E-04	1.81E-03	8.61E-04	9.06E-04	1.77E-03	8.49E-04	8.94E-04	1.74E-03
1879 495561.06, 3859201.99	0.02167	0.02278	3.29E-03	3.61E-03	3.10E-03	3.18E-03	3.00E-03	8.72E-04	9.17E-04	1.79E-03	8.51E-04	8.95E-04	1.75E-03	8.40E-04	8.83E-04	1.72E-03
1880 495611.06, 3859201.99	0.02143	0.02256	3.26E-03	3.57E-03	3.07E-03	3.14E-03	2.96E-03	8.62E-04	9.08E-04	1.77E-03	8.42E-04	8.86E-04	1.73E-03	8.30E-04	8.74E-04	1.70E-03
1881 495661.06, 3859201.99	0.02127	0.02241	3.23E-03	3.55E-03	3.05E-03	3.12E-03	2.94E-03	8.56E-04	9.02E-04	1.76E-03	8.35E-04	8.80E-04	1.72E-03	8.24E-04	8.68E-04	1.69E-03
1882 494311.06, 3859251.99	0.03077	0.03034	4.68E-03	4.80E-03	4.41E-03	4.51E-03	4.26E-03	1.24E-03	1.22E-03	2.46E-03	1.21E-03	1.19E-03	2.40E-03	1.19E-03	1.18E-03	2.37E-03
1883 494361.06, 3859251.99	0.03037	0.02996	4.61E-03	4.74E-03	4.35E-03	4.45E-03	4.20E-03	1.22E-03	1.21E-03	2.43E-03	1.19E-03	1.18E-03	2.37E-03	1.18E-03	1.16E-03	2.34E-03
1884 494411.06, 3859251.99	0.02983	0.0294	4.53E-03	4.65E-03	4.27E-03	4.37E-03	4.13E-03	1.20E-03	1.18E-03	2.38E-03	1.17E-03	1.15E-03	2.33E-03	1.16E-03	1.14E-03	2.30E-03
1885 494461.06, 3859251.99	0.02953	0.02904	4.49E-03	4.60E-03	4.23E-03	4.33E-03	4.08E-03	1.19E-03	1.17E-03	2.36E-03	1.16E-03	1.14E-03	2.30E-03	1.14E-03	1.13E-03	2.27E-03
1886 494511.06, 3859251.99	0.02901	0.02865	4.41E-03	4.54E-03	4.15E-03	4.25E-03	4.01E-03	1.17E-03	1.15E-03	2.32E-03	1.14E-03	1.13E-03	2.26E-03	1.12E-03	1.11E-03	2.23E-03
1887 494561.06, 3859251.99	0.02869	0.02836	4.36E-03	4.49E-03	4.11E-03	4.21E-03	3.97E-03	1.15E-03	1.14E-03	2.30E-03	1.13E-03	1.11E-03	2.24E-03	1.11E-03	1.10E-03	2.21E-03
1888 494611.06, 3859251.99	0.02829	0.02796	4.30E-03	4.43E-03	4.05E-03	4.15E-03	3.91E-03	1.14E-03	1.13E-03	2.26E-03	1.11E-03	1.10E-03	2.21E-03	1.10E-03	1.08E-03	2.18E-03
1889 494661.06, 3859251.99	0.02816	0.02777	4.28E-03	4.40E-03	4.03E-03	4.13E-03	3.89E-03	1.13E-03	1.12E-03	2.25E-03	1.11E-03	1.09E-03	2.20E-03	1.09E-03	1.08E-03	2.17E-03
1890 494711.06, 3859251.99	0.02783	0.0275	4.23E-03	4.35E-03	3.98E-03	4.08E-03	3.85E-03	1.12E-03	1.11E-03	2.23E-03	1.09E-03	1.08E-03	2.17E-03	1.08E-03	1.07E-03	2.14E-03
1891 494761.06, 3859251.99	0.02637	0.02652	4.01E-03	4.20E-03	3.78E-03	3.87E-03	3.65E-03	1.06E-03	1.07E-03	2.13E-03	1.04E-03	1.04E-03	2.08E-03	1.02E-03	1.03E-03	2.05E-03
1892 494811.06, 3859251.99	0.02647	0.02668	4.02E-03	4.22E-03	3.79E-03	3.88E-03	3.66E-03	1.07E-03	1.07E-03	2.14E-03	1.04E-03	1.05E-03	2.09E-03	1.03E-03	1.03E-03	2.06E-03
1893 494861.06, 3859251.99	0.02545	0.02549	3.87E-03	4.04E-03	3.64E-03	3.73E-03	3.52E-03	1.02E-03	1.03E-03	2.05E-03	9.99E-04	1.00E-03	2.00E-03	9.86E-04	9.88E-04	1.97E-03
1894 494911.06, 3859251.99	0.02497	0.02506	3.79E-03	3.97E-03	3.57E-03	3.66E-03	3.45E-03	1.00E-03	1.01E-03	2.01E-03	9.81E-04	9.84E-04	1.96E-03	9.68E-04	9.71E-04	1.94E-03
1895 494961.06, 3859251.99	0.02458	0.02468	3.73E-03	3.91E-03	3.52E-03	3.60E-03	3.40E-03	9.89E-04	9.93E-04	1.98E-03	9.65E-04	9.69E-04	1.93E-03	9.52E-04	9.56E-04	1.91E-03
1896 495011.06, 3859251.99	0.02395	0.02426	3.64E-03	3.84E-03	3.43E-03	3.51E-03	3.31E-03	9.64E-04	9.76E-04	1.94E-03	9.41E-04	9.53E-04	1.89E-03	9.28E-04	9.40E-04	1.87E-03
1897 495061.06, 3859251.99	0.02368	0.0243	3.60E-03	3.85E-03	3.39E-03	3.47E-03	3.28E-03	9.53E-04	9.78E-04	1.93E-03	9.30E-04	9.54E-04	1.88E-03	9.18E-04	9.42E-04	1.86E-03
1898 495111.06, 3859251.99	0.02327	0.02418	3.54E-03	3.83E-03	3.33E-03	3.41E-03	3.22E-03	9.36E-04	9.73E-04	1.91E-03	9.14E-04	9.50E-04	1.86E-03	9.02E-04	9.37E-04	1.84E-03
1899 495161.06, 3859251.99	0.0231	0.02409	3.51E-03	3.81E-03	3.31E-03	3.39E-03	3.19E-03	9.30E-04	9.69E-04	1.90E-03	9.07E-04	9.46E-04	1.85E-03	8.95E-04	9.33E-04	1.83E-03
1900 495211.06, 3859251.99	0.02294	0.02392	3.49E-03	3.79E-03	3.28E-03	3.36E-03	3.17E-03	9.23E-04	9.63E-04	1.89E-03	9.01E-04	9.39E-04	1.84E-03	8.89E-04	9.27E-04	1.82E-03
1901 495261.06, 3859251.99	0.02285	0.02375	3.47E-03	3.76E-03	3.27E-03	3.35E-03	3.16E-03	9.20E-04	9.56E-04	1.88E-03	8.97E-04	9.33E-04	1.83E-03	8.85E-04	9.20E-04	1.81E-03
1902 495311.06, 3859251.99	0.02293	0.02376	3.48E-03	3.76E-03	3.28E-03	3.36E-03	3.17E-03	9.23E-04	9.56E-04	1.88E-03	9.00E-04	9.33E-04	1.83E-03	8.89E-04	9.21E-04	1.81E-03
1903 495361.06, 3859251.99	0.02285	0.02371	3.47E-03	3.75E-03	3.27E-03	3.35E-03	3.16E-03	9.20E-04	9.54E-04	1.87E-03	8.97E-04	9.31E-04	1.83E-03	8.85E-04	9.19E-04	1.80E-03
1904 495411.06, 3859251.99	0.02291	0.0238	3.48E-03	3.77E-03	3.28E-03	3.36E-03	3.17E-03	9.22E-04	9.58E-04	1.88E-03	9.00E-04	9.35E-04	1.83E-03	8.88E-04	9.22E-04	1.81E-03
1905 495461.06, 3859251.99	0.02274	0.02374	3.46E-03	3.76E-03	3.26E-03	3.33E-03	3.15E-03	9.15E-04	9.55E-04	1.87E-03	8.93E-04	9.32E-04	1.83E-03	8.81E-04	9.20E-04	1.80E-03
1906 495511.06, 3859251.99	0.02242	0.02351	3.41E-03	3.72E-03	3.21E-03	3.29E-03	3.10E-03	9.02E-04	9.46E-04	1.85E-03	8.80E-04	9.23E-04	1.80E-03	8.69E-04	9.11E-04	1.78E-03
1907 495561.06, 3859251.99	0.02228	0.02339	3.39E-03	3.70E-03	3.19E-03	3.27E-03	3.08E-03	8.97E-04	9.41E-04	1.84E-03	8.75E-04	9.19E-04	1.79E-03	8.63E-04	9.06E-04	1.77E-03
1908 495611.06, 3859251.99	0.02207	0.0231	3.35E-03	3.66E-03	3.16E-03	3.24E-03	3.05E-03	8.88E-04	9.30E-04	1.82E-03	8.67E-04	9.07E-04	1.77E-03	8.55E-04	8.95E-04	1.75E-03
1909 495661.06, 3859251.99	0.0219	0.0229	3.33E-03	3.63E-03	3.14E-03	3.21E-03	3.03E-03	8.81E-04	9.22E-04	1.80E-03	8.60E-04	8.99E-04	1.76E-03	8.49E-04	8.87E-04	1.74E-03
1910 494311.06, 3859301.99	0.03224	0.03136	4.90E-03	4.97E-03	4.62E-03	4.73E-03	4.46E-03	1.30E-03	1.26E-03	2.56E-03	1.27E-03	1.23E-03	2.50E-03	1.25E-03	1.22E-03	2.46E-03

1911 494361.06, 3859301.99	0.03168	0.03093	4.81E-03	4.90E-03	4.54E-03	4.65E-03	4.38E-03	1.27E-03	1.24E-03	2.52E-03	1.24E-03	1.21E-03	2.46E-03	1.23E-03	1.20E-03	2.43E-03
1912 494411.06, 3859301.99	0.03105	0.03037	4.72E-03	4.81E-03	4.45E-03	4.55E-03	4.29E-03	1.25E-03	1.22E-03	2.47E-03	1.22E-03	1.19E-03	2.41E-03	1.20E-03	1.18E-03	2.38E-03
1913 494461.06, 3859301.99	0.03044	0.02983	4.63E-03	4.72E-03	4.36E-03	4.46E-03	4.21E-03	1.23E-03	1.20E-03	2.43E-03	1.20E-03	1.17E-03	2.37E-03	1.18E-03	1.16E-03	2.34E-03
1914 494511.06, 3859301.99	0.0299	0.02938	4.54E-03	4.65E-03	4.28E-03	4.38E-03	4.14E-03	1.20E-03	1.18E-03	2.39E-03	1.17E-03	1.15E-03	2.33E-03	1.16E-03	1.14E-03	2.30E-03
1915 494561.06, 3859301.99	0.02959	0.02896	4.50E-03	4.59E-03	4.24E-03	4.34E-03	4.09E-03	1.19E-03	1.17E-03	2.36E-03	1.16E-03	1.14E-03	2.30E-03	1.15E-03	1.12E-03	2.27E-03
1916 494611.06, 3859301.99	0.02923	0.02856	4.44E-03	4.52E-03	4.18E-03	4.29E-03	4.04E-03	1.18E-03	1.15E-03	2.33E-03	1.15E-03	1.12E-03	2.27E-03	1.13E-03	1.11E-03	2.24E-03
1917 494661.06, 3859301.99	0.02889	0.02828	4.39E-03	4.48E-03	4.14E-03	4.24E-03	4.00E-03	1.16E-03	1.14E-03	2.30E-03	1.13E-03	1.11E-03	2.25E-03	1.12E-03	1.10E-03	2.22E-03
1918 494711.06, 3859301.99	0.02847	0.02792	4.33E-03	4.42E-03	4.08E-03	4.17E-03	3.94E-03	1.15E-03	1.12E-03	2.27E-03	1.12E-03	1.10E-03	2.21E-03	1.10E-03	1.08E-03	2.19E-03
1919 494761.06, 3859301.99	0.02809	0.02755	4.27E-03	4.36E-03	4.02E-03	4.12E-03	3.89E-03	1.13E-03	1.11E-03	2.24E-03	1.10E-03	1.08E-03	2.18E-03	1.09E-03	1.07E-03	2.16E-03
1920 494811.06, 3859301.99	0.02728	0.02705	4.15E-03	4.28E-03	3.91E-03	4.00E-03	3.77E-03	1.10E-03	1.09E-03	2.19E-03	1.07E-03	1.06E-03	2.13E-03	1.06E-03	1.05E-03	2.11E-03
1921 494861.06, 3859301.99	0.02621	0.02613	3.98E-03	4.14E-03	3.75E-03	3.84E-03	3.63E-03	1.05E-03	1.05E-03	2.11E-03	1.03E-03	1.03E-03	2.06E-03	1.02E-03	1.01E-03	2.03E-03
1922 494911.06, 3859301.99	0.02584	0.02575	3.93E-03	4.08E-03	3.70E-03	3.79E-03	3.57E-03	1.04E-03	1.04E-03	2.08E-03	1.01E-03	1.01E-03	2.03E-03	1.00E-03	9.98E-04	2.00E-03
1923 494961.06, 3859301.99	0.02514	0.02477	3.82E-03	3.92E-03	3.60E-03	3.69E-03	3.48E-03	1.01E-03	9.97E-04	2.01E-03	9.87E-04	9.73E-04	1.96E-03	9.74E-04	9.60E-04	1.93E-03
1924 495011.06, 3859301.99	0.02491	0.02448	3.79E-03	3.88E-03	3.57E-03	3.65E-03	3.45E-03	1.00E-03	9.85E-04	1.99E-03	9.78E-04	9.61E-04	1.94E-03	9.65E-04	9.49E-04	1.91E-03
1925 495061.06, 3859301.99	0.02485	0.02467	3.78E-03	3.91E-03	3.56E-03	3.64E-03	3.44E-03	1.00E-03	9.93E-04	1.99E-03	9.76E-04	9.69E-04	1.94E-03	9.63E-04	9.56E-04	1.92E-03
1926 495111.06, 3859301.99	0.02429	0.02444	3.69E-03	3.87E-03	3.48E-03	3.56E-03	3.36E-03	9.78E-04	9.84E-04	1.96E-03	9.54E-04	9.60E-04	1.91E-03	9.41E-04	9.47E-04	1.89E-03
1927 495161.06, 3859301.99	0.02399	0.02453	3.65E-03	3.88E-03	3.43E-03	3.52E-03	3.32E-03	9.65E-04	9.87E-04	1.95E-03	9.42E-04	9.63E-04	1.91E-03	9.30E-04	9.51E-04	1.88E-03
1928 495211.06, 3859301.99	0.02381	0.02464	3.62E-03	3.90E-03	3.41E-03	3.49E-03	3.29E-03	9.58E-04	9.92E-04	1.95E-03	9.35E-04	9.68E-04	1.90E-03	9.23E-04	9.55E-04	1.88E-03
1929 495261.06, 3859301.99	0.02378	0.02448	3.61E-03	3.88E-03	3.40E-03	3.49E-03	3.29E-03	9.57E-04	9.85E-04	1.94E-03	9.34E-04	9.61E-04	1.90E-03	9.21E-04	9.49E-04	1.87E-03
1930 495311.06, 3859301.99	0.02358	0.02429	3.58E-03	3.85E-03	3.38E-03	3.46E-03	3.26E-03	9.49E-04	9.78E-04	1.93E-03	9.26E-04	9.54E-04	1.88E-03	9.14E-04	9.41E-04	1.85E-03
1931 495361.06, 3859301.99	0.02357	0.02421	3.58E-03	3.83E-03	3.37E-03	3.46E-03	3.26E-03	9.49E-04	9.74E-04	1.92E-03	9.26E-04	9.51E-04	1.88E-03	9.13E-04	9.38E-04	1.85E-03
1932 495411.06, 3859301.99	0.0235	0.02419	3.57E-03	3.83E-03	3.36E-03	3.45E-03	3.25E-03	9.46E-04	9.73E-04	1.92E-03	9.23E-04	9.50E-04	1.87E-03	9.11E-04	9.37E-04	1.85E-03
1933 495461.06, 3859301.99	0.02346	0.02419	3.56E-03	3.83E-03	3.36E-03	3.44E-03	3.24E-03	9.44E-04	9.73E-04	1.92E-03	9.21E-04	9.50E-04	1.87E-03	9.09E-04	9.37E-04	1.85E-03
1934 495511.06, 3859301.99	0.02317	0.02402	3.52E-03	3.80E-03	3.32E-03	3.40E-03	3.20E-03	9.32E-04	9.67E-04	1.90E-03	9.10E-04	9.43E-04	1.85E-03	8.98E-04	9.31E-04	1.83E-03
1935 495561.06, 3859301.99	0.02274	0.0237	3.46E-03	3.75E-03	3.26E-03	3.33E-03	3.15E-03	9.15E-04	9.54E-04	1.87E-03	8.93E-04	9.31E-04	1.82E-03	8.81E-04	9.18E-04	1.80E-03
1936 495611.06, 3859301.99	0.02258	0.0236	3.43E-03	3.74E-03	3.23E-03	3.31E-03	3.12E-03	9.09E-04	9.50E-04	1.86E-03	8.87E-04	9.27E-04	1.81E-03	8.75E-04	9.14E-04	1.79E-03
1937 495661.06, 3859301.99	0.02244	0.0234	3.41E-03	3.70E-03	3.21E-03	3.29E-03	3.10E-03	9.03E-04	9.42E-04	1.84E-03	8.81E-04	9.19E-04	1.80E-03	8.70E-04	9.07E-04	1.78E-03
1938 494311.06, 3859351.99	0.03389	0.0321	5.15E-03	5.08E-03	4.85E-03	4.97E-03	4.69E-03	1.36E-03	1.29E-03	2.66E-03	1.33E-03	1.26E-03	2.59E-03	1.31E-03	1.24E-03	2.56E-03
1939 494361.06, 3859351.99	0.03304	0.03151	5.02E-03	4.99E-03	4.73E-03	4.84E-03	4.57E-03	1.33E-03	1.27E-03	2.60E-03	1.30E-03	1.24E-03	2.53E-03	1.28E-03	1.22E-03	2.50E-03
1940 494411.06, 3859351.99	0.03205	0.03082	4.87E-03	4.88E-03	4.59E-03	4.70E-03	4.43E-03	1.29E-03	1.24E-03	2.53E-03	1.26E-03	1.21E-03	2.47E-03	1.24E-03	1.19E-03	2.44E-03
1941 494461.06, 3859351.99	0.03135	0.03037	4.76E-03	4.81E-03	4.49E-03	4.60E-03	4.34E-03	1.26E-03	1.22E-03	2.48E-03	1.23E-03	1.19E-03	2.42E-03	1.21E-03	1.18E-03	2.39E-03
1942 494511.06, 3859351.99	0.03084	0.0301	4.69E-03	4.77E-03	4.42E-03	4.52E-03	4.27E-03	1.24E-03	1.21E-03	2.45E-03	1.21E-03	1.18E-03	2.39E-03	1.20E-03	1.17E-03	2.36E-03
1943 494561.06, 3859351.99	0.03054	0.02988	4.64E-03	4.73E-03	4.37E-03	4.48E-03	4.22E-03	1.23E-03	1.20E-03	2.43E-03	1.20E-03	1.17E-03	2.37E-03	1.18E-03	1.16E-03	2.34E-03
1944 494611.06, 3859351.99	0.03016	0.02944	4.58E-03	4.66E-03	4.32E-03	4.42E-03	4.17E-03	1.21E-03	1.18E-03	2.40E-03	1.18E-03	1.16E-03	2.34E-03	1.17E-03	1.14E-03	2.31E-03
1945 494661.06, 3859351.99	0.02977	0.02892	4.52E-03	4.58E-03	4.26E-03	4.37E-03	4.12E-03	1.20E-03	1.16E-03	2.36E-03	1.17E-03	1.14E-03	2.30E-03	1.15E-03	1.12E-03	2.27E-03
1946 494711.06, 3859351.99	0.02928	0.02824	4.45E-03	4.47E-03	4.19E-03	4.29E-03	4.05E-03	1.18E-03	1.14E-03	2.31E-03	1.15E-03	1.11E-03	2.26E-03	1.13E-03	1.09E-03	2.23E-03
1947 494761.06, 3859351.99	0.02841	0.02756	4.32E-03	4.36E-03	4.07E-03	4.17E-03	3.93E-03	1.14E-03	1.11E-03	2.25E-03	1.12E-03	1.08E-03	2.20E-03	1.10E-03	1.07E-03	2.17E-03
1948 494811.06, 3859351.99	0.0275	0.0269	4.18E-03	4.26E-03	3.94E-03	4.03E-03	3.80E-03	1.11E-03	1.08E-03	2.19E-03	1.08E-03	1.06E-03	2.14E-03	1.07E-03	1.04E-03	2.11E-03
1949 494861.06, 3859351.99	0.02709	0.02664	4.12E-03	4.22E-03	3.88E-03	3.97E-03	3.75E-03	1.09E-03	1.07E-03	2.16E-03	1.06E-03	1.05E-03	2.11E-03	1.05E-03	1.03E-03	2.08E-03
1950 494911.06, 3859351.99	0.02685	0.02647	4.08E-03	4.19E-03	3.84E-03	3.94E-03	3.71E-03	1.08E-03	1.07E-03	2.15E-03	1.05E-03	1.04E-03	2.09E-03	1.04E-03	1.03E-03	2.07E-03
1951 494961.06, 3859351.99	0.02642	0.02608	4.01E-03	4.13E-03	3.78E-03	3.87E-03	3.65E-03	1.06E-03	1.05E-03	2.11E-03	1.04E-03	1.02E-03	2.06E-03	1.02E-03	1.01E-03	2.03E-03
1952 495011.06, 3859351.99	0.02617	0.02584	3.98E-03	4.09E-03	3.75E-03	3.84E-03	3.62E-03	1.05E-03	1.04E-03	2.09E-03	1.03E-03	1.01E-03	2.04E-03	1.01E-03	1.00E-03	2.02E-03
1953 495061.06, 3859351.99	0.02634	0.02607	4.00E-03	4.13E-03	3.77E-03	3.86E-03	3.64E-03	1.06E-03	1.05E-03	2.11E-03	1.03E-03	1.02E-03	2.06E-03	1.02E-03	1.01E-03	2.03E-03
1954 495111.06, 3859351.99	0.02581	0.02578	3.92E-03	4.08E-03	3.69E-03	3.78E-03	3.57E-03	1.04E-03	1.04E-03	2.08E-03	1.01E-03	1.01E-03	2.03E-03	1.00E-03	9.99E-04	2.00E-03
1955 495161.06, 3859351.99	0.0254	0.02564	3.86E-03	4.06E-03	3.64E-03	3.72E-03	3.51E-03	1.02E-03	1.03E-03	2.05E-03	9.97E-04	1.01E-03	2.00E-03	9.84E-04	9.94E-04	1.98E-03
1956 495211.06, 3859351.99	0.02498	0.02547	3.80E-03	4.03E-03	3.58E-03	3.66E-03	3.45E-03	1.01E-03	1.02E-03	2.03E-03	9.81E-04	1.00E-03	1.98E-03	9.68E-04	9.87E-04	1.95E-03
1957 495261.06, 3859351.99	0.02468	0.02546	3.75E-03	4.03E-03	3.53E-03	3.62E-03	3.41E-03	9.93E-04	1.02E-03	2.02E-03	9.69E-04	1.00E-03	1.97E-03	9.56E-04	9.87E-04	1.94E-03
1958 495311.06, 3859351.99	0.0244	0.02511	3.71E-03	3.98E-03	3.49E-03	3.58E-03	3.37E-03	9.82E-04	1.01E-03	1.99E-03	9.58E-04	9.86E-04	1.94E-03	9.45E-04	9.73E-04	1.92E-03
1959 495361.06, 3859351.99	0.02428	0.02491	3.69E-03	3.94E-03	3.48E-03	3.56E-03	3.36E-03	9.77E-04	1.00E-03	1.98E-03	9.53E-04	9.78E-04	1.93E-03	9.41E-04	9.65E-04	1.91E-03
1960 495411.06, 3859351.99	0.02422	0.02485	3.68E-03	3.93E-03	3.47E-03	3.55E-03	3.35E-03	9.75E-04	1.00E-03	1.97E-03	9.51E-04	9.76E-04	1.93E-03	9.38E-04	9.63E-04	1.90E-03
1961 495461.06, 3859351.99	0.02421	0.02487	3.68E-03	3.94E-03	3.47E-03	3.55E-03	3.35E-03	9.74E-04	1.00E-03	1.98E-03	9.51E-04	9.77E-04	1.93E-03	9.38E-04	9.64E-04	1.90E-03
1962 495511.06, 3859351.99	0.02387	0.02456	3.63E-03	3.89E-03	3.42E-03	3.50E-03	3.30E-03	9.61E-04	9.88E-04	1.95E-03	9.37E-04	9.64E-04	1.90E-03	9.25E-04	9.52E-04	1.88E-03
1963 495561.06, 3859351.99	0.02353	0.02434	3.58E-03	3.85E-03	3.37E-03	3.45E-03	3.25E-03	9.47E-04	9.80E-04	1.93E-03	9.24E-04	9.56E-04	1.88E-03	9.12E-04	9.43E-04	1.85E-03
1964 495611.06, 3859351.99	0.02324	0.02422	3.53E-03	3.83E-03	3.33E-03	3.41E-03	3.21E-03	9.35E-04	9.75E-04	1.91E-03	9.13E-04	9.51E-04	1.86E-03	9.01E-04	9.38E-04	1.84E-03
1965 495661.06, 3859351.99	0.02294	0.0239	3.49E-03	3.78E-03	3.28E-03	3.36E-03	3.17E-03	9.23E-04	9.62E-04	1.88E-03	9.01E-04	9.39E-04	1.84E-03	8.89E-04	9.26E-04	1.81E-03
1966 494311.06, 3859401.99	0.03583	0.03393	5.44E-03	5.37E-03	5.13E-03	5.25E-03	4.96E-03	1.44E-03	1.37E-03	2.81E-03	1.41E-03	1.33E-03	2.74E-03	1.39E-03	1.31E-03	2.70E-03
1967 494361.06, 3859401.99	0.0346	0.0329	5.26E-03	5.21E-03	4.95E-03	5.07E-03	4.79E-03	1.39E-03	1.32E-03	2.72E-03	1.36E-03	1.29E-03	2.65E-03	1.34E-03	1.27E-03	2.62E-03
1968 494411.06, 3859401.99	0.03338	0.03173	5.07E-03	5.02E-03	4.78E-03	4.89E-03	4.62E-03	1.34E-03	1.28E-03	2.62E-03	1.31E-03	1.25E-03	2.56E-03	1.29E-03	1.23E-03	2.52E-03
1969 494461.06, 3859401.99	0.03251	0.03109	4.94E-03	4.92E-03	4.65E-03	4.77E-03	4.50E-03	1.31E-03	1.25E-03	2.56E-03	1.28E-03	1.22E-03	2.50E-03	1.26E-03	1.20E-03	2.46E-03
1970 494511.06, 3859401.99	0.03215	0.03078	4.89E-03	4.87E-03	4.60E-03	4.71E-03	4.45E-03	1.29E-03	1.24E-03	2.53E-03	1.26E-03	1.21E-03	2.47E-03	1.25E-03	1.19E-03	2.44E-03
1971 494561.06, 3859401.99	0.03173	0.03052	4.82E-03	4.83E-03	4.54E-03	4.65E-03	4.39E-03	1.28E-03	1.23E-03	2.51E-03	1.25E-03	1.20E-03	2.44E-03	1.23E-03	1.18E-03	2.41E-03
1972 494611.06, 3859401.99	0.0312	0.0301	4.74E-03	4.77E-03	4.47E-03	4.57E-03	4.32E-03	1.26E-03	1.21E-03	2.47E-03	1.23E-03	1.18E-03	2.41E-03	1.21E-03	1.17E-03	2.38E-03
1973 494661.06, 3859401.99	0.03088	0.02983	4.69E-03	4.72E-03	4.42E-03	4.53E-03	4.27E-03	1.24E-03	1.20E-03	2.44E-03	1.21E-03	1.17E-03	2.38E-03	1.20E-03	1.16E-03	2.35E-03
1974 494711.06, 3859401.99	0.03047	0.02944	4.63E-03	4.66E-03	4.36E-03	4.47E-03	4.21E-03	1.23E-03	1.18E-03	2.41E-03	1.20E-03	1.16E-03	2.35E-03	1.18E-03	1.14E-03	2.32E-03
1975 494761.06, 3859401.99	0.02943	0.02799	4.47E-03	4.43E-03	4.21E-03	4.32E-03	4.07E-03	1.18E-03	1.13E-03	2.31E-03	1.16E-03	1.10E-03	2.25E-03	1.14E-03	1.08E-03	2.22E-03
1976 494811.06, 3859401.99	0.02904	0.02778	4.41E-03	4.40E-03	4.16E-03	4.26E-03	4.02E-03	1.17E-03	1.12E-03	2.29E-03	1.14E-03	1.09E-03	2.23E-03	1.13E-03	1.08E-03	2.20E-03

1977 494861.06, 3859401.99	0.02826	0.0272	4.29E-03	4.31E-03	4.05E-03	4.14E-03	3.91E-03	1.14E-03	1.09E-03	2.23E-03	1.11E-03	1.07E-03	2.18E-03	1.10E-03	1.05E-03	2.15E-03
1978 494911.06, 3859401.99	0.02762	0.02663	4.20E-03	4.22E-03	3.95E-03	4.05E-03	3.82E-03	1.11E-03	1.07E-03	2.18E-03	1.08E-03	1.05E-03	2.13E-03	1.07E-03	1.03E-03	2.10E-03
1979 494961.06, 3859401.99	0.02758	0.02658	4.19E-03	4.21E-03	3.95E-03	4.04E-03	3.81E-03	1.11E-03	1.07E-03	2.18E-03	1.08E-03	1.04E-03	2.13E-03	1.07E-03	1.03E-03	2.10E-03
1980 495011.06, 3859401.99	0.02743	0.02648	4.17E-03	4.19E-03	3.93E-03	4.02E-03	3.79E-03	1.10E-03	1.07E-03	2.17E-03	1.08E-03	1.04E-03	2.12E-03	1.06E-03	1.03E-03	2.09E-03
1981 495061.06, 3859401.99	0.02716	0.02623	4.13E-03	4.15E-03	3.89E-03	3.98E-03	3.76E-03	1.09E-03	1.06E-03	2.15E-03	1.07E-03	1.03E-03	2.10E-03	1.05E-03	1.02E-03	2.07E-03
1982 495111.06, 3859401.99	0.02685	0.02596	4.08E-03	4.11E-03	3.84E-03	3.94E-03	3.71E-03	1.08E-03	1.04E-03	2.13E-03	1.05E-03	1.02E-03	2.07E-03	1.04E-03	1.01E-03	2.05E-03
1983 495161.06, 3859401.99	0.0267	0.02611	4.06E-03	4.13E-03	3.82E-03	3.91E-03	3.69E-03	1.07E-03	1.05E-03	2.13E-03	1.05E-03	1.03E-03	2.07E-03	1.03E-03	1.01E-03	2.05E-03
1984 495211.06, 3859401.99	0.02639	0.02609	4.01E-03	4.13E-03	3.78E-03	3.87E-03	3.65E-03	1.06E-03	1.05E-03	2.11E-03	1.04E-03	1.02E-03	2.06E-03	1.02E-03	1.01E-03	2.03E-03
1985 495261.06, 3859401.99	0.02592	0.02595	3.94E-03	4.11E-03	3.71E-03	3.80E-03	3.58E-03	1.04E-03	1.04E-03	2.09E-03	1.02E-03	1.02E-03	2.04E-03	1.00E-03	1.01E-03	2.01E-03
1986 495311.06, 3859401.99	0.02545	0.02577	3.87E-03	4.08E-03	3.64E-03	3.73E-03	3.52E-03	1.02E-03	1.04E-03	2.06E-03	9.99E-04	1.01E-03	2.01E-03	9.86E-04	9.99E-04	1.98E-03
1987 495361.06, 3859401.99	0.02529	0.02576	3.84E-03	4.08E-03	3.62E-03	3.71E-03	3.50E-03	1.02E-03	1.04E-03	2.05E-03	9.93E-04	1.01E-03	2.00E-03	9.80E-04	9.98E-04	1.98E-03
1988 495411.06, 3859401.99	0.02516	0.02547	3.82E-03	4.03E-03	3.60E-03	3.69E-03	3.48E-03	1.01E-03	1.02E-03	2.04E-03	9.88E-04	1.00E-03	1.99E-03	9.75E-04	9.87E-04	1.96E-03
1989 495461.06, 3859401.99	0.02493	0.02531	3.79E-03	4.01E-03	3.57E-03	3.66E-03	3.45E-03	1.00E-03	1.02E-03	2.02E-03	9.79E-04	9.94E-04	1.97E-03	9.66E-04	9.81E-04	1.95E-03
1990 495511.06, 3859401.99	0.0246	0.02501	3.74E-03	3.96E-03	3.52E-03	3.61E-03	3.40E-03	9.90E-04	1.01E-03	2.00E-03	9.66E-04	9.82E-04	1.95E-03	9.53E-04	9.69E-04	1.92E-03
1991 495561.06, 3859401.99	0.02421	0.02468	3.68E-03	3.91E-03	3.47E-03	3.55E-03	3.35E-03	9.74E-04	9.93E-04	1.97E-03	9.51E-04	9.69E-04	1.92E-03	9.38E-04	9.56E-04	1.89E-03
1992 495611.06, 3859401.99	0.02391	0.02452	3.63E-03	3.88E-03	3.42E-03	3.51E-03	3.31E-03	9.62E-04	9.87E-04	1.95E-03	9.39E-04	9.63E-04	1.90E-03	9.26E-04	9.50E-04	1.88E-03
1993 495661.06, 3859401.99	0.02364	0.0244	3.59E-03	3.86E-03	3.38E-03	3.47E-03	3.27E-03	9.51E-04	9.82E-04	1.93E-03	9.28E-04	9.58E-04	1.89E-03	9.16E-04	9.45E-04	1.86E-03
1994 494311.06, 3859451.99	0.03705	0.0351	5.63E-03	5.56E-03	5.30E-03	5.43E-03	5.12E-03	1.49E-03	1.41E-03	2.90E-03	1.45E-03	1.38E-03	2.83E-03	1.44E-03	1.36E-03	2.80E-03
1995 494361.06, 3859451.99	0.03607	0.03408	5.48E-03	5.40E-03	5.16E-03	5.29E-03	4.99E-03	1.45E-03	1.37E-03	2.82E-03	1.42E-03	1.34E-03	2.75E-03	1.40E-03	1.32E-03	2.72E-03
1996 494411.06, 3859451.99	0.03461	0.03252	5.26E-03	5.15E-03	4.95E-03	5.07E-03	4.79E-03	1.39E-03	1.31E-03	2.70E-03	1.36E-03	1.28E-03	2.64E-03	1.34E-03	1.26E-03	2.60E-03
1997 494461.06, 3859451.99	0.03418	0.03223	5.19E-03	5.10E-03	4.89E-03	5.01E-03	4.73E-03	1.38E-03	1.30E-03	2.67E-03	1.34E-03	1.27E-03	2.61E-03	1.32E-03	1.25E-03	2.57E-03
1998 494511.06, 3859451.99	0.03339	0.03152	5.07E-03	4.99E-03	4.78E-03	4.90E-03	4.62E-03	1.34E-03	1.27E-03	2.61E-03	1.31E-03	1.24E-03	2.55E-03	1.29E-03	1.22E-03	2.52E-03
1999 494561.06, 3859451.99	0.03275	0.03114	4.98E-03	4.93E-03	4.69E-03	4.80E-03	4.53E-03	1.32E-03	1.25E-03	2.57E-03	1.29E-03	1.22E-03	2.51E-03	1.27E-03	1.21E-03	2.48E-03
2000 494611.06, 3859451.99	0.0325	0.03101	4.94E-03	4.91E-03	4.65E-03	4.77E-03	4.49E-03	1.31E-03	1.25E-03	2.56E-03	1.28E-03	1.22E-03	2.49E-03	1.26E-03	1.20E-03	2.46E-03
2001 494661.06, 3859451.99	0.03177	0.03055	4.83E-03	4.84E-03	4.55E-03	4.66E-03	4.39E-03	1.28E-03	1.23E-03	2.51E-03	1.25E-03	1.20E-03	2.45E-03	1.23E-03	1.18E-03	2.41E-03
2002 494711.06, 3859451.99	0.03122	0.03	4.74E-03	4.75E-03	4.47E-03	4.58E-03	4.32E-03	1.26E-03	1.21E-03	2.46E-03	1.23E-03	1.18E-03	2.40E-03	1.21E-03	1.16E-03	2.37E-03
2003 494761.06, 3859451.99	0.03076	0.02958	4.67E-03	4.68E-03	4.40E-03	4.51E-03	4.25E-03	1.24E-03	1.19E-03	2.43E-03	1.21E-03	1.16E-03	2.37E-03	1.19E-03	1.15E-03	2.34E-03
2004 494811.06, 3859451.99	0.03016	0.02886	4.58E-03	4.57E-03	4.32E-03	4.42E-03	4.17E-03	1.21E-03	1.16E-03	2.38E-03	1.18E-03	1.13E-03	2.32E-03	1.17E-03	1.12E-03	2.29E-03
2005 494861.06, 3859451.99	0.02955	0.02819	4.49E-03	4.46E-03	4.23E-03	4.33E-03	4.09E-03	1.19E-03	1.13E-03	2.32E-03	1.16E-03	1.11E-03	2.27E-03	1.15E-03	1.09E-03	2.24E-03
2006 494911.06, 3859451.99	0.02912	0.02781	4.42E-03	4.40E-03	4.17E-03	4.27E-03	4.03E-03	1.17E-03	1.12E-03	2.29E-03	1.14E-03	1.09E-03	2.24E-03	1.13E-03	1.08E-03	2.21E-03
2007 494961.06, 3859451.99	0.02891	0.02764	4.39E-03	4.38E-03	4.14E-03	4.24E-03	4.00E-03	1.16E-03	1.11E-03	2.28E-03	1.14E-03	1.09E-03	2.22E-03	1.12E-03	1.07E-03	2.19E-03
2008 495011.06, 3859451.99	0.02855	0.02739	4.34E-03	4.34E-03	4.09E-03	4.19E-03	3.95E-03	1.15E-03	1.10E-03	2.25E-03	1.12E-03	1.08E-03	2.20E-03	1.11E-03	1.06E-03	2.17E-03
2009 495061.06, 3859451.99	0.02823	0.02709	4.29E-03	4.29E-03	4.04E-03	4.14E-03	3.90E-03	1.14E-03	1.09E-03	2.23E-03	1.11E-03	1.06E-03	2.17E-03	1.09E-03	1.05E-03	2.14E-03
2010 495111.06, 3859451.99	0.02794	0.0268	4.25E-03	4.24E-03	4.00E-03	4.10E-03	3.86E-03	1.12E-03	1.08E-03	2.20E-03	1.10E-03	1.05E-03	2.15E-03	1.08E-03	1.04E-03	2.12E-03
2011 495161.06, 3859451.99	0.02786	0.02671	4.23E-03	4.23E-03	3.99E-03	4.09E-03	3.85E-03	1.12E-03	1.07E-03	2.20E-03	1.09E-03	1.05E-03	2.14E-03	1.08E-03	1.03E-03	2.11E-03
2012 495211.06, 3859451.99	0.02773	0.0267	4.21E-03	4.23E-03	3.97E-03	4.07E-03	3.84E-03	1.12E-03	1.07E-03	2.19E-03	1.09E-03	1.05E-03	2.14E-03	1.07E-03	1.03E-03	2.11E-03
2013 495261.06, 3859451.99	0.02737	0.02668	4.16E-03	4.22E-03	3.92E-03	4.01E-03	3.79E-03	1.10E-03	1.07E-03	2.18E-03	1.07E-03	1.05E-03	2.12E-03	1.06E-03	1.03E-03	2.09E-03
2014 495311.06, 3859451.99	0.02687	0.02646	4.08E-03	4.19E-03	3.85E-03	3.94E-03	3.72E-03	1.08E-03	1.06E-03	2.15E-03	1.06E-03	1.04E-03	2.09E-03	1.04E-03	1.03E-03	2.07E-03
2015 495361.06, 3859451.99	0.02643	0.02632	4.02E-03	4.17E-03	3.78E-03	3.88E-03	3.66E-03	1.06E-03	1.06E-03	2.12E-03	1.04E-03	1.03E-03	2.07E-03	1.02E-03	1.02E-03	2.04E-03
2016 495411.06, 3859451.99	0.02594	0.02608	3.94E-03	4.13E-03	3.71E-03	3.80E-03	3.59E-03	1.04E-03	1.05E-03	2.09E-03	1.02E-03	1.02E-03	2.04E-03	1.01E-03	1.01E-03	2.02E-03
2017 495461.06, 3859451.99	0.02575	0.02582	3.91E-03	4.09E-03	3.69E-03	3.78E-03	3.56E-03	1.04E-03	1.04E-03	2.08E-03	1.01E-03	1.01E-03	2.03E-03	9.98E-04	1.00E-03	2.00E-03
2018 495511.06, 3859451.99	0.02529	0.02546	3.84E-03	4.03E-03	3.62E-03	3.71E-03	3.50E-03	1.02E-03	1.02E-03	2.04E-03	9.93E-04	1.00E-03	1.99E-03	9.80E-04	9.87E-04	1.97E-03
2019 495561.06, 3859451.99	0.02504	0.02522	3.80E-03	3.99E-03	3.58E-03	3.67E-03	3.46E-03	1.01E-03	1.01E-03	2.02E-03	9.83E-04	9.90E-04	1.97E-03	9.70E-04	9.77E-04	1.95E-03
2020 495611.06, 3859451.99	0.02474	0.02505	3.76E-03	3.97E-03	3.54E-03	3.63E-03	3.42E-03	9.96E-04	1.01E-03	2.00E-03	9.72E-04	9.84E-04	1.96E-03	9.59E-04	9.71E-04	1.93E-03
2021 495661.06, 3859451.99	0.02447	0.02491	3.72E-03	3.94E-03	3.50E-03	3.59E-03	3.38E-03	9.85E-04	1.00E-03	1.99E-03	9.61E-04	9.78E-04	1.94E-03	9.48E-04	9.65E-04	1.91E-03
2022 494311.06, 3859501.99	0.03864	0.03599	5.87E-03	5.70E-03	5.53E-03	5.67E-03	5.34E-03	1.55E-03	1.45E-03	3.00E-03	1.52E-03	1.41E-03	2.93E-03	1.50E-03	1.39E-03	2.89E-03
2023 494361.06, 3859501.99	0.03734	0.03514	5.67E-03	5.56E-03	5.35E-03	5.48E-03	5.16E-03	1.50E-03	1.41E-03	2.92E-03	1.47E-03	1.38E-03	2.85E-03	1.45E-03	1.36E-03	2.81E-03
2024 494411.06, 3859501.99	0.03572	0.03333	5.43E-03	5.28E-03	5.11E-03	5.24E-03	4.94E-03	1.44E-03	1.34E-03	2.78E-03	1.40E-03	1.31E-03	2.71E-03	1.38E-03	1.29E-03	2.68E-03
2025 494461.06, 3859501.99	0.03588	0.03359	5.45E-03	5.32E-03	5.14E-03	5.26E-03	4.96E-03	1.44E-03	1.35E-03	2.80E-03	1.41E-03	1.32E-03	2.73E-03	1.39E-03	1.30E-03	2.69E-03
2026 494511.06, 3859501.99	0.03492	0.03265	5.31E-03	5.17E-03	5.00E-03	5.12E-03	4.83E-03	1.41E-03	1.31E-03	2.72E-03	1.37E-03	1.28E-03	2.65E-03	1.35E-03	1.27E-03	2.62E-03
2027 494561.06, 3859501.99	0.03411	0.03196	5.18E-03	5.06E-03	4.88E-03	5.00E-03	4.72E-03	1.37E-03	1.29E-03	2.66E-03	1.34E-03	1.26E-03	2.59E-03	1.32E-03	1.24E-03	2.56E-03
2028 494611.06, 3859501.99	0.03442	0.03229	5.23E-03	5.11E-03	4.93E-03	5.05E-03	4.76E-03	1.39E-03	1.30E-03	2.68E-03	1.35E-03	1.27E-03	2.62E-03	1.33E-03	1.25E-03	2.58E-03
2029 494661.06, 3859501.99	0.03328	0.03142	5.06E-03	4.97E-03	4.76E-03	4.88E-03	4.60E-03	1.34E-03	1.26E-03	2.60E-03	1.31E-03	1.23E-03	2.54E-03	1.29E-03	1.22E-03	2.51E-03
2030 494711.06, 3859501.99	0.03206	0.03062	4.87E-03	4.85E-03	4.59E-03	4.70E-03	4.43E-03	1.29E-03	1.23E-03	2.52E-03	1.26E-03	1.20E-03	2.46E-03	1.24E-03	1.19E-03	2.43E-03
2031 494761.06, 3859501.99	0.03195	0.03059	4.85E-03	4.84E-03	4.57E-03	4.68E-03	4.42E-03	1.29E-03	1.23E-03	2.52E-03	1.25E-03	1.20E-03	2.46E-03	1.24E-03	1.19E-03	2.42E-03
2032 494811.06, 3859501.99	0.03088	0.02963	4.69E-03	4.69E-03	4.42E-03	4.53E-03	4.27E-03	1.24E-03	1.19E-03	2.44E-03	1.21E-03	1.16E-03	2.38E-03	1.20E-03	1.15E-03	2.34E-03
2033 494861.06, 3859501.99	0.03054	0.02931	4.64E-03	4.64E-03	4.37E-03	4.48E-03	4.22E-03	1.23E-03	1.18E-03	2.41E-03	1.20E-03	1.15E-03	2.35E-03	1.18E-03	1.14E-03	2.32E-03
2034 494911.06, 3859501.99	0.03036	0.02915	4.61E-03	4.62E-03	4.35E-03	4.45E-03	4.20E-03	1.22E-03	1.17E-03	2.39E-03	1.19E-03	1.14E-03	2.34E-03	1.18E-03	1.13E-03	2.31E-03
2035 494961.06, 3859501.99	0.02998	0.02872	4.56E-03	4.55E-03	4.29E-03	4.40E-03	4.15E-03	1.21E-03	1.16E-03	2.36E-03	1.18E-03	1.13E-03	2.31E-03	1.16E-03	1.11E-03	2.27E-03
2036 495011.06, 3859501.99	0.02981	0.02858	4.53E-03	4.53E-03	4.27E-03	4.37E-03	4.12E-03	1.20E-03	1.15E-03	2.35E-03	1.17E-03	1.12E-03	2.29E-03	1.16E-03	1.11E-03	2.26E-03
2037 495061.06, 3859501.99	0.02963	0.02845	4.50E-03	4.50E-03	4.24E-03	4.34E-03	4.10E-03	1.19E-03	1.14E-03	2.34E-03	1.16E-03	1.12E-03	2.28E-03	1.15E-03	1.10E-03	2.25E-03
2038 495111.06, 3859501.99	0.02914	0.02792	4.43E-03	4.42E-03	4.17E-03	4.27E-03	4.03E-03	1.17E-03	1.12E-03	2.30E-03	1.14E-03	1.10E-03	2.24E-03	1.13E-03	1.08E-03	2.21E-03
2039 495161.06, 3859501.99	0.02896	0.02779	4.40E-03	4.40E-03	4.15E-03	4.25E-03	4.01E-03	1.17E-03	1.12E-03	2.28E-03	1.14E-03	1.09E-03	2.23E-03	1.12E-03	1.08E-03	2.20E-03
2040 495211.06, 3859501.99	0.02891	0.02786	4.39E-03	4.41E-03	4.14E-03	4.24E-03	4.00E-03	1.16E-03	1.12E-03	2.28E-03	1.14E-03	1.09E-03	2.23E-03	1.12E-03	1.08E-03	2.20E-03
2041 495261.06, 3859501.99	0.02864	0.02769	4.35E-03	4.38E-03	4.10E-03	4.20E-03	3.96E-03	1.15E-03	1.11E-03	2.27E-03	1.12E-03	1.09E-03	2.21E-03	1.11E-03	1.07E-03	2.18E-03
2042 495311.06, 3859501.99	0.02823	0.02758	4.29E-03	4.37E-03	4.04E-03	4.14E-03	3.90E-03	1.14E-03	1.11E-03	2.25E-03	1.11E-03	1.08E-03	2.19E-03	1.09E-03	1.07E-03	2.16E-03

2043 495361.06, 3859501.99	0.02773	0.02734	4.21E-03	4.33E-03	3.97E-03	4.07E-03	3.84E-03	1.12E-03	1.10E-03	2.22E-03	1.09E-03	1.07E-03	2.16E-03	1.07E-03	1.06E-03	2.13E-03
2044 495411.06, 3859501.99	0.02725	0.02713	4.14E-03	4.30E-03	3.90E-03	4.00E-03	3.77E-03	1.10E-03	1.09E-03	2.19E-03	1.07E-03	1.07E-03	2.14E-03	1.06E-03	1.05E-03	2.11E-03
2045 495461.06, 3859501.99	0.02686	0.02681	4.08E-03	4.24E-03	3.85E-03	3.94E-03	3.71E-03	1.08E-03	1.08E-03	2.16E-03	1.05E-03	1.05E-03	2.11E-03	1.04E-03	1.04E-03	2.08E-03
2046 495511.06, 3859501.99	0.02584	0.02586	3.93E-03	4.09E-03	3.70E-03	3.79E-03	3.57E-03	1.04E-03	1.04E-03	2.08E-03	1.01E-03	1.02E-03	2.03E-03	1.00E-03	1.00E-03	2.00E-03
2047 495561.06, 3859501.99	0.02588	0.026	3.93E-03	4.12E-03	3.70E-03	3.79E-03	3.58E-03	1.04E-03	1.05E-03	2.09E-03	1.02E-03	1.02E-03	2.04E-03	1.00E-03	1.01E-03	2.01E-03
2048 495611.06, 3859501.99	0.02551	0.02567	3.88E-03	4.06E-03	3.65E-03	3.74E-03	3.53E-03	1.03E-03	1.03E-03	2.06E-03	1.00E-03	1.01E-03	2.01E-03	9.88E-04	9.95E-04	1.98E-03
2049 495661.06, 3859501.99	0.0252	0.02539	3.83E-03	4.02E-03	3.61E-03	3.70E-03	3.49E-03	1.01E-03	1.02E-03	2.04E-03	9.90E-04	9.97E-04	1.99E-03	9.76E-04	9.84E-04	1.96E-03
2050 494311.06, 3859551.99	0.04008	0.03669	6.09E-03	5.81E-03	5.74E-03	5.88E-03	5.54E-03	1.61E-03	1.48E-03	3.09E-03	1.57E-03	1.44E-03	3.01E-03	1.55E-03	1.42E-03	2.97E-03
2051 494361.06, 3859551.99	0.03815	0.03521	5.80E-03	5.57E-03	5.46E-03	5.59E-03	5.28E-03	1.54E-03	1.42E-03	2.95E-03	1.50E-03	1.38E-03	2.88E-03	1.48E-03	1.36E-03	2.84E-03
2052 494411.06, 3859551.99	0.03686	0.03421	5.60E-03	5.42E-03	5.28E-03	5.40E-03	5.10E-03	1.48E-03	1.38E-03	2.86E-03	1.45E-03	1.34E-03	2.79E-03	1.43E-03	1.33E-03	2.75E-03
2053 494461.06, 3859551.99	0.03696	0.03459	5.62E-03	5.48E-03	5.29E-03	5.42E-03	5.11E-03	1.49E-03	1.39E-03	2.88E-03	1.45E-03	1.36E-03	2.81E-03	1.43E-03	1.34E-03	2.77E-03
2054 494511.06, 3859551.99	0.03619	0.03406	5.50E-03	5.39E-03	5.18E-03	5.31E-03	5.01E-03	1.46E-03	1.37E-03	2.83E-03	1.42E-03	1.34E-03	2.76E-03	1.40E-03	1.32E-03	2.72E-03
2055 494561.06, 3859551.99	0.0356	0.03368	5.41E-03	5.33E-03	5.10E-03	5.22E-03	4.92E-03	1.43E-03	1.36E-03	2.79E-03	1.40E-03	1.32E-03	2.72E-03	1.38E-03	1.31E-03	2.68E-03
2056 494611.06, 3859551.99	0.03531	0.03349	5.37E-03	5.30E-03	5.05E-03	5.18E-03	4.88E-03	1.42E-03	1.35E-03	2.77E-03	1.39E-03	1.32E-03	2.70E-03	1.37E-03	1.30E-03	2.67E-03
2057 494661.06, 3859551.99	0.03478	0.03306	5.28E-03	5.23E-03	4.98E-03	5.10E-03	4.81E-03	1.40E-03	1.33E-03	2.73E-03	1.37E-03	1.30E-03	2.66E-03	1.35E-03	1.28E-03	2.63E-03
2058 494711.06, 3859551.99	0.03267	0.03087	4.96E-03	4.89E-03	4.68E-03	4.79E-03	4.52E-03	1.31E-03	1.24E-03	2.56E-03	1.28E-03	1.21E-03	2.50E-03	1.27E-03	1.20E-03	2.46E-03
2059 494761.06, 3859551.99	0.0332	0.03154	5.04E-03	4.99E-03	4.75E-03	4.87E-03	4.59E-03	1.34E-03	1.27E-03	2.61E-03	1.30E-03	1.24E-03	2.54E-03	1.29E-03	1.22E-03	2.51E-03
2060 494811.06, 3859551.99	0.03199	0.03045	4.86E-03	4.82E-03	4.58E-03	4.69E-03	4.42E-03	1.29E-03	1.23E-03	2.51E-03	1.26E-03	1.20E-03	2.45E-03	1.24E-03	1.18E-03	2.42E-03
2061 494861.06, 3859551.99	0.03164	0.03026	4.81E-03	4.79E-03	4.53E-03	4.64E-03	4.38E-03	1.27E-03	1.22E-03	2.49E-03	1.24E-03	1.19E-03	2.43E-03	1.23E-03	1.17E-03	2.40E-03
2062 494911.06, 3859551.99	0.03125	0.02993	4.75E-03	4.74E-03	4.47E-03	4.58E-03	4.32E-03	1.26E-03	1.20E-03	2.46E-03	1.23E-03	1.18E-03	2.40E-03	1.21E-03	1.16E-03	2.37E-03
2063 494961.06, 3859551.99	0.03104	0.02981	4.72E-03	4.72E-03	4.44E-03	4.55E-03	4.29E-03	1.25E-03	1.20E-03	2.45E-03	1.22E-03	1.17E-03	2.39E-03	1.20E-03	1.16E-03	2.36E-03
2064 495011.06, 3859551.99	0.03089	0.02973	4.69E-03	4.71E-03	4.42E-03	4.53E-03	4.27E-03	1.24E-03	1.20E-03	2.44E-03	1.21E-03	1.17E-03	2.38E-03	1.20E-03	1.15E-03	2.35E-03
2065 495061.06, 3859551.99	0.03057	0.0295	4.65E-03	4.67E-03	4.38E-03	4.48E-03	4.23E-03	1.23E-03	1.19E-03	2.42E-03	1.20E-03	1.16E-03	2.36E-03	1.18E-03	1.14E-03	2.33E-03
2066 495111.06, 3859551.99	0.03021	0.02912	4.59E-03	4.61E-03	4.32E-03	4.43E-03	4.18E-03	1.22E-03	1.17E-03	2.39E-03	1.19E-03	1.14E-03	2.33E-03	1.17E-03	1.13E-03	2.30E-03
2067 495161.06, 3859551.99	0.03008	0.02903	4.57E-03	4.60E-03	4.31E-03	4.41E-03	4.16E-03	1.21E-03	1.17E-03	2.38E-03	1.18E-03	1.14E-03	2.32E-03	1.17E-03	1.12E-03	2.29E-03
2068 495211.06, 3859551.99	0.03	0.02902	4.56E-03	4.59E-03	4.29E-03	4.40E-03	4.15E-03	1.21E-03	1.17E-03	2.38E-03	1.18E-03	1.14E-03	2.32E-03	1.16E-03	1.12E-03	2.29E-03
2069 495261.06, 3859551.99	0.02969	0.0287	4.51E-03	4.54E-03	4.25E-03	4.35E-03	4.11E-03	1.19E-03	1.15E-03	2.35E-03	1.17E-03	1.13E-03	2.29E-03	1.15E-03	1.11E-03	2.26E-03
2070 495311.06, 3859551.99	0.02937	0.02847	4.46E-03	4.51E-03	4.20E-03	4.31E-03	4.06E-03	1.18E-03	1.15E-03	2.33E-03	1.15E-03	1.12E-03	2.27E-03	1.14E-03	1.10E-03	2.24E-03
2071 495361.06, 3859551.99	0.02891	0.02831	4.39E-03	4.48E-03	4.14E-03	4.24E-03	4.00E-03	1.16E-03	1.14E-03	2.30E-03	1.14E-03	1.11E-03	2.25E-03	1.12E-03	1.10E-03	2.22E-03
2072 495411.06, 3859551.99	0.0285	0.0282	4.33E-03	4.46E-03	4.08E-03	4.18E-03	3.94E-03	1.15E-03	1.13E-03	2.28E-03	1.12E-03	1.11E-03	2.23E-03	1.10E-03	1.09E-03	2.20E-03
2073 495461.06, 3859551.99	0.02784	0.02779	4.23E-03	4.40E-03	3.99E-03	4.08E-03	3.85E-03	1.12E-03	1.12E-03	2.24E-03	1.09E-03	1.09E-03	2.18E-03	1.08E-03	1.08E-03	2.16E-03
2074 495511.06, 3859551.99	0.02721	0.02732	4.13E-03	4.33E-03	3.90E-03	3.99E-03	3.76E-03	1.10E-03	1.10E-03	2.19E-03	1.07E-03	1.07E-03	2.14E-03	1.05E-03	1.06E-03	2.11E-03
2075 495561.06, 3859551.99	0.0269	0.02707	4.09E-03	4.29E-03	3.85E-03	3.94E-03	3.72E-03	1.08E-03	1.09E-03	2.17E-03	1.06E-03	1.06E-03	2.12E-03	1.04E-03	1.05E-03	2.09E-03
2076 495611.06, 3859551.99	0.02658	0.02669	4.04E-03	4.23E-03	3.81E-03	3.90E-03	3.68E-03	1.07E-03	1.07E-03	2.14E-03	1.04E-03	1.05E-03	2.09E-03	1.03E-03	1.03E-03	2.06E-03
2077 495661.06, 3859551.99	0.02619	0.02633	3.98E-03	4.17E-03	3.75E-03	3.84E-03	3.62E-03	1.05E-03	1.06E-03	2.11E-03	1.03E-03	1.03E-03	2.06E-03	1.01E-03	1.02E-03	2.04E-03
2078 494311.06, 3859601.99	0.04173	0.03837	6.34E-03	6.08E-03	5.97E-03	6.12E-03	5.77E-03	1.68E-03	1.54E-03	3.22E-03	1.64E-03	1.51E-03	3.15E-03	1.62E-03	1.49E-03	3.10E-03
2079 494361.06, 3859601.99	0.03884	0.03597	5.90E-03	5.70E-03	5.56E-03	5.70E-03	5.37E-03	1.56E-03	1.45E-03	3.01E-03	1.53E-03	1.41E-03	2.94E-03	1.50E-03	1.39E-03	2.90E-03
2080 494411.06, 3859601.99	0.03808	0.03539	5.79E-03	5.60E-03	5.45E-03	5.58E-03	5.27E-03	1.53E-03	1.42E-03	2.96E-03	1.50E-03	1.39E-03	2.89E-03	1.48E-03	1.37E-03	2.85E-03
2081 494461.06, 3859601.99	0.03822	0.03559	5.81E-03	5.64E-03	5.47E-03	5.60E-03	5.29E-03	1.54E-03	1.43E-03	2.97E-03	1.50E-03	1.40E-03	2.90E-03	1.48E-03	1.38E-03	2.86E-03
2082 494511.06, 3859601.99	0.03704	0.03478	5.63E-03	5.51E-03	5.30E-03	5.43E-03	5.12E-03	1.49E-03	1.40E-03	2.89E-03	1.45E-03	1.37E-03	2.82E-03	1.44E-03	1.35E-03	2.78E-03
2083 494561.06, 3859601.99	0.03698	0.03482	5.62E-03	5.51E-03	5.29E-03	5.42E-03	5.11E-03	1.49E-03	1.40E-03	2.89E-03	1.45E-03	1.37E-03	2.82E-03	1.43E-03	1.35E-03	2.78E-03
2084 494611.06, 3859601.99	0.03674	0.03468	5.58E-03	5.49E-03	5.26E-03	5.39E-03	5.08E-03	1.48E-03	1.40E-03	2.87E-03	1.44E-03	1.36E-03	2.80E-03	1.42E-03	1.34E-03	2.77E-03
2085 494661.06, 3859601.99	0.03516	0.03351	5.34E-03	5.31E-03	5.03E-03	5.16E-03	4.86E-03	1.41E-03	1.35E-03	2.76E-03	1.38E-03	1.32E-03	2.70E-03	1.36E-03	1.30E-03	2.66E-03
2086 494711.06, 3859601.99	0.03404	0.03266	5.17E-03	5.17E-03	4.87E-03	4.99E-03	4.71E-03	1.37E-03	1.31E-03	2.68E-03	1.34E-03	1.28E-03	2.62E-03	1.32E-03	1.27E-03	2.58E-03
2087 494761.06, 3859601.99	0.03503	0.03357	5.32E-03	5.32E-03	5.01E-03	5.14E-03	4.84E-03	1.41E-03	1.35E-03	2.76E-03	1.38E-03	1.32E-03	2.69E-03	1.36E-03	1.30E-03	2.66E-03
2088 494811.06, 3859601.99	0.03342	0.03229	5.08E-03	5.11E-03	4.78E-03	4.90E-03	4.62E-03	1.34E-03	1.30E-03	2.64E-03	1.31E-03	1.27E-03	2.58E-03	1.29E-03	1.25E-03	2.55E-03
2089 494861.06, 3859601.99	0.03299	0.03191	5.01E-03	5.05E-03	4.72E-03	4.84E-03	4.56E-03	1.33E-03	1.28E-03	2.61E-03	1.30E-03	1.25E-03	2.55E-03	1.28E-03	1.24E-03	2.51E-03
2090 494911.06, 3859601.99	0.03224	0.03091	4.90E-03	4.89E-03	4.62E-03	4.73E-03	4.46E-03	1.30E-03	1.24E-03	2.54E-03	1.27E-03	1.21E-03	2.48E-03	1.25E-03	1.20E-03	2.45E-03
2091 494961.06, 3859601.99	0.03239	0.03136	4.92E-03	4.97E-03	4.64E-03	4.75E-03	4.48E-03	1.30E-03	1.26E-03	2.57E-03	1.27E-03	1.23E-03	2.50E-03	1.26E-03	1.22E-03	2.47E-03
2092 495011.06, 3859601.99	0.03173	0.03039	4.82E-03	4.81E-03	4.54E-03	4.65E-03	4.39E-03	1.28E-03	1.22E-03	2.50E-03	1.25E-03	1.19E-03	2.44E-03	1.23E-03	1.18E-03	2.41E-03
2093 495061.06, 3859601.99	0.0317	0.03043	4.82E-03	4.82E-03	4.54E-03	4.65E-03	4.38E-03	1.28E-03	1.22E-03	2.50E-03	1.24E-03	1.19E-03	2.44E-03	1.23E-03	1.18E-03	2.41E-03
2094 495111.06, 3859601.99	0.03123	0.03006	4.75E-03	4.76E-03	4.47E-03	4.58E-03	4.32E-03	1.26E-03	1.21E-03	2.47E-03	1.23E-03	1.18E-03	2.41E-03	1.21E-03	1.16E-03	2.37E-03
2095 495161.06, 3859601.99	0.03112	0.03	4.73E-03	4.75E-03	4.46E-03	4.56E-03	4.30E-03	1.25E-03	1.21E-03	2.46E-03	1.22E-03	1.18E-03	2.40E-03	1.21E-03	1.16E-03	2.37E-03
2096 495211.06, 3859601.99	0.03087	0.02981	4.69E-03	4.72E-03	4.42E-03	4.53E-03	4.27E-03	1.24E-03	1.20E-03	2.44E-03	1.21E-03	1.17E-03	2.38E-03	1.20E-03	1.16E-03	2.35E-03
2097 495261.06, 3859601.99	0.0307	0.02968	4.66E-03	4.70E-03	4.40E-03	4.50E-03	4.25E-03	1.24E-03	1.19E-03	2.43E-03	1.21E-03	1.17E-03	2.37E-03	1.19E-03	1.15E-03	2.34E-03
2098 495311.06, 3859601.99	0.03058	0.02959	4.65E-03	4.69E-03	4.38E-03	4.48E-03	4.23E-03	1.23E-03	1.19E-03	2.42E-03	1.20E-03	1.16E-03	2.36E-03	1.18E-03	1.15E-03	2.33E-03
2099 495361.06, 3859601.99	0.0302	0.02933	4.59E-03	4.64E-03	4.32E-03	4.43E-03	4.18E-03	1.22E-03	1.18E-03	2.40E-03	1.19E-03	1.15E-03	2.34E-03	1.17E-03	1.14E-03	2.31E-03
2100 495411.06, 3859601.99	0.02983	0.02925	4.53E-03	4.63E-03	4.27E-03	4.37E-03	4.13E-03	1.20E-03	1.18E-03	2.38E-03	1.17E-03	1.15E-03	2.32E-03	1.16E-03	1.13E-03	2.29E-03
2101 495461.06, 3859601.99	0.02904	0.02867	4.41E-03	4.54E-03	4.16E-03	4.26E-03	4.02E-03	1.17E-03	1.15E-03	2.32E-03	1.14E-03	1.13E-03	2.27E-03	1.13E-03	1.11E-03	2.24E-03
2102 495511.06, 3859601.99	0.02836	0.02819	4.31E-03	4.46E-03	4.06E-03	4.16E-03	3.92E-03	1.14E-03	1.13E-03	2.28E-03	1.11E-03	1.11E-03	2.22E-03	1.10E-03	1.09E-03	2.19E-03
2103 495561.06, 3859601.99	0.02835	0.0281	4.31E-03	4.45E-03	4.06E-03	4.16E-03	3.92E-03	1.14E-03	1.13E-03	2.27E-03	1.11E-03	1.10E-03	2.22E-03	1.10E-03	1.09E-03	2.19E-03
2104 495611.06, 3859601.99	0.02754	0.02748	4.18E-03	4.35E-03	3.94E-03	4.04E-03	3.81E-03	1.11E-03	1.11E-03	2.21E-03	1.08E-03	1.08E-03	2.16E-03	1.07E-03	1.06E-03	2.13E-03
2105 495661.06, 3859601.99	0.0274	0.02716	4.16E-03	4.30E-03	3.92E-03	4.02E-03	3.79E-03	1.10E-03	1.09E-03	2.20E-03	1.08E-03	1.07E-03	2.14E-03	1.06E-03	1.05E-03	2.11E-03
2106 494311.06, 3859651.99	0.04221	0.0398	6.41E-03	6.30E-03	6.04E-03	6.19E-03	5.84E-03	1.70E-03	1.60E-03	3.30E-03	1.66E-03	1.56E-03	3.22E-03	1.64E-03	1.54E-03	3.18E-03
2107 494361.06, 3859651.99	0.04008	0.03745	6.09E-03	5.93E-03	5.74E-03	5.88E-03	5.54E-03	1.61E-03	1.51E-03	3.12E-03	1.57E-03	1.47E-03	3.04E-03	1.55E-03	1.45E-03	3.00E-03
2108 494411.06, 3859651.99	0.03943	0.03687	5.99E-03	5.84E-03	5.64E-03	5.78E-03	5.45E-03	1.59E-03	1.48E-03	3.07E-03	1.55E-03	1.45E-03	3.00E-03	1.53E-03	1.43E-03	2.96E-03

2109 494461.06, 3859651.99	0.03963	0.03736	6.02E-03	5.92E-03	5.67E-03	5.81E-03	5.48E-03	1.59E-03	1.50E-03	3.10E-03	1.56E-03	1.47E-03	3.02E-03	1.54E-03	1.45E-03	2.98E-03
2110 494511.06, 3859651.99	0.03898	0.03663	5.92E-03	5.80E-03	5.58E-03	5.72E-03	5.39E-03	1.57E-03	1.47E-03	3.04E-03	1.53E-03	1.44E-03	2.97E-03	1.51E-03	1.42E-03	2.93E-03
2111 494561.06, 3859651.99	0.03848	0.03636	5.85E-03	5.76E-03	5.51E-03	5.64E-03	5.32E-03	1.55E-03	1.46E-03	3.01E-03	1.51E-03	1.43E-03	2.94E-03	1.49E-03	1.41E-03	2.90E-03
2112 494611.06, 3859651.99	0.03798	0.03602	5.77E-03	5.70E-03	5.44E-03	5.57E-03	5.25E-03	1.53E-03	1.45E-03	2.98E-03	1.49E-03	1.41E-03	2.91E-03	1.47E-03	1.40E-03	2.87E-03
2113 494661.06, 3859651.99	0.0364	0.03439	5.53E-03	5.45E-03	5.21E-03	5.34E-03	5.03E-03	1.46E-03	1.38E-03	2.85E-03	1.43E-03	1.35E-03	2.78E-03	1.41E-03	1.33E-03	2.74E-03
2114 494711.06, 3859651.99	0.03607	0.03421	5.48E-03	5.42E-03	5.16E-03	5.29E-03	4.99E-03	1.45E-03	1.38E-03	2.83E-03	1.42E-03	1.34E-03	2.76E-03	1.40E-03	1.33E-03	2.72E-03
2115 494761.06, 3859651.99	0.03591	0.03438	5.46E-03	5.44E-03	5.14E-03	5.27E-03	4.97E-03	1.45E-03	1.38E-03	2.83E-03	1.41E-03	1.35E-03	2.76E-03	1.39E-03	1.33E-03	2.72E-03
2116 494811.06, 3859651.99	0.03517	0.03382	5.34E-03	5.35E-03	5.03E-03	5.16E-03	4.86E-03	1.42E-03	1.36E-03	2.78E-03	1.38E-03	1.33E-03	2.71E-03	1.36E-03	1.31E-03	2.67E-03
2117 494861.06, 3859651.99	0.03478	0.03359	5.28E-03	5.32E-03	4.98E-03	5.10E-03	4.81E-03	1.40E-03	1.35E-03	2.75E-03	1.37E-03	1.32E-03	2.68E-03	1.35E-03	1.30E-03	2.65E-03
2118 494911.06, 3859651.99	0.03418	0.03317	5.19E-03	5.25E-03	4.89E-03	5.01E-03	4.73E-03	1.38E-03	1.33E-03	2.71E-03	1.34E-03	1.30E-03	2.64E-03	1.32E-03	1.29E-03	2.61E-03
2119 494961.06, 3859651.99	0.03375	0.03289	5.13E-03	5.21E-03	4.83E-03	4.95E-03	4.67E-03	1.36E-03	1.32E-03	2.68E-03	1.33E-03	1.29E-03	2.62E-03	1.31E-03	1.27E-03	2.58E-03
2120 495011.06, 3859651.99	0.03326	0.03251	5.05E-03	5.15E-03	4.76E-03	4.88E-03	4.60E-03	1.34E-03	1.31E-03	2.65E-03	1.31E-03	1.28E-03	2.58E-03	1.29E-03	1.26E-03	2.55E-03
2121 495061.06, 3859651.99	0.0331	0.03234	5.03E-03	5.12E-03	4.74E-03	4.85E-03	4.58E-03	1.33E-03	1.30E-03	2.63E-03	1.30E-03	1.27E-03	2.57E-03	1.28E-03	1.25E-03	2.54E-03
2122 495111.06, 3859651.99	0.0326	0.0319	4.95E-03	5.05E-03	4.67E-03	4.78E-03	4.51E-03	1.31E-03	1.28E-03	2.60E-03	1.28E-03	1.25E-03	2.53E-03	1.26E-03	1.24E-03	2.50E-03
2123 495161.06, 3859651.99	0.03235	0.03165	4.92E-03	5.01E-03	4.63E-03	4.74E-03	4.47E-03	1.30E-03	1.27E-03	2.58E-03	1.27E-03	1.24E-03	2.51E-03	1.25E-03	1.23E-03	2.48E-03
2124 495211.06, 3859651.99	0.03221	0.03151	4.89E-03	4.99E-03	4.61E-03	4.72E-03	4.45E-03	1.30E-03	1.27E-03	2.56E-03	1.26E-03	1.24E-03	2.50E-03	1.25E-03	1.22E-03	2.47E-03
2125 495261.06, 3859651.99	0.0319	0.03122	4.85E-03	4.94E-03	4.57E-03	4.68E-03	4.41E-03	1.28E-03	1.26E-03	2.54E-03	1.25E-03	1.23E-03	2.48E-03	1.24E-03	1.21E-03	2.45E-03
2126 495311.06, 3859651.99	0.03169	0.03103	4.82E-03	4.91E-03	4.54E-03	4.65E-03	4.38E-03	1.28E-03	1.25E-03	2.52E-03	1.24E-03	1.22E-03	2.46E-03	1.23E-03	1.20E-03	2.43E-03
2127 495361.06, 3859651.99	0.03152	0.03087	4.79E-03	4.89E-03	4.51E-03	4.62E-03	4.36E-03	1.27E-03	1.24E-03	2.51E-03	1.24E-03	1.21E-03	2.45E-03	1.22E-03	1.20E-03	2.42E-03
2128 495411.06, 3859651.99	0.03123	0.03057	4.75E-03	4.84E-03	4.47E-03	4.58E-03	4.32E-03	1.26E-03	1.23E-03	2.49E-03	1.23E-03	1.20E-03	2.43E-03	1.21E-03	1.18E-03	2.39E-03
2129 495461.06, 3859651.99	0.03046	0.02994	4.63E-03	4.74E-03	4.36E-03	4.47E-03	4.21E-03	1.23E-03	1.20E-03	2.43E-03	1.20E-03	1.18E-03	2.37E-03	1.18E-03	1.16E-03	2.34E-03
2130 495511.06, 3859651.99	0.02981	0.02932	4.53E-03	4.64E-03	4.27E-03	4.37E-03	4.12E-03	1.20E-03	1.18E-03	2.38E-03	1.17E-03	1.15E-03	2.32E-03	1.16E-03	1.14E-03	2.29E-03
2131 495561.06, 3859651.99	0.02963	0.02907	4.50E-03	4.60E-03	4.24E-03	4.34E-03	4.10E-03	1.19E-03	1.17E-03	2.36E-03	1.16E-03	1.14E-03	2.31E-03	1.15E-03	1.13E-03	2.27E-03
2132 495611.06, 3859651.99	0.02924	0.02859	4.44E-03	4.53E-03	4.19E-03	4.29E-03	4.04E-03	1.18E-03	1.15E-03	2.33E-03	1.15E-03	1.12E-03	2.27E-03	1.13E-03	1.11E-03	2.24E-03
2133 495661.06, 3859651.99	0.02876	0.02808	4.37E-03	4.45E-03	4.12E-03	4.22E-03	3.98E-03	1.16E-03	1.13E-03	2.29E-03	1.13E-03	1.10E-03	2.23E-03	1.11E-03	1.09E-03	2.20E-03
2134 494311.06, 3859701.99	0.04138	0.03869	6.29E-03	6.13E-03	5.92E-03	6.07E-03	5.72E-03	1.67E-03	1.56E-03	3.22E-03	1.62E-03	1.52E-03	3.14E-03	1.60E-03	1.50E-03	3.10E-03
2135 494361.06, 3859701.99	0.04082	0.0382	6.20E-03	6.05E-03	5.84E-03	5.99E-03	5.65E-03	1.64E-03	1.54E-03	3.18E-03	1.60E-03	1.50E-03	3.10E-03	1.58E-03	1.48E-03	3.06E-03
2136 494411.06, 3859701.99	0.04049	0.03804	6.15E-03	6.02E-03	5.80E-03	5.94E-03	5.60E-03	1.63E-03	1.53E-03	3.16E-03	1.59E-03	1.49E-03	3.08E-03	1.57E-03	1.47E-03	3.04E-03
2137 494461.06, 3859701.99	0.04081	0.03898	6.20E-03	6.17E-03	5.84E-03	5.98E-03	5.64E-03	1.64E-03	1.57E-03	3.21E-03	1.60E-03	1.53E-03	3.13E-03	1.58E-03	1.51E-03	3.09E-03
2138 494511.06, 3859701.99	0.04016	0.03838	6.10E-03	6.08E-03	5.75E-03	5.89E-03	5.55E-03	1.62E-03	1.54E-03	3.16E-03	1.58E-03	1.51E-03	3.08E-03	1.56E-03	1.49E-03	3.04E-03
2139 494561.06, 3859701.99	0.03976	0.03814	6.04E-03	6.04E-03	5.69E-03	5.83E-03	5.50E-03	1.60E-03	1.53E-03	3.13E-03	1.56E-03	1.50E-03	3.06E-03	1.54E-03	1.48E-03	3.02E-03
2140 494611.06, 3859701.99	0.03933	0.03781	5.98E-03	5.99E-03	5.63E-03	5.77E-03	5.44E-03	1.58E-03	1.52E-03	3.10E-03	1.54E-03	1.48E-03	3.03E-03	1.52E-03	1.47E-03	2.99E-03
2141 494661.06, 3859701.99	0.03793	0.03568	5.76E-03	5.65E-03	5.43E-03	5.56E-03	5.25E-03	1.53E-03	1.44E-03	2.96E-03	1.49E-03	1.40E-03	2.89E-03	1.47E-03	1.38E-03	2.85E-03
2142 494711.06, 3859701.99	0.0377	0.03588	5.73E-03	5.68E-03	5.40E-03	5.53E-03	5.21E-03	1.52E-03	1.44E-03	2.96E-03	1.48E-03	1.41E-03	2.89E-03	1.46E-03	1.39E-03	2.85E-03
2143 494761.06, 3859701.99	0.03697	0.03516	5.62E-03	5.57E-03	5.29E-03	5.42E-03	5.11E-03	1.49E-03	1.41E-03	2.90E-03	1.45E-03	1.38E-03	2.83E-03	1.43E-03	1.36E-03	2.79E-03
2144 494811.06, 3859701.99	0.03639	0.03447	5.53E-03	5.46E-03	5.21E-03	5.34E-03	5.03E-03	1.46E-03	1.39E-03	2.85E-03	1.43E-03	1.35E-03	2.78E-03	1.41E-03	1.34E-03	2.75E-03
2145 494861.06, 3859701.99	0.03609	0.03455	5.48E-03	5.47E-03	5.17E-03	5.29E-03	4.99E-03	1.45E-03	1.39E-03	2.84E-03	1.42E-03	1.36E-03	2.77E-03	1.40E-03	1.34E-03	2.74E-03
2146 494911.06, 3859701.99	0.03554	0.03406	5.40E-03	5.39E-03	5.09E-03	5.21E-03	4.92E-03	1.43E-03	1.37E-03	2.80E-03	1.40E-03	1.34E-03	2.73E-03	1.38E-03	1.32E-03	2.70E-03
2147 494961.06, 3859701.99	0.0351	0.03359	5.33E-03	5.32E-03	5.02E-03	5.15E-03	4.85E-03	1.41E-03	1.35E-03	2.76E-03	1.38E-03	1.32E-03	2.70E-03	1.36E-03	1.30E-03	2.66E-03
2148 495011.06, 3859701.99	0.03474	0.03343	5.28E-03	5.29E-03	4.97E-03	5.09E-03	4.80E-03	1.40E-03	1.35E-03	2.74E-03	1.36E-03	1.31E-03	2.68E-03	1.35E-03	1.30E-03	2.64E-03
2149 495061.06, 3859701.99	0.03432	0.0331	5.21E-03	5.24E-03	4.91E-03	5.03E-03	4.75E-03	1.38E-03	1.33E-03	2.71E-03	1.35E-03	1.30E-03	2.65E-03	1.33E-03	1.28E-03	2.61E-03
2150 495111.06, 3859701.99	0.03397	0.03282	5.16E-03	5.20E-03	4.86E-03	4.98E-03	4.70E-03	1.37E-03	1.32E-03	2.69E-03	1.33E-03	1.29E-03	2.62E-03	1.32E-03	1.27E-03	2.59E-03
2151 495161.06, 3859701.99	0.0336	0.03248	5.11E-03	5.14E-03	4.81E-03	4.93E-03	4.65E-03	1.35E-03	1.31E-03	2.66E-03	1.32E-03	1.28E-03	2.59E-03	1.30E-03	1.26E-03	2.56E-03
2152 495211.06, 3859701.99	0.03324	0.03213	5.05E-03	5.09E-03	4.76E-03	4.87E-03	4.60E-03	1.34E-03	1.29E-03	2.63E-03	1.31E-03	1.26E-03	2.57E-03	1.29E-03	1.24E-03	2.53E-03
2153 495261.06, 3859701.99	0.03318	0.03214	5.04E-03	5.09E-03	4.75E-03	4.87E-03	4.59E-03	1.34E-03	1.29E-03	2.63E-03	1.30E-03	1.26E-03	2.57E-03	1.29E-03	1.25E-03	2.53E-03
2154 495311.06, 3859701.99	0.03287	0.03183	4.99E-03	5.04E-03	4.71E-03	4.82E-03	4.55E-03	1.32E-03	1.28E-03	2.60E-03	1.29E-03	1.25E-03	2.54E-03	1.27E-03	1.23E-03	2.51E-03
2155 495361.06, 3859701.99	0.03255	0.03156	4.95E-03	5.00E-03	4.66E-03	4.77E-03	4.50E-03	1.31E-03	1.27E-03	2.58E-03	1.28E-03	1.24E-03	2.52E-03	1.26E-03	1.22E-03	2.48E-03
2156 495411.06, 3859701.99	0.03204	0.03118	4.87E-03	4.94E-03	4.59E-03	4.70E-03	4.43E-03	1.29E-03	1.25E-03	2.54E-03	1.26E-03	1.22E-03	2.48E-03	1.24E-03	1.21E-03	2.45E-03
2157 495461.06, 3859701.99	0.0317	0.0309	4.82E-03	4.89E-03	4.54E-03	4.65E-03	4.38E-03	1.28E-03	1.24E-03	2.52E-03	1.24E-03	1.21E-03	2.46E-03	1.23E-03	1.20E-03	2.43E-03
2158 495511.06, 3859701.99	0.03084	0.03031	4.69E-03	4.80E-03	4.42E-03	4.52E-03	4.27E-03	1.24E-03	1.22E-03	2.46E-03	1.21E-03	1.19E-03	2.40E-03	1.20E-03	1.17E-03	2.37E-03
2159 495561.06, 3859701.99	0.03114	0.03037	4.73E-03	4.81E-03	4.46E-03	4.57E-03	4.31E-03	1.25E-03	1.22E-03	2.48E-03	1.22E-03	1.19E-03	2.42E-03	1.21E-03	1.18E-03	2.38E-03
2160 495611.06, 3859701.99	0.03082	0.0299	4.68E-03	4.73E-03	4.41E-03	4.52E-03	4.26E-03	1.24E-03	1.20E-03	2.44E-03	1.21E-03	1.17E-03	2.38E-03	1.19E-03	1.16E-03	2.35E-03
2161 495661.06, 3859701.99	0.03038	0.02941	4.62E-03	4.66E-03	4.35E-03	4.45E-03	4.20E-03	1.22E-03	1.18E-03	2.41E-03	1.19E-03	1.15E-03	2.35E-03	1.18E-03	1.14E-03	2.32E-03
2162 494311.06, 3859751.99	0.04281	0.04046	6.51E-03	6.41E-03	6.13E-03	6.28E-03	5.92E-03	1.72E-03	1.63E-03	3.35E-03	1.68E-03	1.59E-03	3.27E-03	1.66E-03	1.57E-03	3.23E-03
2163 494361.06, 3859751.99	0.04221	0.04005	6.41E-03	6.34E-03	6.04E-03	6.19E-03	5.84E-03	1.70E-03	1.61E-03	3.31E-03	1.66E-03	1.57E-03	3.23E-03	1.64E-03	1.55E-03	3.19E-03
2164 494411.06, 3859751.99	0.0417	0.03937	6.34E-03	6.23E-03	5.97E-03	6.11E-03	5.77E-03	1.68E-03	1.58E-03	3.26E-03	1.64E-03	1.55E-03	3.18E-03	1.62E-03	1.53E-03	3.14E-03
2165 494461.06, 3859751.99	0.0417	0.03949	6.34E-03	6.25E-03	5.97E-03	6.11E-03	5.77E-03	1.68E-03	1.59E-03	3.27E-03	1.64E-03	1.55E-03	3.19E-03	1.62E-03	1.53E-03	3.15E-03
2166 494511.06, 3859751.99	0.04157	0.03948	6.32E-03	6.25E-03	5.95E-03	6.10E-03	5.75E-03	1.67E-03	1.59E-03	3.26E-03	1.63E-03	1.55E-03	3.18E-03	1.61E-03	1.53E-03	3.14E-03
2167 494561.06, 3859751.99	0.04106	0.03909	6.24E-03	6.19E-03	5.88E-03	6.02E-03	5.68E-03	1.65E-03	1.57E-03	3.23E-03	1.61E-03	1.54E-03	3.15E-03	1.59E-03	1.51E-03	3.11E-03
2168 494611.06, 3859751.99	0.04029	0.03841	6.12E-03	6.08E-03	5.77E-03	5.91E-03	5.57E-03	1.62E-03	1.55E-03	3.17E-03	1.58E-03	1.51E-03	3.09E-03	1.56E-03	1.49E-03	3.05E-03
2169 494661.06, 3859751.99	0.03896	0.03669	5.92E-03	5.81E-03	5.58E-03	5.71E-03	5.39E-03	1.57E-03	1.48E-03	3.04E-03	1.53E-03	1.44E-03	2.97E-03	1.51E-03	1.42E-03	2.93E-03
2170 494711.06, 3859751.99	0.03893	0.03723	5.92E-03	5.89E-03	5.57E-03	5.71E-03	5.38E-03	1.57E-03	1.50E-03	3.06E-03	1.53E-03	1.46E-03	2.99E-03	1.51E-03	1.44E-03	2.95E-03
2171 494761.06, 3859751.99	0.03854	0.03697	5.86E-03	5.85E-03	5.52E-03	5.65E-03	5.33E-03	1.55E-03	1.49E-03	3.04E-03	1.51E-03	1.45E-03	2.97E-03	1.49E-03	1.43E-03	2.93E-03
2172 494811.06, 3859751.99	0.03792	0.0364	5.76E-03	5.76E-03	5.43E-03	5.56E-03	5.24E-03	1.53E-03	1.46E-03	2.99E-03	1.49E-03	1.43E-03	2.92E-03	1.47E-03	1.41E-03	2.88E-03
2173 494861.06, 3859751.99	0.03741	0.03607	5.68E-03	5.71E-03	5.36E-03	5.49E-03	5.17E-03	1.51E-03	1.45E-03	2.96E-03	1.47E-03	1.42E-03	2.89E-03	1.45E-03	1.40E-03	2.85E-03
2174 494911.06, 3859751.99	0.03696	0.03572	5.62E-03	5.66E-03	5.29E-03	5.42E-03	5.11E-03	1.49E-03	1.44E-03	2.92E-03	1.45E-03	1.40E-03	2.85E-03	1.43E-03	1.38E-03	2.82E-03

2175 494961.06, 3859751.99	0.03652	0.03541	5.55E-03	5.61E-03	5.23E-03	5.35E-03	5.05E-03	1.47E-03	1.43E-03	2.89E-03	1.43E-03	1.39E-03	2.82E-03	1.42E-03	1.37E-03	2.79E-03
2176 495011.06, 3859751.99	0.03603	0.03502	5.47E-03	5.54E-03	5.16E-03	5.28E-03	4.98E-03	1.45E-03	1.41E-03	2.86E-03	1.41E-03	1.38E-03	2.79E-03	1.40E-03	1.36E-03	2.75E-03
2177 495061.06, 3859751.99	0.03574	0.03486	5.43E-03	5.52E-03	5.12E-03	5.24E-03	4.94E-03	1.44E-03	1.40E-03	2.84E-03	1.40E-03	1.37E-03	2.77E-03	1.38E-03	1.35E-03	2.74E-03
2178 495111.06, 3859751.99	0.03528	0.03445	5.36E-03	5.45E-03	5.05E-03	5.17E-03	4.88E-03	1.42E-03	1.39E-03	2.81E-03	1.39E-03	1.35E-03	2.74E-03	1.37E-03	1.33E-03	2.70E-03
2179 495161.06, 3859751.99	0.03478	0.0339	5.28E-03	5.37E-03	4.98E-03	5.10E-03	4.81E-03	1.40E-03	1.36E-03	2.76E-03	1.37E-03	1.33E-03	2.70E-03	1.35E-03	1.31E-03	2.66E-03
2180 495211.06, 3859751.99	0.03433	0.03331	5.22E-03	5.27E-03	4.91E-03	5.03E-03	4.75E-03	1.38E-03	1.34E-03	2.72E-03	1.35E-03	1.31E-03	2.66E-03	1.33E-03	1.29E-03	2.62E-03
2181 495261.06, 3859751.99	0.0341	0.03311	5.18E-03	5.24E-03	4.88E-03	5.00E-03	4.72E-03	1.37E-03	1.33E-03	2.70E-03	1.34E-03	1.30E-03	2.64E-03	1.32E-03	1.28E-03	2.60E-03
2182 495311.06, 3859751.99	0.03374	0.03273	5.13E-03	5.18E-03	4.83E-03	4.95E-03	4.67E-03	1.36E-03	1.32E-03	2.67E-03	1.32E-03	1.29E-03	2.61E-03	1.31E-03	1.27E-03	2.58E-03
2183 495361.06, 3859751.99	0.03343	0.03241	5.08E-03	5.13E-03	4.79E-03	4.90E-03	4.62E-03	1.35E-03	1.30E-03	2.65E-03	1.31E-03	1.27E-03	2.59E-03	1.30E-03	1.26E-03	2.55E-03
2184 495411.06, 3859751.99	0.03316	0.03211	5.04E-03	5.08E-03	4.75E-03	4.86E-03	4.59E-03	1.33E-03	1.29E-03	2.63E-03	1.30E-03	1.26E-03	2.56E-03	1.28E-03	1.24E-03	2.53E-03
2185 495461.06, 3859751.99	0.03268	0.03157	4.97E-03	5.00E-03	4.68E-03	4.79E-03	4.52E-03	1.32E-03	1.27E-03	2.59E-03	1.28E-03	1.24E-03	2.52E-03	1.27E-03	1.22E-03	2.49E-03
2186 495511.06, 3859751.99	0.03231	0.03112	4.91E-03	4.93E-03	4.63E-03	4.74E-03	4.47E-03	1.30E-03	1.25E-03	2.55E-03	1.27E-03	1.22E-03	2.49E-03	1.25E-03	1.21E-03	2.46E-03
2187 495561.06, 3859751.99	0.03207	0.03088	4.87E-03	4.89E-03	4.59E-03	4.70E-03	4.44E-03	1.29E-03	1.24E-03	2.53E-03	1.26E-03	1.21E-03	2.47E-03	1.24E-03	1.20E-03	2.44E-03
2188 495611.06, 3859751.99	0.03183	0.03066	4.84E-03	4.85E-03	4.56E-03	4.67E-03	4.40E-03	1.28E-03	1.23E-03	2.51E-03	1.25E-03	1.20E-03	2.45E-03	1.23E-03	1.19E-03	2.42E-03
2189 495661.06, 3859751.99	0.03166	0.03028	4.81E-03	4.79E-03	4.53E-03	4.64E-03	4.38E-03	1.27E-03	1.22E-03	2.49E-03	1.24E-03	1.19E-03	2.43E-03	1.23E-03	1.17E-03	2.40E-03
2190 494311.06, 3859801.99	0.04507	0.04187	6.85E-03	6.63E-03	6.45E-03	6.61E-03	6.23E-03	1.81E-03	1.68E-03	3.50E-03	1.77E-03	1.64E-03	3.41E-03	1.75E-03	1.62E-03	3.37E-03
2191 494361.06, 3859801.99	0.04372	0.04102	6.64E-03	6.49E-03	6.26E-03	6.41E-03	6.05E-03	1.76E-03	1.65E-03	3.41E-03	1.72E-03	1.61E-03	3.33E-03	1.69E-03	1.59E-03	3.28E-03
2192 494411.06, 3859801.99	0.04249	0.03974	6.46E-03	6.29E-03	6.08E-03	6.23E-03	5.88E-03	1.71E-03	1.60E-03	3.31E-03	1.67E-03	1.56E-03	3.23E-03	1.65E-03	1.54E-03	3.19E-03
2193 494461.06, 3859801.99	0.04262	0.04033	6.48E-03	6.39E-03	6.10E-03	6.25E-03	5.89E-03	1.72E-03	1.62E-03	3.34E-03	1.67E-03	1.58E-03	3.26E-03	1.65E-03	1.56E-03	3.21E-03
2194 494511.06, 3859801.99	0.04304	0.04084	6.54E-03	6.47E-03	6.16E-03	6.31E-03	5.95E-03	1.73E-03	1.64E-03	3.38E-03	1.69E-03	1.60E-03	3.29E-03	1.67E-03	1.58E-03	3.25E-03
2195 494561.06, 3859801.99	0.04243	0.04039	6.45E-03	6.40E-03	6.07E-03	6.22E-03	5.87E-03	1.71E-03	1.63E-03	3.33E-03	1.67E-03	1.59E-03	3.25E-03	1.64E-03	1.57E-03	3.21E-03
2196 494611.06, 3859801.99	0.04117	0.03885	6.26E-03	6.15E-03	5.89E-03	6.04E-03	5.69E-03	1.66E-03	1.56E-03	3.22E-03	1.62E-03	1.53E-03	3.14E-03	1.60E-03	1.51E-03	3.10E-03
2197 494661.06, 3859801.99	0.04063	0.03823	6.17E-03	6.05E-03	5.82E-03	5.96E-03	5.62E-03	1.64E-03	1.54E-03	3.17E-03	1.60E-03	1.50E-03	3.10E-03	1.57E-03	1.48E-03	3.06E-03
2198 494711.06, 3859801.99	0.03986	0.03756	6.06E-03	5.95E-03	5.71E-03	5.84E-03	5.51E-03	1.60E-03	1.51E-03	3.12E-03	1.57E-03	1.47E-03	3.04E-03	1.54E-03	1.46E-03	3.00E-03
2199 494761.06, 3859801.99	0.03992	0.03792	6.07E-03	6.00E-03	5.71E-03	5.85E-03	5.52E-03	1.61E-03	1.53E-03	3.13E-03	1.57E-03	1.49E-03	3.06E-03	1.55E-03	1.47E-03	3.02E-03
2200 494811.06, 3859801.99	0.03945	0.03744	5.99E-03	5.93E-03	5.65E-03	5.78E-03	5.46E-03	1.59E-03	1.51E-03	3.09E-03	1.55E-03	1.47E-03	3.02E-03	1.53E-03	1.45E-03	2.98E-03
2201 494861.06, 3859801.99	0.0392	0.03722	5.96E-03	5.89E-03	5.61E-03	5.75E-03	5.42E-03	1.58E-03	1.50E-03	3.08E-03	1.54E-03	1.46E-03	3.00E-03	1.52E-03	1.44E-03	2.96E-03
2202 494911.06, 3859801.99	0.03836	0.03669	5.83E-03	5.81E-03	5.49E-03	5.62E-03	5.31E-03	1.54E-03	1.48E-03	3.02E-03	1.51E-03	1.44E-03	2.95E-03	1.49E-03	1.42E-03	2.91E-03
2203 494961.06, 3859801.99	0.03792	0.03639	5.76E-03	5.76E-03	5.43E-03	5.56E-03	5.24E-03	1.53E-03	1.46E-03	2.99E-03	1.49E-03	1.43E-03	2.92E-03	1.47E-03	1.41E-03	2.88E-03
2204 495011.06, 3859801.99	0.03738	0.03601	5.68E-03	5.70E-03	5.35E-03	5.48E-03	5.17E-03	1.50E-03	1.45E-03	2.95E-03	1.47E-03	1.41E-03	2.88E-03	1.45E-03	1.40E-03	2.84E-03
2205 495061.06, 3859801.99	0.037	0.03578	5.62E-03	5.67E-03	5.30E-03	5.43E-03	5.12E-03	1.49E-03	1.44E-03	2.93E-03	1.45E-03	1.41E-03	2.86E-03	1.43E-03	1.39E-03	2.82E-03
2206 495111.06, 3859801.99	0.03644	0.03526	5.54E-03	5.58E-03	5.22E-03	5.34E-03	5.04E-03	1.47E-03	1.42E-03	2.89E-03	1.43E-03	1.38E-03	2.82E-03	1.41E-03	1.37E-03	2.78E-03
2207 495161.06, 3859801.99	0.03596	0.03479	5.46E-03	5.51E-03	5.15E-03	5.27E-03	4.97E-03	1.45E-03	1.40E-03	2.85E-03	1.41E-03	1.37E-03	2.78E-03	1.39E-03	1.35E-03	2.74E-03
2208 495211.06, 3859801.99	0.03564	0.03456	5.42E-03	5.47E-03	5.10E-03	5.23E-03	4.93E-03	1.43E-03	1.39E-03	2.83E-03	1.40E-03	1.36E-03	2.76E-03	1.38E-03	1.34E-03	2.72E-03
2209 495261.06, 3859801.99	0.03515	0.03407	5.34E-03	5.39E-03	5.03E-03	5.15E-03	4.86E-03	1.41E-03	1.37E-03	2.79E-03	1.38E-03	1.34E-03	2.72E-03	1.36E-03	1.32E-03	2.68E-03
2210 495311.06, 3859801.99	0.03495	0.03389	5.31E-03	5.37E-03	5.00E-03	5.12E-03	4.83E-03	1.41E-03	1.36E-03	2.77E-03	1.37E-03	1.33E-03	2.70E-03	1.35E-03	1.31E-03	2.67E-03
2211 495361.06, 3859801.99	0.03448	0.03352	5.24E-03	5.31E-03	4.94E-03	5.06E-03	4.77E-03	1.39E-03	1.35E-03	2.74E-03	1.35E-03	1.32E-03	2.67E-03	1.34E-03	1.30E-03	2.63E-03
2212 495411.06, 3859801.99	0.03394	0.03305	5.16E-03	5.23E-03	4.86E-03	4.98E-03	4.69E-03	1.37E-03	1.33E-03	2.70E-03	1.33E-03	1.30E-03	2.63E-03	1.32E-03	1.28E-03	2.60E-03
2213 495461.06, 3859801.99	0.03364	0.0327	5.11E-03	5.18E-03	4.82E-03	4.93E-03	4.65E-03	1.35E-03	1.32E-03	2.67E-03	1.32E-03	1.28E-03	2.61E-03	1.30E-03	1.27E-03	2.57E-03
2214 495511.06, 3859801.99	0.03318	0.03199	5.04E-03	5.07E-03	4.75E-03	4.87E-03	4.59E-03	1.34E-03	1.29E-03	2.62E-03	1.30E-03	1.26E-03	2.56E-03	1.29E-03	1.24E-03	2.53E-03
2215 495561.06, 3859801.99	0.03296	0.03173	5.01E-03	5.02E-03	4.72E-03	4.83E-03	4.56E-03	1.33E-03	1.28E-03	2.60E-03	1.29E-03	1.25E-03	2.54E-03	1.28E-03	1.23E-03	2.51E-03
2216 495611.06, 3859801.99	0.03287	0.03176	4.99E-03	5.03E-03	4.71E-03	4.82E-03	4.55E-03	1.32E-03	1.28E-03	2.60E-03	1.29E-03	1.25E-03	2.54E-03	1.27E-03	1.23E-03	2.50E-03
2217 495661.06, 3859801.99	0.03252	0.03122	4.94E-03	4.94E-03	4.66E-03	4.77E-03	4.50E-03	1.31E-03	1.26E-03	2.57E-03	1.28E-03	1.23E-03	2.50E-03	1.26E-03	1.21E-03	2.47E-03
2218 494311.06, 3859851.99	0.04689	0.04276	7.13E-03	6.77E-03	6.71E-03	6.88E-03	6.49E-03	1.89E-03	1.72E-03	3.61E-03	1.84E-03	1.68E-03	3.52E-03	1.82E-03	1.66E-03	3.47E-03
2219 494361.06, 3859851.99	0.04586	0.04214	6.97E-03	6.67E-03	6.57E-03	6.72E-03	6.34E-03	1.85E-03	1.70E-03	3.54E-03	1.80E-03	1.65E-03	3.46E-03	1.78E-03	1.63E-03	3.41E-03
2220 494411.06, 3859851.99	0.04472	0.04148	6.80E-03	6.57E-03	6.40E-03	6.56E-03	6.19E-03	1.80E-03	1.67E-03	3.47E-03	1.76E-03	1.63E-03	3.39E-03	1.73E-03	1.61E-03	3.34E-03
2221 494461.06, 3859851.99	0.0439	0.04107	6.67E-03	6.50E-03	6.28E-03	6.44E-03	6.07E-03	1.77E-03	1.65E-03	3.42E-03	1.72E-03	1.61E-03	3.34E-03	1.70E-03	1.59E-03	3.29E-03
2222 494511.06, 3859851.99	0.04389	0.04111	6.67E-03	6.51E-03	6.28E-03	6.44E-03	6.07E-03	1.77E-03	1.65E-03	3.42E-03	1.72E-03	1.61E-03	3.34E-03	1.70E-03	1.59E-03	3.29E-03
2223 494561.06, 3859851.99	0.0442	0.04128	6.72E-03	6.54E-03	6.33E-03	6.48E-03	6.11E-03	1.78E-03	1.66E-03	3.44E-03	1.74E-03	1.62E-03	3.36E-03	1.71E-03	1.60E-03	3.31E-03
2224 494611.06, 3859851.99	0.04252	0.04022	6.46E-03	6.37E-03	6.09E-03	6.23E-03	5.88E-03	1.71E-03	1.62E-03	3.33E-03	1.67E-03	1.58E-03	3.25E-03	1.65E-03	1.56E-03	3.21E-03
2225 494661.06, 3859851.99	0.04243	0.04014	6.45E-03	6.36E-03	6.07E-03	6.22E-03	5.87E-03	1.71E-03	1.62E-03	3.32E-03	1.67E-03	1.58E-03	3.24E-03	1.64E-03	1.56E-03	3.20E-03
2226 494711.06, 3859851.99	0.04129	0.03932	6.27E-03	6.23E-03	5.91E-03	6.05E-03	5.71E-03	1.66E-03	1.58E-03	3.24E-03	1.62E-03	1.54E-03	3.17E-03	1.60E-03	1.52E-03	3.12E-03
2227 494761.06, 3859851.99	0.04161	0.03964	6.32E-03	6.28E-03	5.96E-03	6.10E-03	5.75E-03	1.67E-03	1.60E-03	3.27E-03	1.63E-03	1.56E-03	3.19E-03	1.61E-03	1.54E-03	3.15E-03
2228 494811.06, 3859851.99	0.04101	0.03923	6.23E-03	6.21E-03	5.87E-03	6.01E-03	5.67E-03	1.65E-03	1.58E-03	3.23E-03	1.61E-03	1.54E-03	3.15E-03	1.59E-03	1.52E-03	3.11E-03
2229 494861.06, 3859851.99	0.04083	0.03911	6.20E-03	6.19E-03	5.85E-03	5.99E-03	5.65E-03	1.64E-03	1.57E-03	3.22E-03	1.60E-03	1.54E-03	3.14E-03	1.58E-03	1.52E-03	3.10E-03
2230 494911.06, 3859851.99	0.04004	0.03843	6.08E-03	6.08E-03	5.73E-03	5.87E-03	5.54E-03	1.61E-03	1.55E-03	3.16E-03	1.57E-03	1.51E-03	3.08E-03	1.55E-03	1.49E-03	3.04E-03
2231 494961.06, 3859851.99	0.0396	0.03803	6.02E-03	6.02E-03	5.67E-03	5.81E-03	5.48E-03	1.59E-03	1.53E-03	3.12E-03	1.56E-03	1.49E-03	3.05E-03	1.53E-03	1.47E-03	3.01E-03
2232 495011.06, 3859851.99	0.03913	0.03761	5.95E-03	5.95E-03	5.60E-03	5.74E-03	5.41E-03	1.57E-03	1.51E-03	3.09E-03	1.54E-03	1.48E-03	3.01E-03	1.52E-03	1.46E-03	2.97E-03
2233 495061.06, 3859851.99	0.03885	0.03736	5.90E-03	5.92E-03	5.56E-03	5.70E-03	5.37E-03	1.56E-03	1.50E-03	3.07E-03	1.53E-03	1.47E-03	2.99E-03	1.51E-03	1.45E-03	2.95E-03
2234 495111.06, 3859851.99	0.0381	0.03668	5.79E-03	5.81E-03	5.45E-03	5.59E-03	5.27E-03	1.53E-03	1.48E-03	3.01E-03	1.50E-03	1.44E-03	2.94E-03	1.48E-03	1.42E-03	2.90E-03
2235 495161.06, 3859851.99	0.03757	0.03621	5.71E-03	5.73E-03	5.38E-03	5.51E-03	5.20E-03	1.51E-03	1.46E-03	2.97E-03	1.48E-03	1.42E-03	2.90E-03	1.46E-03	1.40E-03	2.86E-03
2236 495211.06, 3859851.99	0.03711	0.03581	5.64E-03	5.67E-03	5.31E-03	5.44E-03	5.13E-03	1.49E-03	1.44E-03	2.93E-03	1.46E-03	1.41E-03	2.86E-03	1.44E-03	1.39E-03	2.83E-03
2237 495261.06, 3859851.99	0.03659	0.03542	5.56E-03	5.61E-03	5.24E-03	5.37E-03	5.06E-03	1.47E-03	1.43E-03	2.90E-03	1.44E-03	1.39E-03	2.83E-03	1.42E-03	1.37E-03	2.79E-03
2238 495311.06, 3859851.99	0.03627	0.03518	5.51E-03	5.57E-03	5.19E-03	5.32E-03	5.02E-03	1.46E-03	1.42E-03	2.88E-03	1.42E-03	1.38E-03	2.81E-03	1.41E-03	1.36E-03	2.77E-03
2239 495361.06, 3859851.99	0.03589	0.03489	5.45E-03	5.52E-03	5.14E-03	5.26E-03	4.96E-03	1.44E-03	1.40E-03	2.85E-03	1.41E-03	1.37E-03	2.78E-03	1.39E-03	1.35E-03	2.74E-03
2240 495411.06, 3859851.99	0.03538	0.03447	5.38E-03	5.46E-03	5.06E-03	5.19E-03	4.89E-03	1.42E-03	1.39E-03	2.81E-03	1.39E-03	1.35E-03	2.74E-03	1.37E-03	1.34E-03	2.71E-03

2241 495461.06, 3859851.99	0.0349	0.03402	5.30E-03	5.39E-03	5.00E-03	5.12E-03	4.83E-03	1.40E-03	1.37E-03	2.77E-03	1.37E-03	1.34E-03	2.71E-03	1.35E-03	1.32E-03	2.67E-03
2242 495511.06, 3859851.99	0.03433	0.03345	5.22E-03	5.30E-03	4.91E-03	5.03E-03	4.75E-03	1.38E-03	1.35E-03	2.73E-03	1.35E-03	1.31E-03	2.66E-03	1.33E-03	1.30E-03	2.63E-03
2243 495561.06, 3859851.99	0.03404	0.03327	5.17E-03	5.27E-03	4.87E-03	4.99E-03	4.71E-03	1.37E-03	1.34E-03	2.71E-03	1.34E-03	1.31E-03	2.64E-03	1.32E-03	1.29E-03	2.61E-03
2244 495611.06, 3859851.99	0.03383	0.03304	5.14E-03	5.23E-03	4.84E-03	4.96E-03	4.68E-03	1.36E-03	1.33E-03	2.69E-03	1.33E-03	1.30E-03	2.63E-03	1.31E-03	1.28E-03	2.59E-03
2245 495661.06, 3859851.99	0.03344	0.03252	5.08E-03	5.15E-03	4.79E-03	4.90E-03	4.62E-03	1.35E-03	1.31E-03	2.65E-03	1.31E-03	1.28E-03	2.59E-03	1.30E-03	1.26E-03	2.56E-03
2246 494311.06, 3859901.99	0.04888	0.04454	7.43E-03	7.05E-03	7.00E-03	7.17E-03	6.76E-03	1.97E-03	1.79E-03	3.76E-03	1.92E-03	1.75E-03	3.67E-03	1.89E-03	1.73E-03	3.62E-03
2247 494361.06, 3859901.99	0.04702	0.0433	7.14E-03	6.86E-03	6.73E-03	6.89E-03	6.50E-03	1.89E-03	1.74E-03	3.63E-03	1.85E-03	1.70E-03	3.55E-03	1.82E-03	1.68E-03	3.50E-03
2248 494411.06, 3859901.99	0.04677	0.04314	7.11E-03	6.83E-03	6.70E-03	6.86E-03	6.47E-03	1.88E-03	1.74E-03	3.62E-03	1.84E-03	1.69E-03	3.53E-03	1.81E-03	1.67E-03	3.48E-03
2249 494461.06, 3859901.99	0.04593	0.04267	6.98E-03	6.76E-03	6.58E-03	6.73E-03	6.35E-03	1.85E-03	1.72E-03	3.57E-03	1.80E-03	1.68E-03	3.48E-03	1.78E-03	1.65E-03	3.43E-03
2250 494511.06, 3859901.99	0.04557	0.04249	6.92E-03	6.73E-03	6.52E-03	6.68E-03	6.30E-03	1.83E-03	1.71E-03	3.54E-03	1.79E-03	1.67E-03	3.46E-03	1.77E-03	1.65E-03	3.41E-03
2251 494561.06, 3859901.99	0.04632	0.04294	7.04E-03	6.80E-03	6.63E-03	6.79E-03	6.41E-03	1.86E-03	1.73E-03	3.59E-03	1.82E-03	1.69E-03	3.51E-03	1.79E-03	1.66E-03	3.46E-03
2252 494611.06, 3859901.99	0.04431	0.04157	6.73E-03	6.58E-03	6.34E-03	6.50E-03	6.13E-03	1.78E-03	1.67E-03	3.46E-03	1.74E-03	1.63E-03	3.37E-03	1.72E-03	1.61E-03	3.33E-03
2253 494661.06, 3859901.99	0.04485	0.04166	6.82E-03	6.60E-03	6.42E-03	6.58E-03	6.20E-03	1.80E-03	1.68E-03	3.48E-03	1.76E-03	1.64E-03	3.40E-03	1.74E-03	1.61E-03	3.35E-03
2254 494711.06, 3859901.99	0.04303	0.04047	6.54E-03	6.41E-03	6.16E-03	6.31E-03	5.95E-03	1.73E-03	1.63E-03	3.36E-03	1.69E-03	1.59E-03	3.28E-03	1.67E-03	1.57E-03	3.24E-03
2255 494761.06, 3859901.99	0.04311	0.04046	6.55E-03	6.41E-03	6.17E-03	6.32E-03	5.96E-03	1.73E-03	1.63E-03	3.36E-03	1.69E-03	1.59E-03	3.28E-03	1.67E-03	1.57E-03	3.24E-03
2256 494811.06, 3859901.99	0.04323	0.04046	6.57E-03	6.41E-03	6.19E-03	6.34E-03	5.98E-03	1.74E-03	1.63E-03	3.37E-03	1.70E-03	1.59E-03	3.29E-03	1.68E-03	1.57E-03	3.24E-03
2257 494861.06, 3859901.99	0.04298	0.04023	6.53E-03	6.37E-03	6.15E-03	6.30E-03	5.94E-03	1.73E-03	1.62E-03	3.35E-03	1.69E-03	1.58E-03	3.27E-03	1.67E-03	1.56E-03	3.22E-03
2258 494911.06, 3859901.99	0.04219	0.03971	6.41E-03	6.29E-03	6.04E-03	6.19E-03	5.84E-03	1.70E-03	1.60E-03	3.30E-03	1.66E-03	1.56E-03	3.22E-03	1.63E-03	1.54E-03	3.17E-03
2259 494961.06, 3859901.99	0.04188	0.03947	6.36E-03	6.25E-03	6.00E-03	6.14E-03	5.79E-03	1.69E-03	1.59E-03	3.27E-03	1.64E-03	1.55E-03	3.19E-03	1.62E-03	1.53E-03	3.15E-03
2260 495011.06, 3859901.99	0.04127	0.03906	6.27E-03	6.18E-03	5.91E-03	6.05E-03	5.71E-03	1.66E-03	1.57E-03	3.23E-03	1.62E-03	1.53E-03	3.15E-03	1.60E-03	1.51E-03	3.11E-03
2261 495061.06, 3859901.99	0.04076	0.03871	6.19E-03	6.13E-03	5.84E-03	5.98E-03	5.64E-03	1.64E-03	1.56E-03	3.20E-03	1.60E-03	1.52E-03	3.12E-03	1.58E-03	1.50E-03	3.08E-03
2262 495111.06, 3859901.99	0.0399	0.03821	6.06E-03	6.05E-03	5.71E-03	5.85E-03	5.52E-03	1.61E-03	1.54E-03	3.14E-03	1.57E-03	1.50E-03	3.07E-03	1.55E-03	1.48E-03	3.03E-03
2263 495161.06, 3859901.99	0.03916	0.03774	5.95E-03	5.98E-03	5.61E-03	5.74E-03	5.42E-03	1.58E-03	1.52E-03	3.09E-03	1.54E-03	1.48E-03	3.02E-03	1.52E-03	1.46E-03	2.98E-03
2264 495211.06, 3859901.99	0.03888	0.03751	5.91E-03	5.94E-03	5.57E-03	5.70E-03	5.38E-03	1.56E-03	1.51E-03	3.07E-03	1.53E-03	1.47E-03	3.00E-03	1.51E-03	1.45E-03	2.96E-03
2265 495261.06, 3859901.99	0.03809	0.03692	5.79E-03	5.85E-03	5.45E-03	5.59E-03	5.27E-03	1.53E-03	1.49E-03	3.02E-03	1.50E-03	1.45E-03	2.95E-03	1.48E-03	1.43E-03	2.91E-03
2266 495311.06, 3859901.99	0.03787	0.03667	5.75E-03	5.81E-03	5.42E-03	5.55E-03	5.24E-03	1.52E-03	1.48E-03	3.00E-03	1.49E-03	1.44E-03	2.93E-03	1.47E-03	1.42E-03	2.89E-03
2267 495361.06, 3859901.99	0.03736	0.03623	5.68E-03	5.74E-03	5.35E-03	5.48E-03	5.17E-03	1.50E-03	1.46E-03	2.96E-03	1.47E-03	1.42E-03	2.89E-03	1.45E-03	1.40E-03	2.85E-03
2268 495411.06, 3859901.99	0.03664	0.03564	5.57E-03	5.64E-03	5.25E-03	5.37E-03	5.07E-03	1.47E-03	1.43E-03	2.91E-03	1.44E-03	1.40E-03	2.84E-03	1.42E-03	1.38E-03	2.80E-03
2269 495461.06, 3859901.99	0.03611	0.03515	5.49E-03	5.57E-03	5.17E-03	5.29E-03	4.99E-03	1.45E-03	1.41E-03	2.87E-03	1.42E-03	1.38E-03	2.80E-03	1.40E-03	1.36E-03	2.76E-03
2270 495511.06, 3859901.99	0.03582	0.03492	5.44E-03	5.53E-03	5.13E-03	5.25E-03	4.95E-03	1.44E-03	1.41E-03	2.85E-03	1.41E-03	1.37E-03	2.78E-03	1.39E-03	1.35E-03	2.74E-03
2271 495561.06, 3859901.99	0.03554	0.0346	5.40E-03	5.48E-03	5.09E-03	5.21E-03	4.92E-03	1.43E-03	1.39E-03	2.82E-03	1.40E-03	1.36E-03	2.75E-03	1.38E-03	1.34E-03	2.72E-03
2272 495611.06, 3859901.99	0.03502	0.03416	5.32E-03	5.41E-03	5.01E-03	5.13E-03	4.84E-03	1.41E-03	1.37E-03	2.78E-03	1.38E-03	1.34E-03	2.72E-03	1.36E-03	1.32E-03	2.68E-03
2273 495661.06, 3859901.99	0.03446	0.03362	5.24E-03	5.32E-03	4.93E-03	5.05E-03	4.77E-03	1.39E-03	1.35E-03	2.74E-03	1.35E-03	1.32E-03	2.67E-03	1.34E-03	1.30E-03	2.64E-03
2274 494311.06, 3859951.99	0.05063	0.0465	7.69E-03	7.36E-03	7.25E-03	7.42E-03	7.00E-03	2.04E-03	1.87E-03	3.91E-03	1.99E-03	1.83E-03	3.81E-03	1.96E-03	1.80E-03	3.76E-03
2275 494361.06, 3859951.99	0.04964	0.04597	7.54E-03	7.28E-03	7.11E-03	7.28E-03	6.87E-03	2.00E-03	1.85E-03	3.85E-03	1.95E-03	1.81E-03	3.75E-03	1.92E-03	1.78E-03	3.70E-03
2276 494411.06, 3859951.99	0.04859	0.04553	7.38E-03	7.21E-03	6.96E-03	7.12E-03	6.72E-03	1.96E-03	1.83E-03	3.79E-03	1.91E-03	1.79E-03	3.70E-03	1.88E-03	1.76E-03	3.65E-03
2277 494461.06, 3859951.99	0.04778	0.045	7.26E-03	7.12E-03	6.84E-03	7.01E-03	6.61E-03	1.92E-03	1.81E-03	3.73E-03	1.88E-03	1.77E-03	3.64E-03	1.85E-03	1.74E-03	3.60E-03
2278 494511.06, 3859951.99	0.04745	0.04472	7.21E-03	7.08E-03	6.79E-03	6.96E-03	6.56E-03	1.91E-03	1.80E-03	3.71E-03	1.86E-03	1.76E-03	3.62E-03	1.84E-03	1.73E-03	3.57E-03
2279 494561.06, 3859951.99	0.0485	0.0451	7.37E-03	7.14E-03	6.94E-03	7.11E-03	6.71E-03	1.95E-03	1.81E-03	3.77E-03	1.90E-03	1.77E-03	3.68E-03	1.88E-03	1.75E-03	3.63E-03
2280 494611.06, 3859951.99	0.04661	0.04389	7.08E-03	6.95E-03	6.67E-03	6.83E-03	6.45E-03	1.88E-03	1.77E-03	3.64E-03	1.83E-03	1.72E-03	3.55E-03	1.81E-03	1.70E-03	3.51E-03
2281 494661.06, 3859951.99	0.04705	0.04373	7.15E-03	6.92E-03	6.74E-03	6.90E-03	6.51E-03	1.89E-03	1.76E-03	3.65E-03	1.85E-03	1.72E-03	3.56E-03	1.82E-03	1.69E-03	3.52E-03
2282 494711.06, 3859951.99	0.04538	0.04245	6.90E-03	6.72E-03	6.50E-03	6.65E-03	6.28E-03	1.83E-03	1.71E-03	3.53E-03	1.78E-03	1.67E-03	3.45E-03	1.76E-03	1.64E-03	3.40E-03
2283 494761.06, 3859951.99	0.04513	0.04225	6.86E-03	6.69E-03	6.46E-03	6.62E-03	6.24E-03	1.82E-03	1.70E-03	3.52E-03	1.77E-03	1.66E-03	3.43E-03	1.75E-03	1.64E-03	3.39E-03
2284 494811.06, 3859951.99	0.0447	0.04195	6.79E-03	6.64E-03	6.40E-03	6.55E-03	6.18E-03	1.80E-03	1.69E-03	3.49E-03	1.76E-03	1.65E-03	3.40E-03	1.73E-03	1.63E-03	3.36E-03
2285 494861.06, 3859951.99	0.0447	0.04191	6.79E-03	6.64E-03	6.40E-03	6.55E-03	6.18E-03	1.80E-03	1.69E-03	3.49E-03	1.76E-03	1.65E-03	3.40E-03	1.73E-03	1.62E-03	3.36E-03
2286 494911.06, 3859951.99	0.04369	0.04123	6.64E-03	6.53E-03	6.25E-03	6.41E-03	6.04E-03	1.76E-03	1.66E-03	3.42E-03	1.72E-03	1.62E-03	3.33E-03	1.69E-03	1.60E-03	3.29E-03
2287 494961.06, 3859951.99	0.04289	0.04064	6.52E-03	6.43E-03	6.14E-03	6.29E-03	5.93E-03	1.73E-03	1.64E-03	3.36E-03	1.68E-03	1.60E-03	3.28E-03	1.66E-03	1.57E-03	3.24E-03
2288 495011.06, 3859951.99	0.04227	0.04014	6.42E-03	6.36E-03	6.05E-03	6.20E-03	5.85E-03	1.70E-03	1.62E-03	3.32E-03	1.66E-03	1.58E-03	3.24E-03	1.64E-03	1.56E-03	3.19E-03
2289 495061.06, 3859951.99	0.0419	0.03976	6.37E-03	6.30E-03	6.00E-03	6.14E-03	5.80E-03	1.69E-03	1.60E-03	3.29E-03	1.65E-03	1.56E-03	3.21E-03	1.62E-03	1.54E-03	3.16E-03
2290 495111.06, 3859951.99	0.04116	0.03914	6.25E-03	6.20E-03	5.89E-03	6.04E-03	5.69E-03	1.66E-03	1.58E-03	3.23E-03	1.62E-03	1.54E-03	3.15E-03	1.59E-03	1.52E-03	3.11E-03
2291 495161.06, 3859951.99	0.04055	0.03862	6.16E-03	6.11E-03	5.81E-03	5.95E-03	5.61E-03	1.63E-03	1.55E-03	3.19E-03	1.59E-03	1.52E-03	3.11E-03	1.57E-03	1.50E-03	3.07E-03
2292 495211.06, 3859951.99	0.03998	0.03818	6.08E-03	6.05E-03	5.72E-03	5.86E-03	5.53E-03	1.61E-03	1.54E-03	3.15E-03	1.57E-03	1.50E-03	3.07E-03	1.55E-03	1.48E-03	3.03E-03
2293 495261.06, 3859951.99	0.03961	0.03781	6.02E-03	5.99E-03	5.67E-03	5.81E-03	5.48E-03	1.59E-03	1.52E-03	3.12E-03	1.56E-03	1.48E-03	3.04E-03	1.53E-03	1.47E-03	3.00E-03
2294 495311.06, 3859951.99	0.03939	0.03762	5.99E-03	5.96E-03	5.64E-03	5.78E-03	5.45E-03	1.59E-03	1.51E-03	3.10E-03	1.55E-03	1.48E-03	3.02E-03	1.53E-03	1.46E-03	2.98E-03
2295 495361.06, 3859951.99	0.03902	0.03728	5.93E-03	5.90E-03	5.59E-03	5.72E-03	5.40E-03	1.57E-03	1.50E-03	3.07E-03	1.53E-03	1.46E-03	3.00E-03	1.51E-03	1.44E-03	2.96E-03
2296 495411.06, 3859951.99	0.03833	0.03679	5.82E-03	5.83E-03	5.49E-03	5.62E-03	5.30E-03	1.54E-03	1.48E-03	3.02E-03	1.51E-03	1.44E-03	2.95E-03	1.49E-03	1.43E-03	2.91E-03
2297 495461.06, 3859951.99	0.03774	0.03636	5.73E-03	5.76E-03	5.40E-03	5.53E-03	5.22E-03	1.52E-03	1.46E-03	2.98E-03	1.48E-03	1.43E-03	2.91E-03	1.46E-03	1.41E-03	2.87E-03
2298 495511.06, 3859951.99	0.03715	0.03592	5.65E-03	5.69E-03	5.32E-03	5.45E-03	5.14E-03	1.50E-03	1.45E-03	2.94E-03	1.46E-03	1.41E-03	2.87E-03	1.44E-03	1.39E-03	2.83E-03
2299 495561.06, 3859951.99	0.03708	0.03571	5.63E-03	5.65E-03	5.31E-03	5.44E-03	5.13E-03	1.49E-03	1.44E-03	2.93E-03	1.46E-03	1.40E-03	2.86E-03	1.44E-03	1.38E-03	2.82E-03
2300 495611.06, 3859951.99	0.03644	0.03524	5.54E-03	5.58E-03	5.22E-03	5.34E-03	5.04E-03	1.47E-03	1.42E-03	2.88E-03	1.43E-03	1.38E-03	2.81E-03	1.41E-03	1.37E-03	2.78E-03
2301 495661.06, 3859951.99	0.03567	0.03461	5.42E-03	5.48E-03	5.11E-03	5.23E-03	4.93E-03	1.44E-03	1.39E-03	2.83E-03	1.40E-03	1.36E-03	2.76E-03	1.38E-03	1.34E-03	2.72E-03
2302 494311.06, 3860001.99	0.05215	0.04775	7.92E-03	7.56E-03	7.47E-03	7.65E-03	7.21E-03	2.10E-03	1.92E-03	4.02E-03	2.05E-03	1.88E-03	3.92E-03	2.02E-03	1.85E-03	3.87E-03
2303 494361.06, 3860001.99	0.05155	0.04728	7.83E-03	7.49E-03	7.38E-03	7.56E-03	7.13E-03	2.07E-03	1.90E-03	3.98E-03	2.02E-03	1.86E-03	3.88E-03	2.00E-03	1.83E-03	3.83E-03
2304 494411.06, 3860001.99	0.05043	0.04638	7.66E-03	7.34E-03	7.22E-03	7.39E-03	6.97E-03	2.03E-03	1.87E-03	3.90E-03	1.98E-03	1.82E-03	3.80E-03	1.95E-03	1.80E-03	3.75E-03
2305 494461.06, 3860001.99	0.04992	0.04619	7.59E-03	7.31E-03	7.15E-03	7.32E-03	6.90E-03	2.01E-03	1.86E-03	3.87E-03	1.96E-03	1.81E-03	3.77E-03	1.93E-03	1.79E-03	3.72E-03
2306 494511.06, 3860001.99	0.04897	0.04554	7.44E-03	7.21E-03	7.01E-03	7.18E-03	6.77E-03	1.97E-03	1.83E-03	3.80E-03	1.92E-03	1.79E-03	3.71E-03	1.90E-03	1.76E-03	3.66E-03

2307 494561.06, 3860001.99	0.05016	0.04678	7.62E-03	7.41E-03	7.18E-03	7.35E-03	6.94E-03	2.02E-03	1.88E-03	3.90E-03	1.97E-03	1.84E-03	3.81E-03	1.94E-03	1.81E-03	3.76E-03
2308 494611.06, 3860001.99	0.04926	0.04605	7.49E-03	7.29E-03	7.05E-03	7.22E-03	6.81E-03	1.98E-03	1.85E-03	3.84E-03	1.93E-03	1.81E-03	3.74E-03	1.91E-03	1.78E-03	3.69E-03
2309 494661.06, 3860001.99	0.04892	0.04567	7.43E-03	7.23E-03	7.00E-03	7.17E-03	6.77E-03	1.97E-03	1.84E-03	3.81E-03	1.92E-03	1.79E-03	3.71E-03	1.90E-03	1.77E-03	3.67E-03
2310 494711.06, 3860001.99	0.04663	0.04392	7.09E-03	6.95E-03	6.68E-03	6.84E-03	6.45E-03	1.88E-03	1.77E-03	3.64E-03	1.83E-03	1.72E-03	3.56E-03	1.81E-03	1.70E-03	3.51E-03
2311 494761.06, 3860001.99	0.0471	0.04404	7.16E-03	6.97E-03	6.74E-03	6.91E-03	6.51E-03	1.90E-03	1.77E-03	3.67E-03	1.85E-03	1.73E-03	3.58E-03	1.83E-03	1.71E-03	3.53E-03
2312 494811.06, 3860001.99	0.04696	0.0438	7.14E-03	6.93E-03	6.72E-03	6.89E-03	6.49E-03	1.89E-03	1.76E-03	3.65E-03	1.84E-03	1.72E-03	3.56E-03	1.82E-03	1.70E-03	3.52E-03
2313 494861.06, 3860001.99	0.047	0.0438	7.14E-03	6.93E-03	6.73E-03	6.89E-03	6.50E-03	1.89E-03	1.76E-03	3.65E-03	1.85E-03	1.72E-03	3.57E-03	1.82E-03	1.70E-03	3.52E-03
2314 494911.06, 3860001.99	0.0449	0.0425	6.82E-03	6.73E-03	6.43E-03	6.58E-03	6.21E-03	1.81E-03	1.71E-03	3.52E-03	1.76E-03	1.67E-03	3.43E-03	1.74E-03	1.65E-03	3.39E-03
2315 494961.06, 3860001.99	0.04466	0.04227	6.79E-03	6.69E-03	6.39E-03	6.55E-03	6.18E-03	1.80E-03	1.70E-03	3.50E-03	1.75E-03	1.66E-03	3.41E-03	1.73E-03	1.64E-03	3.37E-03
2316 495011.06, 3860001.99	0.04385	0.04162	6.66E-03	6.59E-03	6.28E-03	6.43E-03	6.06E-03	1.76E-03	1.67E-03	3.44E-03	1.72E-03	1.63E-03	3.36E-03	1.70E-03	1.61E-03	3.31E-03
2317 495061.06, 3860001.99	0.04364	0.04139	6.63E-03	6.55E-03	6.25E-03	6.40E-03	6.04E-03	1.76E-03	1.67E-03	3.42E-03	1.71E-03	1.63E-03	3.34E-03	1.69E-03	1.60E-03	3.29E-03
2318 495111.06, 3860001.99	0.0428	0.04075	6.50E-03	6.45E-03	6.13E-03	6.28E-03	5.92E-03	1.72E-03	1.64E-03	3.36E-03	1.68E-03	1.60E-03	3.28E-03	1.66E-03	1.58E-03	3.24E-03
2319 495161.06, 3860001.99	0.04207	0.04012	6.39E-03	6.35E-03	6.02E-03	6.17E-03	5.82E-03	1.69E-03	1.61E-03	3.31E-03	1.65E-03	1.58E-03	3.23E-03	1.63E-03	1.55E-03	3.18E-03
2320 495211.06, 3860001.99	0.04179	0.03986	6.35E-03	6.31E-03	5.98E-03	6.13E-03	5.78E-03	1.68E-03	1.60E-03	3.29E-03	1.64E-03	1.57E-03	3.21E-03	1.62E-03	1.54E-03	3.16E-03
2321 495261.06, 3860001.99	0.04125	0.0393	6.27E-03	6.22E-03	5.91E-03	6.05E-03	5.71E-03	1.66E-03	1.58E-03	3.24E-03	1.62E-03	1.54E-03	3.16E-03	1.60E-03	1.52E-03	3.12E-03
2322 495311.06, 3860001.99	0.041	0.0389	6.23E-03	6.16E-03	5.87E-03	6.01E-03	5.67E-03	1.65E-03	1.57E-03	3.22E-03	1.61E-03	1.53E-03	3.14E-03	1.59E-03	1.51E-03	3.10E-03
2323 495361.06, 3860001.99	0.04015	0.03799	6.10E-03	6.02E-03	5.75E-03	5.89E-03	5.55E-03	1.62E-03	1.53E-03	3.14E-03	1.58E-03	1.49E-03	3.07E-03	1.56E-03	1.47E-03	3.03E-03
2324 495411.06, 3860001.99	0.04001	0.03791	6.08E-03	6.00E-03	5.73E-03	5.87E-03	5.53E-03	1.61E-03	1.53E-03	3.14E-03	1.57E-03	1.49E-03	3.06E-03	1.55E-03	1.47E-03	3.02E-03
2325 495461.06, 3860001.99	0.03957	0.03745	6.01E-03	5.93E-03	5.66E-03	5.80E-03	5.47E-03	1.59E-03	1.51E-03	3.10E-03	1.55E-03	1.47E-03	3.02E-03	1.53E-03	1.45E-03	2.98E-03
2326 495511.06, 3860001.99	0.03914	0.03701	5.95E-03	5.86E-03	5.60E-03	5.74E-03	5.41E-03	1.58E-03	1.49E-03	3.06E-03	1.54E-03	1.45E-03	2.99E-03	1.52E-03	1.43E-03	2.95E-03
2327 495561.06, 3860001.99	0.03894	0.03675	5.92E-03	5.82E-03	5.57E-03	5.71E-03	5.39E-03	1.57E-03	1.48E-03	3.05E-03	1.53E-03	1.44E-03	2.97E-03	1.51E-03	1.42E-03	2.93E-03
2328 495611.06, 3860001.99	0.03817	0.03618	5.80E-03	5.73E-03	5.46E-03	5.60E-03	5.28E-03	1.54E-03	1.46E-03	2.99E-03	1.50E-03	1.42E-03	2.92E-03	1.48E-03	1.40E-03	2.88E-03
2329 495661.06, 3860001.99	0.03747	0.03563	5.69E-03	5.64E-03	5.36E-03	5.49E-03	5.18E-03	1.51E-03	1.43E-03	2.94E-03	1.47E-03	1.40E-03	2.87E-03	1.45E-03	1.38E-03	2.83E-03
2330 494411.06, 3860051.99	0.0522	0.04813	7.93E-03	7.62E-03	7.47E-03	7.65E-03	7.22E-03	2.10E-03	1.94E-03	4.04E-03	2.05E-03	1.89E-03	3.94E-03	2.02E-03	1.86E-03	3.89E-03
2331 494461.06, 3860051.99	0.05153	0.04749	7.83E-03	7.52E-03	7.38E-03	7.56E-03	7.13E-03	2.07E-03	1.91E-03	3.98E-03	2.02E-03	1.86E-03	3.89E-03	2.00E-03	1.84E-03	3.84E-03
2332 494511.06, 3860051.99	0.05085	0.04702	7.73E-03	7.44E-03	7.28E-03	7.46E-03	7.03E-03	2.05E-03	1.89E-03	3.94E-03	2.00E-03	1.85E-03	3.84E-03	1.97E-03	1.82E-03	3.79E-03
2333 494561.06, 3860051.99	0.05082	0.04768	7.72E-03	7.55E-03	7.28E-03	7.45E-03	7.03E-03	2.05E-03	1.92E-03	3.96E-03	2.00E-03	1.87E-03	3.87E-03	1.97E-03	1.85E-03	3.82E-03
2334 494611.06, 3860051.99	0.05057	0.04766	7.68E-03	7.55E-03	7.24E-03	7.41E-03	6.99E-03	2.04E-03	1.92E-03	3.95E-03	1.99E-03	1.87E-03	3.86E-03	1.96E-03	1.85E-03	3.81E-03
2335 494661.06, 3860051.99	0.05025	0.04729	7.64E-03	7.49E-03	7.19E-03	7.37E-03	6.95E-03	2.02E-03	1.90E-03	3.93E-03	1.97E-03	1.86E-03	3.83E-03	1.95E-03	1.83E-03	3.78E-03
2336 494711.06, 3860051.99	0.04926	0.04605	7.49E-03	7.29E-03	7.05E-03	7.22E-03	6.81E-03	1.98E-03	1.85E-03	3.84E-03	1.93E-03	1.81E-03	3.74E-03	1.91E-03	1.78E-03	3.69E-03
2337 494761.06, 3860051.99	0.04896	0.04577	7.44E-03	7.25E-03	7.01E-03	7.18E-03	6.77E-03	1.97E-03	1.84E-03	3.81E-03	1.92E-03	1.80E-03	3.72E-03	1.90E-03	1.77E-03	3.67E-03
2338 494811.06, 3860051.99	0.04894	0.04592	7.44E-03	7.27E-03	7.01E-03	7.18E-03	6.77E-03	1.97E-03	1.85E-03	3.82E-03	1.92E-03	1.80E-03	3.73E-03	1.90E-03	1.78E-03	3.68E-03
2339 494861.06, 3860051.99	0.04901	0.04591	7.45E-03	7.27E-03	7.02E-03	7.19E-03	6.78E-03	1.97E-03	1.85E-03	3.82E-03	1.92E-03	1.80E-03	3.73E-03	1.90E-03	1.78E-03	3.68E-03
2340 494911.06, 3860051.99	0.04808	0.04513	7.31E-03	7.15E-03	6.88E-03	7.05E-03	6.65E-03	1.93E-03	1.82E-03	3.75E-03	1.89E-03	1.77E-03	3.66E-03	1.86E-03	1.75E-03	3.61E-03
2341 494961.06, 3860051.99	0.0473	0.04404	7.19E-03	6.97E-03	6.77E-03	6.94E-03	6.54E-03	1.90E-03	1.77E-03	3.68E-03	1.86E-03	1.73E-03	3.59E-03	1.83E-03	1.71E-03	3.54E-03
2342 495011.06, 3860051.99	0.04666	0.04312	7.09E-03	6.83E-03	6.68E-03	6.84E-03	6.45E-03	1.88E-03	1.74E-03	3.61E-03	1.83E-03	1.69E-03	3.53E-03	1.81E-03	1.67E-03	3.48E-03
2343 495061.06, 3860051.99	0.04604	0.04257	7.00E-03	6.74E-03	6.59E-03	6.75E-03	6.37E-03	1.85E-03	1.71E-03	3.57E-03	1.81E-03	1.67E-03	3.48E-03	1.78E-03	1.65E-03	3.43E-03
2344 495111.06, 3860051.99	0.04505	0.04172	6.85E-03	6.61E-03	6.45E-03	6.61E-03	6.23E-03	1.81E-03	1.68E-03	3.49E-03	1.77E-03	1.64E-03	3.41E-03	1.75E-03	1.62E-03	3.36E-03
2345 495161.06, 3860051.99	0.04439	0.04137	6.75E-03	6.55E-03	6.35E-03	6.51E-03	6.14E-03	1.79E-03	1.66E-03	3.45E-03	1.74E-03	1.62E-03	3.37E-03	1.72E-03	1.60E-03	3.32E-03
2346 495211.06, 3860051.99	0.04359	0.04099	6.62E-03	6.49E-03	6.24E-03	6.39E-03	6.03E-03	1.75E-03	1.65E-03	3.40E-03	1.71E-03	1.61E-03	3.32E-03	1.69E-03	1.59E-03	3.28E-03
2347 495261.06, 3860051.99	0.04313	0.0407	6.55E-03	6.44E-03	6.17E-03	6.32E-03	5.97E-03	1.74E-03	1.64E-03	3.37E-03	1.69E-03	1.60E-03	3.29E-03	1.67E-03	1.58E-03	3.25E-03
2348 495311.06, 3860051.99	0.04286	0.04047	6.51E-03	6.41E-03	6.14E-03	6.28E-03	5.93E-03	1.72E-03	1.63E-03	3.35E-03	1.68E-03	1.59E-03	3.27E-03	1.66E-03	1.57E-03	3.23E-03
2349 495361.06, 3860051.99	0.04229	0.04006	6.43E-03	6.34E-03	6.05E-03	6.20E-03	5.85E-03	1.70E-03	1.61E-03	3.31E-03	1.66E-03	1.57E-03	3.23E-03	1.64E-03	1.55E-03	3.19E-03
2350 495411.06, 3860051.99	0.04175	0.03956	6.34E-03	6.26E-03	5.98E-03	6.12E-03	5.77E-03	1.68E-03	1.59E-03	3.27E-03	1.64E-03	1.55E-03	3.19E-03	1.62E-03	1.53E-03	3.15E-03
2351 495461.06, 3860051.99	0.04117	0.03895	6.26E-03	6.17E-03	5.89E-03	6.04E-03	5.69E-03	1.66E-03	1.57E-03	3.22E-03	1.62E-03	1.53E-03	3.15E-03	1.60E-03	1.51E-03	3.10E-03
2352 495511.06, 3860051.99	0.04088	0.03862	6.21E-03	6.11E-03	5.85E-03	5.99E-03	5.65E-03	1.65E-03	1.55E-03	3.20E-03	1.61E-03	1.52E-03	3.12E-03	1.58E-03	1.50E-03	3.08E-03
2353 495561.06, 3860051.99	0.04054	0.03813	6.16E-03	6.04E-03	5.80E-03	5.94E-03	5.61E-03	1.63E-03	1.53E-03	3.17E-03	1.59E-03	1.50E-03	3.09E-03	1.57E-03	1.48E-03	3.05E-03
2354 495611.06, 3860051.99	0.03993	0.03759	6.07E-03	5.95E-03	5.72E-03	5.85E-03	5.52E-03	1.61E-03	1.51E-03	3.12E-03	1.57E-03	1.48E-03	3.04E-03	1.55E-03	1.46E-03	3.00E-03
2355 495661.06, 3860051.99	0.03915	0.03699	5.95E-03	5.86E-03	5.60E-03	5.74E-03	5.41E-03	1.58E-03	1.49E-03	3.06E-03	1.54E-03	1.45E-03	2.99E-03	1.52E-03	1.43E-03	2.95E-03
2356 494411.06, 3860101.99	0.05329	0.04946	8.10E-03	7.83E-03	7.63E-03	7.81E-03	7.37E-03	2.14E-03	1.99E-03	4.13E-03	2.09E-03	1.94E-03	4.03E-03	2.06E-03	1.92E-03	3.98E-03
2357 494461.06, 3860101.99	0.05318	0.0496	8.08E-03	7.85E-03	7.61E-03	7.80E-03	7.36E-03	2.14E-03	2.00E-03	4.14E-03	2.09E-03	1.95E-03	4.04E-03	2.06E-03	1.92E-03	3.98E-03
2358 494511.06, 3860101.99	0.05214	0.04873	7.92E-03	7.72E-03	7.46E-03	7.65E-03	7.21E-03	2.10E-03	1.96E-03	4.06E-03	2.05E-03	1.91E-03	3.96E-03	2.02E-03	1.89E-03	3.91E-03
2359 494561.06, 3860101.99	0.05186	0.04857	7.88E-03	7.69E-03	7.42E-03	7.60E-03	7.17E-03	2.09E-03	1.95E-03	4.04E-03	2.04E-03	1.91E-03	3.94E-03	2.01E-03	1.88E-03	3.89E-03
2360 494611.06, 3860101.99	0.05201	0.04905	7.90E-03	7.77E-03	7.45E-03	7.63E-03	7.19E-03	2.09E-03	1.97E-03	4.07E-03	2.04E-03	1.93E-03	3.97E-03	2.02E-03	1.90E-03	3.92E-03
2361 494661.06, 3860101.99	0.05175	0.04874	7.86E-03	7.72E-03	7.41E-03	7.59E-03	7.16E-03	2.08E-03	1.96E-03	4.04E-03	2.03E-03	1.91E-03	3.95E-03	2.01E-03	1.89E-03	3.89E-03
2362 494711.06, 3860101.99	0.05078	0.04752	7.72E-03	7.52E-03	7.27E-03	7.45E-03	7.02E-03	2.04E-03	1.91E-03	3.96E-03	1.99E-03	1.87E-03	3.86E-03	1.97E-03	1.84E-03	3.81E-03
2363 494761.06, 3860101.99	0.05043	0.04726	7.66E-03	7.48E-03	7.22E-03	7.39E-03	6.97E-03	2.03E-03	1.90E-03	3.93E-03	1.98E-03	1.86E-03	3.84E-03	1.95E-03	1.83E-03	3.79E-03
2364 494811.06, 3860101.99	0.05012	0.04705	7.62E-03	7.45E-03	7.18E-03	7.35E-03	6.93E-03	2.02E-03	1.89E-03	3.91E-03	1.97E-03	1.85E-03	3.82E-03	1.94E-03	1.82E-03	3.77E-03
2365 494861.06, 3860101.99	0.05108	0.04763	7.76E-03	7.54E-03	7.31E-03	7.49E-03	7.06E-03	2.06E-03	1.92E-03	3.97E-03	2.01E-03	1.87E-03	3.88E-03	1.98E-03	1.85E-03	3.82E-03
2366 494911.06, 3860101.99	0.04899	0.04577	7.44E-03	7.25E-03	7.01E-03	7.18E-03	6.78E-03	1.97E-03	1.84E-03	3.81E-03	1.92E-03	1.80E-03	3.72E-03	1.90E-03	1.77E-03	3.67E-03
2367 494961.06, 3860101.99	0.04861	0.04546	7.39E-03	7.20E-03	6.96E-03	7.13E-03	6.72E-03	1.96E-03	1.83E-03	3.79E-03	1.91E-03	1.79E-03	3.69E-03	1.88E-03	1.76E-03	3.65E-03
2368 495011.06, 3860101.99	0.048	0.04454	7.29E-03	7.05E-03	6.87E-03	7.04E-03	6.64E-03	1.93E-03	1.79E-03	3.72E-03	1.88E-03	1.75E-03	3.63E-03	1.86E-03	1.73E-03	3.59E-03
2369 495061.06, 3860101.99	0.04744	0.0438	7.21E-03	6.93E-03	6.79E-03	6.96E-03	6.56E-03	1.91E-03	1.76E-03	3.67E-03	1.86E-03	1.72E-03	3.58E-03	1.84E-03	1.70E-03	3.54E-03
2370 495111.06, 3860101.99	0.04669	0.04283	7.09E-03	6.78E-03	6.68E-03	6.85E-03	6.46E-03	1.88E-03	1.72E-03	3.60E-03	1.83E-03	1.68E-03	3.52E-03	1.81E-03	1.66E-03	3.47E-03
2371 495161.06, 3860101.99	0.04642	0.04256	7.05E-03	6.74E-03	6.65E-03	6.81E-03	6.42E-03	1.87E-03	1.71E-03	3.58E-03	1.82E-03	1.67E-03	3.49E-03	1.80E-03	1.65E-03	3.45E-03
2372 495211.06, 3860101.99	0.04598	0.04206	6.99E-03	6.66E-03	6.58E-03	6.74E-03	6.36E-03	1.85E-03	1.69E-03	3.54E-03	1.81E-03	1.65E-03	3.46E-03	1.78E-03	1.63E-03	3.41E-03

2373 495261.06, 3860101.99	0.04552	0.04154	6.92E-03	6.58E-03	6.52E-03	6.67E-03	6.30E-03	1.83E-03	1.67E-03	3.50E-03	1.79E-03	1.63E-03	3.42E-03	1.76E-03	1.61E-03	3.37E-03
2374 495311.06, 3860101.99	0.04501	0.04117	6.84E-03	6.52E-03	6.44E-03	6.60E-03	6.23E-03	1.81E-03	1.66E-03	3.47E-03	1.77E-03	1.62E-03	3.38E-03	1.74E-03	1.60E-03	3.34E-03
2375 495361.06, 3860101.99	0.04469	0.04099	6.79E-03	6.49E-03	6.40E-03	6.55E-03	6.18E-03	1.80E-03	1.65E-03	3.45E-03	1.75E-03	1.61E-03	3.36E-03	1.73E-03	1.59E-03	3.32E-03
2376 495411.06, 3860101.99	0.04403	0.04061	6.69E-03	6.43E-03	6.30E-03	6.46E-03	6.09E-03	1.77E-03	1.63E-03	3.41E-03	1.73E-03	1.59E-03	3.32E-03	1.71E-03	1.57E-03	3.28E-03
2377 495461.06, 3860101.99	0.04306	0.04009	6.54E-03	6.35E-03	6.16E-03	6.31E-03	5.96E-03	1.73E-03	1.61E-03	3.35E-03	1.69E-03	1.57E-03	3.27E-03	1.67E-03	1.55E-03	3.22E-03
2378 495511.06, 3860101.99	0.04275	0.03992	6.50E-03	6.32E-03	6.12E-03	6.27E-03	5.91E-03	1.72E-03	1.61E-03	3.33E-03	1.68E-03	1.57E-03	3.25E-03	1.66E-03	1.55E-03	3.20E-03
2379 495561.06, 3860101.99	0.04245	0.03974	6.45E-03	6.29E-03	6.08E-03	6.22E-03	5.87E-03	1.71E-03	1.60E-03	3.31E-03	1.67E-03	1.56E-03	3.23E-03	1.64E-03	1.54E-03	3.18E-03
2380 495611.06, 3860101.99	0.0416	0.03924	6.32E-03	6.21E-03	5.96E-03	6.10E-03	5.75E-03	1.67E-03	1.58E-03	3.25E-03	1.63E-03	1.54E-03	3.17E-03	1.61E-03	1.52E-03	3.13E-03
2381 495661.06, 3860101.99	0.0411	0.03887	6.25E-03	6.15E-03	5.88E-03	6.03E-03	5.68E-03	1.65E-03	1.56E-03	3.22E-03	1.61E-03	1.53E-03	3.14E-03	1.59E-03	1.51E-03	3.10E-03
2382 494861.06, 3860151.99	0.05355	0.05051	8.14E-03	8.00E-03	7.67E-03	7.85E-03	7.41E-03	2.16E-03	2.03E-03	4.19E-03	2.10E-03	1.98E-03	4.09E-03	2.07E-03	1.96E-03	4.03E-03
2383 494911.06, 3860151.99	0.05096	0.04802	7.74E-03	7.60E-03	7.30E-03	7.47E-03	7.05E-03	2.05E-03	1.93E-03	3.98E-03	2.00E-03	1.89E-03	3.89E-03	1.97E-03	1.86E-03	3.84E-03
2384 494961.06, 3860151.99	0.05022	0.0472	7.63E-03	7.47E-03	7.19E-03	7.36E-03	6.95E-03	2.02E-03	1.90E-03	3.92E-03	1.97E-03	1.85E-03	3.83E-03	1.95E-03	1.83E-03	3.77E-03
2385 495011.06, 3860151.99	0.0495	0.04636	7.52E-03	7.34E-03	7.09E-03	7.26E-03	6.85E-03	1.99E-03	1.87E-03	3.86E-03	1.94E-03	1.82E-03	3.76E-03	1.92E-03	1.80E-03	3.71E-03
2386 495061.06, 3860151.99	0.04884	0.04568	7.42E-03	7.23E-03	6.99E-03	7.16E-03	6.75E-03	1.97E-03	1.84E-03	3.80E-03	1.92E-03	1.79E-03	3.71E-03	1.89E-03	1.77E-03	3.66E-03
2387 495111.06, 3860151.99	0.04832	0.04517	7.34E-03	7.15E-03	6.92E-03	7.09E-03	6.68E-03	1.94E-03	1.82E-03	3.76E-03	1.90E-03	1.77E-03	3.67E-03	1.87E-03	1.75E-03	3.62E-03
2388 495161.06, 3860151.99	0.04787	0.04468	7.27E-03	7.07E-03	6.85E-03	7.02E-03	6.62E-03	1.93E-03	1.80E-03	3.72E-03	1.88E-03	1.75E-03	3.63E-03	1.85E-03	1.73E-03	3.59E-03
2389 495211.06, 3860151.99	0.04735	0.04408	7.19E-03	6.98E-03	6.78E-03	6.94E-03	6.55E-03	1.91E-03	1.77E-03	3.68E-03	1.86E-03	1.73E-03	3.59E-03	1.83E-03	1.71E-03	3.54E-03
2390 495261.06, 3860151.99	0.04696	0.04365	7.14E-03	6.91E-03	6.72E-03	6.89E-03	6.49E-03	1.89E-03	1.76E-03	3.65E-03	1.84E-03	1.71E-03	3.56E-03	1.82E-03	1.69E-03	3.51E-03
2391 495311.06, 3860151.99	0.04657	0.0432	7.08E-03	6.84E-03	6.67E-03	6.83E-03	6.44E-03	1.87E-03	1.74E-03	3.61E-03	1.83E-03	1.70E-03	3.53E-03	1.80E-03	1.67E-03	3.48E-03
2392 495361.06, 3860151.99	0.04622	0.04282	7.02E-03	6.78E-03	6.62E-03	6.78E-03	6.39E-03	1.86E-03	1.72E-03	3.58E-03	1.82E-03	1.68E-03	3.50E-03	1.79E-03	1.66E-03	3.45E-03
2393 495411.06, 3860151.99	0.04581	0.04231	6.96E-03	6.70E-03	6.56E-03	6.72E-03	6.34E-03	1.84E-03	1.70E-03	3.55E-03	1.80E-03	1.66E-03	3.46E-03	1.78E-03	1.64E-03	3.41E-03
2394 495461.06, 3860151.99	0.0454	0.04183	6.90E-03	6.62E-03	6.50E-03	6.66E-03	6.28E-03	1.83E-03	1.68E-03	3.51E-03	1.78E-03	1.64E-03	3.43E-03	1.76E-03	1.62E-03	3.38E-03
2395 495511.06, 3860151.99	0.04485	0.04122	6.82E-03	6.53E-03	6.42E-03	6.58E-03	6.20E-03	1.80E-03	1.66E-03	3.46E-03	1.76E-03	1.62E-03	3.38E-03	1.74E-03	1.60E-03	3.34E-03
2396 495561.06, 3860151.99	0.04448	0.04086	6.76E-03	6.47E-03	6.37E-03	6.52E-03	6.15E-03	1.79E-03	1.64E-03	3.43E-03	1.75E-03	1.60E-03	3.35E-03	1.72E-03	1.58E-03	3.31E-03
2397 495611.06, 3860151.99	0.0439	0.04041	6.67E-03	6.40E-03	6.28E-03	6.44E-03	6.07E-03	1.77E-03	1.63E-03	3.39E-03	1.72E-03	1.59E-03	3.31E-03	1.70E-03	1.57E-03	3.27E-03
2398 495661.06, 3860151.99	0.04322	0.03999	6.57E-03	6.33E-03	6.19E-03	6.34E-03	5.98E-03	1.74E-03	1.61E-03	3.35E-03	1.70E-03	1.57E-03	3.27E-03	1.67E-03	1.55E-03	3.22E-03
2399 495718.25, 3859442.96	0.02395	0.02463	3.64E-03	3.90E-03	3.43E-03	3.51E-03	3.31E-03	9.64E-04	9.91E-04	1.96E-03	9.41E-04	9.67E-04	1.91E-03	9.28E-04	9.54E-04	1.88E-03
2400 495818.25, 3859442.96	0.02343	0.02424	3.56E-03	3.84E-03	3.35E-03	3.44E-03	3.24E-03	9.43E-04	9.75E-04	1.92E-03	9.20E-04	9.52E-04	1.87E-03	9.08E-04	9.39E-04	1.85E-03
2401 495918.25, 3859442.96	0.02316	0.02395	3.52E-03	3.79E-03	3.32E-03	3.40E-03	3.20E-03	9.32E-04	9.64E-04	1.90E-03	9.09E-04	9.41E-04	1.85E-03	8.97E-04	9.28E-04	1.83E-03
2402 496018.25, 3859442.96	0.02287	0.02373	3.48E-03	3.76E-03	3.27E-03	3.35E-03	3.16E-03	9.20E-04	9.55E-04	1.88E-03	8.98E-04	9.32E-04	1.83E-03	8.86E-04	9.20E-04	1.81E-03
2403 496118.25, 3859442.96	0.02303	0.02383	3.50E-03	3.77E-03	3.30E-03	3.38E-03	3.19E-03	9.27E-04	9.59E-04	1.89E-03	9.04E-04	9.36E-04	1.84E-03	8.92E-04	9.23E-04	1.82E-03
2404 496218.25, 3859442.96	0.02302	0.02366	3.50E-03	3.75E-03	3.30E-03	3.38E-03	3.18E-03	9.26E-04	9.52E-04	1.88E-03	9.04E-04	9.29E-04	1.83E-03	8.92E-04	9.17E-04	1.81E-03
2405 496318.25, 3859442.96	0.02283	0.02342	3.47E-03	3.71E-03	3.27E-03	3.35E-03	3.16E-03	9.19E-04	9.42E-04	1.86E-03	8.97E-04	9.20E-04	1.82E-03	8.85E-04	9.07E-04	1.79E-03
2406 496418.25, 3859442.96	0.02258	0.02311	3.43E-03	3.66E-03	3.23E-03	3.31E-03	3.12E-03	9.09E-04	9.30E-04	1.84E-03	8.87E-04	9.08E-04	1.79E-03	8.75E-04	8.95E-04	1.77E-03
2407 495718.25, 3859542.96	0.0256	0.02581	3.89E-03	4.09E-03	3.66E-03	3.75E-03	3.54E-03	1.03E-03	1.04E-03	2.07E-03	1.01E-03	1.01E-03	2.02E-03	9.92E-04	1.00E-03	1.99E-03
2408 495818.25, 3859542.96	0.02505	0.02549	3.81E-03	4.04E-03	3.59E-03	3.67E-03	3.46E-03	1.01E-03	1.03E-03	2.03E-03	9.84E-04	1.00E-03	1.98E-03	9.71E-04	9.88E-04	1.96E-03
2409 495918.25, 3859542.96	0.02455	0.02504	3.73E-03	3.96E-03	3.51E-03	3.60E-03	3.40E-03	9.88E-04	1.01E-03	2.00E-03	9.64E-04	9.83E-04	1.95E-03	9.51E-04	9.70E-04	1.92E-03
2410 496018.25, 3859542.96	0.02413	0.02475	3.67E-03	3.92E-03	3.45E-03	3.54E-03	3.34E-03	9.71E-04	9.96E-04	1.97E-03	9.48E-04	9.72E-04	1.92E-03	9.35E-04	9.59E-04	1.89E-03
2411 496118.25, 3859542.96	0.02448	0.02492	3.72E-03	3.95E-03	3.50E-03	3.59E-03	3.39E-03	9.85E-04	1.00E-03	1.99E-03	9.61E-04	9.79E-04	1.94E-03	9.49E-04	9.66E-04	1.91E-03
2412 496218.25, 3859542.96	0.02462	0.02502	3.74E-03	3.96E-03	3.52E-03	3.61E-03	3.41E-03	9.91E-04	1.01E-03	2.00E-03	9.67E-04	9.83E-04	1.95E-03	9.54E-04	9.69E-04	1.92E-03
2413 496318.25, 3859542.96	0.02472	0.02514	3.76E-03	3.98E-03	3.54E-03	3.62E-03	3.42E-03	9.95E-04	1.01E-03	2.01E-03	9.71E-04	9.87E-04	1.96E-03	9.58E-04	9.74E-04	1.93E-03
2414 496418.25, 3859542.96	0.02415	0.02462	3.67E-03	3.90E-03	3.46E-03	3.54E-03	3.34E-03	9.72E-04	9.91E-04	1.96E-03	9.48E-04	9.67E-04	1.92E-03	9.36E-04	9.54E-04	1.89E-03
2415 495718.25, 3859642.96	0.02786	0.02741	4.23E-03	4.34E-03	3.99E-03	4.09E-03	3.85E-03	1.12E-03	1.10E-03	2.22E-03	1.09E-03	1.08E-03	2.17E-03	1.08E-03	1.06E-03	2.14E-03
2416 495818.25, 3859642.96	0.02711	0.02695	4.12E-03	4.27E-03	3.88E-03	3.98E-03	3.75E-03	1.09E-03	1.08E-03	2.18E-03	1.06E-03	1.06E-03	2.12E-03	1.05E-03	1.04E-03	2.09E-03
2417 495918.25, 3859642.96	0.02683	0.02675	4.08E-03	4.24E-03	3.84E-03	3.93E-03	3.71E-03	1.08E-03	1.08E-03	2.16E-03	1.05E-03	1.05E-03	2.10E-03	1.04E-03	1.04E-03	2.08E-03
2418 496018.25, 3859642.96	0.0263	0.02632	4.00E-03	4.17E-03	3.77E-03	3.86E-03	3.64E-03	1.06E-03	1.06E-03	2.12E-03	1.03E-03	1.03E-03	2.07E-03	1.02E-03	1.02E-03	2.04E-03
2419 496118.25, 3859642.96	0.02709	0.02694	4.12E-03	4.27E-03	3.88E-03	3.97E-03	3.75E-03	1.09E-03	1.08E-03	2.17E-03	1.06E-03	1.06E-03	2.12E-03	1.05E-03	1.04E-03	2.09E-03
2420 496218.25, 3859642.96	0.02745	0.02705	4.17E-03	4.28E-03	3.93E-03	4.02E-03	3.80E-03	1.10E-03	1.09E-03	2.19E-03	1.08E-03	1.06E-03	2.14E-03	1.06E-03	1.05E-03	2.11E-03
2421 496318.25, 3859642.96	0.02689	0.02658	4.09E-03	4.21E-03	3.85E-03	3.94E-03	3.72E-03	1.08E-03	1.07E-03	2.15E-03	1.06E-03	1.04E-03	2.10E-03	1.04E-03	1.03E-03	2.07E-03
2422 496418.25, 3859642.96	0.02467	0.02516	3.75E-03	3.98E-03	3.53E-03	3.62E-03	3.41E-03	9.93E-04	1.01E-03	2.01E-03	9.69E-04	9.88E-04	1.96E-03	9.56E-04	9.75E-04	1.93E-03
2423 495718.25, 3859742.96	0.03125	0.02964	4.75E-03	4.69E-03	4.47E-03	4.58E-03	4.32E-03	1.26E-03	1.19E-03	2.45E-03	1.23E-03	1.16E-03	2.39E-03	1.21E-03	1.15E-03	2.36E-03
2424 495818.25, 3859742.96	0.03043	0.02892	4.62E-03	4.58E-03	4.36E-03	4.46E-03	4.21E-03	1.22E-03	1.16E-03	2.39E-03	1.19E-03	1.14E-03	2.33E-03	1.18E-03	1.12E-03	2.30E-03
2425 495918.25, 3859742.96	0.02983	0.02844	4.53E-03	4.50E-03	4.27E-03	4.37E-03	4.13E-03	1.20E-03	1.14E-03	2.34E-03	1.17E-03	1.12E-03	2.29E-03	1.16E-03	1.10E-03	2.26E-03
2426 496018.25, 3859742.96	0.02915	0.02809	4.43E-03	4.45E-03	4.17E-03	4.27E-03	4.03E-03	1.17E-03	1.13E-03	2.30E-03	1.14E-03	1.10E-03	2.25E-03	1.13E-03	1.09E-03	2.22E-03
2427 496118.25, 3859742.96	0.02958	0.02819	4.49E-03	4.46E-03	4.23E-03	4.34E-03	4.09E-03	1.19E-03	1.13E-03	2.32E-03	1.16E-03	1.11E-03	2.27E-03	1.15E-03	1.09E-03	2.24E-03
2428 496218.25, 3859742.96	0.0299	0.02848	4.54E-03	4.51E-03	4.28E-03	4.38E-03	4.14E-03	1.20E-03	1.15E-03	2.35E-03	1.17E-03	1.12E-03	2.29E-03	1.16E-03	1.10E-03	2.26E-03
2429 496318.25, 3859742.96	0.02845	0.02761	4.32E-03	4.37E-03	4.07E-03	4.17E-03	3.93E-03	1.14E-03	1.11E-03	2.26E-03	1.12E-03	1.08E-03	2.20E-03	1.10E-03	1.07E-03	2.17E-03
2430 496418.25, 3859742.96	0.02619	0.02579	3.98E-03	4.08E-03	3.75E-03	3.84E-03	3.62E-03	1.05E-03	1.04E-03	2.09E-03	1.03E-03	1.01E-03	2.04E-03	1.01E-03	9.99E-04	2.01E-03
2431 495718.25, 3859842.96	0.03298	0.0319	5.01E-03	5.05E-03	4.72E-03	4.84E-03	4.56E-03	1.33E-03	1.28E-03	2.61E-03	1.30E-03	1.25E-03	2.55E-03	1.28E-03	1.24E-03	2.51E-03
2432 495818.25, 3859842.96	0.03249	0.03127	4.94E-03	4.95E-03	4.65E-03	4.76E-03	4.49E-03	1.31E-03	1.26E-03	2.57E-03	1.28E-03	1.23E-03	2.50E-03	1.26E-03	1.21E-03	2.47E-03
2433 495918.25, 3859842.96	0.03202	0.03064	4.87E-03	4.85E-03	4.58E-03	4.70E-03	4.43E-03	1.29E-03	1.23E-03	2.52E-03	1.26E-03	1.20E-03	2.46E-03	1.24E-03	1.19E-03	2.43E-03
2434 496018.25, 3859842.96	0.03174	0.03034	4.82E-03	4.80E-03	4.54E-03	4.65E-03	4.39E-03	1.28E-03	1.22E-03	2.50E-03	1.25E-03	1.19E-03	2.44E-03	1.23E-03	1.18E-03	2.41E-03
2435 496118.25, 3859842.96	0.032	0.03076	4.86E-03	4.87E-03	4.58E-03	4.69E-03	4.43E-03	1.29E-03	1.24E-03	2.53E-03	1.26E-03	1.21E-03	2.46E-03	1.24E-03	1.19E-03	2.43E-03
2436 496218.25, 3859842.96	0.03099	0.02948	4.71E-03	4.67E-03	4.44E-03	4.54E-03	4.29E-03	1.25E-03	1.19E-03	2.43E-03	1.22E-03	1.16E-03	2.37E-03	1.20E-03	1.14E-03	2.34E-03
2437 496318.25, 3859842.96	0.02742	0.02676	4.17E-03	4.24E-03	3.93E-03	4.02E-03	3.79E-03	1.10E-03	1.08E-03	2.18E-03	1.08E-03	1.05E-03	2.13E-03	1.06E-03	1.04E-03	2.10E-03
2438 496418.25, 3859842.96	0.0251	0.02504	3.81E-03	3.96E-03	3.59E-03	3.68E-03	3.47E-03	1.01E-03	1.01E-03	2.02E-03	9.86E-04	9.83E-04	1.97E-03	9.73E-04	9.70E-04	1.94E-03

2439 495718.25, 3859942.96	0.03515	0.03422	5.34E-03	5.42E-03	5.03E-03	5.15E-03	4.86E-03	1.41E-03	1.38E-03	2.79E-03	1.38E-03	1.34E-03	2.72E-03	1.36E-03	1.33E-03	2.69E-03
2440 495818.25, 3859942.96	0.0344	0.03343	5.23E-03	5.29E-03	4.92E-03	5.04E-03	4.76E-03	1.38E-03	1.35E-03	2.73E-03	1.35E-03	1.31E-03	2.66E-03	1.33E-03	1.30E-03	2.63E-03
2441 495918.25, 3859942.96	0.03399	0.03299	5.16E-03	5.22E-03	4.87E-03	4.98E-03	4.70E-03	1.37E-03	1.33E-03	2.70E-03	1.33E-03	1.30E-03	2.63E-03	1.32E-03	1.28E-03	2.60E-03
2442 496018.25, 3859942.96	0.03439	0.0334	5.23E-03	5.29E-03	4.92E-03	5.04E-03	4.76E-03	1.38E-03	1.34E-03	2.73E-03	1.35E-03	1.31E-03	2.66E-03	1.33E-03	1.29E-03	2.63E-03
2443 496118.25, 3859942.96	0.0331	0.03176	5.03E-03	5.03E-03	4.74E-03	4.85E-03	4.58E-03	1.33E-03	1.28E-03	2.61E-03	1.30E-03	1.25E-03	2.55E-03	1.28E-03	1.23E-03	2.51E-03
2444 496218.25, 3859942.96	0.03142	0.02977	4.77E-03	4.71E-03	4.50E-03	4.61E-03	4.35E-03	1.26E-03	1.20E-03	2.46E-03	1.23E-03	1.17E-03	2.40E-03	1.22E-03	1.15E-03	2.37E-03
2445 496318.25, 3859942.96	0.02932	0.02849	4.46E-03	4.51E-03	4.20E-03	4.30E-03	4.06E-03	1.18E-03	1.15E-03	2.33E-03	1.15E-03	1.12E-03	2.27E-03	1.14E-03	1.10E-03	2.24E-03
2446 496418.25, 3859942.96	0.02593	0.02584	3.94E-03	4.09E-03	3.71E-03	3.80E-03	3.59E-03	1.04E-03	1.04E-03	2.08E-03	1.02E-03	1.01E-03	2.03E-03	1.00E-03	1.00E-03	2.01E-03
2447 496856.82, 3858864.83	0.01659	0.01792	2.52E-03	2.84E-03	2.38E-03	2.43E-03	2.29E-03	6.68E-04	7.21E-04	1.39E-03	6.51E-04	7.04E-04	1.36E-03	6.43E-04	6.94E-04	1.34E-03
2448 496956.82, 3858864.83	0.01627	0.01751	2.47E-03	2.77E-03	2.33E-03	2.39E-03	2.25E-03	6.55E-04	7.05E-04	1.36E-03	6.39E-04	6.88E-04	1.33E-03	6.30E-04	6.78E-04	1.31E-03
2449 497056.82, 3858864.83	0.01609	0.0173	2.44E-03	2.74E-03	2.30E-03	2.36E-03	2.23E-03	6.48E-04	6.96E-04	1.34E-03	6.32E-04	6.79E-04	1.31E-03	6.23E-04	6.70E-04	1.29E-03
2450 497156.82, 3858864.83	0.01603	0.01694	2.44E-03	2.68E-03	2.29E-03	2.35E-03	2.22E-03	6.45E-04	6.82E-04	1.33E-03	6.29E-04	6.65E-04	1.29E-03	6.21E-04	6.56E-04	1.28E-03
2451 497256.82, 3858864.83	0.01602	0.01699	2.43E-03	2.69E-03	2.29E-03	2.35E-03	2.22E-03	6.45E-04	6.84E-04	1.33E-03	6.29E-04	6.67E-04	1.30E-03	6.21E-04	6.58E-04	1.28E-03
2452 496856.82, 3858964.83	0.01755	0.01905	2.67E-03	3.02E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	7.67E-04	1.47E-03	6.89E-04	7.48E-04	1.44E-03	6.80E-04	7.38E-04	1.42E-03
2453 496956.82, 3858964.83	0.01708	0.01874	2.60E-03	2.97E-03	2.45E-03	2.50E-03	2.36E-03	6.87E-04	7.54E-04	1.44E-03	6.71E-04	7.36E-04	1.41E-03	6.62E-04	7.26E-04	1.39E-03
2454 497056.82, 3858964.83	0.01672	0.01835	2.54E-03	2.91E-03	2.39E-03	2.45E-03	2.31E-03	6.73E-04	7.38E-04	1.41E-03	6.57E-04	7.21E-04	1.38E-03	6.48E-04	7.11E-04	1.36E-03
2455 497156.82, 3858964.83	0.01645	0.01792	2.50E-03	2.84E-03	2.35E-03	2.41E-03	2.28E-03	6.62E-04	7.21E-04	1.38E-03	6.46E-04	7.04E-04	1.35E-03	6.37E-04	6.94E-04	1.33E-03
2456 497256.82, 3858964.83	0.01663	0.01809	2.53E-03	2.86E-03	2.38E-03	2.44E-03	2.30E-03	6.69E-04	7.28E-04	1.40E-03	6.53E-04	7.10E-04	1.36E-03	6.44E-04	7.01E-04	1.35E-03
2457 496856.82, 3859064.83	0.01801	0.01925	2.74E-03	3.05E-03	2.58E-03	2.64E-03	2.49E-03	7.25E-04	7.75E-04	1.50E-03	7.07E-04	7.56E-04	1.46E-03	6.98E-04	7.46E-04	1.44E-03
2458 496956.82, 3859064.83	0.01786	0.01905	2.71E-03	3.02E-03	2.56E-03	2.62E-03	2.47E-03	7.19E-04	7.67E-04	1.49E-03	7.01E-04	7.48E-04	1.45E-03	6.92E-04	7.38E-04	1.43E-03
2459 497056.82, 3859064.83	0.01761	0.01905	2.68E-03	3.02E-03	2.52E-03	2.58E-03	2.44E-03	7.09E-04	7.67E-04	1.48E-03	6.92E-04	7.48E-04	1.44E-03	6.82E-04	7.38E-04	1.42E-03
2460 497156.82, 3859064.83	0.01737	0.01897	2.64E-03	3.00E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.63E-04	1.46E-03	6.82E-04	7.45E-04	1.43E-03	6.73E-04	7.35E-04	1.41E-03
2461 497256.82, 3859064.83	0.01763	0.01922	2.68E-03	3.04E-03	2.52E-03	2.59E-03	2.44E-03	7.09E-04	7.73E-04	1.48E-03	6.92E-04	7.55E-04	1.45E-03	6.83E-04	7.45E-04	1.43E-03
2462 496856.82, 3859164.83	0.01848	0.01931	2.81E-03	3.06E-03	2.65E-03	2.71E-03	2.56E-03	7.44E-04	7.77E-04	1.52E-03	7.26E-04	7.58E-04	1.48E-03	7.16E-04	7.48E-04	1.46E-03
2463 496956.82, 3859164.83	0.01818	0.01903	2.76E-03	3.01E-03	2.60E-03	2.67E-03	2.51E-03	7.32E-04	7.66E-04	1.50E-03	7.14E-04	7.47E-04	1.46E-03	7.04E-04	7.37E-04	1.44E-03
2464 497056.82, 3859164.83	0.01809	0.01898	2.75E-03	3.01E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	7.64E-04	1.49E-03	7.10E-04	7.45E-04	1.46E-03	7.01E-04	7.35E-04	1.44E-03
2465 497156.82, 3859164.83	0.01813	0.01928	2.75E-03	3.05E-03	2.60E-03	2.66E-03	2.51E-03	7.30E-04	7.76E-04	1.51E-03	7.12E-04	7.57E-04	1.47E-03	7.03E-04	7.47E-04	1.45E-03
2466 497256.82, 3859164.83	0.01874	0.01988	2.85E-03	3.15E-03	2.68E-03	2.75E-03	2.59E-03	7.54E-04	8.00E-04	1.55E-03	7.36E-04	7.81E-04	1.52E-03	7.26E-04	7.70E-04	1.50E-03
2467 496856.82, 3859264.83	0.01901	0.01975	2.89E-03	3.13E-03	2.72E-03	2.79E-03	2.63E-03	7.65E-04	7.95E-04	1.56E-03	7.47E-04	7.76E-04	1.52E-03	7.37E-04	7.65E-04	1.50E-03
2468 496956.82, 3859264.83	0.01902	0.01961	2.89E-03	3.10E-03	2.72E-03	2.79E-03	2.63E-03	7.65E-04	7.89E-04	1.55E-03	7.47E-04	7.70E-04	1.52E-03	7.37E-04	7.60E-04	1.50E-03
2469 497056.82, 3859264.83	0.01914	0.0198	2.91E-03	3.13E-03	2.74E-03	2.81E-03	2.65E-03	7.70E-04	7.97E-04	1.57E-03	7.52E-04	7.78E-04	1.53E-03	7.42E-04	7.67E-04	1.51E-03
2470 497156.82, 3859264.83	0.01923	0.02001	2.92E-03	3.17E-03	2.75E-03	2.82E-03	2.66E-03	7.74E-04	8.05E-04	1.58E-03	7.55E-04	7.86E-04	1.54E-03	7.45E-04	7.75E-04	1.52E-03
2471 497256.82, 3859264.83	0.01954	0.02039	2.97E-03	3.23E-03	2.80E-03	2.87E-03	2.70E-03	7.86E-04	8.21E-04	1.61E-03	7.67E-04	8.01E-04	1.57E-03	7.57E-04	7.90E-04	1.55E-03
2472 497088.92, 3858620.93	0.01453	0.01521	2.21E-03	2.41E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	6.12E-04	1.20E-03	5.71E-04	5.97E-04	1.17E-03	5.63E-04	5.89E-04	1.15E-03
2473 497138.92, 3858620.93	0.01456	0.01524	2.21E-03	2.41E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	6.13E-04	1.20E-03	5.72E-04	5.98E-04	1.17E-03	5.64E-04	5.91E-04	1.15E-03
2474 497188.92, 3858620.93	0.0144	0.01525	2.19E-03	2.41E-03	2.06E-03	2.11E-03	1.99E-03	5.80E-04	6.14E-04	1.19E-03	5.65E-04	5.99E-04	1.16E-03	5.58E-04	5.91E-04	1.15E-03
2475 497238.92, 3858620.93	0.01447	0.01526	2.20E-03	2.42E-03	2.07E-03	2.12E-03	2.00E-03	5.82E-04	6.14E-04	1.20E-03	5.68E-04	5.99E-04	1.17E-03	5.61E-04	5.91E-04	1.15E-03
2476 497088.92, 3858670.93	0.01476	0.01541	2.24E-03	2.44E-03	2.11E-03	2.16E-03	2.04E-03	5.94E-04	6.20E-04	1.21E-03	5.80E-04	6.05E-04	1.18E-03	5.72E-04	5.97E-04	1.17E-03
2477 497138.92, 3858670.93	0.01488	0.01545	2.26E-03	2.45E-03	2.13E-03	2.18E-03	2.06E-03	5.99E-04	6.22E-04	1.22E-03	5.84E-04	6.07E-04	1.19E-03	5.77E-04	5.99E-04	1.18E-03
2478 497188.92, 3858670.93	0.0148	0.01537	2.25E-03	2.43E-03	2.12E-03	2.17E-03	2.05E-03	5.96E-04	6.19E-04	1.21E-03	5.81E-04	6.04E-04	1.18E-03	5.73E-04	5.96E-04	1.17E-03
2479 497238.92, 3858670.93	0.01481	0.01536	2.25E-03	2.43E-03	2.12E-03	2.17E-03	2.05E-03	5.96E-04	6.18E-04	1.21E-03	5.82E-04	6.03E-04	1.18E-03	5.74E-04	5.95E-04	1.17E-03
2480 497088.92, 3858720.93	0.01518	0.0158	2.31E-03	2.50E-03	2.17E-03	2.23E-03	2.10E-03	6.11E-04	6.36E-04	1.25E-03	5.96E-04	6.20E-04	1.22E-03	5.88E-04	6.12E-04	1.20E-03
2481 497138.92, 3858720.93	0.01498	0.01556	2.28E-03	2.46E-03	2.14E-03	2.20E-03	2.07E-03	6.03E-04	6.26E-04	1.23E-03	5.88E-04	6.11E-04	1.20E-03	5.80E-04	6.03E-04	1.18E-03
2482 497188.92, 3858720.93	0.01495	0.01553	2.27E-03	2.46E-03	2.14E-03	2.19E-03	2.07E-03	6.02E-04	6.25E-04	1.23E-03	5.87E-04	6.10E-04	1.20E-03	5.79E-04	6.02E-04	1.18E-03
2483 497238.92, 3858720.93	0.01506	0.01568	2.29E-03	2.48E-03	2.16E-03	2.21E-03	2.08E-03	6.06E-04	6.31E-04	1.24E-03	5.91E-04	6.16E-04	1.21E-03	5.84E-04	6.08E-04	1.19E-03
2484 497088.92, 3858770.93	0.01537	0.01619	2.34E-03	2.56E-03	2.20E-03	2.25E-03	2.13E-03	6.19E-04	6.52E-04	1.27E-03	6.04E-04	6.36E-04	1.24E-03	5.96E-04	6.27E-04	1.22E-03
2485 497138.92, 3858770.93	0.0153	0.01603	2.32E-03	2.54E-03	2.19E-03	2.24E-03	2.12E-03	6.16E-04	6.45E-04	1.26E-03	6.01E-04	6.29E-04	1.23E-03	5.93E-04	6.21E-04	1.21E-03
2486 497188.92, 3858770.93	0.0152	0.01594	2.31E-03	2.52E-03	2.18E-03	2.23E-03	2.10E-03	6.12E-04	6.41E-04	1.25E-03	5.97E-04	6.26E-04	1.22E-03	5.89E-04	6.18E-04	1.21E-03
2487 497238.92, 3858770.93	0.0153	0.01614	2.32E-03	2.56E-03	2.19E-03	2.24E-03	2.12E-03	6.16E-04	6.50E-04	1.27E-03	6.01E-04	6.34E-04	1.23E-03	5.93E-04	6.25E-04	1.22E-03
2488 497396.65, 3858622.63	0.01506	0.01585	2.29E-03	2.51E-03	2.16E-03	2.21E-03	2.08E-03	6.06E-04	6.38E-04	1.24E-03	5.91E-04	6.22E-04	1.21E-03	5.84E-04	6.14E-04	1.20E-03
2489 497496.65, 3858622.63	0.01545	0.01628	2.35E-03	2.58E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.55E-04	1.28E-03	6.07E-04	6.39E-04	1.25E-03	5.99E-04	6.31E-04	1.23E-03
2490 497596.65, 3858622.63	0.01616	0.01691	2.46E-03	2.68E-03	2.31E-03	2.37E-03	2.24E-03	6.50E-04	6.81E-04	1.33E-03	6.35E-04	6.64E-04	1.30E-03	6.26E-04	6.55E-04	1.28E-03
2491 497696.65, 3858622.63	0.01624	0.0172	2.47E-03	2.72E-03	2.32E-03	2.38E-03	2.25E-03	6.54E-04	6.92E-04	1.35E-03	6.38E-04	6.75E-04	1.31E-03	6.29E-04	6.66E-04	1.30E-03
2492 497796.65, 3858622.63	0.01664	0.0178	2.53E-03	2.82E-03	2.38E-03	2.44E-03	2.30E-03	6.70E-04	7.16E-04	1.39E-03	6.53E-04	6.99E-04	1.35E-03	6.45E-04	6.90E-04	1.33E-03
2493 497896.65, 3858622.63	0.01694	0.01787	2.57E-03	2.83E-03	2.43E-03	2.48E-03	2.34E-03	6.82E-04	7.19E-04	1.40E-03	6.65E-04	7.02E-04	1.37E-03	6.56E-04	6.92E-04	1.35E-03
2494 497396.65, 3858722.63	0.01574	0.01638	2.39E-03	2.59E-03	2.25E-03	2.31E-03	2.18E-03	6.33E-04	6.59E-04	1.29E-03	6.18E-04	6.43E-04	1.26E-03	6.10E-04	6.35E-04	1.24E-03
2495 497496.65, 3858722.63	0.01623	0.01676	2.47E-03	2.65E-03	2.32E-03	2.38E-03	2.24E-03	6.53E-04	6.74E-04	1.33E-03	6.37E-04	6.58E-04	1.30E-03	6.29E-04	6.49E-04	1.28E-03
2496 497596.65, 3858722.63	0.01672	0.01748	2.54E-03	2.77E-03	2.39E-03	2.45E-03	2.31E-03	6.73E-04	7.03E-04	1.38E-03	6.57E-04	6.86E-04	1.34E-03	6.48E-04	6.77E-04	1.33E-03
2497 497696.65, 3858722.63	0.01692	0.01784	2.57E-03	2.82E-03	2.42E-03	2.48E-03	2.34E-03	6.81E-04	7.18E-04	1.40E-03	6.64E-04	7.01E-04	1.37E-03	6.56E-04	6.91E-04	1.35E-03
2498 497796.65, 3858722.63	0.01703	0.01817	2.59E-03	2.88E-03	2.44E-03	2.50E-03	2.36E-03	6.85E-04	7.31E-04	1.42E-03	6.69E-04	7.14E-04	1.38E-03	6.60E-04	7.04E-04	1.36E-03
2499 497896.65, 3858722.63	0.01726	0.01852	2.62E-03	2.93E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	7.45E-04	1.44E-03	6.78E-04	7.27E-04	1.41E-03	6.69E-04	7.18E-04	1.39E-03
2500 497396.65, 3858822.63	0.01631	0.01713	2.48E-03	2.71E-03	2.33E-03	2.39E-03	2.26E-03	6.56E-04	6.89E-04	1.35E-03	6.40E-04	6.73E-04	1.31E-03	6.32E-04	6.64E-04	1.30E-03
2501 497496.65, 3858822.63	0.01648	0.01736	2.50E-03	2.75E-03	2.36E-03	2.42E-03	2.28E-03	6.63E-04	6.99E-04	1.36E-03	6.47E-04	6.82E-04	1.33E-03	6.39E-04	6.73E-04	1.31E-03
2502 497596.65, 3858822.63	0.01717	0.01802	2.61E-03	2.85E-03	2.46E-03	2.52E-03	2.37E-03	6.91E-04	7.25E-04	1.42E-03	6.74E-04	7.08E-04	1.38E-03	6.65E-04	6.98E-04	1.36E-03
2503 497696.65, 3858822.63	0.0175	0.0183	2.66E-03	2.90E-03	2.51E-03	2.57E-03	2.42E-03	7.04E-04	7.36E-04	1.44E-03	6.87E-04	7.19E-04	1.41E-03	6.78E-04	7.09E-04	1.39E-03
2504 497796.65, 3858822.63	0.01755	0.01857	2.67E-03	2.94E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	7.47E-04	1.45E-03	6.89E-04	7.29E-04	1.42E-03	6.80E-04	7.20E-04	1.40E-03

2505 497896.65, 3858822.63	0.01796	0.0192	2.73E-03	3.04E-03	2.57E-03	2.63E-03	2.48E-03	7.23E-04	7.73E-04	1.50E-03	7.05E-04	7.54E-04	1.46E-03	6.96E-04	7.44E-04	1.44E-03
2506 497396.65, 3858922.63	0.01683	0.01846	2.56E-03	2.92E-03	2.41E-03	2.47E-03	2.33E-03	6.77E-04	7.43E-04	1.42E-03	6.61E-04	7.25E-04	1.39E-03	6.52E-04	7.15E-04	1.37E-03
2507 497496.65, 3858922.63	0.01739	0.01884	2.64E-03	2.98E-03	2.49E-03	2.55E-03	2.41E-03	7.00E-04	7.58E-04	1.46E-03	6.83E-04	7.40E-04	1.42E-03	6.74E-04	7.30E-04	1.40E-03
2508 497596.65, 3858922.63	0.01748	0.01876	2.66E-03	2.97E-03	2.50E-03	2.56E-03	2.42E-03	7.03E-04	7.55E-04	1.46E-03	6.86E-04	7.37E-04	1.42E-03	6.77E-04	7.27E-04	1.40E-03
2509 497696.65, 3858922.63	0.0179	0.01925	2.72E-03	3.05E-03	2.56E-03	2.62E-03	2.48E-03	7.20E-04	7.75E-04	1.50E-03	7.03E-04	7.56E-04	1.46E-03	6.94E-04	7.46E-04	1.44E-03
2510 497796.65, 3858922.63	0.01841	0.01965	2.80E-03	3.11E-03	2.64E-03	2.70E-03	2.55E-03	7.41E-04	7.91E-04	1.53E-03	7.23E-04	7.72E-04	1.49E-03	7.13E-04	7.61E-04	1.47E-03
2511 497896.65, 3858922.63	0.01931	0.02017	2.93E-03	3.19E-03	2.76E-03	2.83E-03	2.67E-03	7.77E-04	8.12E-04	1.59E-03	7.58E-04	7.92E-04	1.55E-03	7.48E-04	7.82E-04	1.53E-03
2512 497364.44, 3858201.52	0.01347	0.01409	2.05E-03	2.23E-03	1.93E-03	1.98E-03	1.86E-03	5.42E-04	5.67E-04	1.11E-03	5.29E-04	5.53E-04	1.08E-03	5.22E-04	5.46E-04	1.07E-03
2513 497414.44, 3858201.52	0.01355	0.01432	2.06E-03	2.27E-03	1.94E-03	1.99E-03	1.87E-03	5.45E-04	5.76E-04	1.12E-03	5.32E-04	5.62E-04	1.09E-03	5.25E-04	5.55E-04	1.08E-03
2514 497464.44, 3858201.52	0.01362	0.01442	2.07E-03	2.28E-03	1.95E-03	2.00E-03	1.88E-03	5.48E-04	5.80E-04	1.13E-03	5.35E-04	5.66E-04	1.10E-03	5.28E-04	5.59E-04	1.09E-03
2515 497514.44, 3858201.52	0.01367	0.01443	2.08E-03	2.28E-03	1.96E-03	2.00E-03	1.89E-03	5.50E-04	5.81E-04	1.13E-03	5.37E-04	5.67E-04	1.10E-03	5.30E-04	5.59E-04	1.09E-03
2516 497564.44, 3858201.52	0.01365	0.01439	2.07E-03	2.28E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	5.79E-04	1.13E-03	5.36E-04	5.65E-04	1.10E-03	5.29E-04	5.58E-04	1.09E-03
2517 497614.44, 3858201.52	0.01367	0.01443	2.08E-03	2.28E-03	1.96E-03	2.00E-03	1.89E-03	5.50E-04	5.81E-04	1.13E-03	5.37E-04	5.67E-04	1.10E-03	5.30E-04	5.59E-04	1.09E-03
2518 497364.44, 3858251.52	0.01386	0.0145	2.11E-03	2.30E-03	1.98E-03	2.03E-03	1.92E-03	5.58E-04	5.84E-04	1.14E-03	5.44E-04	5.69E-04	1.11E-03	5.37E-04	5.62E-04	1.10E-03
2519 497414.44, 3858251.52	0.01387	0.01457	2.11E-03	2.31E-03	1.99E-03	2.03E-03	1.92E-03	5.58E-04	5.86E-04	1.14E-03	5.45E-04	5.72E-04	1.12E-03	5.37E-04	5.65E-04	1.10E-03
2520 497464.44, 3858251.52	0.01379	0.01444	2.10E-03	2.29E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	5.81E-04	1.14E-03	5.42E-04	5.67E-04	1.11E-03	5.34E-04	5.60E-04	1.09E-03
2521 497514.44, 3858251.52	0.01373	0.01433	2.09E-03	2.27E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	5.77E-04	1.13E-03	5.39E-04	5.63E-04	1.10E-03	5.32E-04	5.55E-04	1.09E-03
2522 497564.44, 3858251.52	0.01372	0.01432	2.08E-03	2.27E-03	1.96E-03	2.01E-03	1.90E-03	5.52E-04	5.76E-04	1.13E-03	5.39E-04	5.62E-04	1.10E-03	5.32E-04	5.55E-04	1.09E-03
2523 497614.44, 3858251.52	0.01371	0.01432	2.08E-03	2.27E-03	1.96E-03	2.01E-03	1.90E-03	5.52E-04	5.76E-04	1.13E-03	5.38E-04	5.62E-04	1.10E-03	5.31E-04	5.55E-04	1.09E-03
2524 497364.44, 3858301.52	0.014	0.01459	2.13E-03	2.31E-03	2.00E-03	2.05E-03	1.94E-03	5.63E-04	5.87E-04	1.15E-03	5.50E-04	5.73E-04	1.12E-03	5.42E-04	5.65E-04	1.11E-03
2525 497414.44, 3858301.52	0.01409	0.01469	2.14E-03	2.33E-03	2.02E-03	2.07E-03	1.95E-03	5.67E-04	5.91E-04	1.16E-03	5.53E-04	5.77E-04	1.13E-03	5.46E-04	5.69E-04	1.12E-03
2526 497464.44, 3858301.52	0.01397	0.01458	2.12E-03	2.31E-03	2.00E-03	2.05E-03	1.93E-03	5.62E-04	5.87E-04	1.15E-03	5.49E-04	5.73E-04	1.12E-03	5.41E-04	5.65E-04	1.11E-03
2527 497514.44, 3858301.52	0.01388	0.01449	2.11E-03	2.29E-03	1.99E-03	2.04E-03	1.92E-03	5.59E-04	5.83E-04	1.14E-03	5.45E-04	5.69E-04	1.11E-03	5.38E-04	5.61E-04	1.10E-03
2528 497564.44, 3858301.52	0.0138	0.01434	2.10E-03	2.27E-03	1.98E-03	2.02E-03	1.91E-03	5.55E-04	5.77E-04	1.13E-03	5.42E-04	5.63E-04	1.11E-03	5.35E-04	5.56E-04	1.09E-03
2529 497614.44, 3858301.52	0.01378	0.01425	2.09E-03	2.26E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	5.73E-04	1.13E-03	5.41E-04	5.60E-04	1.10E-03	5.34E-04	5.52E-04	1.09E-03
2530 497364.44, 3858351.52	0.01408	0.01495	2.14E-03	2.37E-03	2.02E-03	2.06E-03	1.95E-03	5.67E-04	6.02E-04	1.17E-03	5.53E-04	5.87E-04	1.14E-03	5.46E-04	5.79E-04	1.12E-03
2531 497414.44, 3858351.52	0.01407	0.01484	2.14E-03	2.35E-03	2.01E-03	2.06E-03	1.95E-03	5.66E-04	5.97E-04	1.16E-03	5.53E-04	5.83E-04	1.14E-03	5.45E-04	5.75E-04	1.12E-03
2532 497464.44, 3858351.52	0.01409	0.01478	2.14E-03	2.34E-03	2.02E-03	2.07E-03	1.95E-03	5.67E-04	5.95E-04	1.16E-03	5.53E-04	5.80E-04	1.13E-03	5.46E-04	5.73E-04	1.12E-03
2533 497514.44, 3858351.52	0.01406	0.01468	2.14E-03	2.32E-03	2.01E-03	2.06E-03	1.94E-03	5.66E-04	5.91E-04	1.16E-03	5.52E-04	5.76E-04	1.13E-03	5.45E-04	5.69E-04	1.11E-03
2534 497564.44, 3858351.52	0.01397	0.01452	2.12E-03	2.30E-03	2.00E-03	2.05E-03	1.93E-03	5.62E-04	5.84E-04	1.15E-03	5.49E-04	5.70E-04	1.12E-03	5.41E-04	5.63E-04	1.10E-03
2535 497614.44, 3858351.52	0.01389	0.01443	2.11E-03	2.28E-03	1.99E-03	2.04E-03	1.92E-03	5.59E-04	5.81E-04	1.14E-03	5.45E-04	5.67E-04	1.11E-03	5.38E-04	5.59E-04	1.10E-03
2536 497364.44, 3858401.52	0.01407	0.01497	2.14E-03	2.37E-03	2.01E-03	2.06E-03	1.95E-03	5.66E-04	6.02E-04	1.17E-03	5.53E-04	5.88E-04	1.14E-03	5.45E-04	5.80E-04	1.13E-03
2537 497414.44, 3858401.52	0.01415	0.01493	2.15E-03	2.36E-03	2.03E-03	2.07E-03	1.96E-03	5.69E-04	6.01E-04	1.17E-03	5.56E-04	5.86E-04	1.14E-03	5.48E-04	5.79E-04	1.13E-03
2538 497464.44, 3858401.52	0.0141	0.01487	2.14E-03	2.35E-03	2.02E-03	2.07E-03	1.95E-03	5.67E-04	5.98E-04	1.17E-03	5.54E-04	5.84E-04	1.14E-03	5.46E-04	5.76E-04	1.12E-03
2539 497514.44, 3858401.52	0.01408	0.01485	2.14E-03	2.35E-03	2.02E-03	2.06E-03	1.95E-03	5.67E-04	5.98E-04	1.16E-03	5.53E-04	5.83E-04	1.14E-03	5.46E-04	5.75E-04	1.12E-03
2540 497564.44, 3858401.52	0.01419	0.01494	2.16E-03	2.37E-03	2.03E-03	2.08E-03	1.96E-03	5.71E-04	6.01E-04	1.17E-03	5.57E-04	5.87E-04	1.14E-03	5.50E-04	5.79E-04	1.13E-03
2541 497614.44, 3858401.52	0.01421	0.01495	2.16E-03	2.37E-03	2.03E-03	2.08E-03	1.97E-03	5.72E-04	6.02E-04	1.17E-03	5.58E-04	5.87E-04	1.15E-03	5.51E-04	5.79E-04	1.13E-03
2542 493478.11, 3860497.94	0.09176	0.09361	1.39E-02	1.48E-02	1.31E-02	1.35E-02	1.27E-02	3.69E-03	3.77E-03	7.46E-03	3.60E-03	3.68E-03	7.28E-03	3.56E-03	3.63E-03	7.18E-03
2543 493528.11, 3860497.94	0.09077	0.09278	1.38E-02	1.47E-02	1.30E-02	1.33E-02	1.26E-02	3.65E-03	3.73E-03	7.39E-03	3.56E-03	3.64E-03	7.21E-03	3.52E-03	3.60E-03	7.11E-03
2544 493478.11, 3860547.94	0.09485	0.09637	1.44E-02	1.53E-02	1.36E-02	1.39E-02	1.31E-02	3.82E-03	3.88E-03	7.70E-03	3.72E-03	3.78E-03	7.51E-03	3.68E-03	3.73E-03	7.41E-03
2545 493528.11, 3860547.94	0.0942	0.09576	1.43E-02	1.52E-02	1.35E-02	1.38E-02	1.30E-02	3.79E-03	3.85E-03	7.64E-03	3.70E-03	3.76E-03	7.46E-03	3.65E-03	3.71E-03	7.36E-03
2546 493478.11, 3860597.94	0.09999	0.10015	1.52E-02	1.59E-02	1.43E-02	1.47E-02	1.38E-02	4.02E-03	4.03E-03	8.05E-03	3.93E-03	3.93E-03	7.86E-03	3.87E-03	3.88E-03	7.76E-03
2547 493528.11, 3860597.94	0.09861	0.09951	1.50E-02	1.58E-02	1.41E-02	1.45E-02	1.36E-02	3.97E-03	4.00E-03	7.97E-03	3.87E-03	3.91E-03	7.78E-03	3.82E-03	3.86E-03	7.68E-03
2548 493561.88, 3860524.64	0.09151	0.09369	1.39E-02	1.48E-02	1.31E-02	1.34E-02	1.27E-02	3.68E-03	3.77E-03	7.45E-03	3.59E-03	3.68E-03	7.27E-03	3.55E-03	3.63E-03	7.18E-03
2549 493591.88, 3860524.64	0.09045	0.09241	1.37E-02	1.46E-02	1.29E-02	1.33E-02	1.25E-02	3.64E-03	3.72E-03	7.36E-03	3.55E-03	3.63E-03	7.18E-03	3.50E-03	3.58E-03	7.09E-03
2550 493561.88, 3860554.64	0.09407	0.09531	1.43E-02	1.51E-02	1.35E-02	1.38E-02	1.30E-02	3.79E-03	3.84E-03	7.62E-03	3.69E-03	3.74E-03	7.44E-03	3.65E-03	3.69E-03	7.34E-03
2551 493591.88, 3860554.64	0.09183	0.09386	1.40E-02	1.49E-02	1.31E-02	1.35E-02	1.27E-02	3.70E-03	3.78E-03	7.47E-03	3.61E-03	3.69E-03	7.29E-03	3.56E-03	3.64E-03	7.20E-03
2552 492880.5, 3860293.11	0.10763	0.11035	1.64E-02	1.75E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	4.44E-03	8.77E-03	4.23E-03	4.33E-03	8.56E-03	4.17E-03	4.28E-03	8.45E-03
2553 492930.5, 3860293.11	0.10394	0.10663	1.58E-02	1.69E-02	1.49E-02	1.52E-02	1.44E-02	4.18E-03	4.29E-03	8.47E-03	4.08E-03	4.19E-03	8.27E-03	4.03E-03	4.13E-03	8.16E-03
2554 492980.5, 3860293.11	0.10017	0.10169	1.52E-02	1.61E-02	1.43E-02	1.47E-02	1.39E-02	4.03E-03	4.09E-03	8.12E-03	3.93E-03	3.99E-03	7.93E-03	3.88E-03	3.94E-03	7.82E-03
2555 493030.5, 3860293.11	0.09145	0.09104	1.39E-02	1.44E-02	1.31E-02	1.34E-02	1.26E-02	3.68E-03	3.66E-03	7.34E-03	3.59E-03	3.58E-03	7.17E-03	3.54E-03	3.53E-03	7.07E-03
2556 493080.5, 3860293.11	0.08551	0.08224	1.30E-02	1.30E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	3.31E-03	6.75E-03	3.36E-03	3.23E-03	6.59E-03	3.31E-03	3.19E-03	6.50E-03
2557 493130.5, 3860293.11	0.08696	0.08528	1.32E-02	1.35E-02	1.24E-02	1.28E-02	1.20E-02	3.50E-03	3.43E-03	6.93E-03	3.41E-03	3.35E-03	6.76E-03	3.37E-03	3.30E-03	6.67E-03
2558 493180.5, 3860293.11	0.08656	0.08745	1.32E-02	1.38E-02	1.24E-02	1.27E-02	1.20E-02	3.48E-03	3.52E-03	7.00E-03	3.40E-03	3.43E-03	6.83E-03	3.35E-03	3.39E-03	6.74E-03
2559 493230.5, 3860293.11	0.08574	0.08702	1.30E-02	1.38E-02	1.23E-02	1.26E-02	1.19E-02	3.45E-03	3.50E-03	6.95E-03	3.37E-03	3.42E-03	6.78E-03	3.32E-03	3.37E-03	6.69E-03
2560 493280.5, 3860293.11	0.08275	0.08231	1.26E-02	1.30E-02	1.18E-02	1.21E-02	1.14E-02	3.33E-03	3.31E-03	6.64E-03	3.25E-03	3.23E-03	6.48E-03	3.21E-03	3.19E-03	6.40E-03
2561 493330.5, 3860293.11	0.08069	0.08048	1.23E-02	1.27E-02	1.16E-02	1.18E-02	1.12E-02	3.25E-03	3.24E-03	6.49E-03	3.17E-03	3.16E-03	6.33E-03	3.13E-03	3.12E-03	6.25E-03
2562 493380.5, 3860293.11	0.07857	0.07907	1.19E-02	1.25E-02	1.12E-02	1.15E-02	1.09E-02	3.16E-03	3.18E-03	6.34E-03	3.09E-03	3.11E-03	6.19E-03	3.04E-03	3.06E-03	6.11E-03
2563 492880.5, 3860343.11	0.11107	0.11439	1.69E-02	1.81E-02	1.59E-02	1.63E-02	1.54E-02	4.47E-03	4.60E-03	9.07E-03	4.36E-03	4.49E-03	8.85E-03	4.30E-03	4.43E-03	8.74E-03
2564 492930.5, 3860343.11	0.10794	0.11065	1.64E-02	1.75E-02	1.55E-02	1.58E-02	1.49E-02	4.34E-03	4.45E-03	8.80E-03	4.24E-03	4.35E-03	8.58E-03	4.18E-03	4.29E-03	8.47E-03
2565 492980.5, 3860343.11	0.0999	0.10014	1.52E-02	1.59E-02	1.43E-02	1.46E-02	1.38E-02	4.02E-03	4.03E-03	8.05E-03	3.92E-03	3.93E-03	7.86E-03	3.87E-03	3.88E-03	7.75E-03
2566 493030.5, 3860343.11	0.09672	0.09609	1.47E-02	1.52E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	3.87E-03	7.76E-03	3.80E-03	3.77E-03	7.57E-03	3.75E-03	3.72E-03	7.47E-03
2567 493080.5, 3860343.11	0.09052	0.08804	1.38E-02	1.39E-02	1.30E-02	1.33E-02	1.25E-02	3.64E-03	3.54E-03	7.19E-03	3.55E-03	3.46E-03	7.01E-03	3.51E-03	3.41E-03	6.92E-03
2568 493130.5, 3860343.11	0.08965	0.08785	1.36E-02	1.39E-02	1.28E-02	1.31E-02	1.24E-02	3.61E-03	3.54E-03	7.14E-03	3.52E-03	3.45E-03	6.97E-03	3.47E-03	3.40E-03	6.88E-03
2569 493180.5, 3860343.11	0.0896	0.09044	1.36E-02	1.43E-02	1.28E-02	1.31E-02	1.24E-02	3.61E-03	3.64E-03	7.25E-03	3.52E-03	3.55E-03	7.07E-03	3.47E-03	3.50E-03	6.98E-03
2570 493230.5, 3860343.11	0.08922	0.09069	1.36E-02	1.44E-02	1.28E-02	1.31E-02	1.23E-02	3.59E-03	3.65E-03	7.24E-03	3.50E-03	3.56E-03	7.07E-03	3.46E-03	3.51E-03	6.97E-03

2571 493280.5, 3860343.11	0.08511	0.08479	1.29E-02	1.34E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.41E-03	6.84E-03	3.34E-03	3.33E-03	6.67E-03	3.30E-03	3.29E-03	6.58E-03
2572 493330.5, 3860343.11	0.08246	0.08114	1.25E-02	1.28E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.27E-03	6.58E-03	3.24E-03	3.19E-03	6.42E-03	3.20E-03	3.14E-03	6.34E-03
2573 493380.5, 3860343.11	0.08064	0.07939	1.23E-02	1.26E-02	1.15E-02	1.18E-02	1.12E-02	3.25E-03	3.19E-03	6.44E-03	3.17E-03	3.12E-03	6.28E-03	3.12E-03	3.08E-03	6.20E-03
2574 492880.5, 3860393.11	0.117	0.1188	1.78E-02	1.88E-02	1.67E-02	1.72E-02	1.62E-02	4.71E-03	4.78E-03	9.49E-03	4.59E-03	4.67E-03	9.26E-03	4.53E-03	4.60E-03	9.14E-03
2575 492930.5, 3860393.11	0.11131	0.11412	1.69E-02	1.81E-02	1.59E-02	1.63E-02	1.54E-02	4.48E-03	4.59E-03	9.07E-03	4.37E-03	4.48E-03	8.85E-03	4.31E-03	4.42E-03	8.74E-03
2576 492980.5, 3860393.11	0.10591	0.10578	1.61E-02	1.67E-02	1.52E-02	1.55E-02	1.46E-02	4.26E-03	4.26E-03	8.52E-03	4.16E-03	4.15E-03	8.31E-03	4.10E-03	4.10E-03	8.20E-03
2577 493030.5, 3860393.11	0.10197	0.10043	1.55E-02	1.59E-02	1.46E-02	1.50E-02	1.41E-02	4.10E-03	4.04E-03	8.15E-03	4.00E-03	3.94E-03	7.95E-03	3.95E-03	3.89E-03	7.84E-03
2578 493080.5, 3860393.11	0.09534	0.09264	1.45E-02	1.47E-02	1.36E-02	1.40E-02	1.32E-02	3.84E-03	3.73E-03	7.56E-03	3.74E-03	3.64E-03	7.38E-03	3.69E-03	3.59E-03	7.28E-03
2579 493130.5, 3860393.11	0.09548	0.09282	1.45E-02	1.47E-02	1.37E-02	1.40E-02	1.32E-02	3.84E-03	3.74E-03	7.58E-03	3.75E-03	3.65E-03	7.39E-03	3.70E-03	3.60E-03	7.30E-03
2580 493180.5, 3860393.11	0.09599	0.09669	1.46E-02	1.53E-02	1.37E-02	1.41E-02	1.33E-02	3.86E-03	3.89E-03	7.75E-03	3.77E-03	3.80E-03	7.57E-03	3.72E-03	3.75E-03	7.47E-03
2581 493230.5, 3860393.11	0.09355	0.09469	1.42E-02	1.50E-02	1.34E-02	1.37E-02	1.29E-02	3.76E-03	3.81E-03	7.58E-03	3.67E-03	3.72E-03	7.39E-03	3.62E-03	3.67E-03	7.29E-03
2582 493280.5, 3860393.11	0.08845	0.08841	1.34E-02	1.40E-02	1.27E-02	1.30E-02	1.22E-02	3.56E-03	3.56E-03	7.12E-03	3.47E-03	3.47E-03	6.95E-03	3.43E-03	3.43E-03	6.85E-03
2583 493330.5, 3860393.11	0.08543	0.08486	1.30E-02	1.34E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	3.42E-03	6.85E-03	3.35E-03	3.33E-03	6.69E-03	3.31E-03	3.29E-03	6.60E-03
2584 493380.5, 3860393.11	0.08345	0.08279	1.27E-02	1.31E-02	1.19E-02	1.22E-02	1.15E-02	3.36E-03	3.33E-03	6.69E-03	3.28E-03	3.25E-03	6.53E-03	3.23E-03	3.21E-03	6.44E-03
2585 492880.5, 3860443.11	0.12314	0.12256	1.87E-02	1.94E-02	1.76E-02	1.81E-02	1.70E-02	4.96E-03	4.93E-03	9.89E-03	4.84E-03	4.81E-03	9.65E-03	4.77E-03	4.75E-03	9.52E-03
2586 492930.5, 3860443.11	0.1192	0.11929	1.81E-02	1.89E-02	1.71E-02	1.75E-02	1.65E-02	4.80E-03	4.80E-03	9.60E-03	4.68E-03	4.68E-03	9.37E-03	4.62E-03	4.62E-03	9.24E-03
2587 492980.5, 3860443.11	0.11262	0.11299	1.71E-02	1.79E-02	1.61E-02	1.65E-02	1.56E-02	4.53E-03	4.55E-03	9.08E-03	4.42E-03	4.44E-03	8.86E-03	4.36E-03	4.38E-03	8.74E-03
2588 493030.5, 3860443.11	0.10605	0.10618	1.61E-02	1.68E-02	1.52E-02	1.55E-02	1.47E-02	4.27E-03	4.27E-03	8.54E-03	4.16E-03	4.17E-03	8.33E-03	4.11E-03	4.11E-03	8.22E-03
2589 493080.5, 3860443.11	0.10315	0.10274	1.57E-02	1.63E-02	1.48E-02	1.51E-02	1.43E-02	4.15E-03	4.13E-03	8.29E-03	4.05E-03	4.03E-03	8.09E-03	4.00E-03	3.98E-03	7.98E-03
2590 493130.5, 3860443.11	0.10058	0.09976	1.53E-02	1.58E-02	1.44E-02	1.47E-02	1.39E-02	4.05E-03	4.01E-03	8.06E-03	3.95E-03	3.92E-03	7.87E-03	3.90E-03	3.87E-03	7.76E-03
2591 493180.5, 3860443.11	0.09994	0.10234	1.52E-02	1.62E-02	1.43E-02	1.47E-02	1.38E-02	4.02E-03	4.12E-03	8.14E-03	3.92E-03	4.02E-03	7.94E-03	3.87E-03	3.97E-03	7.84E-03
2592 493230.5, 3860443.11	0.0969	0.09652	1.47E-02	1.53E-02	1.39E-02	1.42E-02	1.34E-02	3.90E-03	3.88E-03	7.78E-03	3.81E-03	3.79E-03	7.60E-03	3.75E-03	3.74E-03	7.49E-03
2593 493280.5, 3860443.11	0.09382	0.09357	1.43E-02	1.48E-02	1.34E-02	1.38E-02	1.30E-02	3.78E-03	3.77E-03	7.54E-03	3.68E-03	3.67E-03	7.36E-03	3.64E-03	3.63E-03	7.26E-03
2594 493330.5, 3860443.11	0.08975	0.0879	1.36E-02	1.39E-02	1.28E-02	1.32E-02	1.24E-02	3.61E-03	3.54E-03	7.15E-03	3.52E-03	3.45E-03	6.98E-03	3.48E-03	3.41E-03	6.88E-03
2595 493380.5, 3860443.11	0.0879	0.08724	1.34E-02	1.38E-02	1.26E-02	1.29E-02	1.22E-02	3.54E-03	3.51E-03	7.05E-03	3.45E-03	3.43E-03	6.88E-03	3.41E-03	3.38E-03	6.79E-03
2596 493180.5, 3860493.11	0.10448	0.10472	1.59E-02	1.66E-02	1.50E-02	1.53E-02	1.45E-02	4.20E-03	4.21E-03	8.42E-03	4.10E-03	4.11E-03	8.22E-03	4.05E-03	4.06E-03	8.11E-03
2597 493230.5, 3860493.11	0.10041	0.10067	1.53E-02	1.59E-02	1.44E-02	1.47E-02	1.39E-02	4.04E-03	4.05E-03	8.09E-03	3.94E-03	3.95E-03	7.90E-03	3.89E-03	3.90E-03	7.79E-03
2598 493280.5, 3860493.11	0.09646	0.09648	1.47E-02	1.53E-02	1.38E-02	1.41E-02	1.33E-02	3.88E-03	3.88E-03	7.76E-03	3.79E-03	3.79E-03	7.58E-03	3.74E-03	3.74E-03	7.48E-03
2599 493330.5, 3860493.11	0.09418	0.09312	1.43E-02	1.47E-02	1.35E-02	1.38E-02	1.30E-02	3.79E-03	3.75E-03	7.54E-03	3.70E-03	3.66E-03	7.36E-03	3.65E-03	3.61E-03	7.26E-03
2600 493380.5, 3860493.11	0.09299	0.09267	1.41E-02	1.47E-02	1.33E-02	1.36E-02	1.29E-02	3.74E-03	3.73E-03	7.47E-03	3.65E-03	3.64E-03	7.29E-03	3.60E-03	3.59E-03	7.19E-03
2601 493330.5, 3860543.11	0.09693	0.09679	1.47E-02	1.53E-02	1.39E-02	1.42E-02	1.34E-02	3.90E-03	3.90E-03	7.80E-03	3.81E-03	3.80E-03	7.61E-03	3.76E-03	3.75E-03	7.51E-03
2602 493380.5, 3860543.11	0.09634	0.0965	1.46E-02	1.53E-02	1.38E-02	1.41E-02	1.33E-02	3.88E-03	3.88E-03	7.76E-03	3.78E-03	3.79E-03	7.57E-03	3.73E-03	3.74E-03	7.47E-03
2603 494135.94, 3860876.85	0.10296	0.10182	1.56E-02	1.61E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.10E-03	8.24E-03	4.04E-03	4.00E-03	8.04E-03	3.99E-03	3.95E-03	7.93E-03
2604 494185.94, 3860876.85	0.10138	0.10072	1.54E-02	1.59E-02	1.45E-02	1.49E-02	1.40E-02	4.08E-03	4.05E-03	8.13E-03	3.98E-03	3.96E-03	7.94E-03	3.93E-03	3.90E-03	7.83E-03
2605 494135.94, 3860926.85	0.11057	0.10862	1.68E-02	1.72E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	4.37E-03	8.82E-03	4.34E-03	4.27E-03	8.61E-03	4.28E-03	4.21E-03	8.49E-03
2606 494185.94, 3860926.85	0.1086	0.10706	1.65E-02	1.70E-02	1.55E-02	1.59E-02	1.50E-02	4.37E-03	4.31E-03	8.68E-03	4.26E-03	4.20E-03	8.47E-03	4.21E-03	4.15E-03	8.36E-03
2607 494135.94, 3860976.85	0.11773	0.11598	1.79E-02	1.84E-02	1.69E-02	1.73E-02	1.63E-02	4.74E-03	4.67E-03	9.41E-03	4.62E-03	4.55E-03	9.18E-03	4.56E-03	4.49E-03	9.06E-03
2608 494185.94, 3860976.85	0.11562	0.11389	1.76E-02	1.80E-02	1.66E-02	1.70E-02	1.60E-02	4.65E-03	4.58E-03	9.24E-03	4.54E-03	4.47E-03	9.01E-03	4.48E-03	4.41E-03	8.89E-03
2609 494135.94, 3861026.85	0.12502	0.12382	1.90E-02	1.96E-02	1.79E-02	1.83E-02	1.73E-02	5.03E-03	4.98E-03	1.00E-02	4.91E-03	4.86E-03	9.77E-03	4.84E-03	4.80E-03	9.64E-03
2610 494185.94, 3861026.85	0.12225	0.12099	1.86E-02	1.92E-02	1.75E-02	1.79E-02	1.69E-02	4.92E-03	4.87E-03	9.79E-03	4.80E-03	4.75E-03	9.55E-03	4.74E-03	4.69E-03	9.43E-03
2611 494135.94, 3861076.85	0.13436	0.13405	2.04E-02	2.12E-02	1.92E-02	1.97E-02	1.86E-02	5.41E-03	5.39E-03	1.08E-02	5.28E-03	5.26E-03	1.05E-02	5.21E-03	5.19E-03	1.04E-02
2612 494185.94, 3861076.85	0.13159	0.13107	2.00E-02	2.08E-02	1.88E-02	1.93E-02	1.82E-02	5.30E-03	5.27E-03	1.06E-02	5.17E-03	5.15E-03	1.03E-02	5.10E-03	5.08E-03	1.02E-02
2613 490360.04, 3858710.04	0.10157	0.09864	1.54E-02	1.56E-02	1.45E-02	1.49E-02	1.40E-02	4.09E-03	3.97E-03	8.06E-03	3.99E-03	3.87E-03	7.86E-03	3.94E-03	3.82E-03	7.76E-03
2614 490410.04, 3858710.04	0.09844	0.09567	1.50E-02	1.51E-02	1.41E-02	1.44E-02	1.36E-02	3.96E-03	3.85E-03	7.81E-03	3.87E-03	3.76E-03	7.62E-03	3.81E-03	3.71E-03	7.52E-03
2615 490460.04, 3858710.04	0.09426	0.09133	1.43E-02	1.45E-02	1.35E-02	1.38E-02	1.30E-02	3.79E-03	3.68E-03	7.47E-03	3.70E-03	3.59E-03	7.29E-03	3.65E-03	3.54E-03	7.19E-03
2616 490510.04, 3858710.04	0.09143	0.08842	1.39E-02	1.40E-02	1.31E-02	1.34E-02	1.26E-02	3.68E-03	3.56E-03	7.24E-03	3.59E-03	3.47E-03	7.06E-03	3.54E-03	3.43E-03	6.97E-03
2617 490560.04, 3858710.04	0.08905	0.086	1.35E-02	1.36E-02	1.27E-02	1.31E-02	1.23E-02	3.58E-03	3.46E-03	7.04E-03	3.50E-03	3.38E-03	6.87E-03	3.45E-03	3.33E-03	6.78E-03
2618 490610.04, 3858710.04	0.08617	0.08351	1.31E-02	1.32E-02	1.23E-02	1.26E-02	1.19E-02	3.47E-03	3.36E-03	6.83E-03	3.38E-03	3.28E-03	6.66E-03	3.34E-03	3.24E-03	6.57E-03
2619 490660.04, 3858710.04	0.08463	0.08229	1.29E-02	1.30E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.31E-03	6.72E-03	3.32E-03	3.23E-03	6.55E-03	3.28E-03	3.19E-03	6.47E-03
2620 490710.04, 3858710.04	0.08142	0.07926	1.24E-02	1.25E-02	1.17E-02	1.19E-02	1.13E-02	3.28E-03	3.19E-03	6.47E-03	3.20E-03	3.11E-03	6.31E-03	3.15E-03	3.07E-03	6.23E-03
2621 490760.04, 3858710.04	0.07945	0.07676	1.21E-02	1.22E-02	1.14E-02	1.16E-02	1.10E-02	3.20E-03	3.09E-03	6.29E-03	3.12E-03	3.01E-03	6.13E-03	3.08E-03	2.97E-03	6.05E-03
2622 490810.04, 3858710.04	0.07751	0.07435	1.18E-02	1.18E-02	1.11E-02	1.14E-02	1.07E-02	3.12E-03	2.99E-03	6.11E-03	3.04E-03	2.92E-03	5.96E-03	3.00E-03	2.88E-03	5.88E-03
2623 490860.04, 3858710.04	0.07457	0.07174	1.13E-02	1.14E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	2.89E-03	5.89E-03	2.93E-03	2.82E-03	5.75E-03	2.89E-03	2.78E-03	5.67E-03
2624 490360.04, 3858760.04	0.10489	0.10209	1.59E-02	1.62E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	4.11E-03	8.33E-03	4.12E-03	4.01E-03	8.13E-03	4.06E-03	3.96E-03	8.02E-03
2625 490410.04, 3858760.04	0.10137	0.09849	1.54E-02	1.56E-02	1.45E-02	1.49E-02	1.40E-02	4.08E-03	3.96E-03	8.04E-03	3.98E-03	3.87E-03	7.85E-03	3.93E-03	3.82E-03	7.74E-03
2626 490460.04, 3858760.04	0.09747	0.09465	1.48E-02	1.50E-02	1.40E-02	1.43E-02	1.35E-02	3.92E-03	3.81E-03	7.73E-03	3.83E-03	3.72E-03	7.54E-03	3.78E-03	3.67E-03	7.44E-03
2627 490510.04, 3858760.04	0.09339	0.09076	1.42E-02	1.44E-02	1.34E-02	1.37E-02	1.29E-02	3.76E-03	3.65E-03	7.41E-03	3.67E-03	3.56E-03	7.23E-03	3.62E-03	3.52E-03	7.14E-03
2628 490560.04, 3858760.04	0.08998	0.08776	1.37E-02	1.39E-02	1.29E-02	1.32E-02	1.24E-02	3.62E-03	3.53E-03	7.15E-03	3.53E-03	3.45E-03	6.98E-03	3.49E-03	3.40E-03	6.89E-03
2629 490610.04, 3858760.04	0.08617	0.08471	1.31E-02	1.34E-02	1.23E-02	1.26E-02	1.19E-02	3.47E-03	3.41E-03	6.88E-03	3.38E-03	3.33E-03	6.71E-03	3.34E-03	3.28E-03	6.62E-03
2630 490660.04, 3858760.04	0.08318	0.08203	1.26E-02	1.30E-02	1.19E-02	1.22E-02	1.15E-02	3.35E-03	3.30E-03	6.65E-03	3.27E-03	3.22E-03	6.49E-03	3.22E-03	3.18E-03	6.40E-03
2631 490710.04, 3858760.04	0.08115	0.07935	1.23E-02	1.26E-02	1.16E-02	1.19E-02	1.12E-02	3.27E-03	3.19E-03	6.46E-03	3.19E-03	3.12E-03	6.30E-03	3.14E-03	3.07E-03	6.22E-03
2632 490760.04, 3858760.04	0.07925	0.0762	1.20E-02	1.21E-02	1.13E-02	1.16E-02	1.10E-02	3.19E-03	3.07E-03	6.26E-03	3.11E-03	2.99E-03	6.10E-03	3.07E-03	2.95E-03	6.02E-03
2633 490810.04, 3858760.04	0.07674	0.07339	1.17E-02	1.16E-02	1.10E-02	1.13E-02	1.06E-02	3.09E-03	2.95E-03	6.04E-03	3.01E-03	2.88E-03	5.90E-03	2.97E-03	2.84E-03	5.82E-03
2634 490860.04, 3858760.04	0.07425	0.07144	1.13E-02	1.13E-02	1.06E-02	1.09E-02	1.03E-02	2.99E-03	2.87E-03	5.86E-03	2.92E-03	2.81E-03	5.72E-03	2.88E-03	2.77E-03	5.65E-03
2635 490360.04, 3858810.04	0.10819	0.10518	1.64E-02	1.67E-02	1.55E-02	1.59E-02	1.50E-02	4.35E-03	4.23E-03	8.59E-03	4.25E-03	4.13E-03	8.38E-03	4.19E-03	4.08E-03	8.27E-03
2636 490410.04, 3858810.04	0.10347	0.10118	1.57E-02	1.60E-02	1.48E-02	1.52E-02	1.43E-02	4.16E-03	4.07E-03	8.24E-03	4.06E-03	3.97E-03	8.04E-03	4.01E-03	3.92E-03	7.93E-03

2637 490460.04, 3858810.04	0.09912	0.09707	1.51E-02	1.54E-02	1.42E-02	1.45E-02	1.37E-02	3.99E-03	3.91E-03	7.90E-03	3.89E-03	3.81E-03	7.70E-03	3.84E-03	3.76E-03	7.60E-03
2638 490510.04, 3858810.04	0.09568	0.09389	1.45E-02	1.49E-02	1.37E-02	1.40E-02	1.32E-02	3.85E-03	3.78E-03	7.63E-03	3.76E-03	3.69E-03	7.44E-03	3.71E-03	3.64E-03	7.35E-03
2639 490560.04, 3858810.04	0.09181	0.09046	1.40E-02	1.43E-02	1.31E-02	1.35E-02	1.27E-02	3.69E-03	3.64E-03	7.34E-03	3.61E-03	3.55E-03	7.16E-03	3.56E-03	3.51E-03	7.06E-03
2640 490610.04, 3858810.04	0.08693	0.08631	1.32E-02	1.37E-02	1.24E-02	1.27E-02	1.20E-02	3.50E-03	3.47E-03	6.97E-03	3.41E-03	3.39E-03	6.80E-03	3.37E-03	3.34E-03	6.71E-03
2641 490660.04, 3858810.04	0.08406	0.08307	1.28E-02	1.32E-02	1.20E-02	1.23E-02	1.16E-02	3.38E-03	3.34E-03	6.73E-03	3.30E-03	3.26E-03	6.56E-03	3.26E-03	3.22E-03	6.48E-03
2642 490710.04, 3858810.04	0.08131	0.07963	1.24E-02	1.26E-02	1.16E-02	1.19E-02	1.12E-02	3.27E-03	3.20E-03	6.48E-03	3.19E-03	3.13E-03	6.32E-03	3.15E-03	3.09E-03	6.24E-03
2643 490760.04, 3858810.04	0.07803	0.07528	1.19E-02	1.19E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	3.03E-03	6.17E-03	3.06E-03	2.96E-03	6.02E-03	3.02E-03	2.92E-03	5.94E-03
2644 490810.04, 3858810.04	0.07649	0.07385	1.16E-02	1.17E-02	1.10E-02	1.12E-02	1.06E-02	3.08E-03	2.97E-03	6.05E-03	3.00E-03	2.90E-03	5.90E-03	2.96E-03	2.86E-03	5.83E-03
2645 490860.04, 3858810.04	0.07397	0.07078	1.12E-02	1.12E-02	1.06E-02	1.08E-02	1.02E-02	2.98E-03	2.85E-03	5.83E-03	2.90E-03	2.78E-03	5.68E-03	2.87E-03	2.74E-03	5.61E-03
2646 490360.04, 3858860.04	0.11022	0.10734	1.67E-02	1.70E-02	1.58E-02	1.62E-02	1.52E-02	4.44E-03	4.32E-03	8.76E-03	4.33E-03	4.22E-03	8.54E-03	4.27E-03	4.16E-03	8.43E-03
2647 490410.04, 3858860.04	0.10631	0.10474	1.62E-02	1.66E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.22E-03	8.49E-03	4.17E-03	4.11E-03	8.29E-03	4.12E-03	4.06E-03	8.18E-03
2648 490460.04, 3858860.04	0.10118	0.09932	1.54E-02	1.57E-02	1.45E-02	1.48E-02	1.40E-02	4.07E-03	4.00E-03	8.07E-03	3.97E-03	3.90E-03	7.87E-03	3.92E-03	3.85E-03	7.77E-03
2649 490510.04, 3858860.04	0.0988	0.09693	1.50E-02	1.53E-02	1.41E-02	1.45E-02	1.37E-02	3.98E-03	3.90E-03	7.88E-03	3.88E-03	3.81E-03	7.69E-03	3.83E-03	3.76E-03	7.58E-03
2650 490560.04, 3858860.04	0.09392	0.09232	1.43E-02	1.46E-02	1.34E-02	1.38E-02	1.30E-02	3.78E-03	3.72E-03	7.49E-03	3.69E-03	3.63E-03	7.31E-03	3.64E-03	3.58E-03	7.22E-03
2651 490610.04, 3858860.04	0.08849	0.08676	1.34E-02	1.37E-02	1.27E-02	1.30E-02	1.22E-02	3.56E-03	3.49E-03	7.05E-03	3.47E-03	3.41E-03	6.88E-03	3.43E-03	3.36E-03	6.79E-03
2652 490660.04, 3858860.04	0.08522	0.08343	1.29E-02	1.32E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.36E-03	6.79E-03	3.35E-03	3.28E-03	6.62E-03	3.30E-03	3.23E-03	6.53E-03
2653 490710.04, 3858860.04	0.08254	0.08104	1.25E-02	1.28E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.26E-03	6.58E-03	3.24E-03	3.18E-03	6.42E-03	3.20E-03	3.14E-03	6.34E-03
2654 490760.04, 3858860.04	0.07893	0.07666	1.20E-02	1.21E-02	1.13E-02	1.16E-02	1.09E-02	3.18E-03	3.09E-03	6.26E-03	3.10E-03	3.01E-03	6.11E-03	3.06E-03	2.97E-03	6.03E-03
2655 490810.04, 3858860.04	0.07596	0.07315	1.15E-02	1.16E-02	1.09E-02	1.11E-02	1.05E-02	3.06E-03	2.94E-03	6.00E-03	2.98E-03	2.87E-03	5.86E-03	2.94E-03	2.83E-03	5.78E-03
2656 490860.04, 3858860.04	0.07329	0.0698	1.11E-02	1.11E-02	1.05E-02	1.07E-02	1.01E-02	2.95E-03	2.81E-03	5.76E-03	2.88E-03	2.74E-03	5.62E-03	2.84E-03	2.70E-03	5.54E-03
2657 490360.04, 3858910.04	0.11667	0.11305	1.77E-02	1.79E-02	1.67E-02	1.71E-02	1.61E-02	4.70E-03	4.55E-03	9.24E-03	4.58E-03	4.44E-03	9.02E-03	4.52E-03	4.38E-03	8.90E-03
2658 490410.04, 3858910.04	0.11041	0.10853	1.68E-02	1.72E-02	1.58E-02	1.62E-02	1.53E-02	4.44E-03	4.37E-03	8.81E-03	4.34E-03	4.26E-03	8.60E-03	4.28E-03	4.21E-03	8.48E-03
2659 490460.04, 3858910.04	0.10495	0.10334	1.59E-02	1.64E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	4.16E-03	8.38E-03	4.12E-03	4.06E-03	8.18E-03	4.07E-03	4.00E-03	8.07E-03
2660 490510.04, 3858910.04	0.0996	0.09811	1.51E-02	1.55E-02	1.43E-02	1.46E-02	1.38E-02	4.01E-03	3.95E-03	7.96E-03	3.91E-03	3.85E-03	7.76E-03	3.86E-03	3.80E-03	7.66E-03
2661 490560.04, 3858910.04	0.0946	0.09266	1.44E-02	1.47E-02	1.35E-02	1.39E-02	1.31E-02	3.81E-03	3.73E-03	7.54E-03	3.71E-03	3.64E-03	7.35E-03	3.67E-03	3.59E-03	7.26E-03
2662 490610.04, 3858910.04	0.09019	0.08746	1.37E-02	1.38E-02	1.29E-02	1.32E-02	1.25E-02	3.63E-03	3.52E-03	7.15E-03	3.54E-03	3.43E-03	6.98E-03	3.49E-03	3.39E-03	6.88E-03
2663 490660.04, 3858910.04	0.0864	0.08311	1.31E-02	1.32E-02	1.24E-02	1.27E-02	1.19E-02	3.48E-03	3.34E-03	6.82E-03	3.39E-03	3.26E-03	6.66E-03	3.35E-03	3.22E-03	6.57E-03
2664 490710.04, 3858910.04	0.08205	0.07909	1.25E-02	1.25E-02	1.17E-02	1.20E-02	1.13E-02	3.30E-03	3.18E-03	6.48E-03	3.22E-03	3.11E-03	6.33E-03	3.18E-03	3.06E-03	6.24E-03
2665 490760.04, 3858910.04	0.07804	0.07502	1.19E-02	1.19E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	3.02E-03	6.16E-03	3.06E-03	2.95E-03	6.01E-03	3.02E-03	2.91E-03	5.93E-03
2666 490810.04, 3858910.04	0.07584	0.07269	1.15E-02	1.15E-02	1.09E-02	1.11E-02	1.05E-02	3.05E-03	2.93E-03	5.98E-03	2.98E-03	2.85E-03	5.83E-03	2.94E-03	2.82E-03	5.76E-03
2667 490860.04, 3858910.04	0.07056	0.06758	1.07E-02	1.07E-02	1.01E-02	1.03E-02	9.76E-03	2.84E-03	2.72E-03	5.56E-03	2.77E-03	2.65E-03	5.42E-03	2.73E-03	2.62E-03	5.35E-03
2668 490360.04, 3858960.04	0.11981	0.11562	1.82E-02	1.83E-02	1.72E-02	1.76E-02	1.66E-02	4.82E-03	4.65E-03	9.47E-03	4.70E-03	4.54E-03	9.25E-03	4.64E-03	4.48E-03	9.12E-03
2669 490410.04, 3858960.04	0.11264	0.1102	1.71E-02	1.74E-02	1.61E-02	1.65E-02	1.56E-02	4.53E-03	4.43E-03	8.97E-03	4.42E-03	4.33E-03	8.75E-03	4.36E-03	4.27E-03	8.63E-03
2670 490460.04, 3858960.04	0.10473	0.10316	1.59E-02	1.63E-02	1.50E-02	1.54E-02	1.45E-02	4.21E-03	4.15E-03	8.37E-03	4.11E-03	4.05E-03	8.16E-03	4.06E-03	4.00E-03	8.06E-03
2671 490510.04, 3858960.04	0.10004	0.09755	1.52E-02	1.54E-02	1.43E-02	1.47E-02	1.38E-02	4.03E-03	3.93E-03	7.95E-03	3.93E-03	3.83E-03	7.76E-03	3.88E-03	3.78E-03	7.66E-03
2672 490560.04, 3858960.04	0.09561	0.09252	1.45E-02	1.46E-02	1.37E-02	1.40E-02	1.32E-02	3.85E-03	3.72E-03	7.57E-03	3.75E-03	3.63E-03	7.39E-03	3.70E-03	3.59E-03	7.29E-03
2673 490610.04, 3858960.04	0.08917	0.08515	1.35E-02	1.35E-02	1.28E-02	1.31E-02	1.23E-02	3.59E-03	3.43E-03	7.02E-03	3.50E-03	3.34E-03	6.85E-03	3.46E-03	3.30E-03	6.75E-03
2674 490660.04, 3858960.04	0.08673	0.08283	1.32E-02	1.31E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.33E-03	6.82E-03	3.41E-03	3.25E-03	6.66E-03	3.36E-03	3.21E-03	6.57E-03
2675 490710.04, 3858960.04	0.08239	0.07834	1.25E-02	1.24E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.15E-03	6.47E-03	3.24E-03	3.08E-03	6.31E-03	3.19E-03	3.04E-03	6.23E-03
2676 490760.04, 3858960.04	0.07913	0.07495	1.20E-02	1.19E-02	1.13E-02	1.16E-02	1.09E-02	3.18E-03	3.02E-03	6.20E-03	3.11E-03	2.94E-03	6.05E-03	3.07E-03	2.90E-03	5.97E-03
2677 490810.04, 3858960.04	0.07433	0.0705	1.13E-02	1.12E-02	1.06E-02	1.09E-02	1.03E-02	2.99E-03	2.84E-03	5.83E-03	2.92E-03	2.77E-03	5.69E-03	2.88E-03	2.73E-03	5.61E-03
2678 490860.04, 3858960.04	0.06841	0.06504	1.04E-02	1.03E-02	9.79E-03	1.00E-02	9.46E-03	2.75E-03	2.62E-03	5.37E-03	2.69E-03	2.55E-03	5.24E-03	2.65E-03	2.52E-03	5.17E-03
2679 490360.04, 3859010.04	0.12264	0.11744	1.86E-02	1.86E-02	1.76E-02	1.80E-02	1.70E-02	4.94E-03	4.73E-03	9.66E-03	4.82E-03	4.61E-03	9.43E-03	4.75E-03	4.55E-03	9.30E-03
2680 490410.04, 3859010.04	0.11494	0.11088	1.75E-02	1.76E-02	1.65E-02	1.69E-02	1.59E-02	4.63E-03	4.46E-03	9.09E-03	4.51E-03	4.35E-03	8.87E-03	4.45E-03	4.30E-03	8.75E-03
2681 490460.04, 3859010.04	0.10489	0.10202	1.59E-02	1.62E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	4.11E-03	8.33E-03	4.12E-03	4.01E-03	8.13E-03	4.06E-03	3.95E-03	8.02E-03
2682 490510.04, 3859010.04	0.09782	0.0937	1.49E-02	1.48E-02	1.40E-02	1.43E-02	1.35E-02	3.94E-03	3.77E-03	7.71E-03	3.84E-03	3.68E-03	7.52E-03	3.79E-03	3.63E-03	7.42E-03
2683 490560.04, 3859010.04	0.09423	0.08995	1.43E-02	1.42E-02	1.35E-02	1.38E-02	1.30E-02	3.79E-03	3.62E-03	7.41E-03	3.70E-03	3.53E-03	7.23E-03	3.65E-03	3.49E-03	7.14E-03
2684 490610.04, 3859010.04	0.08859	0.08439	1.35E-02	1.34E-02	1.27E-02	1.30E-02	1.23E-02	3.57E-03	3.40E-03	6.96E-03	3.48E-03	3.31E-03	6.79E-03	3.43E-03	3.27E-03	6.70E-03
2685 490660.04, 3859010.04	0.08646	0.08237	1.31E-02	1.30E-02	1.24E-02	1.27E-02	1.20E-02	3.48E-03	3.31E-03	6.79E-03	3.40E-03	3.23E-03	6.63E-03	3.35E-03	3.19E-03	6.54E-03
2686 490710.04, 3859010.04	0.08257	0.07744	1.25E-02	1.23E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.12E-03	6.44E-03	3.24E-03	3.04E-03	6.28E-03	3.20E-03	3.00E-03	6.20E-03
2687 490760.04, 3859010.04	0.0773	0.07347	1.17E-02	1.16E-02	1.11E-02	1.13E-02	1.07E-02	3.11E-03	2.96E-03	6.07E-03	3.04E-03	2.89E-03	5.92E-03	3.00E-03	2.85E-03	5.84E-03
2688 490810.04, 3859010.04	0.07185	0.06826	1.09E-02	1.08E-02	1.03E-02	1.05E-02	9.94E-03	2.89E-03	2.75E-03	5.64E-03	2.82E-03	2.68E-03	5.50E-03	2.78E-03	2.64E-03	5.43E-03
2689 490860.04, 3859010.04	0.06738	0.06459	1.02E-02	1.02E-02	9.65E-03	9.88E-03	9.32E-03	2.71E-03	2.60E-03	5.31E-03	2.65E-03	2.54E-03	5.18E-03	2.61E-03	2.50E-03	5.11E-03
2690 490360.04, 3859060.04	0.1245	0.11855	1.89E-02	1.88E-02	1.78E-02	1.83E-02	1.72E-02	5.01E-03	4.77E-03	9.78E-03	4.89E-03	4.66E-03	9.54E-03	4.82E-03	4.59E-03	9.42E-03
2691 490410.04, 3859060.04	0.11418	0.1084	1.73E-02	1.72E-02	1.63E-02	1.67E-02	1.58E-02	4.59E-03	4.36E-03	8.96E-03	4.48E-03	4.26E-03	8.74E-03	4.42E-03	4.20E-03	8.62E-03
2692 490460.04, 3859060.04	0.10502	0.0998	1.60E-02	1.58E-02	1.50E-02	1.54E-02	1.45E-02	4.23E-03	4.02E-03	8.24E-03	4.12E-03	3.92E-03	8.04E-03	4.07E-03	3.87E-03	7.94E-03
2693 490510.04, 3859060.04	0.09854	0.0938	1.50E-02	1.49E-02	1.41E-02	1.44E-02	1.36E-02	3.97E-03	3.77E-03	7.74E-03	3.87E-03	3.68E-03	7.55E-03	3.82E-03	3.63E-03	7.45E-03
2694 490560.04, 3859060.04	0.09287	0.08846	1.41E-02	1.40E-02	1.33E-02	1.36E-02	1.28E-02	3.74E-03	3.56E-03	7.30E-03	3.65E-03	3.47E-03	7.12E-03	3.60E-03	3.43E-03	7.03E-03
2695 490610.04, 3859060.04	0.08958	0.08465	1.36E-02	1.34E-02	1.28E-02	1.31E-02	1.24E-02	3.60E-03	3.41E-03	7.01E-03	3.52E-03	3.32E-03	6.84E-03	3.47E-03	3.28E-03	6.75E-03
2696 490660.04, 3859060.04	0.0867	0.08123	1.32E-02	1.29E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.27E-03	6.76E-03	3.40E-03	3.19E-03	6.59E-03	3.36E-03	3.15E-03	6.51E-03
2697 490710.04, 3859060.04	0.08004	0.07638	1.22E-02	1.21E-02	1.15E-02	1.17E-02	1.11E-02	3.22E-03	3.07E-03	6.29E-03	3.14E-03	3.00E-03	6.14E-03	3.10E-03	2.96E-03	6.06E-03
2698 490760.04, 3859060.04	0.07444	0.07104	1.13E-02	1.12E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	2.86E-03	5.85E-03	2.92E-03	2.79E-03	5.71E-03	2.88E-03	2.75E-03	5.64E-03
2699 490810.04, 3859060.04	0.06958	0.06634	1.06E-02	1.05E-02	9.96E-03	1.02E-02	9.62E-03	2.80E-03	2.67E-03	5.47E-03	2.73E-03	2.61E-03	5.34E-03	2.70E-03	2.57E-03	5.27E-03
2700 490860.04, 3859060.04	0.06652	0.06306	1.01E-02	9.98E-03	9.52E-03	9.75E-03	9.20E-03	2.68E-03	2.54E-03	5.21E-03	2.61E-03	2.48E-03	5.09E-03	2.58E-03	2.44E-03	5.02E-03
2701 490360.04, 3859110.04	0.1283	0.12266	1.95E-02	1.94E-02	1.84E-02	1.88E-02	1.77E-02	5.16E-03	4.94E-03	1.01E-02	5.04E-03	4.82E-03	9.86E-03	4.97E-03	4.75E-03	9.72E-03
2702 490410.04, 3859110.04	0.11749	0.1104	1.79E-02	1.75E-02	1.68E-02	1.72E-02	1.62E-02	4.73E-03	4.44E-03	9.17E-03	4.61E-03	4.34E-03	8.95E-03	4.55E-03	4.28E-03	8.83E-03

2703 490460.04, 3859110.04	0.11023	0.10397	1.67E-02	1.65E-02	1.58E-02	1.62E-02	1.52E-02	4.44E-03	4.18E-03	8.62E-03	4.33E-03	4.08E-03	8.41E-03	4.27E-03	4.03E-03	8.30E-03
2704 490510.04, 3859110.04	0.09895	0.0941	1.50E-02	1.49E-02	1.42E-02	1.45E-02	1.37E-02	3.98E-03	3.79E-03	7.77E-03	3.89E-03	3.70E-03	7.58E-03	3.83E-03	3.65E-03	7.48E-03
2705 490560.04, 3859110.04	0.09433	0.08886	1.43E-02	1.41E-02	1.35E-02	1.38E-02	1.30E-02	3.80E-03	3.58E-03	7.37E-03	3.70E-03	3.49E-03	7.19E-03	3.66E-03	3.44E-03	7.10E-03
2706 490610.04, 3859110.04	0.08766	0.0828	1.33E-02	1.31E-02	1.25E-02	1.29E-02	1.21E-02	3.53E-03	3.33E-03	6.86E-03	3.44E-03	3.25E-03	6.69E-03	3.40E-03	3.21E-03	6.61E-03
2707 490660.04, 3859110.04	0.08028	0.0762	1.22E-02	1.21E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.07E-03	6.30E-03	3.15E-03	2.99E-03	6.14E-03	3.11E-03	2.95E-03	6.06E-03
2708 490710.04, 3859110.04	0.07667	0.07285	1.17E-02	1.15E-02	1.10E-02	1.12E-02	1.06E-02	3.09E-03	2.93E-03	6.02E-03	3.01E-03	2.86E-03	5.87E-03	2.97E-03	2.82E-03	5.79E-03
2709 490760.04, 3859110.04	0.07262	0.06875	1.10E-02	1.09E-02	1.04E-02	1.06E-02	1.00E-02	2.92E-03	2.77E-03	5.69E-03	2.85E-03	2.70E-03	5.55E-03	2.81E-03	2.66E-03	5.48E-03
2710 490810.04, 3859110.04	0.06858	0.06451	1.04E-02	1.02E-02	9.82E-03	1.01E-02	9.49E-03	2.76E-03	2.60E-03	5.36E-03	2.69E-03	2.53E-03	5.23E-03	2.66E-03	2.50E-03	5.16E-03
2711 490860.04, 3859110.04	0.06442	0.06048	9.79E-03	9.58E-03	9.22E-03	9.45E-03	8.91E-03	2.59E-03	2.43E-03	5.03E-03	2.53E-03	2.38E-03	4.90E-03	2.50E-03	2.34E-03	4.84E-03
2712 490360.04, 3859160.04	0.13446	0.12897	2.04E-02	2.04E-02	1.92E-02	1.97E-02	1.86E-02	5.41E-03	5.19E-03	1.06E-02	5.28E-03	5.06E-03	1.03E-02	5.21E-03	5.00E-03	1.02E-02
2713 490410.04, 3859160.04	0.12321	0.11636	1.87E-02	1.84E-02	1.76E-02	1.81E-02	1.70E-02	4.96E-03	4.68E-03	9.64E-03	4.84E-03	4.57E-03	9.41E-03	4.77E-03	4.51E-03	9.28E-03
2714 490460.04, 3859160.04	0.11433	0.10859	1.74E-02	1.72E-02	1.64E-02	1.68E-02	1.58E-02	4.60E-03	4.37E-03	8.97E-03	4.49E-03	4.26E-03	8.75E-03	4.43E-03	4.21E-03	8.64E-03
2715 490510.04, 3859160.04	0.10464	0.10009	1.59E-02	1.58E-02	1.50E-02	1.53E-02	1.45E-02	4.21E-03	4.03E-03	8.24E-03	4.11E-03	3.93E-03	8.04E-03	4.05E-03	3.88E-03	7.93E-03
2716 490560.04, 3859160.04	0.09676	0.0911	1.47E-02	1.44E-02	1.39E-02	1.42E-02	1.34E-02	3.89E-03	3.67E-03	7.56E-03	3.80E-03	3.58E-03	7.38E-03	3.75E-03	3.53E-03	7.28E-03
2717 490610.04, 3859160.04	0.09021	0.08562	1.37E-02	1.36E-02	1.29E-02	1.32E-02	1.25E-02	3.63E-03	3.45E-03	7.08E-03	3.54E-03	3.36E-03	6.90E-03	3.50E-03	3.32E-03	6.81E-03
2718 490660.04, 3859160.04	0.07871	0.0751	1.20E-02	1.19E-02	1.13E-02	1.15E-02	1.09E-02	3.17E-03	3.02E-03	6.19E-03	3.09E-03	2.95E-03	6.04E-03	3.05E-03	2.91E-03	5.96E-03
2719 490710.04, 3859160.04	0.07543	0.07147	1.15E-02	1.13E-02	1.08E-02	1.11E-02	1.04E-02	3.04E-03	2.88E-03	5.91E-03	2.96E-03	2.81E-03	5.77E-03	2.92E-03	2.77E-03	5.69E-03
2720 490760.04, 3859160.04	0.06971	0.06526	1.06E-02	1.03E-02	9.98E-03	1.02E-02	9.64E-03	2.81E-03	2.63E-03	5.43E-03	2.74E-03	2.56E-03	5.30E-03	2.70E-03	2.53E-03	5.23E-03
2721 490810.04, 3859160.04	0.06653	0.06245	1.01E-02	9.89E-03	9.52E-03	9.76E-03	9.20E-03	2.68E-03	2.51E-03	5.19E-03	2.61E-03	2.45E-03	5.07E-03	2.58E-03	2.42E-03	5.00E-03
2722 490860.04, 3859160.04	0.06264	0.05966	9.52E-03	9.45E-03	8.97E-03	9.18E-03	8.66E-03	2.52E-03	2.40E-03	4.92E-03	2.46E-03	2.34E-03	4.80E-03	2.43E-03	2.31E-03	4.74E-03
2723 490360.04, 3859210.04	0.14204	0.13759	2.16E-02	2.18E-02	2.03E-02	2.08E-02	1.96E-02	5.72E-03	5.54E-03	1.13E-02	5.58E-03	5.40E-03	1.10E-02	5.50E-03	5.33E-03	1.08E-02
2724 490410.04, 3859210.04	0.13406	0.12917	2.04E-02	2.05E-02	1.92E-02	1.97E-02	1.85E-02	5.40E-03	5.20E-03	1.06E-02	5.26E-03	5.07E-03	1.03E-02	5.19E-03	5.01E-03	1.02E-02
2725 490460.04, 3859210.04	0.11989	0.11454	1.82E-02	1.81E-02	1.72E-02	1.76E-02	1.66E-02	4.82E-03	4.61E-03	9.43E-03	4.71E-03	4.50E-03	9.21E-03	4.65E-03	4.44E-03	9.08E-03
2726 490510.04, 3859210.04	0.1099	0.10457	1.67E-02	1.66E-02	1.57E-02	1.61E-02	1.52E-02	4.42E-03	4.21E-03	8.63E-03	4.32E-03	4.11E-03	8.42E-03	4.26E-03	4.05E-03	8.31E-03
2727 490560.04, 3859210.04	0.10294	0.09766	1.56E-02	1.55E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	3.93E-03	8.07E-03	4.04E-03	3.84E-03	7.88E-03	3.99E-03	3.78E-03	7.77E-03
2728 490610.04, 3859210.04	0.09405	0.08934	1.43E-02	1.41E-02	1.35E-02	1.38E-02	1.30E-02	3.78E-03	3.60E-03	7.38E-03	3.69E-03	3.51E-03	7.20E-03	3.64E-03	3.46E-03	7.11E-03
2729 490660.04, 3859210.04	0.08308	0.07846	1.26E-02	1.24E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	3.16E-03	6.50E-03	3.26E-03	3.08E-03	6.34E-03	3.22E-03	3.04E-03	6.26E-03
2730 490710.04, 3859210.04	0.0773	0.07241	1.17E-02	1.15E-02	1.11E-02	1.13E-02	1.07E-02	3.11E-03	2.91E-03	6.02E-03	3.04E-03	2.84E-03	5.88E-03	3.00E-03	2.81E-03	5.80E-03
2731 490760.04, 3859210.04	0.07177	0.06694	1.09E-02	1.06E-02	1.03E-02	1.05E-02	9.93E-03	2.89E-03	2.69E-03	5.58E-03	2.82E-03	2.63E-03	5.45E-03	2.78E-03	2.59E-03	5.37E-03
2732 490810.04, 3859210.04	0.0702	0.06569	1.07E-02	1.04E-02	1.00E-02	1.03E-02	9.71E-03	2.83E-03	2.64E-03	5.47E-03	2.76E-03	2.58E-03	5.34E-03	2.72E-03	2.55E-03	5.27E-03
2733 490860.04, 3859210.04	0.06868	0.06434	1.04E-02	1.02E-02	9.83E-03	1.01E-02	9.50E-03	2.76E-03	2.59E-03	5.35E-03	2.70E-03	2.53E-03	5.22E-03	2.66E-03	2.49E-03	5.15E-03
2734 490360.04, 3859260.04	0.15107	0.14522	2.30E-02	2.30E-02	2.16E-02	2.22E-02	2.09E-02	6.08E-03	5.84E-03	1.19E-02	5.93E-03	5.70E-03	1.16E-02	5.85E-03	5.63E-03	1.15E-02
2735 490410.04, 3859260.04	0.14186	0.13438	2.16E-02	2.13E-02	2.03E-02	2.08E-02	1.96E-02	5.71E-03	5.41E-03	1.11E-02	5.57E-03	5.28E-03	1.08E-02	5.50E-03	5.21E-03	1.07E-02
2736 490460.04, 3859260.04	0.13413	0.12695	2.04E-02	2.01E-02	1.92E-02	1.97E-02	1.86E-02	5.40E-03	5.11E-03	1.05E-02	5.27E-03	4.99E-03	1.03E-02	5.20E-03	4.92E-03	1.01E-02
2737 490510.04, 3859260.04	0.12427	0.1193	1.89E-02	1.89E-02	1.78E-02	1.82E-02	1.72E-02	5.00E-03	4.80E-03	9.80E-03	4.88E-03	4.68E-03	9.56E-03	4.82E-03	4.62E-03	9.44E-03
2738 490560.04, 3859260.04	0.11388	0.11005	1.73E-02	1.74E-02	1.63E-02	1.67E-02	1.58E-02	4.58E-03	4.43E-03	9.01E-03	4.47E-03	4.32E-03	8.79E-03	4.41E-03	4.26E-03	8.68E-03
2739 490610.04, 3859260.04	0.10098	0.09564	1.53E-02	1.51E-02	1.45E-02	1.48E-02	1.40E-02	4.06E-03	3.85E-03	7.91E-03	3.97E-03	3.76E-03	7.72E-03	3.91E-03	3.71E-03	7.62E-03
2740 490660.04, 3859260.04	0.09757	0.0925	1.48E-02	1.46E-02	1.40E-02	1.43E-02	1.35E-02	3.93E-03	3.72E-03	7.65E-03	3.83E-03	3.63E-03	7.46E-03	3.78E-03	3.58E-03	7.36E-03
2741 490710.04, 3859260.04	0.08933	0.08394	1.36E-02	1.33E-02	1.28E-02	1.31E-02	1.24E-02	3.59E-03	3.38E-03	6.97E-03	3.51E-03	3.30E-03	6.80E-03	3.46E-03	3.25E-03	6.71E-03
2742 490760.04, 3859260.04	0.08194	0.07733	1.25E-02	1.22E-02	1.17E-02	1.20E-02	1.13E-02	3.30E-03	3.11E-03	6.41E-03	3.22E-03	3.04E-03	6.25E-03	3.18E-03	3.00E-03	6.17E-03
2743 490810.04, 3859260.04	0.07862	0.07451	1.19E-02	1.18E-02	1.13E-02	1.15E-02	1.09E-02	3.16E-03	3.00E-03	6.16E-03	3.09E-03	2.93E-03	6.01E-03	3.05E-03	2.89E-03	5.93E-03
2744 490860.04, 3859260.04	0.07589	0.07206	1.15E-02	1.14E-02	1.09E-02	1.11E-02	1.05E-02	3.05E-03	2.90E-03	5.95E-03	2.98E-03	2.83E-03	5.81E-03	2.94E-03	2.79E-03	5.73E-03
2745 490360.04, 3859310.04	0.17198	0.16258	2.61E-02	2.57E-02	2.46E-02	2.52E-02	2.38E-02	6.92E-03	6.54E-03	1.35E-02	6.75E-03	6.38E-03	1.31E-02	6.66E-03	6.30E-03	1.30E-02
2746 490410.04, 3859310.04	0.15633	0.14906	2.38E-02	2.36E-02	2.24E-02	2.29E-02	2.16E-02	6.29E-03	6.00E-03	1.23E-02	6.14E-03	5.85E-03	1.20E-02	6.06E-03	5.78E-03	1.18E-02
2747 490460.04, 3859310.04	0.14591	0.13897	2.22E-02	2.20E-02	2.09E-02	2.14E-02	2.02E-02	5.87E-03	5.59E-03	1.15E-02	5.73E-03	5.46E-03	1.12E-02	5.65E-03	5.38E-03	1.10E-02
2748 490510.04, 3859310.04	0.13763	0.1314	2.09E-02	2.08E-02	1.97E-02	2.02E-02	1.90E-02	5.54E-03	5.29E-03	1.08E-02	5.40E-03	5.16E-03	1.06E-02	5.33E-03	5.09E-03	1.04E-02
2749 490560.04, 3859310.04	0.12849	0.12365	1.95E-02	1.96E-02	1.84E-02	1.88E-02	1.78E-02	5.17E-03	4.98E-03	1.01E-02	5.05E-03	4.86E-03	9.90E-03	4.98E-03	4.79E-03	9.77E-03
2750 490610.04, 3859310.04	0.12177	0.11755	1.85E-02	1.86E-02	1.74E-02	1.79E-02	1.68E-02	4.90E-03	4.73E-03	9.63E-03	4.78E-03	4.62E-03	9.40E-03	4.72E-03	4.55E-03	9.27E-03
2751 490660.04, 3859310.04	0.11352	0.10996	1.72E-02	1.74E-02	1.63E-02	1.66E-02	1.57E-02	4.57E-03	4.43E-03	8.99E-03	4.46E-03	4.32E-03	8.78E-03	4.40E-03	4.26E-03	8.66E-03
2752 490710.04, 3859310.04	0.10054	0.09534	1.53E-02	1.51E-02	1.44E-02	1.47E-02	1.39E-02	4.05E-03	3.84E-03	7.88E-03	3.95E-03	3.74E-03	7.69E-03	3.90E-03	3.69E-03	7.59E-03
2753 490760.04, 3859310.04	0.09325	0.08841	1.42E-02	1.40E-02	1.33E-02	1.37E-02	1.29E-02	3.75E-03	3.56E-03	7.31E-03	3.66E-03	3.47E-03	7.13E-03	3.61E-03	3.43E-03	7.04E-03
2754 490810.04, 3859310.04	0.0893	0.08495	1.36E-02	1.35E-02	1.28E-02	1.31E-02	1.24E-02	3.59E-03	3.42E-03	7.01E-03	3.51E-03	3.34E-03	6.84E-03	3.46E-03	3.29E-03	6.75E-03
2755 490860.04, 3859310.04	0.08394	0.07895	1.28E-02	1.25E-02	1.20E-02	1.23E-02	1.16E-02	3.38E-03	3.18E-03	6.56E-03	3.30E-03	3.10E-03	6.40E-03	3.25E-03	3.06E-03	6.31E-03
2756 490360.04, 3859360.04	0.19049	0.18348	2.89E-02	2.91E-02	2.73E-02	2.79E-02	2.63E-02	7.67E-03	7.38E-03	1.50E-02	7.48E-03	7.21E-03	1.47E-02	7.38E-03	7.11E-03	1.45E-02
2757 490410.04, 3859360.04	0.17983	0.17217	2.73E-02	2.73E-02	2.57E-02	2.64E-02	2.49E-02	7.24E-03	6.93E-03	1.42E-02	7.06E-03	6.76E-03	1.38E-02	6.97E-03	6.67E-03	1.36E-02
2758 490460.04, 3859360.04	0.1667	0.16276	2.53E-02	2.58E-02	2.39E-02	2.44E-02	2.31E-02	6.71E-03	6.55E-03	1.33E-02	6.55E-03	6.39E-03	1.29E-02	6.46E-03	6.31E-03	1.28E-02
2759 490510.04, 3859360.04	0.15808	0.15216	2.40E-02	2.41E-02	2.26E-02	2.32E-02	2.19E-02	6.36E-03	6.12E-03	1.25E-02	6.21E-03	5.98E-03	1.22E-02	6.13E-03	5.90E-03	1.20E-02
2760 490560.04, 3859360.04	0.14655	0.13899	2.23E-02	2.20E-02	2.10E-02	2.15E-02	2.03E-02	5.90E-03	5.59E-03	1.15E-02	5.75E-03	5.46E-03	1.12E-02	5.68E-03	5.39E-03	1.11E-02
2761 490610.04, 3859360.04	0.13487	0.12881	2.05E-02	2.04E-02	1.93E-02	1.98E-02	1.87E-02	5.43E-03	5.18E-03	1.06E-02	5.30E-03	5.06E-03	1.04E-02	5.23E-03	4.99E-03	1.02E-02
2762 490660.04, 3859360.04	0.12536	0.1211	1.90E-02	1.92E-02	1.79E-02	1.84E-02	1.73E-02	5.04E-03	4.87E-03	9.92E-03	4.92E-03	4.76E-03	9.68E-03	4.86E-03	4.69E-03	9.55E-03
2763 490710.04, 3859360.04	0.11436	0.11104	1.74E-02	1.76E-02	1.64E-02	1.68E-02	1.58E-02	4.60E-03	4.47E-03	9.07E-03	4.49E-03	4.36E-03	8.85E-03	4.43E-03	4.30E-03	8.73E-03
2764 490760.04, 3859360.04	0.10483	0.09901	1.59E-02	1.57E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	3.98E-03	8.20E-03	4.12E-03	3.89E-03	8.00E-03	4.06E-03	3.84E-03	7.90E-03
2765 490810.04, 3859360.04	0.10207	0.09626	1.55E-02	1.52E-02	1.46E-02	1.50E-02	1.41E-02	4.11E-03	3.87E-03	7.98E-03	4.01E-03	3.78E-03	7.79E-03	3.96E-03	3.73E-03	7.68E-03
2766 490860.04, 3859360.04	0.09612	0.0907	1.46E-02	1.44E-02	1.38E-02	1.41E-02	1.33E-02	3.87E-03	3.65E-03	7.52E-03	3.77E-03	3.56E-03	7.34E-03	3.72E-03	3.51E-03	7.24E-03
2767 490360.04, 3859410.04	0.21679	0.21061	3.29E-02	3.33E-02	3.10E-02	3.18E-02	3.00E-02	8.72E-03	8.48E-03	1.72E-02	8.51E-03	8.27E-03	1.68E-02	8.40E-03	8.16E-03	1.66E-02
2768 490410.04, 3859410.04	0.20189	0.19648	3.07E-02	3.11E-02	2.89E-02	2.96E-02	2.79E-02	8.12E-03	7.91E-03	1.60E-02	7.93E-03	7.72E-03	1.56E-02	7.82E-03	7.61E-03	1.54E-02

2769 490460.04, 3859410.04	0.19084	0.1855	2.90E-02	2.94E-02	2.73E-02	2.80E-02	2.64E-02	7.68E-03	7.47E-03	1.51E-02	7.49E-03	7.28E-03	1.48E-02	7.39E-03	7.19E-03	1.46E-02
2770 490510.04, 3859410.04	0.17748	0.17388	2.70E-02	2.75E-02	2.54E-02	2.60E-02	2.45E-02	7.14E-03	7.00E-03	1.41E-02	6.97E-03	6.83E-03	1.38E-02	6.88E-03	6.74E-03	1.36E-02
2771 490560.04, 3859410.04	0.16726	0.16203	2.54E-02	2.57E-02	2.39E-02	2.45E-02	2.31E-02	6.73E-03	6.52E-03	1.33E-02	6.57E-03	6.36E-03	1.29E-02	6.48E-03	6.28E-03	1.28E-02
2772 490610.04, 3859410.04	0.15705	0.15066	2.39E-02	2.39E-02	2.25E-02	2.30E-02	2.17E-02	6.32E-03	6.06E-03	1.24E-02	6.17E-03	5.92E-03	1.21E-02	6.09E-03	5.84E-03	1.19E-02
2773 490660.04, 3859410.04	0.14125	0.13615	2.15E-02	2.16E-02	2.02E-02	2.07E-02	1.95E-02	5.68E-03	5.48E-03	1.12E-02	5.55E-03	5.35E-03	1.09E-02	5.47E-03	5.28E-03	1.07E-02
2774 490710.04, 3859410.04	0.12812	0.12491	1.95E-02	1.98E-02	1.83E-02	1.88E-02	1.77E-02	5.16E-03	5.03E-03	1.02E-02	5.03E-03	4.91E-03	9.94E-03	4.96E-03	4.84E-03	9.80E-03
2775 490760.04, 3859410.04	0.11674	0.11148	1.77E-02	1.77E-02	1.67E-02	1.71E-02	1.61E-02	4.70E-03	4.49E-03	9.18E-03	4.58E-03	4.38E-03	8.96E-03	4.52E-03	4.32E-03	8.84E-03
2776 490810.04, 3859410.04	0.11354	0.10959	1.73E-02	1.74E-02	1.63E-02	1.66E-02	1.57E-02	4.57E-03	4.41E-03	8.98E-03	4.46E-03	4.30E-03	8.76E-03	4.40E-03	4.25E-03	8.65E-03
2777 490860.04, 3859410.04	0.11117	0.10765	1.69E-02	1.70E-02	1.59E-02	1.63E-02	1.54E-02	4.47E-03	4.33E-03	8.81E-03	4.37E-03	4.23E-03	8.59E-03	4.31E-03	4.17E-03	8.48E-03
2778 490360.04, 3859460.04	0.25194	0.24679	3.83E-02	3.91E-02	3.61E-02	3.69E-02	3.48E-02	1.01E-02	9.93E-03	2.01E-02	9.89E-03	9.69E-03	1.96E-02	9.76E-03	9.56E-03	1.93E-02
2779 490410.04, 3859460.04	0.22946	0.22555	3.49E-02	3.57E-02	3.28E-02	3.36E-02	3.17E-02	9.23E-03	9.08E-03	1.83E-02	9.01E-03	8.86E-03	1.79E-02	8.89E-03	8.74E-03	1.76E-02
2780 490460.04, 3859460.04	0.21309	0.20954	3.24E-02	3.32E-02	3.05E-02	3.12E-02	2.95E-02	8.58E-03	8.43E-03	1.70E-02	8.37E-03	8.23E-03	1.66E-02	8.26E-03	8.12E-03	1.64E-02
2781 490510.04, 3859460.04	0.20037	0.1969	3.04E-02	3.12E-02	2.87E-02	2.94E-02	2.77E-02	8.06E-03	7.92E-03	1.60E-02	7.87E-03	7.73E-03	1.56E-02	7.76E-03	7.63E-03	1.54E-02
2782 490560.04, 3859460.04	0.18904	0.18419	2.87E-02	2.92E-02	2.71E-02	2.77E-02	2.61E-02	7.61E-03	7.41E-03	1.50E-02	7.42E-03	7.23E-03	1.47E-02	7.33E-03	7.14E-03	1.45E-02
2783 490610.04, 3859460.04	0.17617	0.17014	2.68E-02	2.69E-02	2.52E-02	2.58E-02	2.44E-02	7.09E-03	6.85E-03	1.39E-02	6.92E-03	6.68E-03	1.36E-02	6.83E-03	6.59E-03	1.34E-02
2784 490660.04, 3859460.04	0.16302	0.15602	2.48E-02	2.47E-02	2.33E-02	2.39E-02	2.25E-02	6.56E-03	6.28E-03	1.28E-02	6.40E-03	6.13E-03	1.25E-02	6.32E-03	6.05E-03	1.24E-02
2785 490710.04, 3859460.04	0.15167	0.14588	2.30E-02	2.31E-02	2.17E-02	2.22E-02	2.10E-02	6.10E-03	5.87E-03	1.20E-02	5.96E-03	5.73E-03	1.17E-02	5.88E-03	5.65E-03	1.15E-02
2786 490760.04, 3859460.04	0.13981	0.13622	2.12E-02	2.16E-02	2.00E-02	2.05E-02	1.93E-02	5.63E-03	5.48E-03	1.11E-02	5.49E-03	5.35E-03	1.08E-02	5.42E-03	5.28E-03	1.07E-02
2787 490810.04, 3859460.04	0.12894	0.12591	1.96E-02	1.99E-02	1.85E-02	1.89E-02	1.78E-02	5.19E-03	5.07E-03	1.03E-02	5.06E-03	4.94E-03	1.00E-02	5.00E-03	4.88E-03	9.88E-03
2788 490860.04, 3859460.04	0.12468	0.12158	1.89E-02	1.92E-02	1.78E-02	1.83E-02	1.72E-02	5.02E-03	4.89E-03	9.91E-03	4.90E-03	4.77E-03	9.67E-03	4.83E-03	4.71E-03	9.54E-03
2789 490360.04, 3859510.04	0.29778	0.29314	4.52E-02	4.64E-02	4.26E-02	4.37E-02	4.12E-02	1.20E-02	1.18E-02	2.38E-02	1.17E-02	1.15E-02	2.32E-02	1.15E-02	1.14E-02	2.29E-02
2790 490410.04, 3859510.04	0.27255	0.27095	4.14E-02	4.29E-02	3.90E-02	4.00E-02	3.77E-02	1.10E-02	1.09E-02	2.19E-02	1.07E-02	1.06E-02	2.13E-02	1.06E-02	1.05E-02	2.11E-02
2791 490460.04, 3859510.04	0.25025	0.24591	3.80E-02	3.89E-02	3.58E-02	3.67E-02	3.46E-02	1.01E-02	9.90E-03	2.00E-02	9.83E-03	9.66E-03	1.95E-02	9.70E-03	9.53E-03	1.92E-02
2792 490510.04, 3859510.04	0.23098	0.22717	3.51E-02	3.60E-02	3.31E-02	3.39E-02	3.19E-02	9.30E-03	9.14E-03	1.84E-02	9.07E-03	8.92E-03	1.80E-02	8.95E-03	8.80E-03	1.78E-02
2793 490560.04, 3859510.04	0.21545	0.21237	3.27E-02	3.36E-02	3.08E-02	3.16E-02	2.98E-02	8.67E-03	8.55E-03	1.72E-02	8.46E-03	8.34E-03	1.68E-02	8.35E-03	8.23E-03	1.66E-02
2794 490610.04, 3859510.04	0.20222	0.19628	3.07E-02	3.11E-02	2.89E-02	2.97E-02	2.80E-02	8.14E-03	7.90E-03	1.60E-02	7.94E-03	7.71E-03	1.56E-02	7.84E-03	7.61E-03	1.54E-02
2795 490660.04, 3859510.04	0.18804	0.18176	2.86E-02	2.88E-02	2.69E-02	2.76E-02	2.60E-02	7.57E-03	7.31E-03	1.49E-02	7.38E-03	7.14E-03	1.45E-02	7.29E-03	7.04E-03	1.43E-02
2796 490710.04, 3859510.04	0.17408	0.16728	2.65E-02	2.65E-02	2.49E-02	2.55E-02	2.41E-02	7.01E-03	6.73E-03	1.37E-02	6.84E-03	6.57E-03	1.34E-02	6.75E-03	6.48E-03	1.32E-02
2797 490760.04, 3859510.04	0.16183	0.15601	2.46E-02	2.47E-02	2.32E-02	2.37E-02	2.24E-02	6.51E-03	6.28E-03	1.28E-02	6.36E-03	6.13E-03	1.25E-02	6.27E-03	6.05E-03	1.23E-02
2798 490810.04, 3859510.04	0.15016	0.14792	2.28E-02	2.34E-02	2.15E-02	2.20E-02	2.08E-02	6.04E-03	5.95E-03	1.20E-02	5.90E-03	5.81E-03	1.17E-02	5.82E-03	5.73E-03	1.16E-02
2799 490860.04, 3859510.04	0.13993	0.1379	2.13E-02	2.18E-02	2.00E-02	2.05E-02	1.94E-02	5.63E-03	5.55E-03	1.12E-02	5.50E-03	5.42E-03	1.09E-02	5.42E-03	5.34E-03	1.08E-02
2800 490360.04, 3859560.04	0.36589	0.35759	5.56E-02	5.66E-02	5.24E-02	5.36E-02	5.06E-02	1.47E-02	1.44E-02	2.91E-02	1.44E-02	1.40E-02	2.84E-02	1.42E-02	1.39E-02	2.80E-02
2801 490410.04, 3859560.04	0.33601	0.32834	5.11E-02	5.20E-02	4.81E-02	4.93E-02	4.65E-02	1.35E-02	1.32E-02	2.67E-02	1.32E-02	1.29E-02	2.61E-02	1.30E-02	1.27E-02	2.57E-02
2802 490460.04, 3859560.04	0.30887	0.30152	4.69E-02	4.77E-02	4.42E-02	4.53E-02	4.27E-02	1.24E-02	1.21E-02	2.46E-02	1.21E-02	1.18E-02	2.40E-02	1.20E-02	1.17E-02	2.37E-02
2803 490510.04, 3859560.04	0.2788	0.27199	4.24E-02	4.31E-02	3.99E-02	4.09E-02	3.86E-02	1.12E-02	1.09E-02	2.22E-02	1.09E-02	1.07E-02	2.16E-02	1.08E-02	1.05E-02	2.13E-02
2804 490560.04, 3859560.04	0.25705	0.25284	3.91E-02	4.00E-02	3.68E-02	3.77E-02	3.56E-02	1.03E-02	1.02E-02	2.05E-02	1.01E-02	9.93E-03	2.00E-02	9.96E-03	9.80E-03	1.98E-02
2805 490610.04, 3859560.04	0.23543	0.23425	3.58E-02	3.71E-02	3.37E-02	3.45E-02	3.26E-02	9.47E-03	9.43E-03	1.89E-02	9.25E-03	9.20E-03	1.84E-02	9.12E-03	9.08E-03	1.82E-02
2806 490660.04, 3859560.04	0.2195	0.21498	3.34E-02	3.40E-02	3.14E-02	3.22E-02	3.04E-02	8.83E-03	8.65E-03	1.75E-02	8.62E-03	8.44E-03	1.71E-02	8.51E-03	8.33E-03	1.68E-02
2807 490710.04, 3859560.04	0.20122	0.19789	3.06E-02	3.13E-02	2.88E-02	2.95E-02	2.78E-02	8.10E-03	7.96E-03	1.61E-02	7.90E-03	7.77E-03	1.57E-02	7.80E-03	7.67E-03	1.55E-02
2808 490760.04, 3859560.04	0.18249	0.18012	2.77E-02	2.85E-02	2.61E-02	2.68E-02	2.52E-02	7.34E-03	7.25E-03	1.46E-02	7.17E-03	7.07E-03	1.42E-02	7.07E-03	6.98E-03	1.41E-02
2809 490810.04, 3859560.04	0.16993	0.16809	2.58E-02	2.66E-02	2.43E-02	2.49E-02	2.35E-02	6.84E-03	6.76E-03	1.36E-02	6.67E-03	6.60E-03	1.33E-02	6.58E-03	6.51E-03	1.31E-02
2810 490860.04, 3859560.04	0.15521	0.15661	2.36E-02	2.48E-02	2.22E-02	2.28E-02	2.15E-02	6.25E-03	6.30E-03	1.25E-02	6.10E-03	6.15E-03	1.22E-02	6.01E-03	6.07E-03	1.21E-02
2811 490187.25, 3859422.08	0.29432	0.289	4.47E-02	4.58E-02	4.21E-02	4.32E-02	4.07E-02	1.18E-02	1.16E-02	2.35E-02	1.16E-02	1.13E-02	2.29E-02	1.14E-02	1.12E-02	2.26E-02
2812 490237.25, 3859422.08	0.27461	0.26797	4.17E-02	4.24E-02	3.93E-02	4.03E-02	3.80E-02	1.11E-02	1.08E-02	2.18E-02	1.08E-02	1.05E-02	2.13E-02	1.06E-02	1.04E-02	2.10E-02
2813 490287.25, 3859422.08	0.25358	0.2439	3.85E-02	3.86E-02	3.63E-02	3.72E-02	3.51E-02	1.02E-02	9.82E-03	2.00E-02	9.96E-03	9.58E-03	1.95E-02	9.83E-03	9.45E-03	1.93E-02
2814 490337.25, 3859422.08	0.23231	0.22476	3.53E-02	3.56E-02	3.33E-02	3.41E-02	3.21E-02	9.35E-03	9.05E-03	1.84E-02	9.12E-03	8.83E-03	1.79E-02	9.00E-03	8.71E-03	1.77E-02
2815 490187.25, 3859472.08	0.3417	0.33793	5.19E-02	5.35E-02	4.89E-02	5.01E-02	4.73E-02	1.38E-02	1.36E-02	2.74E-02	1.34E-02	1.33E-02	2.67E-02	1.32E-02	1.31E-02	2.63E-02
2816 490237.25, 3859472.08	0.31811	0.31412	4.83E-02	4.97E-02	4.55E-02	4.66E-02	4.40E-02	1.28E-02	1.26E-02	2.54E-02	1.25E-02	1.23E-02	2.48E-02	1.23E-02	1.22E-02	2.45E-02
2817 490287.25, 3859472.08	0.29376	0.28972	4.46E-02	4.59E-02	4.21E-02	4.31E-02	4.06E-02	1.18E-02	1.17E-02	2.35E-02	1.15E-02	1.14E-02	2.29E-02	1.14E-02	1.12E-02	2.26E-02
2818 490337.25, 3859472.08	0.27216	0.26725	4.14E-02	4.23E-02	3.90E-02	3.99E-02	3.76E-02	1.10E-02	1.08E-02	2.17E-02	1.07E-02	1.05E-02	2.12E-02	1.05E-02	1.04E-02	2.09E-02
2819 490297.07, 3859500.42	0.31797	0.31265	4.83E-02	4.95E-02	4.55E-02	4.66E-02	4.40E-02	1.28E-02	1.26E-02	2.54E-02	1.25E-02	1.23E-02	2.48E-02	1.23E-02	1.21E-02	2.44E-02
2820 490327.07, 3859500.42	0.30514	0.30044	4.64E-02	4.76E-02	4.37E-02	4.47E-02	4.22E-02	1.23E-02	1.21E-02	2.44E-02	1.20E-02	1.18E-02	2.38E-02	1.18E-02	1.16E-02	2.35E-02
2821 490297.07, 3859530.42	0.35544	0.34867	5.40E-02	5.52E-02	5.09E-02	5.21E-02	4.92E-02	1.43E-02	1.40E-02	2.83E-02	1.40E-02	1.37E-02	2.77E-02	1.38E-02	1.35E-02	2.73E-02
2822 490327.07, 3859530.42	0.33852	0.3328	5.14E-02	5.27E-02	4.85E-02	4.96E-02	4.68E-02	1.36E-02	1.34E-02	2.70E-02	1.33E-02	1.31E-02	2.64E-02	1.31E-02	1.29E-02	2.60E-02
2823 490319.73, 3859055.34	0.13328	0.12709	2.03E-02	2.01E-02	1.91E-02	1.95E-02	1.84E-02	5.36E-03	5.11E-03	1.05E-02	5.23E-03	4.99E-03	1.02E-02	5.16E-03	4.92E-03	1.01E-02
2824 490319.73, 3859105.34	0.13748	0.13133	2.09E-02	2.08E-02	1.97E-02	2.02E-02	1.90E-02	5.53E-03	5.29E-03	1.08E-02	5.40E-03	5.16E-03	1.06E-02	5.33E-03	5.09E-03	1.04E-02
2825 490069.73, 3859155.34	0.18352	0.18368	2.79E-02	2.91E-02	2.63E-02	2.69E-02	2.54E-02	7.39E-03	7.39E-03	1.48E-02	7.21E-03	7.21E-03	1.44E-02	7.11E-03	7.12E-03	1.42E-02
2826 490119.73, 3859155.34	0.17382	0.17455	2.64E-02	2.76E-02	2.49E-02	2.55E-02	2.40E-02	7.00E-03	7.02E-03	1.40E-02	6.83E-03	6.85E-03	1.37E-02	6.74E-03	6.76E-03	1.35E-02
2827 490269.73, 3859155.34	0.15325	0.15003	2.33E-02	2.38E-02	2.19E-02	2.25E-02	2.12E-02	6.17E-03	6.04E-03	1.22E-02	6.02E-03	5.89E-03	1.19E-02	5.94E-03	5.81E-03	1.18E-02
2828 490319.73, 3859155.34	0.1449	0.13873	2.20E-02	2.20E-02	2.07E-02	2.12E-02	2.00E-02	5.83E-03	5.58E-03	1.14E-02	5.69E-03	5.45E-03	1.11E-02	5.61E-03	5.38E-03	1.10E-02
2829 490069.73, 3859205.34	0.20601	0.19959	3.13E-02	3.16E-02	2.95E-02	3.02E-02	2.85E-02	8.29E-03	8.03E-03	1.63E-02	8.09E-03	7.84E-03	1.59E-02	7.98E-03	7.73E-03	1.57E-02
2830 490119.73, 3859205.34	0.19711	0.19393	3.00E-02	3.07E-02	2.82E-02	2.89E-02	2.73E-02	7.93E-03	7.80E-03	1.57E-02	7.74E-03	7.62E-03	1.54E-02	7.64E-03	7.51E-03	1.52E-02
2831 490169.73, 3859205.34	0.18538	0.18485	2.82E-02	2.93E-02	2.65E-02	2.72E-02	2.56E-02	7.46E-03	7.44E-03	1.49E-02	7.28E-03	7.26E-03	1.45E-02	7.18E-03	7.16E-03	1.43E-02
2832 490219.73, 3859205.34	0.17239	0.17168	2.62E-02	2.72E-02	2.47E-02	2.53E-02	2.38E-02	6.94E-03	6.91E-03	1.38E-02	6.77E-03	6.74E-03	1.35E-02	6.68E-03	6.65E-03	1.33E-02
2833 490269.73, 3859205.34	0.15822	0.15513	2.40E-02	2.46E-02	2.27E-02	2.32E-02	2.19E-02	6.37E-03	6.24E-03	1.26E-02	6.21E-03	6.09E-03	1.23E-02	6.13E-03	6.01E-03	1.21E-02
2834 490319.73, 3859205.34	0.14949	0.14622	2.27E-02	2.32E-02	2.14E-02	2.19E-02	2.07E-02	6.02E-03	5.88E-03	1.19E-02	5.87E-03	5.74E-03	1.16E-02	5.79E-03	5.67E-03	1.15E-02

2835 490069.73, 3859255.34	0.22745	0.21714	3.46E-02	3.44E-02	3.26E-02	3.34E-02	3.15E-02	9.15E-03	8.74E-03	1.79E-02	8.93E-03	8.53E-03	1.75E-02	8.81E-03	8.41E-03	1.72E-02
2836 490119.73, 3859255.34	0.21686	0.2076	3.30E-02	3.29E-02	3.10E-02	3.18E-02	3.00E-02	8.73E-03	8.35E-03	1.71E-02	8.52E-03	8.15E-03	1.67E-02	8.40E-03	8.04E-03	1.64E-02
2837 490169.73, 3859255.34	0.20674	0.20009	3.14E-02	3.17E-02	2.96E-02	3.03E-02	2.86E-02	8.32E-03	8.05E-03	1.64E-02	8.12E-03	7.86E-03	1.60E-02	8.01E-03	7.75E-03	1.58E-02
2838 490219.73, 3859255.34	0.1912	0.18577	2.91E-02	2.94E-02	2.74E-02	2.80E-02	2.64E-02	7.69E-03	7.48E-03	1.52E-02	7.51E-03	7.30E-03	1.48E-02	7.41E-03	7.20E-03	1.46E-02
2839 490269.73, 3859255.34	0.17618	0.16885	2.68E-02	2.67E-02	2.52E-02	2.58E-02	2.44E-02	7.09E-03	6.80E-03	1.39E-02	6.92E-03	6.63E-03	1.35E-02	6.83E-03	6.54E-03	1.34E-02
2840 490319.73, 3859255.34	0.1631	0.15784	2.48E-02	2.50E-02	2.33E-02	2.39E-02	2.26E-02	6.56E-03	6.35E-03	1.29E-02	6.40E-03	6.20E-03	1.26E-02	6.32E-03	6.12E-03	1.24E-02
2841 490069.73, 3859305.34	0.25519	0.24443	3.88E-02	3.87E-02	3.65E-02	3.74E-02	3.53E-02	1.03E-02	9.84E-03	2.01E-02	1.00E-02	9.60E-03	1.96E-02	9.89E-03	9.47E-03	1.94E-02
2842 490119.73, 3859305.34	0.23944	0.22882	3.64E-02	3.62E-02	3.43E-02	3.51E-02	3.31E-02	9.64E-03	9.21E-03	1.88E-02	9.40E-03	8.99E-03	1.84E-02	9.28E-03	8.87E-03	1.81E-02
2843 490169.73, 3859305.34	0.22528	0.21547	3.42E-02	3.41E-02	3.23E-02	3.30E-02	3.12E-02	9.07E-03	8.67E-03	1.77E-02	8.85E-03	8.46E-03	1.73E-02	8.73E-03	8.35E-03	1.71E-02
2844 490219.73, 3859305.34	0.21234	0.20408	3.23E-02	3.23E-02	3.04E-02	3.11E-02	2.94E-02	8.55E-03	8.21E-03	1.68E-02	8.34E-03	8.01E-03	1.64E-02	8.23E-03	7.91E-03	1.61E-02
2845 490269.73, 3859305.34	0.1966	0.18712	2.99E-02	2.96E-02	2.81E-02	2.88E-02	2.72E-02	7.91E-03	7.53E-03	1.54E-02	7.72E-03	7.35E-03	1.51E-02	7.62E-03	7.25E-03	1.49E-02
2846 490319.73, 3859305.34	0.18123	0.17251	2.75E-02	2.73E-02	2.59E-02	2.66E-02	2.51E-02	7.29E-03	6.94E-03	1.42E-02	7.12E-03	6.77E-03	1.39E-02	7.02E-03	6.68E-03	1.37E-02
2847 490069.73, 3859355.34	0.28832	0.28114	4.38E-02	4.45E-02	4.13E-02	4.23E-02	3.99E-02	1.16E-02	1.13E-02	2.29E-02	1.13E-02	1.10E-02	2.24E-02	1.12E-02	1.09E-02	2.21E-02
2848 490119.73, 3859355.34	0.27122	0.26368	4.12E-02	4.17E-02	3.88E-02	3.98E-02	3.75E-02	1.09E-02	1.06E-02	2.15E-02	1.07E-02	1.04E-02	2.10E-02	1.05E-02	1.02E-02	2.07E-02
2849 490169.73, 3859355.34	0.25248	0.24634	3.84E-02	3.90E-02	3.61E-02	3.70E-02	3.49E-02	1.02E-02	9.91E-03	2.01E-02	9.91E-03	9.67E-03	1.96E-02	9.78E-03	9.55E-03	1.93E-02
2850 490219.73, 3859355.34	0.23483	0.22417	3.57E-02	3.55E-02	3.36E-02	3.44E-02	3.25E-02	9.45E-03	9.02E-03	1.85E-02	9.22E-03	8.80E-03	1.80E-02	9.10E-03	8.69E-03	1.78E-02
2851 490269.73, 3859355.34	0.22042	0.21126	3.35E-02	3.34E-02	3.16E-02	3.23E-02	3.05E-02	8.87E-03	8.50E-03	1.74E-02	8.66E-03	8.30E-03	1.70E-02	8.54E-03	8.19E-03	1.67E-02
2852 490319.73, 3859355.34	0.20164	0.19423	3.06E-02	3.08E-02	2.89E-02	2.96E-02	2.79E-02	8.11E-03	7.82E-03	1.59E-02	7.92E-03	7.63E-03	1.55E-02	7.81E-03	7.53E-03	1.53E-02
2853 490069.73, 3859405.34	0.33363	0.32651	5.07E-02	5.17E-02	4.78E-02	4.89E-02	4.61E-02	1.34E-02	1.31E-02	2.66E-02	1.31E-02	1.28E-02	2.59E-02	1.29E-02	1.27E-02	2.56E-02
2854 490119.73, 3859405.34	0.30803	0.30289	4.68E-02	4.80E-02	4.41E-02	4.52E-02	4.26E-02	1.24E-02	1.22E-02	2.46E-02	1.21E-02	1.19E-02	2.40E-02	1.19E-02	1.17E-02	2.37E-02
2855 490169.73, 3859405.34	0.28783	0.28222	4.37E-02	4.47E-02	4.12E-02	4.22E-02	3.98E-02	1.16E-02	1.14E-02	2.29E-02	1.13E-02	1.11E-02	2.24E-02	1.12E-02	1.09E-02	2.21E-02
2856 490219.73, 3859405.34	0.26967	0.26241	4.10E-02	4.15E-02	3.86E-02	3.95E-02	3.73E-02	1.09E-02	1.06E-02	2.14E-02	1.06E-02	1.03E-02	2.09E-02	1.04E-02	1.02E-02	2.06E-02
2857 490269.73, 3859405.34	0.24689	0.23607	3.75E-02	3.74E-02	3.53E-02	3.62E-02	3.41E-02	9.94E-03	9.50E-03	1.94E-02	9.70E-03	9.27E-03	1.90E-02	9.57E-03	9.15E-03	1.87E-02
2858 490319.73, 3859405.34	0.22699	0.21956	3.45E-02	3.48E-02	3.25E-02	3.33E-02	3.14E-02	9.13E-03	8.84E-03	1.80E-02	8.91E-03	8.62E-03	1.75E-02	8.80E-03	8.51E-03	1.73E-02
2859 490161.89, 3859541.83	0.48107	0.48	7.31E-02	7.60E-02	6.89E-02	7.05E-02	6.65E-02	1.94E-02	1.93E-02	3.87E-02	1.89E-02	1.88E-02	3.77E-02	1.86E-02	1.86E-02	3.72E-02
2860 490171.89, 3859541.83	0.47229	0.47089	7.18E-02	7.46E-02	6.76E-02	6.93E-02	6.53E-02	1.90E-02	1.90E-02	3.80E-02	1.85E-02	1.85E-02	3.70E-02	1.83E-02	1.82E-02	3.65E-02
2861 490161.89, 3859551.83	0.51301	0.51067	7.80E-02	8.09E-02	7.34E-02	7.52E-02	7.10E-02	2.06E-02	2.06E-02	4.12E-02	2.01E-02	2.01E-02	4.02E-02	1.99E-02	1.98E-02	3.97E-02
2862 490171.89, 3859551.83	0.50142	0.49976	7.62E-02	7.91E-02	7.18E-02	7.35E-02	6.93E-02	2.02E-02	2.01E-02	4.03E-02	1.97E-02	1.96E-02	3.93E-02	1.94E-02	1.94E-02	3.88E-02
2863 489799.72, 3859348.21	0.46725	0.46845	7.10E-02	7.42E-02	6.69E-02	6.85E-02	6.46E-02	1.88E-02	1.89E-02	3.77E-02	1.83E-02	1.84E-02	3.67E-02	1.81E-02	1.82E-02	3.63E-02
2864 489819.72, 3859348.21	0.44421	0.44401	6.75E-02	7.03E-02	6.36E-02	6.51E-02	6.14E-02	1.79E-02	1.79E-02	3.57E-02	1.74E-02	1.74E-02	3.49E-02	1.72E-02	1.72E-02	3.44E-02
2865 489799.72, 3859368.21	0.51983	0.52502	7.90E-02	8.31E-02	7.44E-02	7.62E-02	7.19E-02	2.09E-02	2.11E-02	4.20E-02	2.04E-02	2.06E-02	4.10E-02	2.01E-02	2.03E-02	4.05E-02
2866 489819.72, 3859368.21	0.48834	0.4929	7.42E-02	7.80E-02	6.99E-02	7.16E-02	6.75E-02	1.97E-02	1.98E-02	3.95E-02	1.92E-02	1.94E-02	3.85E-02	1.89E-02	1.91E-02	3.80E-02
2867 489775.41, 3859329.72	0.4566	0.45723	6.94E-02	7.24E-02	6.54E-02	6.70E-02	6.32E-02	1.84E-02	1.84E-02	3.68E-02	1.79E-02	1.80E-02	3.59E-02	1.77E-02	1.77E-02	3.54E-02
2868 489795.41, 3859329.72	0.43345	0.43081	6.59E-02	6.82E-02	6.21E-02	6.36E-02	5.99E-02	1.74E-02	1.73E-02	3.48E-02	1.70E-02	1.69E-02	3.39E-02	1.68E-02	1.67E-02	3.35E-02
2869 489775.41, 3859349.72	0.50642	0.50961	7.70E-02	8.07E-02	7.25E-02	7.43E-02	7.00E-02	2.04E-02	2.05E-02	4.09E-02	1.99E-02	2.00E-02	3.99E-02	1.96E-02	1.97E-02	3.94E-02
2870 489795.41, 3859349.72	0.47589	0.47871	7.23E-02	7.58E-02	6.81E-02	6.98E-02	6.58E-02	1.92E-02	1.93E-02	3.84E-02	1.87E-02	1.88E-02	3.75E-02	1.84E-02	1.85E-02	3.70E-02
2871 489595.05, 3859219.43	0.43439	0.43004	6.60E-02	6.81E-02	6.22E-02	6.37E-02	6.01E-02	1.75E-02	1.73E-02	3.48E-02	1.71E-02	1.69E-02	3.39E-02	1.68E-02	1.67E-02	3.35E-02
2872 489615.05, 3859219.43	0.41332	0.41035	6.28E-02	6.50E-02	5.92E-02	6.06E-02	5.72E-02	1.66E-02	1.65E-02	3.31E-02	1.62E-02	1.61E-02	3.23E-02	1.60E-02	1.59E-02	3.19E-02
2873 489595.05, 3859239.43	0.47637	0.47448	7.24E-02	7.51E-02	6.82E-02	6.98E-02	6.59E-02	1.92E-02	1.91E-02	3.83E-02	1.87E-02	1.86E-02	3.73E-02	1.85E-02	1.84E-02	3.68E-02
2874 489615.05, 3859239.43	0.45293	0.44662	6.88E-02	7.07E-02	6.48E-02	6.64E-02	6.26E-02	1.82E-02	1.80E-02	3.62E-02	1.78E-02	1.75E-02	3.53E-02	1.76E-02	1.73E-02	3.49E-02
2875 489372.4, 3859092.58	0.42539	0.42501	6.46E-02	6.73E-02	6.09E-02	6.24E-02	5.88E-02	1.71E-02	1.71E-02	3.42E-02	1.67E-02	1.67E-02	3.34E-02	1.65E-02	1.65E-02	3.30E-02
2876 489422.4, 3859092.58	0.38176	0.37083	5.80E-02	5.87E-02	5.47E-02	5.60E-02	5.28E-02	1.54E-02	1.49E-02	3.03E-02	1.50E-02	1.46E-02	2.96E-02	1.48E-02	1.44E-02	2.92E-02
2877 489372.4, 3859142.58	0.55546	0.57893	8.44E-02	9.17E-02	7.95E-02	8.14E-02	7.68E-02	2.24E-02	2.33E-02	4.57E-02	2.18E-02	2.27E-02	4.45E-02	2.15E-02	2.24E-02	4.40E-02
2878 489422.4, 3859142.58	0.47144	0.47483	7.16E-02	7.52E-02	6.75E-02	6.91E-02	6.52E-02	1.90E-02	1.91E-02	3.81E-02	1.85E-02	1.86E-02	3.72E-02	1.83E-02	1.84E-02	3.67E-02
2879 488870.84, 3858666.64	0.26372	0.29431	4.01E-02	4.66E-02	3.78E-02	3.87E-02	3.65E-02	1.06E-02	1.18E-02	2.25E-02	1.04E-02	1.16E-02	2.19E-02	1.02E-02	1.14E-02	2.16E-02
2880 488900.84, 3858666.64	0.25439	0.2755	3.87E-02	4.36E-02	3.64E-02	3.73E-02	3.52E-02	1.02E-02	1.11E-02	2.13E-02	9.99E-03	1.08E-02	2.08E-02	9.86E-03	1.07E-02	2.05E-02
2881 488870.84, 3858696.64	0.2866	0.31985	4.35E-02	5.06E-02	4.10E-02	4.20E-02	3.96E-02	1.15E-02	1.29E-02	2.44E-02	1.13E-02	1.26E-02	2.38E-02	1.11E-02	1.24E-02	2.35E-02
2882 488900.84, 3858696.64	0.27314	0.29916	4.15E-02	4.74E-02	3.91E-02	4.00E-02	3.78E-02	1.10E-02	1.20E-02	2.30E-02	1.07E-02	1.17E-02	2.25E-02	1.06E-02	1.16E-02	2.22E-02
2883 488889.67, 3858683.97	0.26767	0.29582	4.07E-02	4.68E-02	3.83E-02	3.92E-02	3.70E-02	1.08E-02	1.19E-02	2.27E-02	1.05E-02	1.16E-02	2.21E-02	1.04E-02	1.15E-02	2.18E-02
2884 488919.67, 3858683.97	0.25832	0.27728	3.93E-02	4.39E-02	3.70E-02	3.79E-02	3.57E-02	1.04E-02	1.12E-02	2.16E-02	1.01E-02	1.09E-02	2.10E-02	1.00E-02	1.07E-02	2.08E-02
2885 488889.67, 3858713.97	0.29329	0.32235	4.46E-02	5.10E-02	4.20E-02	4.30E-02	4.06E-02	1.18E-02	1.30E-02	2.48E-02	1.15E-02	1.27E-02	2.42E-02	1.14E-02	1.25E-02	2.39E-02
2886 488919.67, 3858713.97	0.27948	0.30149	4.25E-02	4.77E-02	4.00E-02	4.10E-02	3.87E-02	1.12E-02	1.21E-02	2.34E-02	1.10E-02	1.18E-02	2.28E-02	1.08E-02	1.17E-02	2.25E-02
2887 488906.61, 3858703.33	0.27617	0.30103	4.20E-02	4.77E-02	3.95E-02	4.05E-02	3.82E-02	1.11E-02	1.21E-02	2.32E-02	1.08E-02	1.18E-02	2.27E-02	1.07E-02	1.17E-02	2.24E-02
2888 488936.61, 3858703.33	0.26379	0.28173	4.01E-02	4.46E-02	3.78E-02	3.87E-02	3.65E-02	1.06E-02	1.13E-02	2.20E-02	1.04E-02	1.11E-02	2.14E-02	1.02E-02	1.09E-02	2.11E-02
2889 488906.61, 3858733.33	0.30053	0.32984	4.57E-02	5.22E-02	4.30E-02	4.41E-02	4.16E-02	1.21E-02	1.33E-02	2.54E-02	1.18E-02	1.30E-02	2.48E-02	1.16E-02	1.28E-02	2.44E-02
2890 488936.61, 3858733.33	0.2883	0.30732	4.38E-02	4.87E-02	4.13E-02	4.23E-02	3.99E-02	1.16E-02	1.24E-02	2.40E-02	1.13E-02	1.21E-02	2.34E-02	1.12E-02	1.19E-02	2.31E-02
2891 488637.63, 3858467.85	0.22867	0.30332	3.47E-02	4.80E-02	3.27E-02	3.35E-02	3.16E-02	9.20E-03	1.22E-02	2.14E-02	8.98E-03	1.19E-02	2.09E-02	8.86E-03	1.18E-02	2.06E-02
2892 488662.63, 3858467.85	0.22328	0.28451	3.39E-02	4.50E-02	3.20E-02	3.27E-02	3.09E-02	8.99E-03	1.14E-02	2.04E-02	8.77E-03	1.12E-02	1.99E-02	8.65E-03	1.10E-02	1.97E-02
2893 488637.63, 3858492.85	0.24045	0.32504	3.65E-02	5.15E-02	3.44E-02	3.53E-02	3.33E-02	9.68E-03	1.31E-02	2.28E-02	9.44E-03	1.28E-02	2.22E-02	9.32E-03	1.26E-02	2.19E-02
2894 488662.63, 3858492.85	0.23408	0.30525	3.56E-02	4.83E-02	3.35E-02	3.43E-02	3.24E-02	9.42E-03	1.23E-02	2.17E-02	9.19E-03	1.20E-02	2.12E-02	9.07E-03	1.18E-02	2.09E-02
2895 488687.63, 3858492.85	0.2277	0.28597	3.46E-02	4.53E-02	3.26E-02	3.34E-02	3.15E-02	9.16E-03	1.15E-02	2.07E-02	8.94E-03	1.12E-02	2.02E-02	8.82E-03	1.11E-02	1.99E-02
2896 488637.63, 3858517.85	0.25399	0.35072	3.86E-02	5.55E-02	3.64E-02	3.72E-02	3.51E-02	1.02E-02	1.41E-02	2.43E-02	9.97E-03	1.38E-02	2.37E-02	9.84E-03	1.36E-02	2.34E-02
2897 488662.63, 3858517.85	0.24651	0.3274	3.75E-02	5.18E-02	3.53E-02	3.61E-02	3.41E-02	9.92E-03	1.32E-02	2.31E-02	9.68E-03	1.29E-02	2.25E-02	9.55E-03	1.27E-02	2.22E-02
2898 488687.63, 3858517.85	0.23973	0.3072	3.64E-02	4.86E-02	3.43E-02	3.52E-02	3.32E-02	9.65E-03	1.24E-02	2.20E-02	9.41E-03	1.21E-02	2.15E-02	9.29E-03	1.19E-02	2.12E-02
2899 488194.42, 3857168.98	0.07399	0.11158	1.12E-02	1.77E-02	1.06E-02	1.08E-02	1.02E-02	2.98E-03	4.49E-03	7.47E-03	2.91E-03	4.38E-03	7.29E-03	2.87E-03	4.32E-03	7.19E-03
2900 488244.42, 3857168.98	0.07433	0.10809	1.13E-02	1.71E-02	1.06E-02	1.09E-02	1.03E-02	2.99E-03	4.35E-03	7.34E-03	2.92E-03	4.24E-03	7.16E-03	2.88E-03	4.19E-03	7.07E-03

2901 488294.42, 3857168.98	0.07447	0.10512	1.13E-02	1.66E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	4.23E-03	7.23E-03	2.92E-03	4.13E-03	7.05E-03	2.89E-03	4.07E-03	6.96E-03
2902 488244.42, 3857218.98	0.07613	0.11148	1.16E-02	1.77E-02	1.09E-02	1.12E-02	1.05E-02	3.06E-03	4.49E-03	7.55E-03	2.99E-03	4.38E-03	7.37E-03	2.95E-03	4.32E-03	7.27E-03
2903 488294.42, 3857218.98	0.07638	0.10819	1.16E-02	1.71E-02	1.09E-02	1.12E-02	1.06E-02	3.07E-03	4.35E-03	7.43E-03	3.00E-03	4.25E-03	7.25E-03	2.96E-03	4.19E-03	7.15E-03
2904 488294.42, 3857268.98	0.07851	0.11137	1.19E-02	1.76E-02	1.12E-02	1.15E-02	1.09E-02	3.16E-03	4.48E-03	7.64E-03	3.08E-03	4.37E-03	7.46E-03	3.04E-03	4.32E-03	7.36E-03
2905 488139.13, 3857111.68	0.07163	0.11137	1.09E-02	1.76E-02	1.03E-02	1.05E-02	9.91E-03	2.88E-03	4.48E-03	7.36E-03	2.81E-03	4.37E-03	7.19E-03	2.78E-03	4.32E-03	7.09E-03
2906 488189.13, 3857111.68	0.07207	0.10779	1.10E-02	1.71E-02	1.03E-02	1.06E-02	9.97E-03	2.90E-03	4.34E-03	7.24E-03	2.83E-03	4.23E-03	7.06E-03	2.79E-03	4.18E-03	6.97E-03
2907 488189.13, 3857161.68	0.07374	0.1114	1.12E-02	1.76E-02	1.06E-02	1.08E-02	1.02E-02	2.97E-03	4.48E-03	7.45E-03	2.90E-03	4.37E-03	7.27E-03	2.86E-03	4.32E-03	7.17E-03
2908 487951.04, 3856961.26	0.06819	0.11353	1.04E-02	1.80E-02	9.76E-03	1.00E-02	9.43E-03	2.74E-03	4.57E-03	7.31E-03	2.68E-03	4.46E-03	7.14E-03	2.64E-03	4.40E-03	7.04E-03
2909 488001.04, 3856961.26	0.0681	0.1104	1.03E-02	1.75E-02	9.75E-03	9.99E-03	9.42E-03	2.74E-03	4.44E-03	7.18E-03	2.67E-03	4.34E-03	7.01E-03	2.64E-03	4.28E-03	6.92E-03
2910 488051.04, 3856961.26	0.06777	0.10772	1.03E-02	1.71E-02	9.70E-03	9.94E-03	9.37E-03	2.73E-03	4.33E-03	7.06E-03	2.66E-03	4.23E-03	6.89E-03	2.63E-03	4.17E-03	6.80E-03
2911 488101.04, 3856961.26	0.06879	0.10453	1.05E-02	1.66E-02	9.85E-03	1.01E-02	9.51E-03	2.77E-03	4.21E-03	6.97E-03	2.70E-03	4.10E-03	6.81E-03	2.67E-03	4.05E-03	6.72E-03
2912 487951.04, 3857011.26	0.06949	0.11655	1.06E-02	1.85E-02	9.95E-03	1.02E-02	9.61E-03	2.80E-03	4.69E-03	7.49E-03	2.73E-03	4.58E-03	7.31E-03	2.69E-03	4.52E-03	7.21E-03
2913 488001.04, 3857011.26	0.06892	0.11367	1.05E-02	1.80E-02	9.87E-03	1.01E-02	9.53E-03	2.77E-03	4.57E-03	7.35E-03	2.71E-03	4.46E-03	7.17E-03	2.67E-03	4.40E-03	7.08E-03
2914 488051.04, 3857011.26	0.0685	0.11081	1.04E-02	1.75E-02	9.81E-03	1.00E-02	9.47E-03	2.76E-03	4.46E-03	7.22E-03	2.69E-03	4.35E-03	7.04E-03	2.65E-03	4.29E-03	6.95E-03
2915 488101.04, 3857011.26	0.06927	0.10735	1.05E-02	1.70E-02	9.92E-03	1.02E-02	9.58E-03	2.79E-03	4.32E-03	7.11E-03	2.72E-03	4.22E-03	6.94E-03	2.68E-03	4.16E-03	6.84E-03
2916 488001.04, 3857061.26	0.07028	0.11674	1.07E-02	1.85E-02	1.01E-02	1.03E-02	9.72E-03	2.83E-03	4.70E-03	7.53E-03	2.76E-03	4.58E-03	7.34E-03	2.72E-03	4.52E-03	7.25E-03
2917 488051.04, 3857061.26	0.07017	0.11357	1.07E-02	1.80E-02	1.00E-02	1.03E-02	9.71E-03	2.82E-03	4.57E-03	7.39E-03	2.76E-03	4.46E-03	7.22E-03	2.72E-03	4.40E-03	7.12E-03
2918 488101.04, 3857061.26	0.07015	0.11027	1.07E-02	1.75E-02	1.00E-02	1.03E-02	9.70E-03	2.82E-03	4.44E-03	7.26E-03	2.75E-03	4.33E-03	7.09E-03	2.72E-03	4.27E-03	6.99E-03
2919 487638.98, 3856673.79	0.06045	0.11455	9.19E-03	1.81E-02	8.65E-03	8.86E-03	8.36E-03	2.43E-03	4.61E-03	7.04E-03	2.37E-03	4.50E-03	6.87E-03	2.34E-03	4.44E-03	6.78E-03
2920 487688.98, 3856673.79	0.06016	0.11084	9.14E-03	1.75E-02	8.61E-03	8.82E-03	8.32E-03	2.42E-03	4.46E-03	6.88E-03	2.36E-03	4.35E-03	6.72E-03	2.33E-03	4.29E-03	6.63E-03
2921 487638.98, 3856723.79	0.06195	0.11832	9.41E-03	1.87E-02	8.87E-03	9.08E-03	8.57E-03	2.49E-03	4.76E-03	7.25E-03	2.43E-03	4.65E-03	7.08E-03	2.40E-03	4.58E-03	6.99E-03
2922 487688.98, 3856723.79	0.06196	0.11435	9.41E-03	1.81E-02	8.87E-03	9.09E-03	8.57E-03	2.49E-03	4.60E-03	7.10E-03	2.43E-03	4.49E-03	6.92E-03	2.40E-03	4.43E-03	6.83E-03
2923 486324.61, 3855740.57	0.04494	0.11759	6.83E-03	1.86E-02	6.43E-03	6.59E-03	6.22E-03	1.81E-03	4.73E-03	6.54E-03	1.76E-03	4.62E-03	6.38E-03	1.74E-03	4.56E-03	6.30E-03
2924 486374.61, 3855740.57	0.04292	0.10692	6.52E-03	1.69E-02	6.14E-03	6.29E-03	5.94E-03	1.73E-03	4.30E-03	6.03E-03	1.69E-03	4.20E-03	5.88E-03	1.66E-03	4.14E-03	5.81E-03
2925 486424.61, 3855740.57	0.04218	0.10282	6.41E-03	1.63E-02	6.04E-03	6.18E-03	5.83E-03	1.70E-03	4.14E-03	5.84E-03	1.66E-03	4.04E-03	5.69E-03	1.63E-03	3.98E-03	5.62E-03
2926 486324.61, 3855790.57	0.0457	0.11944	6.94E-03	1.89E-02	6.54E-03	6.70E-03	6.32E-03	1.84E-03	4.81E-03	6.65E-03	1.79E-03	4.69E-03	6.49E-03	1.77E-03	4.63E-03	6.40E-03
2927 486374.61, 3855790.57	0.04379	0.11029	6.65E-03	1.75E-02	6.27E-03	6.42E-03	6.06E-03	1.76E-03	4.44E-03	6.20E-03	1.72E-03	4.33E-03	6.05E-03	1.70E-03	4.27E-03	5.97E-03
2928 486424.61, 3855790.57	0.04347	0.10804	6.61E-03	1.71E-02	6.22E-03	6.37E-03	6.01E-03	1.75E-03	4.35E-03	6.10E-03	1.71E-03	4.24E-03	5.95E-03	1.68E-03	4.19E-03	5.87E-03
2929 486324.61, 3855840.57	0.04628	0.12268	7.03E-03	1.94E-02	6.63E-03	6.79E-03	6.40E-03	1.86E-03	4.94E-03	6.80E-03	1.82E-03	4.82E-03	6.64E-03	1.79E-03	4.75E-03	6.55E-03
2930 486374.61, 3855840.57	0.0457	0.11883	6.94E-03	1.88E-02	6.54E-03	6.70E-03	6.32E-03	1.84E-03	4.78E-03	6.62E-03	1.79E-03	4.67E-03	6.46E-03	1.77E-03	4.60E-03	6.38E-03
2931 486424.61, 3855840.57	0.04449	0.11392	6.76E-03	1.80E-02	6.37E-03	6.52E-03	6.15E-03	1.79E-03	4.58E-03	6.37E-03	1.75E-03	4.47E-03	6.22E-03	1.72E-03	4.41E-03	6.14E-03
2932 486324.61, 3855890.57	0.04828	0.1358	7.34E-03	2.15E-02	6.91E-03	7.08E-03	6.68E-03	1.94E-03	5.47E-03	7.41E-03	1.90E-03	5.33E-03	7.23E-03	1.87E-03	5.26E-03	7.13E-03
2933 486374.61, 3855890.57	0.0474	0.12917	7.20E-03	2.05E-02	6.79E-03	6.95E-03	6.56E-03	1.91E-03	5.20E-03	7.11E-03	1.86E-03	5.07E-03	6.93E-03	1.84E-03	5.01E-03	6.84E-03
2934 486424.61, 3855890.57	0.04632	0.12246	7.04E-03	1.94E-02	6.63E-03	6.79E-03	6.41E-03	1.86E-03	4.93E-03	6.79E-03	1.82E-03	4.81E-03	6.63E-03	1.79E-03	4.75E-03	6.54E-03
2935 488735.69, 3858285.64	0.15857	0.18775	2.41E-02	2.97E-02	2.27E-02	2.33E-02	2.19E-02	6.38E-03	7.56E-03	1.39E-02	6.23E-03	7.37E-03	1.36E-02	6.14E-03	7.28E-03	1.34E-02
2936 488765.69, 3858285.64	0.15558	0.18208	2.36E-02	2.88E-02	2.23E-02	2.28E-02	2.15E-02	6.26E-03	7.33E-03	1.36E-02	6.11E-03	7.15E-03	1.33E-02	6.03E-03	7.06E-03	1.31E-02
2937 488735.69, 3858315.64	0.16374	0.19492	2.49E-02	3.09E-02	2.34E-02	2.40E-02	2.26E-02	6.59E-03	7.84E-03	1.44E-02	6.43E-03	7.65E-03	1.41E-02	6.34E-03	7.55E-03	1.39E-02
2938 488765.69, 3858315.64	0.16019	0.18822	2.43E-02	2.98E-02	2.29E-02	2.35E-02	2.22E-02	6.45E-03	7.57E-03	1.40E-02	6.29E-03	7.39E-03	1.37E-02	6.21E-03	7.29E-03	1.35E-02
2939 478676.63, 3849871.93	0.1906	0.193	2.90E-02	3.06E-02	2.73E-02	2.79E-02	2.64E-02	7.67E-03	7.77E-03	1.54E-02	7.48E-03	7.58E-03	1.51E-02	7.39E-03	7.48E-03	1.49E-02
2940 479326.63, 3849871.93	0.12146	0.12268	1.85E-02	1.94E-02	1.74E-02	1.78E-02	1.68E-02	4.89E-03	4.94E-03	9.82E-03	4.77E-03	4.82E-03	9.59E-03	4.71E-03	4.75E-03	9.46E-03
2941 479376.63, 3849871.93	0.11798	0.1182	1.79E-02	1.87E-02	1.69E-02	1.73E-02	1.63E-02	4.75E-03	4.76E-03	9.50E-03	4.63E-03	4.64E-03	9.27E-03	4.57E-03	4.58E-03	9.15E-03
2942 479426.63, 3849871.93	0.11628	0.11644	1.77E-02	1.84E-02	1.66E-02	1.70E-02	1.61E-02	4.68E-03	4.69E-03	9.37E-03	4.57E-03	4.57E-03	9.14E-03	4.51E-03	4.51E-03	9.02E-03
2943 478726.63, 3849921.93	0.19504	0.19884	2.96E-02	3.15E-02	2.79E-02	2.86E-02	2.70E-02	7.85E-03	8.00E-03	1.59E-02	7.66E-03	7.81E-03	1.55E-02	7.56E-03	7.70E-03	1.53E-02
2944 478776.63, 3849921.93	0.18901	0.19264	2.87E-02	3.05E-02	2.71E-02	2.77E-02	2.61E-02	7.61E-03	7.75E-03	1.54E-02	7.42E-03	7.56E-03	1.50E-02	7.32E-03	7.46E-03	1.48E-02
2945 478826.63, 3849921.93	0.18325	0.18517	2.78E-02	2.93E-02	2.62E-02	2.69E-02	2.53E-02	7.37E-03	7.45E-03	1.48E-02	7.20E-03	7.27E-03	1.45E-02	7.10E-03	7.18E-03	1.43E-02
2946 478976.63, 3849921.93	0.16648	0.1675	2.53E-02	2.65E-02	2.38E-02	2.44E-02	2.30E-02	6.70E-03	6.74E-03	1.34E-02	6.54E-03	6.58E-03	1.31E-02	6.45E-03	6.49E-03	1.29E-02
2947 479026.63, 3849921.93	0.16243	0.16334	2.47E-02	2.59E-02	2.33E-02	2.38E-02	2.25E-02	6.54E-03	6.57E-03	1.31E-02	6.38E-03	6.41E-03	1.28E-02	6.29E-03	6.33E-03	1.26E-02
2948 479076.63, 3849921.93	0.15802	0.15829	2.40E-02	2.51E-02	2.26E-02	2.32E-02	2.19E-02	6.36E-03	6.37E-03	1.27E-02	6.21E-03	6.22E-03	1.24E-02	6.12E-03	6.13E-03	1.23E-02
2949 479126.63, 3849921.93	0.15323	0.15353	2.33E-02	2.43E-02	2.19E-02	2.25E-02	2.12E-02	6.17E-03	6.18E-03	1.23E-02	6.02E-03	6.03E-03	1.20E-02	5.94E-03	5.95E-03	1.19E-02
2950 479176.63, 3849921.93	0.14806	0.14868	2.25E-02	2.35E-02	2.12E-02	2.17E-02	2.05E-02	5.96E-03	5.98E-03	1.19E-02	5.81E-03	5.84E-03	1.17E-02	5.74E-03	5.76E-03	1.15E-02
2951 479226.63, 3849921.93	0.14265	0.14211	2.17E-02	2.25E-02	2.04E-02	2.09E-02	1.97E-02	5.74E-03	5.72E-03	1.15E-02	5.60E-03	5.58E-03	1.12E-02	5.53E-03	5.51E-03	1.10E-02
2952 479276.63, 3849921.93	0.13387	0.13433	2.03E-02	2.13E-02	1.92E-02	1.96E-02	1.85E-02	5.39E-03	5.41E-03	1.08E-02	5.26E-03	5.28E-03	1.05E-02	5.19E-03	5.21E-03	1.04E-02
2953 479326.63, 3849921.93	0.13513	0.13383	2.05E-02	2.12E-02	1.93E-02	1.98E-02	1.87E-02	5.44E-03	5.39E-03	1.08E-02	5.31E-03	5.26E-03	1.06E-02	5.24E-03	5.19E-03	1.04E-02
2954 479376.63, 3849921.93	0.12693	0.12775	1.93E-02	2.02E-02	1.82E-02	1.86E-02	1.76E-02	5.11E-03	5.14E-03	1.02E-02	4.98E-03	5.02E-03	1.00E-02	4.92E-03	4.95E-03	9.87E-03
2955 479426.63, 3849921.93	0.12676	0.12641	1.93E-02	2.00E-02	1.81E-02	1.86E-02	1.75E-02	5.10E-03	5.09E-03	1.02E-02	4.98E-03	4.96E-03	9.94E-03	4.91E-03	4.90E-03	9.81E-03
2956 478726.63, 3849971.93	0.20642	0.20937	3.14E-02	3.31E-02	2.96E-02	3.03E-02	2.85E-02	8.31E-03	8.43E-03	1.67E-02	8.11E-03	8.22E-03	1.63E-02	8.00E-03	8.11E-03	1.61E-02
2957 478776.63, 3849971.93	0.1993	0.20371	3.03E-02	3.23E-02	2.85E-02	2.92E-02	2.76E-02	8.02E-03	8.20E-03	1.62E-02	7.83E-03	8.00E-03	1.58E-02	7.72E-03	7.89E-03	1.56E-02
2958 478826.63, 3849971.93	0.19255	0.1956	2.93E-02	3.10E-02	2.76E-02	2.82E-02	2.66E-02	7.75E-03	7.87E-03	1.56E-02	7.56E-03	7.68E-03	1.52E-02	7.46E-03	7.58E-03	1.50E-02
2959 478976.63, 3849971.93	0.17694	0.17765	2.69E-02	2.81E-02	2.53E-02	2.59E-02	2.45E-02	7.12E-03	7.15E-03	1.43E-02	6.95E-03	6.98E-03	1.39E-02	6.86E-03	6.88E-03	1.37E-02
2960 479026.63, 3849971.93	0.17042	0.17193	2.59E-02	2.72E-02	2.44E-02	2.50E-02	2.36E-02	6.86E-03	6.92E-03	1.38E-02	6.69E-03	6.75E-03	1.34E-02	6.60E-03	6.66E-03	1.33E-02
2961 479076.63, 3849971.93	0.16636	0.16703	2.53E-02	2.64E-02	2.38E-02	2.44E-02	2.30E-02	6.69E-03	6.72E-03	1.34E-02	6.53E-03	6.56E-03	1.31E-02	6.45E-03	6.47E-03	1.29E-02
2962 479126.63, 3849971.93	0.16142	0.16208	2.45E-02	2.57E-02	2.31E-02	2.37E-02	2.23E-02	6.50E-03	6.52E-03	1.30E-02	6.34E-03	6.36E-03	1.27E-02	6.25E-03	6.28E-03	1.25E-02
2963 479176.63, 3849971.93	0.15682	0.1577	2.38E-02	2.50E-02	2.25E-02	2.30E-02	2.17E-02	6.31E-03	6.35E-03	1.27E-02	6.16E-03	6.19E-03	1.24E-02	6.08E-03	6.11E-03	1.22E-02
2964 479226.63, 3849971.93	0.14601	0.14866	2.22E-02	2.35E-02	2.09E-02	2.14E-02	2.02E-02	5.88E-03	5.98E-03	1.19E-02	5.73E-03	5.84E-03	1.16E-02	5.66E-03	5.76E-03	1.14E-02
2965 479276.63, 3849971.93	0.14666	0.14698	2.23E-02	2.33E-02	2.10E-02	2.15E-02	2.03E-02	5.90E-03	5.91E-03	1.18E-02	5.76E-03	5.77E-03	1.15E-02	5.68E-03	5.70E-03	1.14E-02
2966 479326.63, 3849971.93	0.1447	0.14511	2.20E-02	2.30E-02	2.07E-02	2.12E-02	2.00E-02	5.82E-03	5.84E-03	1.17E-02	5.68E-03	5.70E-03	1.14E-02	5.61E-03	5.62E-03	1.12E-02

2967 479376.63, 3849971.93	0.13757	0.13727	2.09E-02	2.17E-02	1.97E-02	2.02E-02	1.90E-02	5.54E-03	5.52E-03	1.11E-02	5.40E-03	5.39E-03	1.08E-02	5.33E-03	5.32E-03	1.06E-02
2968 479426.63, 3849971.93	0.13506	0.13402	2.05E-02	2.12E-02	1.93E-02	1.98E-02	1.87E-02	5.44E-03	5.39E-03	1.08E-02	5.30E-03	5.26E-03	1.06E-02	5.23E-03	5.19E-03	1.04E-02
2969 478726.63, 3850021.93	0.22265	0.2223	3.38E-02	3.52E-02	3.19E-02	3.26E-02	3.08E-02	8.96E-03	8.95E-03	1.79E-02	8.74E-03	8.73E-03	1.75E-02	8.63E-03	8.61E-03	1.72E-02
2970 478776.63, 3850021.93	0.21338	0.21502	3.24E-02	3.40E-02	3.05E-02	3.13E-02	2.95E-02	8.59E-03	8.65E-03	1.72E-02	8.38E-03	8.44E-03	1.68E-02	8.27E-03	8.33E-03	1.66E-02
2971 478826.63, 3850021.93	0.205	0.20762	3.12E-02	3.29E-02	2.93E-02	3.01E-02	2.84E-02	8.25E-03	8.36E-03	1.66E-02	8.05E-03	8.15E-03	1.62E-02	7.94E-03	8.04E-03	1.60E-02
2972 478976.63, 3850021.93	0.18535	0.18719	2.82E-02	2.96E-02	2.65E-02	2.72E-02	2.56E-02	7.46E-03	7.53E-03	1.50E-02	7.28E-03	7.35E-03	1.46E-02	7.18E-03	7.25E-03	1.44E-02
2973 478726.63, 3850071.93	0.24439	0.24643	3.71E-02	3.90E-02	3.50E-02	3.58E-02	3.38E-02	9.84E-03	9.92E-03	1.98E-02	9.60E-03	9.68E-03	1.93E-02	9.47E-03	9.55E-03	1.90E-02
2974 478776.63, 3850071.93	0.23238	0.23134	3.53E-02	3.66E-02	3.33E-02	3.41E-02	3.21E-02	9.35E-03	9.31E-03	1.87E-02	9.13E-03	9.08E-03	1.82E-02	9.00E-03	8.96E-03	1.80E-02
2975 478826.63, 3850071.93	0.22197	0.22121	3.37E-02	3.50E-02	3.18E-02	3.25E-02	3.07E-02	8.93E-03	8.90E-03	1.78E-02	8.72E-03	8.69E-03	1.74E-02	8.60E-03	8.57E-03	1.72E-02
2976 478876.63, 3850071.93	0.2128	0.21358	3.23E-02	3.38E-02	3.05E-02	3.12E-02	2.94E-02	8.56E-03	8.60E-03	1.72E-02	8.36E-03	8.39E-03	1.67E-02	8.25E-03	8.28E-03	1.65E-02
2977 478976.63, 3850071.93	0.19687	0.19804	2.99E-02	3.14E-02	2.82E-02	2.89E-02	2.72E-02	7.92E-03	7.97E-03	1.59E-02	7.73E-03	7.78E-03	1.55E-02	7.63E-03	7.67E-03	1.53E-02
2978 478726.63, 3850121.93	0.27615	0.27561	4.20E-02	4.36E-02	3.95E-02	4.05E-02	3.82E-02	1.11E-02	1.11E-02	2.22E-02	1.08E-02	1.08E-02	2.17E-02	1.07E-02	1.07E-02	2.14E-02
2979 478776.63, 3850121.93	0.25826	0.2589	3.92E-02	4.10E-02	3.70E-02	3.79E-02	3.57E-02	1.04E-02	1.04E-02	2.08E-02	1.01E-02	1.02E-02	2.03E-02	1.00E-02	1.00E-02	2.00E-02
2980 478826.63, 3850121.93	0.24409	0.24518	3.71E-02	3.88E-02	3.49E-02	3.58E-02	3.38E-02	9.82E-03	9.87E-03	1.97E-02	9.59E-03	9.63E-03	1.92E-02	9.46E-03	9.50E-03	1.90E-02
2981 478876.63, 3850121.93	0.2323	0.23076	3.53E-02	3.65E-02	3.33E-02	3.41E-02	3.21E-02	9.35E-03	9.29E-03	1.86E-02	9.12E-03	9.06E-03	1.82E-02	9.00E-03	8.94E-03	1.79E-02
2982 478976.63, 3850121.93	0.2124	0.21123	3.23E-02	3.34E-02	3.04E-02	3.11E-02	2.94E-02	8.55E-03	8.50E-03	1.70E-02	8.34E-03	8.29E-03	1.66E-02	8.23E-03	8.18E-03	1.64E-02
2983 479026.63, 3850121.93	0.2042	0.20485	3.10E-02	3.24E-02	2.92E-02	2.99E-02	2.82E-02	8.22E-03	8.24E-03	1.65E-02	8.02E-03	8.04E-03	1.61E-02	7.91E-03	7.94E-03	1.59E-02
2984 479076.63, 3850121.93	0.19647	0.19804	2.99E-02	3.14E-02	2.81E-02	2.88E-02	2.72E-02	7.91E-03	7.97E-03	1.59E-02	7.72E-03	7.78E-03	1.55E-02	7.61E-03	7.67E-03	1.53E-02
2985 479126.63, 3850121.93	0.19001	0.1922	2.89E-02	3.04E-02	2.72E-02	2.79E-02	2.63E-02	7.65E-03	7.73E-03	1.54E-02	7.46E-03	7.55E-03	1.50E-02	7.36E-03	7.45E-03	1.48E-02
2986 478776.63, 3850171.93	0.29395	0.29242	4.47E-02	4.63E-02	4.21E-02	4.31E-02	4.07E-02	1.18E-02	1.18E-02	2.36E-02	1.15E-02	1.15E-02	2.30E-02	1.14E-02	1.13E-02	2.27E-02
2987 478826.63, 3850171.93	0.27675	0.27603	4.21E-02	4.37E-02	3.96E-02	4.06E-02	3.83E-02	1.11E-02	1.11E-02	2.22E-02	1.09E-02	1.08E-02	2.17E-02	1.07E-02	1.07E-02	2.14E-02
2988 478876.63, 3850171.93	0.26025	0.26147	3.95E-02	4.14E-02	3.73E-02	3.82E-02	3.60E-02	1.05E-02	1.05E-02	2.10E-02	1.02E-02	1.03E-02	2.05E-02	1.01E-02	1.01E-02	2.02E-02
2989 478976.63, 3850171.93	0.23208	0.23092	3.53E-02	3.66E-02	3.32E-02	3.40E-02	3.21E-02	9.34E-03	9.29E-03	1.86E-02	9.11E-03	9.07E-03	1.82E-02	8.99E-03	8.95E-03	1.79E-02
2990 479026.63, 3850171.93	0.22141	0.22068	3.36E-02	3.49E-02	3.17E-02	3.25E-02	3.06E-02	8.91E-03	8.88E-03	1.78E-02	8.69E-03	8.67E-03	1.74E-02	8.58E-03	8.55E-03	1.71E-02
2991 479076.63, 3850171.93	0.21257	0.21242	3.23E-02	3.36E-02	3.04E-02	3.12E-02	2.94E-02	8.55E-03	8.55E-03	1.71E-02	8.35E-03	8.34E-03	1.67E-02	8.24E-03	8.23E-03	1.65E-02
2992 479126.63, 3850171.93	0.20423	0.20618	3.10E-02	3.26E-02	2.92E-02	2.99E-02	2.82E-02	8.22E-03	8.30E-03	1.65E-02	8.02E-03	8.10E-03	1.61E-02	7.91E-03	7.99E-03	1.59E-02
2993 479176.63, 3850171.93	0.1973	0.2	3.00E-02	3.17E-02	2.82E-02	2.89E-02	2.73E-02	7.94E-03	8.05E-03	1.60E-02	7.75E-03	7.85E-03	1.56E-02	7.65E-03	7.75E-03	1.54E-02
2994 479226.63, 3850171.93	0.1938	0.19417	2.94E-02	3.07E-02	2.77E-02	2.84E-02	2.68E-02	7.80E-03	7.81E-03	1.56E-02	7.61E-03	7.63E-03	1.52E-02	7.51E-03	7.52E-03	1.50E-02
2995 479276.63, 3850171.93	0.18791	0.1874	2.86E-02	2.97E-02	2.69E-02	2.76E-02	2.60E-02	7.56E-03	7.54E-03	1.51E-02	7.38E-03	7.36E-03	1.47E-02	7.28E-03	7.26E-03	1.45E-02
2996 479326.63, 3850171.93	0.18235	0.18258	2.77E-02	2.89E-02	2.61E-02	2.67E-02	2.52E-02	7.34E-03	7.35E-03	1.47E-02	7.16E-03	7.17E-03	1.43E-02	7.07E-03	7.07E-03	1.41E-02
2997 479376.63, 3850171.93	0.17599	0.1764	2.67E-02	2.79E-02	2.52E-02	2.58E-02	2.43E-02	7.08E-03	7.10E-03	1.42E-02	6.91E-03	6.93E-03	1.38E-02	6.82E-03	6.84E-03	1.37E-02
2998 478676.63, 3850221.93	0.42243	0.42152	6.42E-02	6.67E-02	6.05E-02	6.19E-02	5.84E-02	1.70E-02	1.70E-02	3.40E-02	1.66E-02	1.66E-02	3.31E-02	1.64E-02	1.63E-02	3.27E-02
2999 478726.63, 3850221.93	0.37729	0.37777	5.73E-02	5.98E-02	5.40E-02	5.53E-02	5.22E-02	1.52E-02	1.52E-02	3.04E-02	1.48E-02	1.48E-02	2.97E-02	1.46E-02	1.46E-02	2.93E-02
3000 478976.63, 3850221.93	0.26081	0.2632	3.96E-02	4.17E-02	3.73E-02	3.82E-02	3.61E-02	1.05E-02	1.06E-02	2.11E-02	1.02E-02	1.03E-02	2.06E-02	1.01E-02	1.02E-02	2.03E-02
3001 479026.63, 3850221.93	0.24507	0.2473	3.72E-02	3.92E-02	3.51E-02	3.59E-02	3.39E-02	9.86E-03	9.95E-03	1.98E-02	9.62E-03	9.71E-03	1.93E-02	9.50E-03	9.58E-03	1.91E-02
3002 479076.63, 3850221.93	0.23211	0.23218	3.53E-02	3.68E-02	3.32E-02	3.40E-02	3.21E-02	9.34E-03	9.34E-03	1.87E-02	9.11E-03	9.12E-03	1.82E-02	8.99E-03	9.00E-03	1.80E-02
3003 479126.63, 3850221.93	0.22189	0.22197	3.37E-02	3.51E-02	3.18E-02	3.25E-02	3.07E-02	8.93E-03	8.93E-03	1.79E-02	8.71E-03	8.72E-03	1.74E-02	8.60E-03	8.60E-03	1.72E-02
3004 479176.63, 3850221.93	0.21202	0.21314	3.22E-02	3.37E-02	3.04E-02	3.11E-02	2.93E-02	8.53E-03	8.58E-03	1.71E-02	8.33E-03	8.37E-03	1.67E-02	8.22E-03	8.26E-03	1.65E-02
3005 479226.63, 3850221.93	0.20464	0.20568	3.11E-02	3.26E-02	2.93E-02	3.00E-02	2.83E-02	8.24E-03	8.28E-03	1.65E-02	8.04E-03	8.08E-03	1.61E-02	7.93E-03	7.97E-03	1.59E-02
3006 479276.63, 3850221.93	0.20017	0.19919	3.04E-02	3.15E-02	2.87E-02	2.94E-02	2.77E-02	8.06E-03	8.02E-03	1.61E-02	7.86E-03	7.82E-03	1.57E-02	7.76E-03	7.72E-03	1.55E-02
3007 479326.63, 3850221.93	0.19494	0.19422	2.96E-02	3.08E-02	2.79E-02	2.86E-02	2.70E-02	7.85E-03	7.82E-03	1.57E-02	7.66E-03	7.63E-03	1.53E-02	7.55E-03	7.53E-03	1.51E-02
3008 479376.63, 3850221.93	0.18852	0.18886	2.86E-02	2.99E-02	2.70E-02	2.76E-02	2.61E-02	7.59E-03	7.60E-03	1.52E-02	7.40E-03	7.42E-03	1.48E-02	7.30E-03	7.32E-03	1.46E-02
3009 478676.63, 3850271.93	0.56916	0.56606	8.65E-02	8.96E-02	8.15E-02	8.35E-02	7.87E-02	2.29E-02	2.28E-02	4.57E-02	2.24E-02	2.22E-02	4.46E-02	2.21E-02	2.19E-02	4.40E-02
3010 478726.63, 3850271.93	0.47718	0.47671	7.25E-02	7.55E-02	6.83E-02	7.00E-02	6.60E-02	1.92E-02	1.92E-02	3.84E-02	1.87E-02	1.87E-02	3.75E-02	1.85E-02	1.85E-02	3.70E-02
3011 478976.63, 3850271.93	0.29511	0.29597	4.48E-02	4.69E-02	4.22E-02	4.33E-02	4.08E-02	1.19E-02	1.19E-02	2.38E-02	1.16E-02	1.16E-02	2.32E-02	1.14E-02	1.15E-02	2.29E-02
3012 479026.63, 3850271.93	0.27621	0.27783	4.20E-02	4.40E-02	3.95E-02	4.05E-02	3.82E-02	1.11E-02	1.12E-02	2.23E-02	1.08E-02	1.09E-02	2.18E-02	1.07E-02	1.08E-02	2.15E-02
3013 479076.63, 3850271.93	0.26063	0.2641	3.96E-02	4.18E-02	3.73E-02	3.82E-02	3.60E-02	1.05E-02	1.06E-02	2.11E-02	1.02E-02	1.04E-02	2.06E-02	1.01E-02	1.02E-02	2.03E-02
3014 479126.63, 3850271.93	0.24673	0.24815	3.75E-02	3.93E-02	3.53E-02	3.62E-02	3.41E-02	9.93E-03	9.99E-03	1.99E-02	9.69E-03	9.74E-03	1.94E-02	9.56E-03	9.62E-03	1.92E-02
3015 479176.63, 3850271.93	0.2326	0.23361	3.53E-02	3.70E-02	3.33E-02	3.41E-02	3.22E-02	9.36E-03	9.40E-03	1.88E-02	9.13E-03	9.17E-03	1.83E-02	9.01E-03	9.05E-03	1.81E-02
3016 479226.63, 3850271.93	0.22053	0.22166	3.35E-02	3.51E-02	3.16E-02	3.23E-02	3.05E-02	8.87E-03	8.92E-03	1.78E-02	8.66E-03	8.70E-03	1.74E-02	8.55E-03	8.59E-03	1.71E-02
3017 479276.63, 3850271.93	0.21285	0.21363	3.23E-02	3.38E-02	3.05E-02	3.12E-02	2.94E-02	8.57E-03	8.60E-03	1.72E-02	8.36E-03	8.39E-03	1.67E-02	8.25E-03	8.28E-03	1.65E-02
3018 479326.63, 3850271.93	0.20833	0.20781	3.17E-02	3.29E-02	2.98E-02	3.05E-02	2.88E-02	8.38E-03	8.36E-03	1.67E-02	8.18E-03	8.16E-03	1.63E-02	8.07E-03	8.05E-03	1.61E-02
3019 479376.63, 3850271.93	0.20301	0.2023	3.08E-02	3.20E-02	2.91E-02	2.98E-02	2.81E-02	8.17E-03	8.14E-03	1.63E-02	7.97E-03	7.94E-03	1.59E-02	7.87E-03	7.84E-03	1.57E-02
3020 479053.24, 3850293.52	0.2813	0.28308	4.27E-02	4.48E-02	4.03E-02	4.12E-02	3.89E-02	1.13E-02	1.14E-02	2.27E-02	1.10E-02	1.11E-02	2.22E-02	1.09E-02	1.10E-02	2.19E-02
3021 479103.24, 3850293.52	0.26496	0.26845	4.03E-02	4.25E-02	3.79E-02	3.89E-02	3.66E-02	1.07E-02	1.08E-02	2.15E-02	1.04E-02	1.05E-02	2.09E-02	1.03E-02	1.04E-02	2.07E-02
3022 479153.24, 3850293.52	0.25131	0.25384	3.82E-02	4.02E-02	3.60E-02	3.68E-02	3.48E-02	1.01E-02	1.02E-02	2.03E-02	9.87E-03	9.97E-03	1.98E-02	9.74E-03	9.84E-03	1.96E-02
3023 479203.24, 3850293.52	0.23721	0.23877	3.60E-02	3.78E-02	3.40E-02	3.48E-02	3.28E-02	9.55E-03	9.61E-03	1.92E-02	9.32E-03	9.38E-03	1.87E-02	9.19E-03	9.25E-03	1.84E-02
3024 479253.24, 3850293.52	0.22432	0.22588	3.41E-02	3.58E-02	3.21E-02	3.29E-02	3.10E-02	9.03E-03	9.09E-03	1.81E-02	8.81E-03	8.87E-03	1.77E-02	8.69E-03	8.75E-03	1.74E-02
3025 479303.24, 3850293.52	0.21648	0.21756	3.29E-02	3.44E-02	3.10E-02	3.17E-02	2.99E-02	8.71E-03	8.76E-03	1.75E-02	8.50E-03	8.54E-03	1.70E-02	8.39E-03	8.43E-03	1.68E-02
3026 479353.24, 3850293.52	0.21158	0.21144	3.21E-02	3.35E-02	3.03E-02	3.10E-02	2.93E-02	8.51E-03	8.51E-03	1.70E-02	8.31E-03	8.30E-03	1.66E-02	8.20E-03	8.19E-03	1.64E-02
3027 479153.24, 3850343.52	0.28239	0.28527	4.29E-02	4.52E-02	4.04E-02	4.14E-02	3.91E-02	1.14E-02	1.15E-02	2.28E-02	1.11E-02	1.12E-02	2.23E-02	1.09E-02	1.11E-02	2.20E-02
3028 479203.24, 3850343.52	0.26484	0.26885	4.02E-02	4.26E-02	3.79E-02	3.88E-02	3.66E-02	1.07E-02	1.08E-02	2.15E-02	1.04E-02	1.06E-02	2.10E-02	1.03E-02	1.04E-02	2.07E-02
3029 479253.24, 3850343.52	0.25172	0.25427	3.82E-02	4.03E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	1.02E-02	2.04E-02	9.89E-03	9.99E-03	1.99E-02	9.75E-03	9.85E-03	1.96E-02
3030 479303.24, 3850343.52	0.24048	0.24222	3.65E-02	3.84E-02	3.44E-02	3.53E-02	3.33E-02	9.68E-03	9.75E-03	1.94E-02	9.44E-03	9.51E-03	1.90E-02	9.32E-03	9.39E-03	1.87E-02
3031 479353.24, 3850343.52	0.22837	0.23013	3.47E-02	3.64E-02	3.27E-02	3.35E-02	3.16E-02	9.19E-03	9.26E-03	1.85E-02	8.97E-03	9.04E-03	1.80E-02	8.85E-03	8.92E-03	1.78E-02
3032 479203.24, 3850393.52	0.30216	0.30719	4.59E-02	4.86E-02	4.33E-02	4.43E-02	4.18E-02	1.22E-02	1.24E-02	2.45E-02	1.19E-02	1.21E-02	2.39E-02	1.17E-02	1.19E-02	2.36E-02

3033 479253.24, 3850393.52	0.28512	0.28877	4.33E-02	4.57E-02	4.08E-02	4.18E-02	3.94E-02	1.15E-02	1.16E-02	2.31E-02	1.12E-02	1.13E-02	2.25E-02	1.10E-02	1.12E-02	2.22E-02
3034 479303.24, 3850393.52	0.26837	0.27237	4.08E-02	4.31E-02	3.84E-02	3.94E-02	3.71E-02	1.08E-02	1.10E-02	2.18E-02	1.05E-02	1.07E-02	2.12E-02	1.04E-02	1.06E-02	2.10E-02
3035 479353.24, 3850393.52	0.25549	0.2573	3.88E-02	4.07E-02	3.66E-02	3.75E-02	3.53E-02	1.03E-02	1.04E-02	2.06E-02	1.00E-02	1.01E-02	2.01E-02	9.90E-03	9.97E-03	1.99E-02
3036 479403.24, 3850393.52	0.24329	0.24421	3.70E-02	3.87E-02	3.48E-02	3.57E-02	3.36E-02	9.79E-03	9.83E-03	1.96E-02	9.55E-03	9.59E-03	1.91E-02	9.43E-03	9.46E-03	1.89E-02
3037 479453.24, 3850393.52	0.23165	0.23324	3.52E-02	3.69E-02	3.32E-02	3.40E-02	3.20E-02	9.32E-03	9.39E-03	1.87E-02	9.10E-03	9.16E-03	1.83E-02	8.98E-03	9.04E-03	1.80E-02
3038 479503.24, 3850393.52	0.22228	0.22148	3.38E-02	3.51E-02	3.18E-02	3.26E-02	3.07E-02	8.95E-03	8.91E-03	1.79E-02	8.73E-03	8.70E-03	1.74E-02	8.61E-03	8.58E-03	1.72E-02
3039 479303.24, 3850443.52	0.30983	0.31327	4.71E-02	4.96E-02	4.44E-02	4.54E-02	4.29E-02	1.25E-02	1.26E-02	2.51E-02	1.22E-02	1.23E-02	2.45E-02	1.20E-02	1.21E-02	2.41E-02
3040 479353.24, 3850443.52	0.2904	0.29421	4.41E-02	4.66E-02	4.16E-02	4.26E-02	4.02E-02	1.17E-02	1.18E-02	2.35E-02	1.14E-02	1.16E-02	2.30E-02	1.13E-02	1.14E-02	2.27E-02
3041 479403.24, 3850443.52	0.27142	0.27334	4.12E-02	4.33E-02	3.89E-02	3.98E-02	3.75E-02	1.09E-02	1.10E-02	2.19E-02	1.07E-02	1.07E-02	2.14E-02	1.05E-02	1.06E-02	2.11E-02
3042 479453.24, 3850443.52	0.25633	0.25684	3.89E-02	4.07E-02	3.67E-02	3.76E-02	3.55E-02	1.03E-02	1.03E-02	2.07E-02	1.01E-02	1.01E-02	2.02E-02	9.93E-03	9.95E-03	1.99E-02
3043 479503.24, 3850443.52	0.24148	0.24311	3.67E-02	3.85E-02	3.46E-02	3.54E-02	3.34E-02	9.72E-03	9.78E-03	1.95E-02	9.48E-03	9.55E-03	1.90E-02	9.36E-03	9.42E-03	1.88E-02
3044 480327.18, 3850987.04	0.35577	0.3577	5.41E-02	5.66E-02	5.09E-02	5.22E-02	4.92E-02	1.43E-02	1.44E-02	2.87E-02	1.40E-02	1.40E-02	2.80E-02	1.38E-02	1.39E-02	2.76E-02
3045 480377.18, 3850987.04	0.33052	0.33198	5.02E-02	5.26E-02	4.73E-02	4.85E-02	4.57E-02	1.33E-02	1.34E-02	2.67E-02	1.30E-02	1.30E-02	2.60E-02	1.28E-02	1.29E-02	2.57E-02
3046 480427.18, 3850987.04	0.30846	0.31	4.69E-02	4.91E-02	4.42E-02	4.52E-02	4.27E-02	1.24E-02	1.25E-02	2.49E-02	1.21E-02	1.22E-02	2.43E-02	1.20E-02	1.20E-02	2.40E-02
3047 480477.18, 3850987.04	0.28622	0.28799	4.35E-02	4.56E-02	4.10E-02	4.20E-02	3.96E-02	1.15E-02	1.16E-02	2.31E-02	1.12E-02	1.13E-02	2.25E-02	1.11E-02	1.12E-02	2.22E-02
3048 480327.18, 3851037.04	0.43929	0.43985	6.68E-02	6.96E-02	6.29E-02	6.44E-02	6.08E-02	1.77E-02	1.77E-02	3.54E-02	1.73E-02	1.73E-02	3.45E-02	1.70E-02	1.70E-02	3.41E-02
3049 480377.18, 3851037.04	0.39489	0.397	6.00E-02	6.29E-02	5.65E-02	5.79E-02	5.46E-02	1.59E-02	1.60E-02	3.19E-02	1.55E-02	1.56E-02	3.11E-02	1.53E-02	1.54E-02	3.07E-02
3050 480427.18, 3851037.04	0.36067	0.36355	5.48E-02	5.76E-02	5.16E-02	5.29E-02	4.99E-02	1.45E-02	1.46E-02	2.91E-02	1.42E-02	1.43E-02	2.84E-02	1.40E-02	1.41E-02	2.81E-02
3051 480477.18, 3851037.04	0.33291	0.33481	5.06E-02	5.30E-02	4.77E-02	4.88E-02	4.60E-02	1.34E-02	1.35E-02	2.69E-02	1.31E-02	1.31E-02	2.62E-02	1.29E-02	1.30E-02	2.59E-02
3052 480622.06, 3851087.39	0.30719	0.31008	4.67E-02	4.91E-02	4.40E-02	4.50E-02	4.25E-02	1.24E-02	1.25E-02	2.48E-02	1.21E-02	1.22E-02	2.42E-02	1.19E-02	1.20E-02	2.39E-02
3053 480672.06, 3851087.39	0.28757	0.29079	4.37E-02	4.60E-02	4.12E-02	4.22E-02	3.98E-02	1.16E-02	1.17E-02	2.33E-02	1.13E-02	1.14E-02	2.27E-02	1.11E-02	1.13E-02	2.24E-02
3054 480622.06, 3851137.39	0.36786	0.37098	5.59E-02	5.87E-02	5.27E-02	5.39E-02	5.09E-02	1.48E-02	1.49E-02	2.97E-02	1.44E-02	1.46E-02	2.90E-02	1.43E-02	1.44E-02	2.86E-02
3055 480672.06, 3851137.39	0.33636	0.33958	5.11E-02	5.38E-02	4.82E-02	4.93E-02	4.65E-02	1.35E-02	1.37E-02	2.72E-02	1.32E-02	1.33E-02	2.65E-02	1.30E-02	1.32E-02	2.62E-02
3056 480722.06, 3851137.39	0.31087	0.31568	4.72E-02	5.00E-02	4.45E-02	4.56E-02	4.30E-02	1.25E-02	1.27E-02	2.52E-02	1.22E-02	1.24E-02	2.46E-02	1.20E-02	1.22E-02	2.43E-02
3057 480622.06, 3851187.39	0.46452	0.46848	7.06E-02	7.42E-02	6.65E-02	6.81E-02	6.42E-02	1.87E-02	1.89E-02	3.75E-02	1.82E-02	1.84E-02	3.66E-02	1.80E-02	1.82E-02	3.62E-02
3058 480672.06, 3851187.39	0.40704	0.41061	6.19E-02	6.50E-02	5.83E-02	5.97E-02	5.63E-02	1.64E-02	1.65E-02	3.29E-02	1.60E-02	1.61E-02	3.21E-02	1.58E-02	1.59E-02	3.17E-02
3059 480722.06, 3851187.39	0.36852	0.37294	5.60E-02	5.90E-02	5.28E-02	5.40E-02	5.10E-02	1.48E-02	1.50E-02	2.98E-02	1.45E-02	1.46E-02	2.91E-02	1.43E-02	1.45E-02	2.87E-02
3060 471363.09, 3845877.25	0.02122	0.02116	3.22E-03	3.35E-03	3.04E-03	3.11E-03	2.93E-03	8.54E-04	8.52E-04	1.71E-03	8.33E-04	8.31E-04	1.66E-03	8.22E-04	8.20E-04	1.64E-03
3061 471863.09, 3845877.25	0.01758	0.01757	2.67E-03	2.78E-03	2.52E-03	2.58E-03	2.43E-03	7.07E-04	7.07E-04	1.41E-03	6.90E-04	6.90E-04	1.38E-03	6.81E-04	6.81E-04	1.36E-03
3062 472363.09, 3845877.25	0.0195	0.01948	2.96E-03	3.08E-03	2.79E-03	2.86E-03	2.70E-03	7.85E-04	7.84E-04	1.57E-03	7.66E-04	7.65E-04	1.53E-03	7.56E-04	7.55E-04	1.51E-03
3063 472863.09, 3845877.25	0.01639	0.01629	2.49E-03	2.58E-03	2.35E-03	2.40E-03	2.27E-03	6.60E-04	6.56E-04	1.32E-03	6.44E-04	6.40E-04	1.28E-03	6.35E-04	6.31E-04	1.27E-03
3064 473363.09, 3845877.25	0.01904	0.01922	2.89E-03	3.04E-03	2.73E-03	2.79E-03	2.63E-03	7.66E-04	7.73E-04	1.54E-03	7.48E-04	7.55E-04	1.50E-03	7.38E-04	7.45E-04	1.48E-03
3065 473863.09, 3845877.25	0.02048	0.02059	3.11E-03	3.26E-03	2.93E-03	3.00E-03	2.83E-03	8.24E-04	8.29E-04	1.65E-03	8.04E-04	8.09E-04	1.61E-03	7.94E-04	7.98E-04	1.59E-03
3066 474363.09, 3845877.25	0.02481	0.02513	3.77E-03	3.98E-03	3.55E-03	3.64E-03	3.43E-03	9.98E-04	1.01E-03	2.01E-03	9.74E-04	9.87E-04	1.96E-03	9.61E-04	9.74E-04	1.94E-03
3067 474863.09, 3845877.25	0.02932	0.03018	4.46E-03	4.78E-03	4.20E-03	4.30E-03	4.06E-03	1.18E-03	1.21E-03	2.39E-03	1.15E-03	1.19E-03	2.34E-03	1.14E-03	1.17E-03	2.31E-03
3068 475363.09, 3845877.25	0.03197	0.03145	4.86E-03	4.98E-03	4.58E-03	4.69E-03	4.42E-03	1.29E-03	1.27E-03	2.55E-03	1.26E-03	1.24E-03	2.49E-03	1.24E-03	1.22E-03	2.46E-03
3069 475863.09, 3845877.25	0.0311	0.0314	4.73E-03	4.97E-03	4.45E-03	4.56E-03	4.30E-03	1.25E-03	1.26E-03	2.52E-03	1.22E-03	1.23E-03	2.45E-03	1.21E-03	1.22E-03	2.42E-03
3070 476363.09, 3845877.25	0.02842	0.02869	4.32E-03	4.54E-03	4.07E-03	4.17E-03	3.93E-03	1.14E-03	1.15E-03	2.30E-03	1.12E-03	1.13E-03	2.24E-03	1.10E-03	1.11E-03	2.21E-03
3071 476863.09, 3845877.25	0.02559	0.0261	3.89E-03	4.13E-03	3.66E-03	3.75E-03	3.54E-03	1.03E-03	1.05E-03	2.08E-03	1.00E-03	1.02E-03	2.03E-03	9.92E-04	1.01E-03	2.00E-03
3072 477363.09, 3845877.25	0.02275	0.02367	3.46E-03	3.75E-03	3.26E-03	3.34E-03	3.15E-03	9.16E-04	9.53E-04	1.87E-03	8.93E-04	9.30E-04	1.82E-03	8.82E-04	9.17E-04	1.80E-03
3073 477863.09, 3845877.25	0.02051	0.02087	3.12E-03	3.30E-03	2.94E-03	3.01E-03	2.84E-03	8.25E-04	8.40E-04	1.67E-03	8.05E-04	8.20E-04	1.62E-03	7.95E-04	8.09E-04	1.60E-03
3074 478363.09, 3845877.25	0.01941	0.01958	2.95E-03	3.10E-03	2.78E-03	2.85E-03	2.68E-03	7.81E-04	7.88E-04	1.57E-03	7.62E-04	7.69E-04	1.53E-03	7.52E-04	7.59E-04	1.51E-03
3075 478863.09, 3845877.25	0.01839	0.01859	2.79E-03	2.94E-03	2.63E-03	2.70E-03	2.54E-03	7.40E-04	7.48E-04	1.49E-03	7.22E-04	7.30E-04	1.45E-03	7.13E-04	7.20E-04	1.43E-03
3076 479363.09, 3845877.25	0.01799	0.01825	2.73E-03	2.89E-03	2.58E-03	2.64E-03	2.49E-03	7.24E-04	7.34E-04	1.46E-03	7.06E-04	7.17E-04	1.42E-03	6.97E-04	7.07E-04	1.40E-03
3077 479863.09, 3845877.25	0.01682	0.01688	2.56E-03	2.67E-03	2.41E-03	2.47E-03	2.33E-03	6.77E-04	6.79E-04	1.36E-03	6.61E-04	6.63E-04	1.32E-03	6.52E-04	6.54E-04	1.31E-03
3078 480363.09, 3845877.25	0.01458	0.01471	2.22E-03	2.33E-03	2.09E-03	2.14E-03	2.02E-03	5.87E-04	5.92E-04	1.18E-03	5.73E-04	5.78E-04	1.15E-03	5.65E-04	5.70E-04	1.13E-03
3079 480863.09, 3845877.25	0.01339	0.01347	2.03E-03	2.13E-03	1.92E-03	1.96E-03	1.85E-03	5.39E-04	5.42E-04	1.08E-03	5.26E-04	5.29E-04	1.05E-03	5.19E-04	5.22E-04	1.04E-03
3080 481363.09, 3845877.25	0.01265	0.01282	1.92E-03	2.03E-03	1.81E-03	1.85E-03	1.75E-03	5.09E-04	5.16E-04	1.02E-03	4.97E-04	5.03E-04	1.00E-03	4.90E-04	4.97E-04	9.87E-04
3081 481863.09, 3845877.25	0.01195	0.0123	1.82E-03	1.95E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	4.95E-04	9.76E-04	4.69E-04	4.83E-04	9.52E-04	4.63E-04	4.77E-04	9.40E-04
3082 482363.09, 3845877.25	0.01069	0.01092	1.62E-03	1.73E-03	1.53E-03	1.57E-03	1.48E-03	4.30E-04	4.39E-04	8.70E-04	4.20E-04	4.29E-04	8.49E-04	4.14E-04	4.23E-04	8.37E-04
3083 482863.09, 3845877.25	0.00885	0.00886	1.34E-03	1.40E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.57E-04	7.13E-04	3.48E-04	3.48E-04	6.95E-04	3.43E-04	3.43E-04	6.86E-04
3084 483363.09, 3845877.25	0.00791	0.00794	1.20E-03	1.26E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.20E-04	6.38E-04	3.11E-04	3.12E-04	6.22E-04	3.07E-04	3.08E-04	6.14E-04
3085 483863.09, 3845877.25	0.0091	0.00919	1.38E-03	1.46E-03	1.30E-03	1.33E-03	1.26E-03	3.66E-04	3.70E-04	7.36E-04	3.57E-04	3.61E-04	7.18E-04	3.53E-04	3.56E-04	7.09E-04
3086 484363.09, 3845877.25	0.00906	0.00907	1.38E-03	1.44E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.65E-04	7.30E-04	3.56E-04	3.56E-04	7.12E-04	3.51E-04	3.51E-04	7.03E-04
3087 484863.09, 3845877.25	0.00857	0.00871	1.30E-03	1.38E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	3.51E-04	6.95E-04	3.37E-04	3.42E-04	6.79E-04	3.32E-04	3.37E-04	6.70E-04
3088 485363.09, 3845877.25	0.00816	0.00822	1.24E-03	1.30E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.31E-04	6.59E-04	3.20E-04	3.23E-04	6.43E-04	3.16E-04	3.19E-04	6.35E-04
3089 485863.09, 3845877.25	0.00816	0.00818	1.24E-03	1.30E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.29E-04	6.58E-04	3.20E-04	3.21E-04	6.42E-04	3.16E-04	3.17E-04	6.33E-04
3090 486363.09, 3845877.25	0.00796	0.00802	1.21E-03	1.27E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.23E-04	6.43E-04	3.13E-04	3.15E-04	6.28E-04	3.08E-04	3.11E-04	6.19E-04
3091 486863.09, 3845877.25	0.00753	0.00768	1.14E-03	1.22E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	3.09E-04	6.12E-04	2.96E-04	3.02E-04	5.97E-04	2.92E-04	2.98E-04	5.89E-04
3092 487363.09, 3845877.25	0.00741	0.00759	1.13E-03	1.20E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	3.05E-04	6.04E-04	2.91E-04	2.98E-04	5.89E-04	2.87E-04	2.94E-04	5.81E-04
3093 487863.09, 3845877.25	0.00702	0.00715	1.07E-03	1.13E-03	1.00E-03	1.03E-03	9.71E-04	2.83E-04	2.88E-04	5.70E-04	2.76E-04	2.81E-04	5.56E-04	2.72E-04	2.77E-04	5.49E-04
3094 488363.09, 3845877.25	0.00681	0.00687	1.03E-03	1.09E-03	9.75E-04	9.99E-04	9.42E-04	2.74E-04	2.76E-04	5.51E-04	2.67E-04	2.70E-04	5.37E-04	2.64E-04	2.66E-04	5.30E-04
3095 488863.09, 3845877.25	0.00755	0.00767	1.15E-03	1.21E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	3.09E-04	6.13E-04	2.96E-04	3.01E-04	5.98E-04	2.93E-04	2.97E-04	5.90E-04
3096 489363.09, 3845877.25	0.00754	0.00756	1.15E-03	1.20E-03	1.08E-03	1.11E-03	1.04E-03	3.03E-04	3.04E-04	6.08E-04	2.96E-04	2.97E-04	5.93E-04	2.92E-04	2.93E-04	5.85E-04
3097 489863.09, 3845877.25	0.00716	0.00722	1.09E-03	1.14E-03	1.03E-03	1.05E-03	9.90E-04	2.88E-04	2.91E-04	5.79E-04	2.81E-04	2.84E-04	5.65E-04	2.77E-04	2.80E-04	5.57E-04
3098 490363.09, 3845877.25	0.00661	0.00663	1.00E-03	1.05E-03	9.46E-04	9.69E-04	9.14E-04	2.66E-04	2.67E-04	5.33E-04	2.60E-04	2.60E-04	5.20E-04	2.56E-04	2.57E-04	5.13E-04

3099 490863.09, 3845877.25	0.00548	0.00553	8.33E-04	8.76E-04	7.85E-04	8.04E-04	7.58E-04	2.21E-04	2.23E-04	4.43E-04	2.15E-04	2.17E-04	4.32E-04	2.12E-04	2.14E-04	4.27E-04
3100 491363.09, 3845877.25	0.00612	0.00616	9.30E-04	9.75E-04	8.76E-04	8.97E-04	8.46E-04	2.46E-04	2.48E-04	4.94E-04	2.40E-04	2.42E-04	4.82E-04	2.37E-04	2.39E-04	4.76E-04
3101 491863.09, 3845877.25	0.00629	0.00632	9.56E-04	1.00E-03	9.00E-04	9.22E-04	8.70E-04	2.53E-04	2.54E-04	5.07E-04	2.47E-04	2.48E-04	4.95E-04	2.44E-04	2.45E-04	4.89E-04
3102 492363.09, 3845877.25	0.0055	0.00556	8.36E-04	8.80E-04	7.87E-04	8.06E-04	7.61E-04	2.21E-04	2.24E-04	4.45E-04	2.16E-04	2.18E-04	4.34E-04	2.13E-04	2.15E-04	4.29E-04
3103 492863.09, 3845877.25	0.00624	0.00632	9.48E-04	1.00E-03	8.93E-04	9.15E-04	8.63E-04	2.51E-04	2.54E-04	5.05E-04	2.45E-04	2.48E-04	4.93E-04	2.42E-04	2.45E-04	4.87E-04
3104 493363.09, 3845877.25	0.00652	0.0066	9.91E-04	1.04E-03	9.33E-04	9.56E-04	9.02E-04	2.62E-04	2.66E-04	5.28E-04	2.56E-04	2.59E-04	5.15E-04	2.53E-04	2.56E-04	5.08E-04
3105 493863.09, 3845877.25	0.0067	0.00678	1.02E-03	1.07E-03	9.59E-04	9.82E-04	9.27E-04	2.70E-04	2.73E-04	5.42E-04	2.63E-04	2.66E-04	5.29E-04	2.60E-04	2.63E-04	5.22E-04
3106 494363.09, 3845877.25	0.00675	0.00683	1.03E-03	1.08E-03	9.66E-04	9.90E-04	9.34E-04	2.72E-04	2.75E-04	5.47E-04	2.65E-04	2.68E-04	5.33E-04	2.62E-04	2.65E-04	5.26E-04
3107 494863.09, 3845877.25	0.00678	0.00687	1.03E-03	1.09E-03	9.71E-04	9.94E-04	9.38E-04	2.73E-04	2.76E-04	5.49E-04	2.66E-04	2.70E-04	5.36E-04	2.63E-04	2.66E-04	5.29E-04
3108 495363.09, 3845877.25	0.00691	0.00703	1.05E-03	1.11E-03	9.89E-04	1.01E-03	9.56E-04	2.78E-04	2.83E-04	5.61E-04	2.71E-04	2.76E-04	5.47E-04	2.68E-04	2.72E-04	5.40E-04
3109 495863.09, 3845877.25	0.00702	0.00715	1.07E-03	1.13E-03	1.00E-03	1.03E-03	9.71E-04	2.83E-04	2.88E-04	5.70E-04	2.76E-04	2.81E-04	5.56E-04	2.72E-04	2.77E-04	5.49E-04
3110 496363.09, 3845877.25	0.0071	0.00725	1.08E-03	1.15E-03	1.02E-03	1.04E-03	9.82E-04	2.86E-04	2.92E-04	5.77E-04	2.79E-04	2.85E-04	5.64E-04	2.75E-04	2.81E-04	5.56E-04
3111 496863.09, 3845877.25	0.00706	0.00724	1.07E-03	1.15E-03	1.01E-03	1.04E-03	9.76E-04	2.84E-04	2.91E-04	5.75E-04	2.77E-04	2.84E-04	5.62E-04	2.74E-04	2.81E-04	5.54E-04
3112 497363.09, 3845877.25	0.00706	0.00721	1.07E-03	1.14E-03	1.01E-03	1.04E-03	9.76E-04	2.84E-04	2.90E-04	5.74E-04	2.77E-04	2.83E-04	5.60E-04	2.74E-04	2.79E-04	5.53E-04
3113 497863.09, 3845877.25	0.0071	0.00723	1.08E-03	1.14E-03	1.02E-03	1.04E-03	9.82E-04	2.86E-04	2.91E-04	5.77E-04	2.79E-04	2.84E-04	5.63E-04	2.75E-04	2.80E-04	5.55E-04
3114 498363.09, 3845877.25	0.00708	0.0072	1.08E-03	1.14E-03	1.01E-03	1.04E-03	9.79E-04	2.85E-04	2.90E-04	5.75E-04	2.78E-04	2.83E-04	5.61E-04	2.74E-04	2.79E-04	5.53E-04
3115 471363.09, 3846377.25	0.39148	0.39512	5.95E-02	6.26E-02	5.60E-02	5.74E-02	5.41E-02	1.58E-02	1.59E-02	3.17E-02	1.54E-02	1.55E-02	3.09E-02	1.52E-02	1.53E-02	3.05E-02
3116 471863.09, 3846377.25	0.17402	0.17526	2.64E-02	2.77E-02	2.49E-02	2.55E-02	2.41E-02	7.00E-03	7.05E-03	1.41E-02	6.83E-03	6.88E-03	1.37E-02	6.74E-03	6.79E-03	1.35E-02
3117 472363.09, 3846377.25	0.04777	0.04833	7.26E-03	7.65E-03	6.84E-03	7.00E-03	6.61E-03	1.92E-03	1.94E-03	3.87E-03	1.88E-03	1.90E-03	3.77E-03	1.85E-03	1.87E-03	3.72E-03
3118 472863.09, 3846377.25	0.03953	0.03891	6.01E-03	6.16E-03	5.66E-03	5.80E-03	5.47E-03	1.59E-03	1.57E-03	3.16E-03	1.55E-03	1.53E-03	3.08E-03	1.53E-03	1.51E-03	3.04E-03
3119 473363.09, 3846377.25	0.03579	0.03536	5.44E-03	5.60E-03	5.12E-03	5.25E-03	4.95E-03	1.44E-03	1.42E-03	2.86E-03	1.41E-03	1.39E-03	2.79E-03	1.39E-03	1.37E-03	2.76E-03
3120 473863.09, 3846377.25	0.03761	0.03809	5.71E-03	6.03E-03	5.38E-03	5.51E-03	5.20E-03	1.51E-03	1.53E-03	3.05E-03	1.48E-03	1.50E-03	2.97E-03	1.46E-03	1.48E-03	2.93E-03
3121 474363.09, 3846377.25	0.0384	0.03857	5.83E-03	6.11E-03	5.50E-03	5.63E-03	5.31E-03	1.55E-03	1.55E-03	3.10E-03	1.51E-03	1.51E-03	3.02E-03	1.49E-03	1.49E-03	2.98E-03
3122 474863.09, 3846377.25	0.04179	0.04241	6.35E-03	6.71E-03	5.98E-03	6.13E-03	5.78E-03	1.68E-03	1.71E-03	3.39E-03	1.64E-03	1.67E-03	3.31E-03	1.62E-03	1.64E-03	3.26E-03
3123 475363.09, 3846377.25	0.04054	0.04178	6.16E-03	6.62E-03	5.80E-03	5.94E-03	5.61E-03	1.63E-03	1.68E-03	3.31E-03	1.59E-03	1.64E-03	3.23E-03	1.57E-03	1.62E-03	3.19E-03
3124 475863.09, 3846377.25	0.03953	0.03986	6.01E-03	6.31E-03	5.66E-03	5.80E-03	5.47E-03	1.59E-03	1.60E-03	3.19E-03	1.55E-03	1.57E-03	3.12E-03	1.53E-03	1.54E-03	3.08E-03
3125 476363.09, 3846377.25	0.0348	0.03527	5.29E-03	5.58E-03	4.98E-03	5.10E-03	4.81E-03	1.40E-03	1.42E-03	2.82E-03	1.37E-03	1.39E-03	2.75E-03	1.35E-03	1.37E-03	2.72E-03
3126 476863.09, 3846377.25	0.03215	0.03248	4.89E-03	5.14E-03	4.60E-03	4.71E-03	4.45E-03	1.29E-03	1.31E-03	2.60E-03	1.26E-03	1.28E-03	2.54E-03	1.25E-03	1.26E-03	2.50E-03
3127 477363.09, 3846377.25	0.02867	0.02988	4.36E-03	4.73E-03	4.10E-03	4.20E-03	3.97E-03	1.15E-03	1.20E-03	2.36E-03	1.13E-03	1.17E-03	2.30E-03	1.11E-03	1.16E-03	2.27E-03
3128 477863.09, 3846377.25	0.02559	0.02637	3.89E-03	4.18E-03	3.66E-03	3.75E-03	3.54E-03	1.03E-03	1.06E-03	2.09E-03	1.00E-03	1.04E-03	2.04E-03	9.92E-04	1.02E-03	2.01E-03
3129 478363.09, 3846377.25	0.02361	0.02384	3.59E-03	3.77E-03	3.38E-03	3.46E-03	3.27E-03	9.50E-04	9.59E-04	1.91E-03	9.27E-04	9.36E-04	1.86E-03	9.15E-04	9.24E-04	1.84E-03
3130 478863.09, 3846377.25	0.02286	0.02314	3.47E-03	3.66E-03	3.27E-03	3.35E-03	3.16E-03	9.20E-04	9.31E-04	1.85E-03	8.98E-04	9.09E-04	1.81E-03	8.86E-04	8.97E-04	1.78E-03
3131 479363.09, 3846377.25	0.02169	0.02189	3.30E-03	3.47E-03	3.11E-03	3.18E-03	3.00E-03	8.73E-04	8.81E-04	1.75E-03	8.52E-04	8.60E-04	1.71E-03	8.40E-04	8.48E-04	1.69E-03
3132 479863.09, 3846377.25	0.01984	0.02007	3.01E-03	3.18E-03	2.84E-03	2.91E-03	2.74E-03	7.98E-04	8.08E-04	1.61E-03	7.79E-04	7.88E-04	1.57E-03	7.69E-04	7.78E-04	1.55E-03
3133 480363.09, 3846377.25	0.01925	0.01922	2.93E-03	3.04E-03	2.76E-03	2.82E-03	2.66E-03	7.75E-04	7.73E-04	1.55E-03	7.56E-04	7.55E-04	1.51E-03	7.46E-04	7.45E-04	1.49E-03
3134 480863.09, 3846377.25	0.01613	0.01651	2.45E-03	2.61E-03	2.31E-03	2.37E-03	2.23E-03	6.49E-04	6.64E-04	1.31E-03	6.33E-04	6.48E-04	1.28E-03	6.25E-04	6.40E-04	1.26E-03
3135 481363.09, 3846377.25	0.01509	0.01546	2.29E-03	2.45E-03	2.16E-03	2.21E-03	2.09E-03	6.07E-04	6.22E-04	1.23E-03	5.93E-04	6.07E-04	1.20E-03	5.85E-04	5.99E-04	1.18E-03
3136 481863.09, 3846377.25	0.01407	0.01427	2.14E-03	2.26E-03	2.01E-03	2.06E-03	1.95E-03	5.66E-04	5.74E-04	1.14E-03	5.53E-04	5.60E-04	1.11E-03	5.45E-04	5.53E-04	1.10E-03
3137 482363.09, 3846377.25	0.01247	0.01265	1.89E-03	2.00E-03	1.79E-03	1.83E-03	1.72E-03	5.02E-04	5.09E-04	1.01E-03	4.90E-04	4.97E-04	9.86E-04	4.83E-04	4.90E-04	9.73E-04
3138 482863.09, 3846377.25	0.01038	0.01061	1.58E-03	1.68E-03	1.49E-03	1.52E-03	1.44E-03	4.18E-04	4.27E-04	8.45E-04	4.08E-04	4.17E-04	8.24E-04	4.02E-04	4.11E-04	8.13E-04
3139 483363.09, 3846377.25	0.01067	0.01077	1.62E-03	1.71E-03	1.53E-03	1.56E-03	1.48E-03	4.29E-04	4.33E-04	8.63E-04	4.19E-04	4.23E-04	8.42E-04	4.13E-04	4.17E-04	8.31E-04
3140 483863.09, 3846377.25	0.01031	0.0104	1.57E-03	1.65E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	4.19E-04	8.33E-04	4.05E-04	4.08E-04	8.13E-04	3.99E-04	4.03E-04	8.02E-04
3141 484363.09, 3846377.25	0.00965	0.00974	1.47E-03	1.54E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.92E-04	7.80E-04	3.79E-04	3.82E-04	7.61E-04	3.74E-04	3.77E-04	7.51E-04
3142 484863.09, 3846377.25	0.00996	0.01005	1.51E-03	1.59E-03	1.43E-03	1.46E-03	1.38E-03	4.01E-04	4.04E-04	8.05E-04	3.91E-04	3.95E-04	7.86E-04	3.86E-04	3.89E-04	7.75E-04
3143 485363.09, 3846377.25	0.00991	0.00996	1.51E-03	1.58E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	4.01E-04	8.00E-04	3.89E-04	3.91E-04	7.80E-04	3.84E-04	3.86E-04	7.70E-04
3144 485863.09, 3846377.25	0.00941	0.00959	1.43E-03	1.52E-03	1.35E-03	1.38E-03	1.30E-03	3.79E-04	3.86E-04	7.65E-04	3.70E-04	3.77E-04	7.46E-04	3.65E-04	3.72E-04	7.36E-04
3145 486363.09, 3846377.25	0.00824	0.00833	1.25E-03	1.32E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.35E-04	6.67E-04	3.24E-04	3.27E-04	6.51E-04	3.19E-04	3.23E-04	6.42E-04
3146 486863.09, 3846377.25	0.00804	0.00811	1.22E-03	1.28E-03	1.15E-03	1.18E-03	1.11E-03	3.24E-04	3.26E-04	6.50E-04	3.16E-04	3.18E-04	6.34E-04	3.12E-04	3.14E-04	6.26E-04
3147 487363.09, 3846377.25	0.00812	0.00826	1.23E-03	1.31E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.32E-04	6.59E-04	3.19E-04	3.24E-04	6.43E-04	3.15E-04	3.20E-04	6.35E-04
3148 487863.09, 3846377.25	0.00876	0.00883	1.33E-03	1.40E-03	1.25E-03	1.28E-03	1.21E-03	3.53E-04	3.55E-04	7.08E-04	3.44E-04	3.47E-04	6.91E-04	3.39E-04	3.42E-04	6.82E-04
3149 488363.09, 3846377.25	0.00849	0.00846	1.29E-03	1.34E-03	1.22E-03	1.24E-03	1.17E-03	3.42E-04	3.40E-04	6.82E-04	3.33E-04	3.32E-04	6.66E-04	3.29E-04	3.28E-04	6.57E-04
3150 488863.09, 3846377.25	0.00831	0.00831	1.26E-03	1.32E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.34E-04	6.69E-04	3.26E-04	3.26E-04	6.53E-04	3.22E-04	3.22E-04	6.44E-04
3151 489363.09, 3846377.25	0.00811	0.00814	1.23E-03	1.29E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.28E-04	6.54E-04	3.18E-04	3.20E-04	6.38E-04	3.14E-04	3.15E-04	6.30E-04
3152 489863.09, 3846377.25	0.00768	0.00774	1.17E-03	1.23E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.11E-04	6.21E-04	3.02E-04	3.04E-04	6.06E-04	2.98E-04	3.00E-04	5.98E-04
3153 490363.09, 3846377.25	0.00668	0.00674	1.02E-03	1.07E-03	9.56E-04	9.79E-04	9.24E-04	2.69E-04	2.71E-04	5.40E-04	2.62E-04	2.65E-04	5.27E-04	2.59E-04	2.61E-04	5.20E-04
3154 490863.09, 3846377.25	0.0063	0.00634	9.57E-04	1.00E-03	9.02E-04	9.24E-04	8.71E-04	2.54E-04	2.55E-04	5.09E-04	2.47E-04	2.49E-04	4.96E-04	2.44E-04	2.46E-04	4.90E-04
3155 491363.09, 3846377.25	0.00619	0.00621	9.41E-04	9.83E-04	8.86E-04	9.08E-04	8.56E-04	2.49E-04	2.50E-04	4.99E-04	2.43E-04	2.44E-04	4.87E-04	2.40E-04	2.41E-04	4.80E-04
3156 491863.09, 3846377.25	0.00675	0.00679	1.03E-03	1.08E-03	9.66E-04	9.90E-04	9.34E-04	2.72E-04	2.73E-04	5.45E-04	2.65E-04	2.67E-04	5.32E-04	2.62E-04	2.63E-04	5.25E-04
3157 492363.09, 3846377.25	0.00652	0.00657	9.91E-04	1.04E-03	9.33E-04	9.56E-04	9.02E-04	2.62E-04	2.64E-04	5.27E-04	2.56E-04	2.58E-04	5.14E-04	2.53E-04	2.55E-04	5.07E-04
3158 492863.09, 3846377.25	0.00655	0.0066	9.95E-04	1.04E-03	9.38E-04	9.60E-04	9.06E-04	2.64E-04	2.66E-04	5.29E-04	2.57E-04	2.59E-04	5.16E-04	2.54E-04	2.56E-04	5.10E-04
3159 493363.09, 3846377.25	0.00684	0.00692	1.04E-03	1.10E-03	9.79E-04	1.00E-03	9.46E-04	2.75E-04	2.78E-04	5.54E-04	2.69E-04	2.72E-04	5.40E-04	2.65E-04	2.68E-04	5.33E-04
3160 493863.09, 3846377.25	0.00692	0.00697	1.05E-03	1.10E-03	9.91E-04	1.01E-03	9.57E-04	2.78E-04	2.80E-04	5.59E-04	2.72E-04	2.74E-04	5.45E-04	2.68E-04	2.70E-04	5.38E-04
3161 494363.09, 3846377.25	0.00694	0.00711	1.05E-03	1.13E-03	9.94E-04	1.02E-03	9.60E-04	2.79E-04	2.86E-04	5.65E-04	2.73E-04	2.79E-04	5.52E-04	2.69E-04	2.76E-04	5.44E-04
3162 494863.09, 3846377.25	0.00714	0.00725	1.08E-03	1.15E-03	1.02E-03	1.05E-03	9.88E-04	2.87E-04	2.92E-04	5.79E-04	2.80E-04	2.85E-04	5.65E-04	2.77E-04	2.81E-04	5.58E-04
3163 495363.09, 3846377.25	0.00722	0.0074	1.10E-03	1.17E-03	1.03E-03	1.06E-03	9.99E-04	2.91E-04	2.98E-04	5.88E-04	2.84E-04	2.91E-04	5.74E-04	2.80E-04	2.87E-04	5.67E-04
3164 495863.09, 3846377.25	0.00735	0.00751	1.12E-03	1.19E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	3.02E-04	5.98E-04	2.89E-04	2.95E-04	5.84E-04	2.85E-04	2.91E-04	5.76E-04

3165 496363.09, 3846377.25	0.00742	0.00754	1.13E-03	1.19E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	3.03E-04	6.02E-04	2.91E-04	2.96E-04	5.87E-04	2.88E-04	2.92E-04	5.80E-04
3166 496863.09, 3846377.25	0.00756	0.00766	1.15E-03	1.21E-03	1.08E-03	1.11E-03	1.05E-03	3.04E-04	3.08E-04	6.13E-04	2.97E-04	3.01E-04	5.98E-04	2.93E-04	2.97E-04	5.90E-04
3167 497363.09, 3846377.25	0.00759	0.00768	1.15E-03	1.22E-03	1.09E-03	1.11E-03	1.05E-03	3.05E-04	3.09E-04	6.15E-04	2.98E-04	3.02E-04	6.00E-04	2.94E-04	2.98E-04	5.92E-04
3168 497863.09, 3846377.25	0.00757	0.00766	1.15E-03	1.21E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	3.08E-04	6.13E-04	2.97E-04	3.01E-04	5.98E-04	2.93E-04	2.97E-04	5.90E-04
3169 498363.09, 3846377.25	0.00753	0.0076	1.14E-03	1.20E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	3.06E-04	6.09E-04	2.96E-04	2.98E-04	5.94E-04	2.92E-04	2.94E-04	5.86E-04
3170 471363.09, 3846877.25	0.09262	0.09305	1.41E-02	1.47E-02	1.33E-02	1.36E-02	1.28E-02	3.73E-03	3.74E-03	7.47E-03	3.64E-03	3.65E-03	7.29E-03	3.59E-03	3.61E-03	7.19E-03
3171 471863.09, 3846877.25	0.1529	0.15496	2.32E-02	2.45E-02	2.19E-02	2.24E-02	2.11E-02	6.15E-03	6.24E-03	1.24E-02	6.00E-03	6.09E-03	1.21E-02	5.92E-03	6.00E-03	1.19E-02
3172 472363.09, 3846877.25	0.91045	0.91778	1.38E-01	1.45E-01	1.30E-01	1.33E-01	1.26E-01	3.66E-02	3.69E-02	7.36E-02	3.58E-02	3.60E-02	7.18E-02	3.53E-02	3.56E-02	7.08E-02
3173 472863.09, 3846877.25	0.07459	0.07513	1.13E-02	1.19E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	3.02E-03	6.03E-03	2.93E-03	2.95E-03	5.88E-03	2.89E-03	2.91E-03	5.80E-03
3174 473363.09, 3846877.25	0.05993	0.06038	9.11E-03	9.56E-03	8.58E-03	8.79E-03	8.29E-03	2.41E-03	2.43E-03	4.84E-03	2.35E-03	2.37E-03	4.72E-03	2.32E-03	2.34E-03	4.66E-03
3175 473863.09, 3846877.25	0.06523	0.06596	9.91E-03	1.04E-02	9.34E-03	9.56E-03	9.02E-03	2.63E-03	2.65E-03	5.28E-03	2.56E-03	2.59E-03	5.15E-03	2.53E-03	2.56E-03	5.08E-03
3176 474363.09, 3846877.25	0.05873	0.05971	8.92E-03	9.45E-03	8.41E-03	8.61E-03	8.12E-03	2.36E-03	2.40E-03	4.77E-03	2.31E-03	2.34E-03	4.65E-03	2.28E-03	2.31E-03	4.59E-03
3177 474863.09, 3846877.25	0.05203	0.053	7.91E-03	8.39E-03	7.45E-03	7.63E-03	7.20E-03	2.09E-03	2.13E-03	4.23E-03	2.04E-03	2.08E-03	4.12E-03	2.02E-03	2.05E-03	4.07E-03
3178 475363.09, 3846877.25	0.04793	0.04848	7.28E-03	7.68E-03	6.86E-03	7.03E-03	6.63E-03	1.93E-03	1.95E-03	3.88E-03	1.88E-03	1.90E-03	3.79E-03	1.86E-03	1.88E-03	3.74E-03
3179 475863.09, 3846877.25	0.0477	0.04947	7.25E-03	7.83E-03	6.83E-03	6.99E-03	6.60E-03	1.92E-03	1.99E-03	3.91E-03	1.87E-03	1.94E-03	3.82E-03	1.85E-03	1.92E-03	3.77E-03
3180 476363.09, 3846877.25	0.04637	0.04549	7.05E-03	7.20E-03	6.64E-03	6.80E-03	6.41E-03	1.87E-03	1.83E-03	3.70E-03	1.82E-03	1.79E-03	3.61E-03	1.80E-03	1.76E-03	3.56E-03
3181 476863.09, 3846877.25	0.04049	0.04086	6.15E-03	6.47E-03	5.80E-03	5.94E-03	5.60E-03	1.63E-03	1.64E-03	3.27E-03	1.59E-03	1.60E-03	3.19E-03	1.57E-03	1.58E-03	3.15E-03
3182 477363.09, 3846877.25	0.03784	0.03813	5.75E-03	6.04E-03	5.42E-03	5.55E-03	5.23E-03	1.52E-03	1.53E-03	3.06E-03	1.49E-03	1.50E-03	2.98E-03	1.47E-03	1.48E-03	2.94E-03
3183 477863.09, 3846877.25	0.0321	0.03421	4.88E-03	5.42E-03	4.60E-03	4.71E-03	4.44E-03	1.29E-03	1.38E-03	2.67E-03	1.26E-03	1.34E-03	2.60E-03	1.24E-03	1.33E-03	2.57E-03
3184 478363.09, 3846877.25	0.02942	0.03048	4.47E-03	4.83E-03	4.21E-03	4.31E-03	4.07E-03	1.18E-03	1.23E-03	2.41E-03	1.16E-03	1.20E-03	2.35E-03	1.14E-03	1.18E-03	2.32E-03
3185 478863.09, 3846877.25	0.02753	0.02768	4.18E-03	4.38E-03	3.94E-03	4.04E-03	3.81E-03	1.11E-03	1.11E-03	2.22E-03	1.08E-03	1.09E-03	2.17E-03	1.07E-03	1.07E-03	2.14E-03
3186 479363.09, 3846877.25	0.02508	0.02517	3.81E-03	3.99E-03	3.59E-03	3.68E-03	3.47E-03	1.01E-03	1.01E-03	2.02E-03	9.85E-04	9.88E-04	1.97E-03	9.72E-04	9.75E-04	1.95E-03
3187 479863.09, 3846877.25	0.0202	0.02058	3.07E-03	3.26E-03	2.89E-03	2.96E-03	2.79E-03	8.13E-04	8.28E-04	1.64E-03	7.93E-04	8.08E-04	1.60E-03	7.83E-04	7.97E-04	1.58E-03
3188 480363.09, 3846877.25	0.01745	0.0179	2.65E-03	2.83E-03	2.50E-03	2.56E-03	2.41E-03	7.02E-04	7.20E-04	1.42E-03	6.85E-04	7.03E-04	1.39E-03	6.76E-04	6.94E-04	1.37E-03
3189 480863.09, 3846877.25	0.01591	0.01618	2.42E-03	2.56E-03	2.28E-03	2.33E-03	2.20E-03	6.40E-04	6.51E-04	1.29E-03	6.25E-04	6.35E-04	1.26E-03	6.16E-04	6.27E-04	1.24E-03
3190 481363.09, 3846877.25	0.01577	0.01618	2.40E-03	2.56E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	6.51E-04	1.29E-03	6.19E-04	6.35E-04	1.25E-03	6.11E-04	6.27E-04	1.24E-03
3191 481863.09, 3846877.25	0.01527	0.01543	2.32E-03	2.44E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	6.21E-04	1.24E-03	6.00E-04	6.06E-04	1.21E-03	5.92E-04	5.98E-04	1.19E-03
3192 482363.09, 3846877.25	0.0133	0.01344	2.02E-03	2.13E-03	1.90E-03	1.95E-03	1.84E-03	5.35E-04	5.41E-04	1.08E-03	5.22E-04	5.28E-04	1.05E-03	5.15E-04	5.21E-04	1.04E-03
3193 482863.09, 3846877.25	0.01259	0.01269	1.91E-03	2.01E-03	1.80E-03	1.85E-03	1.74E-03	5.07E-04	5.11E-04	1.02E-03	4.94E-04	4.98E-04	9.93E-04	4.88E-04	4.92E-04	9.80E-04
3194 483363.09, 3846877.25	0.01197	0.01211	1.82E-03	1.92E-03	1.71E-03	1.76E-03	1.66E-03	4.82E-04	4.87E-04	9.69E-04	4.70E-04	4.76E-04	9.46E-04	4.64E-04	4.69E-04	9.33E-04
3195 483863.09, 3846877.25	0.01165	0.01186	1.77E-03	1.88E-03	1.67E-03	1.71E-03	1.61E-03	4.69E-04	4.77E-04	9.46E-04	4.57E-04	4.66E-04	9.23E-04	4.51E-04	4.60E-04	9.11E-04
3196 484363.09, 3846877.25	0.01166	0.01175	1.77E-03	1.86E-03	1.67E-03	1.71E-03	1.61E-03	4.69E-04	4.73E-04	9.42E-04	4.58E-04	4.61E-04	9.19E-04	4.52E-04	4.55E-04	9.07E-04
3197 484863.09, 3846877.25	0.01114	0.01128	1.69E-03	1.79E-03	1.59E-03	1.63E-03	1.54E-03	4.48E-04	4.54E-04	9.02E-04	4.37E-04	4.43E-04	8.80E-04	4.32E-04	4.37E-04	8.69E-04
3198 485363.09, 3846877.25	0.01095	0.01107	1.66E-03	1.75E-03	1.57E-03	1.61E-03	1.51E-03	4.41E-04	4.45E-04	8.86E-04	4.30E-04	4.35E-04	8.65E-04	4.24E-04	4.29E-04	8.53E-04
3199 485863.09, 3846877.25	0.01049	0.0106	1.59E-03	1.68E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	4.27E-04	8.49E-04	4.12E-04	4.16E-04	8.28E-04	4.06E-04	4.11E-04	8.17E-04
3200 486363.09, 3846877.25	0.01074	0.01087	1.63E-03	1.72E-03	1.54E-03	1.57E-03	1.49E-03	4.32E-04	4.37E-04	8.70E-04	4.22E-04	4.27E-04	8.49E-04	4.16E-04	4.21E-04	8.37E-04
3201 486863.09, 3846877.25	0.0096	0.0097	1.46E-03	1.54E-03	1.37E-03	1.41E-03	1.33E-03	3.86E-04	3.90E-04	7.77E-04	3.77E-04	3.81E-04	7.58E-04	3.72E-04	3.76E-04	7.48E-04
3202 487363.09, 3846877.25	0.00958	0.00969	1.46E-03	1.53E-03	1.37E-03	1.40E-03	1.32E-03	3.86E-04	3.90E-04	7.75E-04	3.76E-04	3.81E-04	7.57E-04	3.71E-04	3.75E-04	7.47E-04
3203 487863.09, 3846877.25	0.00935	0.00956	1.42E-03	1.51E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	3.85E-04	7.61E-04	3.67E-04	3.75E-04	7.43E-04	3.62E-04	3.70E-04	7.33E-04
3204 488363.09, 3846877.25	0.009	0.00922	1.37E-03	1.46E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	3.71E-04	7.33E-04	3.53E-04	3.62E-04	7.15E-04	3.49E-04	3.57E-04	7.06E-04
3205 488863.09, 3846877.25	0.00882	0.009	1.34E-03	1.42E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.62E-04	7.17E-04	3.46E-04	3.53E-04	7.00E-04	3.42E-04	3.49E-04	6.90E-04
3206 489363.09, 3846877.25	0.00871	0.00881	1.32E-03	1.39E-03	1.25E-03	1.28E-03	1.20E-03	3.51E-04	3.55E-04	7.05E-04	3.42E-04	3.46E-04	6.88E-04	3.37E-04	3.41E-04	6.79E-04
3207 489863.09, 3846877.25	0.00825	0.00831	1.25E-03	1.32E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.34E-04	6.66E-04	3.24E-04	3.26E-04	6.50E-04	3.20E-04	3.22E-04	6.42E-04
3208 490363.09, 3846877.25	0.00736	0.00744	1.12E-03	1.18E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	2.99E-04	5.96E-04	2.89E-04	2.92E-04	5.81E-04	2.85E-04	2.88E-04	5.73E-04
3209 490863.09, 3846877.25	0.00717	0.00722	1.09E-03	1.14E-03	1.03E-03	1.05E-03	9.92E-04	2.89E-04	2.91E-04	5.79E-04	2.82E-04	2.84E-04	5.65E-04	2.78E-04	2.80E-04	5.58E-04
3210 491363.09, 3846877.25	0.00704	0.0071	1.07E-03	1.12E-03	1.01E-03	1.03E-03	9.74E-04	2.83E-04	2.86E-04	5.69E-04	2.76E-04	2.79E-04	5.55E-04	2.73E-04	2.75E-04	5.48E-04
3211 491863.09, 3846877.25	0.00668	0.00673	1.02E-03	1.07E-03	9.56E-04	9.79E-04	9.24E-04	2.69E-04	2.71E-04	5.40E-04	2.62E-04	2.64E-04	5.27E-04	2.59E-04	2.61E-04	5.20E-04
3212 492363.09, 3846877.25	0.00716	0.00724	1.09E-03	1.15E-03	1.03E-03	1.05E-03	9.90E-04	2.88E-04	2.91E-04	5.80E-04	2.81E-04	2.84E-04	5.65E-04	2.77E-04	2.81E-04	5.58E-04
3213 492863.09, 3846877.25	0.00717	0.00723	1.09E-03	1.14E-03	1.03E-03	1.05E-03	9.92E-04	2.89E-04	2.91E-04	5.80E-04	2.82E-04	2.84E-04	5.65E-04	2.78E-04	2.80E-04	5.58E-04
3214 493363.09, 3846877.25	0.00724	0.00737	1.10E-03	1.17E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	2.97E-04	5.88E-04	2.84E-04	2.89E-04	5.74E-04	2.81E-04	2.86E-04	5.66E-04
3215 493863.09, 3846877.25	0.00732	0.00753	1.11E-03	1.19E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	3.03E-04	5.98E-04	2.87E-04	2.96E-04	5.83E-04	2.84E-04	2.92E-04	5.75E-04
3216 494363.09, 3846877.25	0.00728	0.00748	1.11E-03	1.18E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	3.01E-04	5.94E-04	2.86E-04	2.94E-04	5.80E-04	2.82E-04	2.90E-04	5.72E-04
3217 494863.09, 3846877.25	0.00729	0.0075	1.11E-03	1.19E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	3.02E-04	5.95E-04	2.86E-04	2.95E-04	5.81E-04	2.82E-04	2.91E-04	5.73E-04
3218 495363.09, 3846877.25	0.00729	0.00757	1.11E-03	1.20E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	3.05E-04	5.98E-04	2.86E-04	2.97E-04	5.84E-04	2.82E-04	2.93E-04	5.76E-04
3219 495863.09, 3846877.25	0.00727	0.00763	1.10E-03	1.21E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	3.07E-04	6.00E-04	2.85E-04	3.00E-04	5.85E-04	2.82E-04	2.96E-04	5.77E-04
3220 496363.09, 3846877.25	0.00747	0.00763	1.14E-03	1.21E-03	1.07E-03	1.10E-03	1.03E-03	3.01E-04	3.07E-04	6.08E-04	2.93E-04	3.00E-04	5.93E-04	2.89E-04	2.96E-04	5.85E-04
3221 496863.09, 3846877.25	0.00753	0.00766	1.14E-03	1.21E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	3.08E-04	6.11E-04	2.96E-04	3.01E-04	5.97E-04	2.92E-04	2.97E-04	5.89E-04
3222 497363.09, 3846877.25	0.00778	0.0079	1.18E-03	1.25E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.18E-04	6.31E-04	3.06E-04	3.10E-04	6.16E-04	3.01E-04	3.06E-04	6.08E-04
3223 497863.09, 3846877.25	0.00788	0.00797	1.20E-03	1.26E-03	1.13E-03	1.16E-03	1.09E-03	3.17E-04	3.21E-04	6.38E-04	3.09E-04	3.13E-04	6.22E-04	3.05E-04	3.09E-04	6.14E-04
3224 498363.09, 3846877.25	0.00777	0.00786	1.18E-03	1.24E-03	1.11E-03	1.14E-03	1.07E-03	3.13E-04	3.16E-04	6.29E-04	3.05E-04	3.09E-04	6.14E-04	3.01E-04	3.05E-04	6.06E-04
3225 471363.09, 3847377.25	0.06625	0.06665	1.01E-02	1.06E-02	9.48E-03	9.71E-03	9.16E-03	2.67E-03	2.68E-03	5.35E-03	2.60E-03	2.62E-03	5.22E-03	2.57E-03	2.58E-03	5.15E-03
3226 471863.09, 3847377.25	0.08071	0.08131	1.23E-02	1.29E-02	1.16E-02	1.18E-02	1.12E-02	3.25E-03	3.27E-03	6.52E-03	3.17E-03	3.19E-03	6.36E-03	3.13E-03	3.15E-03	6.28E-03
3227 472363.09, 3847377.25	0.12084	0.1219	1.84E-02	1.93E-02	1.73E-02	1.77E-02	1.67E-02	4.86E-03	4.91E-03	9.77E-03	4.75E-03	4.79E-03	9.53E-03	4.68E-03	4.72E-03	9.41E-03
3228 472863.09, 3847377.25	0.36296	0.36433	5.52E-02	5.77E-02	5.20E-02	5.32E-02	5.02E-02	1.46E-02	1.47E-02	2.93E-02	1.43E-02	1.43E-02	2.86E-02	1.41E-02	1.41E-02	2.82E-02
3229 473363.09, 3847377.25	0.14983	0.15048	2.28E-02	2.38E-02	2.14E-02	2.20E-02	2.07E-02	6.03E-03	6.06E-03	1.21E-02	5.88E-03	5.91E-03	1.18E-02	5.81E-03	5.83E-03	1.16E-02
3230 473863.09, 3847377.25	0.0905	0.09124	1.38E-02	1.44E-02	1.30E-02	1.33E-02	1.25E-02	3.64E-03	3.67E-03	7.31E-03	3.55E-03	3.58E-03	7.14E-03	3.51E-03	3.54E-03	7.04E-03

3231 474363.09, 3847377.25	0.08764	0.08788	1.33E-02	1.39E-02	1.25E-02	1.29E-02	1.21E-02	3.53E-03	3.54E-03	7.06E-03	3.44E-03	3.45E-03	6.89E-03	3.40E-03	3.41E-03	6.80E-03
3232 474863.09, 3847377.25	0.07032	0.07219	1.07E-02	1.14E-02	1.01E-02	1.03E-02	9.73E-03	2.83E-03	2.91E-03	5.74E-03	2.76E-03	2.83E-03	5.60E-03	2.72E-03	2.80E-03	5.52E-03
3233 475363.09, 3847377.25	0.06003	0.06111	9.12E-03	9.68E-03	8.59E-03	8.80E-03	8.30E-03	2.42E-03	2.46E-03	4.88E-03	2.36E-03	2.40E-03	4.76E-03	2.33E-03	2.37E-03	4.69E-03
3234 475863.09, 3847377.25	0.06208	0.06385	9.43E-03	1.01E-02	8.89E-03	9.10E-03	8.59E-03	2.50E-03	2.57E-03	5.07E-03	2.44E-03	2.51E-03	4.95E-03	2.41E-03	2.47E-03	4.88E-03
3235 476363.09, 3847377.25	0.06063	0.06056	9.21E-03	9.59E-03	8.68E-03	8.89E-03	8.39E-03	2.44E-03	2.44E-03	4.88E-03	2.38E-03	2.38E-03	4.76E-03	2.35E-03	2.35E-03	4.70E-03
3236 476863.09, 3847377.25	0.05209	0.05158	7.92E-03	8.17E-03	7.46E-03	7.64E-03	7.20E-03	2.10E-03	2.08E-03	4.17E-03	2.05E-03	2.03E-03	4.07E-03	2.02E-03	2.00E-03	4.02E-03
3237 477363.09, 3847377.25	0.04674	0.04715	7.10E-03	7.47E-03	6.69E-03	6.85E-03	6.46E-03	1.88E-03	1.90E-03	3.78E-03	1.84E-03	1.85E-03	3.69E-03	1.81E-03	1.83E-03	3.64E-03
3238 477863.09, 3847377.25	0.04158	0.04223	6.32E-03	6.69E-03	5.95E-03	6.10E-03	5.75E-03	1.67E-03	1.70E-03	3.37E-03	1.63E-03	1.66E-03	3.29E-03	1.61E-03	1.64E-03	3.25E-03
3239 478363.09, 3847377.25	0.03705	0.03777	5.63E-03	5.98E-03	5.30E-03	5.43E-03	5.12E-03	1.49E-03	1.52E-03	3.01E-03	1.45E-03	1.48E-03	2.94E-03	1.44E-03	1.46E-03	2.90E-03
3240 478863.09, 3847377.25	0.03412	0.03515	5.18E-03	5.57E-03	4.88E-03	5.00E-03	4.72E-03	1.37E-03	1.41E-03	2.79E-03	1.34E-03	1.38E-03	2.72E-03	1.32E-03	1.36E-03	2.68E-03
3241 479363.09, 3847377.25	0.02852	0.02803	4.33E-03	4.44E-03	4.08E-03	4.18E-03	3.94E-03	1.15E-03	1.13E-03	2.28E-03	1.12E-03	1.10E-03	2.22E-03	1.11E-03	1.09E-03	2.19E-03
3242 479863.09, 3847377.25	0.02094	0.02089	3.18E-03	3.31E-03	3.00E-03	3.07E-03	2.90E-03	8.43E-04	8.41E-04	1.68E-03	8.22E-04	8.20E-04	1.64E-03	8.11E-04	8.09E-04	1.62E-03
3243 480363.09, 3847377.25	0.01567	0.01583	2.38E-03	2.51E-03	2.24E-03	2.30E-03	2.17E-03	6.31E-04	6.37E-04	1.27E-03	6.15E-04	6.22E-04	1.24E-03	6.07E-04	6.13E-04	1.22E-03
3244 480863.09, 3847377.25	0.01408	0.01423	2.14E-03	2.25E-03	2.02E-03	2.06E-03	1.95E-03	5.67E-04	5.73E-04	1.14E-03	5.53E-04	5.59E-04	1.11E-03	5.46E-04	5.51E-04	1.10E-03
3245 481363.09, 3847377.25	0.01487	0.01492	2.26E-03	2.36E-03	2.13E-03	2.18E-03	2.06E-03	5.98E-04	6.00E-04	1.20E-03	5.84E-04	5.86E-04	1.17E-03	5.76E-04	5.78E-04	1.15E-03
3246 481863.09, 3847377.25	0.01727	0.01762	2.62E-03	2.79E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	7.09E-04	1.40E-03	6.78E-04	6.92E-04	1.37E-03	6.69E-04	6.83E-04	1.35E-03
3247 482363.09, 3847377.25	0.01655	0.01681	2.51E-03	2.66E-03	2.37E-03	2.43E-03	2.29E-03	6.66E-04	6.76E-04	1.34E-03	6.50E-04	6.60E-04	1.31E-03	6.41E-04	6.51E-04	1.29E-03
3248 482863.09, 3847377.25	0.01531	0.01556	2.33E-03	2.46E-03	2.19E-03	2.24E-03	2.12E-03	6.16E-04	6.26E-04	1.24E-03	6.01E-04	6.11E-04	1.21E-03	5.93E-04	6.03E-04	1.20E-03
3249 483363.09, 3847377.25	0.01387	0.01433	2.11E-03	2.27E-03	1.99E-03	2.03E-03	1.92E-03	5.58E-04	5.77E-04	1.13E-03	5.45E-04	5.63E-04	1.11E-03	5.37E-04	5.55E-04	1.09E-03
3250 483863.09, 3847377.25	0.01364	0.01386	2.07E-03	2.19E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	5.58E-04	1.11E-03	5.36E-04	5.44E-04	1.08E-03	5.29E-04	5.37E-04	1.07E-03
3251 484363.09, 3847377.25	0.01393	0.01427	2.12E-03	2.26E-03	1.99E-03	2.04E-03	1.93E-03	5.61E-04	5.74E-04	1.13E-03	5.47E-04	5.60E-04	1.11E-03	5.40E-04	5.53E-04	1.09E-03
3252 484863.09, 3847377.25	0.01297	0.01329	1.97E-03	2.10E-03	1.86E-03	1.90E-03	1.79E-03	5.22E-04	5.35E-04	1.06E-03	5.09E-04	5.22E-04	1.03E-03	5.03E-04	5.15E-04	1.02E-03
3253 485363.09, 3847377.25	0.01271	0.01288	1.93E-03	2.04E-03	1.82E-03	1.86E-03	1.76E-03	5.11E-04	5.18E-04	1.03E-03	4.99E-04	5.06E-04	1.00E-03	4.92E-04	4.99E-04	9.92E-04
3254 485863.09, 3847377.25	0.01257	0.01268	1.91E-03	2.01E-03	1.80E-03	1.84E-03	1.74E-03	5.06E-04	5.10E-04	1.02E-03	4.94E-04	4.98E-04	9.92E-04	4.87E-04	4.91E-04	9.78E-04
3255 486363.09, 3847377.25	0.01247	0.01256	1.89E-03	1.99E-03	1.79E-03	1.83E-03	1.72E-03	5.02E-04	5.05E-04	1.01E-03	4.90E-04	4.93E-04	9.83E-04	4.83E-04	4.87E-04	9.70E-04
3256 486863.09, 3847377.25	0.01119	0.01132	1.70E-03	1.79E-03	1.60E-03	1.64E-03	1.55E-03	4.50E-04	4.56E-04	9.06E-04	4.39E-04	4.45E-04	8.84E-04	4.34E-04	4.39E-04	8.72E-04
3257 487363.09, 3847377.25	0.01115	0.01128	1.69E-03	1.79E-03	1.60E-03	1.63E-03	1.54E-03	4.49E-04	4.54E-04	9.03E-04	4.38E-04	4.43E-04	8.81E-04	4.32E-04	4.37E-04	8.69E-04
3258 487863.09, 3847377.25	0.01028	0.01043	1.56E-03	1.65E-03	1.47E-03	1.51E-03	1.42E-03	4.14E-04	4.20E-04	8.33E-04	4.04E-04	4.10E-04	8.13E-04	3.98E-04	4.04E-04	8.02E-04
3259 488363.09, 3847377.25	0.00981	0.0099	1.49E-03	1.57E-03	1.40E-03	1.44E-03	1.36E-03	3.95E-04	3.98E-04	7.93E-04	3.85E-04	3.89E-04	7.74E-04	3.80E-04	3.84E-04	7.64E-04
3260 488863.09, 3847377.25	0.00964	0.00973	1.46E-03	1.54E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.92E-04	7.80E-04	3.79E-04	3.82E-04	7.61E-04	3.74E-04	3.77E-04	7.51E-04
3261 489363.09, 3847377.25	0.00946	0.00959	1.44E-03	1.52E-03	1.35E-03	1.39E-03	1.31E-03	3.81E-04	3.86E-04	7.67E-04	3.71E-04	3.77E-04	7.48E-04	3.67E-04	3.72E-04	7.38E-04
3262 489863.09, 3847377.25	0.00885	0.00891	1.34E-03	1.41E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.59E-04	7.15E-04	3.48E-04	3.50E-04	6.97E-04	3.43E-04	3.45E-04	6.88E-04
3263 490363.09, 3847377.25	0.00838	0.00844	1.27E-03	1.34E-03	1.20E-03	1.23E-03	1.16E-03	3.37E-04	3.40E-04	6.77E-04	3.29E-04	3.31E-04	6.61E-04	3.25E-04	3.27E-04	6.52E-04
3264 490863.09, 3847377.25	0.00817	0.00824	1.24E-03	1.30E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.32E-04	6.60E-04	3.21E-04	3.24E-04	6.44E-04	3.17E-04	3.19E-04	6.36E-04
3265 491363.09, 3847377.25	0.00785	0.00793	1.19E-03	1.26E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	3.19E-04	6.35E-04	3.08E-04	3.11E-04	6.20E-04	3.04E-04	3.07E-04	6.11E-04
3266 491863.09, 3847377.25	0.00812	0.00816	1.23E-03	1.29E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.28E-04	6.55E-04	3.19E-04	3.20E-04	6.39E-04	3.15E-04	3.16E-04	6.31E-04
3267 492363.09, 3847377.25	0.00771	0.00781	1.17E-03	1.24E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.14E-04	6.25E-04	3.03E-04	3.07E-04	6.09E-04	2.99E-04	3.03E-04	6.01E-04
3268 492863.09, 3847377.25	0.00776	0.00787	1.18E-03	1.25E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.17E-04	6.29E-04	3.05E-04	3.09E-04	6.14E-04	3.01E-04	3.05E-04	6.06E-04
3269 493363.09, 3847377.25	0.00771	0.00783	1.17E-03	1.24E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.15E-04	6.25E-04	3.03E-04	3.07E-04	6.10E-04	2.99E-04	3.03E-04	6.02E-04
3270 493863.09, 3847377.25	0.00749	0.00762	1.14E-03	1.21E-03	1.07E-03	1.10E-03	1.04E-03	3.01E-04	3.07E-04	6.08E-04	2.94E-04	2.99E-04	5.93E-04	2.90E-04	2.95E-04	5.85E-04
3271 494363.09, 3847377.25	0.00727	0.00747	1.10E-03	1.18E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	3.01E-04	5.93E-04	2.85E-04	2.93E-04	5.79E-04	2.82E-04	2.89E-04	5.71E-04
3272 494863.09, 3847377.25	0.00719	0.00737	1.09E-03	1.17E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	2.97E-04	5.86E-04	2.82E-04	2.89E-04	5.72E-04	2.79E-04	2.86E-04	5.64E-04
3273 495363.09, 3847377.25	0.00712	0.00728	1.08E-03	1.15E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.93E-04	5.80E-04	2.80E-04	2.86E-04	5.65E-04	2.76E-04	2.82E-04	5.58E-04
3274 495863.09, 3847377.25	0.00712	0.00727	1.08E-03	1.15E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.93E-04	5.79E-04	2.80E-04	2.85E-04	5.65E-04	2.76E-04	2.82E-04	5.58E-04
3275 496363.09, 3847377.25	0.00713	0.0073	1.08E-03	1.16E-03	1.02E-03	1.05E-03	9.86E-04	2.87E-04	2.94E-04	5.81E-04	2.80E-04	2.87E-04	5.67E-04	2.76E-04	2.83E-04	5.59E-04
3276 496863.09, 3847377.25	0.00727	0.00745	1.10E-03	1.18E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	3.00E-04	5.92E-04	2.85E-04	2.93E-04	5.78E-04	2.82E-04	2.89E-04	5.70E-04
3277 497363.09, 3847377.25	0.00774	0.00787	1.18E-03	1.25E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.17E-04	6.28E-04	3.04E-04	3.09E-04	6.13E-04	3.00E-04	3.05E-04	6.05E-04
3278 497863.09, 3847377.25	0.008	0.0081	1.22E-03	1.28E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	3.26E-04	6.48E-04	3.14E-04	3.18E-04	6.32E-04	3.10E-04	3.14E-04	6.24E-04
3279 498363.09, 3847377.25	0.00797	0.00806	1.21E-03	1.28E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.24E-04	6.45E-04	3.13E-04	3.17E-04	6.29E-04	3.09E-04	3.12E-04	6.21E-04
3280 471363.09, 3847877.25	0.04917	0.04984	7.47E-03	7.89E-03	7.04E-03	7.21E-03	6.80E-03	1.98E-03	2.01E-03	3.98E-03	1.93E-03	1.96E-03	3.89E-03	1.91E-03	1.93E-03	3.84E-03
3281 471863.09, 3847877.25	0.0599	0.06	9.10E-03	9.50E-03	8.58E-03	8.78E-03	8.28E-03	2.41E-03	2.41E-03	4.83E-03	2.35E-03	2.36E-03	4.71E-03	2.32E-03	2.32E-03	4.65E-03
3282 472363.09, 3847877.25	0.07539	0.07481	1.15E-02	1.18E-02	1.08E-02	1.11E-02	1.04E-02	3.03E-03	3.01E-03	6.04E-03	2.96E-03	2.94E-03	5.90E-03	2.92E-03	2.90E-03	5.82E-03
3283 472863.09, 3847877.25	0.09828	0.09929	1.49E-02	1.57E-02	1.41E-02	1.44E-02	1.36E-02	3.96E-03	4.00E-03	7.95E-03	3.86E-03	3.90E-03	7.76E-03	3.81E-03	3.85E-03	7.66E-03
3284 473363.09, 3847877.25	0.1635	0.16751	2.48E-02	2.65E-02	2.34E-02	2.40E-02	2.26E-02	6.58E-03	6.74E-03	1.33E-02	6.42E-03	6.58E-03	1.30E-02	6.34E-03	6.49E-03	1.28E-02
3285 473863.09, 3847877.25	1.10893	1.10924	1.69E-01	1.76E-01	1.59E-01	1.63E-01	1.53E-01	4.46E-02	4.46E-02	8.93E-02	4.35E-02	4.36E-02	8.71E-02	4.30E-02	4.30E-02	8.60E-02
3286 474363.09, 3847877.25	0.12533	0.12693	1.90E-02	2.01E-02	1.79E-02	1.84E-02	1.73E-02	5.04E-03	5.11E-03	1.02E-02	4.92E-03	4.98E-03	9.91E-03	4.86E-03	4.92E-03	9.77E-03
3287 474863.09, 3847877.25	0.1132	0.11457	1.72E-02	1.81E-02	1.62E-02	1.66E-02	1.57E-02	4.56E-03	4.61E-03	9.17E-03	4.45E-03	4.50E-03	8.94E-03	4.39E-03	4.44E-03	8.83E-03
3288 475363.09, 3847877.25	0.07806	0.07867	1.19E-02	1.25E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	3.17E-03	6.31E-03	3.07E-03	3.09E-03	6.15E-03	3.02E-03	3.05E-03	6.07E-03
3289 475863.09, 3847877.25	0.06344	0.06566	9.64E-03	1.04E-02	9.08E-03	9.30E-03	8.77E-03	2.55E-03	2.64E-03	5.20E-03	2.49E-03	2.58E-03	5.07E-03	2.46E-03	2.54E-03	5.00E-03
3290 476363.09, 3847877.25	0.07163	0.07348	1.09E-02	1.16E-02	1.03E-02	1.05E-02	9.91E-03	2.88E-03	2.96E-03	5.84E-03	2.81E-03	2.89E-03	5.70E-03	2.78E-03	2.85E-03	5.62E-03
3291 476863.09, 3847877.25	0.06568	0.06595	9.98E-03	1.04E-02	9.40E-03	9.63E-03	9.08E-03	2.64E-03	2.65E-03	5.30E-03	2.58E-03	2.59E-03	5.17E-03	2.55E-03	2.56E-03	5.10E-03
3292 477363.09, 3847877.25	0.0586	0.05836	8.90E-03	9.24E-03	8.39E-03	8.59E-03	8.10E-03	2.36E-03	2.35E-03	4.71E-03	2.30E-03	2.29E-03	4.59E-03	2.27E-03	2.26E-03	4.53E-03
3293 477863.09, 3847877.25	0.0525	0.05289	7.98E-03	8.37E-03	7.52E-03	7.70E-03	7.26E-03	2.11E-03	2.13E-03	4.24E-03	2.06E-03	2.08E-03	4.14E-03	2.03E-03	2.05E-03	4.08E-03
3294 478363.09, 3847877.25	0.04609	0.04657	7.00E-03	7.37E-03	6.60E-03	6.76E-03	6.37E-03	1.85E-03	1.87E-03	3.73E-03	1.81E-03	1.83E-03	3.64E-03	1.79E-03	1.80E-03	3.59E-03
3295 478863.09, 3847877.25	0.04287	0.04323	6.51E-03	6.84E-03	6.14E-03	6.29E-03	5.93E-03	1.73E-03	1.74E-03	3.46E-03	1.68E-03	1.70E-03	3.38E-03	1.66E-03	1.68E-03	3.34E-03
3296 479363.09, 3847877.25	0.03032	0.03063	4.61E-03	4.85E-03	4.34E-03	4.45E-03	4.19E-03	1.22E-03	1.23E-03	2.45E-03	1.19E-03	1.20E-03	2.39E-03	1.17E-03	1.19E-03	2.36E-03

3297 479863.09, 3847877.25	0.01831	0.01836	2.78E-03	2.91E-03	2.62E-03	2.68E-03	2.53E-03	7.37E-04	7.39E-04	1.48E-03	7.19E-04	7.21E-04	1.44E-03	7.09E-04	7.11E-04	1.42E-03
3298 480363.09, 3847877.25	0.01878	0.01884	2.85E-03	2.98E-03	2.69E-03	2.75E-03	2.60E-03	7.56E-04	7.58E-04	1.51E-03	7.37E-04	7.40E-04	1.48E-03	7.28E-04	7.30E-04	1.46E-03
3299 480863.09, 3847877.25	0.01682	0.01705	2.56E-03	2.70E-03	2.41E-03	2.47E-03	2.33E-03	6.77E-04	6.86E-04	1.36E-03	6.61E-04	6.70E-04	1.33E-03	6.52E-04	6.61E-04	1.31E-03
3300 481363.09, 3847877.25	0.01644	0.01662	2.50E-03	2.63E-03	2.35E-03	2.41E-03	2.27E-03	6.62E-04	6.69E-04	1.33E-03	6.46E-04	6.53E-04	1.30E-03	6.37E-04	6.44E-04	1.28E-03
3301 481863.09, 3847877.25	0.02071	0.02121	3.15E-03	3.36E-03	2.96E-03	3.04E-03	2.86E-03	8.33E-04	8.54E-04	1.69E-03	8.13E-04	8.33E-04	1.65E-03	8.02E-04	8.22E-04	1.62E-03
3302 482363.09, 3847877.25	0.01949	0.01985	2.96E-03	3.14E-03	2.79E-03	2.86E-03	2.70E-03	7.84E-04	7.99E-04	1.58E-03	7.65E-04	7.80E-04	1.54E-03	7.55E-04	7.69E-04	1.52E-03
3303 482863.09, 3847877.25	0.01763	0.0179	2.68E-03	2.83E-03	2.52E-03	2.59E-03	2.44E-03	7.09E-04	7.20E-04	1.43E-03	6.92E-04	7.03E-04	1.40E-03	6.83E-04	6.94E-04	1.38E-03
3304 483363.09, 3847877.25	0.01611	0.01646	2.45E-03	2.61E-03	2.31E-03	2.36E-03	2.23E-03	6.48E-04	6.62E-04	1.31E-03	6.33E-04	6.46E-04	1.28E-03	6.24E-04	6.38E-04	1.26E-03
3305 483863.09, 3847877.25	0.01563	0.01589	2.38E-03	2.52E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.39E-04	1.27E-03	6.14E-04	6.24E-04	1.24E-03	6.06E-04	6.16E-04	1.22E-03
3306 484363.09, 3847877.25	0.01584	0.01592	2.41E-03	2.52E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	6.41E-04	1.28E-03	6.22E-04	6.25E-04	1.25E-03	6.14E-04	6.17E-04	1.23E-03
3307 484863.09, 3847877.25	0.01528	0.01542	2.32E-03	2.44E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	6.21E-04	1.24E-03	6.00E-04	6.06E-04	1.21E-03	5.92E-04	5.98E-04	1.19E-03
3308 485363.09, 3847877.25	0.01497	0.01522	2.27E-03	2.41E-03	2.14E-03	2.20E-03	2.07E-03	6.02E-04	6.13E-04	1.21E-03	5.88E-04	5.98E-04	1.19E-03	5.80E-04	5.90E-04	1.17E-03
3309 485863.09, 3847877.25	0.01482	0.01499	2.25E-03	2.37E-03	2.12E-03	2.17E-03	2.05E-03	5.96E-04	6.03E-04	1.20E-03	5.82E-04	5.89E-04	1.17E-03	5.74E-04	5.81E-04	1.16E-03
3310 486363.09, 3847877.25	0.01383	0.01405	2.10E-03	2.22E-03	1.98E-03	2.03E-03	1.91E-03	5.57E-04	5.65E-04	1.12E-03	5.43E-04	5.52E-04	1.09E-03	5.36E-04	5.44E-04	1.08E-03
3311 486863.09, 3847877.25	0.01305	0.01311	1.98E-03	2.08E-03	1.87E-03	1.91E-03	1.80E-03	5.25E-04	5.28E-04	1.05E-03	5.12E-04	5.15E-04	1.03E-03	5.06E-04	5.08E-04	1.01E-03
3312 487363.09, 3847877.25	0.01249	0.01264	1.90E-03	2.00E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	5.09E-04	1.01E-03	4.90E-04	4.96E-04	9.87E-04	4.84E-04	4.90E-04	9.74E-04
3313 487863.09, 3847877.25	0.01179	0.01192	1.79E-03	1.89E-03	1.69E-03	1.73E-03	1.63E-03	4.74E-04	4.80E-04	9.54E-04	4.63E-04	4.68E-04	9.31E-04	4.57E-04	4.62E-04	9.19E-04
3314 488363.09, 3847877.25	0.01112	0.01138	1.69E-03	1.80E-03	1.59E-03	1.63E-03	1.54E-03	4.48E-04	4.58E-04	9.05E-04	4.37E-04	4.47E-04	8.84E-04	4.31E-04	4.41E-04	8.72E-04
3315 488863.09, 3847877.25	0.0108	0.01088	1.64E-03	1.72E-03	1.55E-03	1.58E-03	1.49E-03	4.35E-04	4.38E-04	8.72E-04	4.24E-04	4.27E-04	8.51E-04	4.18E-04	4.22E-04	8.40E-04
3316 489363.09, 3847877.25	0.01049	0.01061	1.59E-03	1.68E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	4.27E-04	8.49E-04	4.12E-04	4.17E-04	8.29E-04	4.06E-04	4.11E-04	8.18E-04
3317 489863.09, 3847877.25	0.01046	0.01068	1.59E-03	1.69E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	4.30E-04	8.51E-04	4.11E-04	4.19E-04	8.30E-04	4.05E-04	4.14E-04	8.19E-04
3318 490363.09, 3847877.25	0.01013	0.01033	1.54E-03	1.64E-03	1.45E-03	1.49E-03	1.40E-03	4.08E-04	4.16E-04	8.23E-04	3.98E-04	4.06E-04	8.03E-04	3.93E-04	4.00E-04	7.93E-04
3319 490863.09, 3847877.25	0.00975	0.00985	1.48E-03	1.56E-03	1.40E-03	1.43E-03	1.35E-03	3.92E-04	3.96E-04	7.89E-04	3.83E-04	3.87E-04	7.70E-04	3.78E-04	3.82E-04	7.59E-04
3320 491363.09, 3847877.25	0.00907	0.0091	1.38E-03	1.44E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.66E-04	7.31E-04	3.56E-04	3.57E-04	7.14E-04	3.51E-04	3.53E-04	7.04E-04
3321 491863.09, 3847877.25	0.00885	0.00893	1.34E-03	1.41E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.59E-04	7.16E-04	3.48E-04	3.51E-04	6.98E-04	3.43E-04	3.46E-04	6.89E-04
3322 492363.09, 3847877.25	0.00873	0.00882	1.33E-03	1.40E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	3.55E-04	7.06E-04	3.43E-04	3.46E-04	6.89E-04	3.38E-04	3.42E-04	6.80E-04
3323 492863.09, 3847877.25	0.00854	0.00864	1.30E-03	1.37E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.48E-04	6.91E-04	3.35E-04	3.39E-04	6.75E-04	3.31E-04	3.35E-04	6.66E-04
3324 493363.09, 3847877.25	0.00787	0.00801	1.20E-03	1.27E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.22E-04	6.39E-04	3.09E-04	3.15E-04	6.24E-04	3.05E-04	3.10E-04	6.15E-04
3325 493863.09, 3847877.25	0.00756	0.00769	1.15E-03	1.22E-03	1.08E-03	1.11E-03	1.05E-03	3.04E-04	3.09E-04	6.14E-04	2.97E-04	3.02E-04	5.99E-04	2.93E-04	2.98E-04	5.91E-04
3326 494363.09, 3847877.25	0.00732	0.00746	1.11E-03	1.18E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	3.00E-04	5.95E-04	2.87E-04	2.93E-04	5.80E-04	2.84E-04	2.89E-04	5.73E-04
3327 494863.09, 3847877.25	0.00722	0.00738	1.10E-03	1.17E-03	1.03E-03	1.06E-03	9.99E-04	2.91E-04	2.97E-04	5.88E-04	2.84E-04	2.90E-04	5.73E-04	2.80E-04	2.86E-04	5.66E-04
3328 495363.09, 3847877.25	0.00702	0.00718	1.07E-03	1.14E-03	1.00E-03	1.03E-03	9.71E-04	2.83E-04	2.89E-04	5.71E-04	2.76E-04	2.82E-04	5.58E-04	2.72E-04	2.78E-04	5.50E-04
3329 495863.09, 3847877.25	0.00649	0.00655	9.86E-04	1.04E-03	9.29E-04	9.52E-04	8.98E-04	2.61E-04	2.64E-04	5.25E-04	2.55E-04	2.57E-04	5.12E-04	2.51E-04	2.54E-04	5.05E-04
3330 496363.09, 3847877.25	0.00697	0.00707	1.06E-03	1.12E-03	9.98E-04	1.02E-03	9.64E-04	2.80E-04	2.85E-04	5.65E-04	2.74E-04	2.78E-04	5.51E-04	2.70E-04	2.74E-04	5.44E-04
3331 496863.09, 3847877.25	0.00718	0.0073	1.09E-03	1.16E-03	1.03E-03	1.05E-03	9.93E-04	2.89E-04	2.94E-04	5.83E-04	2.82E-04	2.87E-04	5.69E-04	2.78E-04	2.83E-04	5.61E-04
3332 497363.09, 3847877.25	0.00744	0.00755	1.13E-03	1.20E-03	1.07E-03	1.09E-03	1.03E-03	2.99E-04	3.04E-04	6.03E-04	2.92E-04	2.96E-04	5.89E-04	2.88E-04	2.93E-04	5.81E-04
3333 497863.09, 3847877.25	0.00812	0.0082	1.23E-03	1.30E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.30E-04	6.57E-04	3.19E-04	3.22E-04	6.41E-04	3.15E-04	3.18E-04	6.32E-04
3334 498363.09, 3847877.25	0.00825	0.00839	1.25E-03	1.33E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.38E-04	6.70E-04	3.24E-04	3.29E-04	6.53E-04	3.20E-04	3.25E-04	6.45E-04
3335 471363.09, 3848377.25	0.04376	0.04402	6.65E-03	6.97E-03	6.26E-03	6.42E-03	6.05E-03	1.76E-03	1.77E-03	3.53E-03	1.72E-03	1.73E-03	3.45E-03	1.70E-03	1.71E-03	3.40E-03
3336 471863.09, 3848377.25	0.04812	0.04846	7.31E-03	7.67E-03	6.89E-03	7.06E-03	6.66E-03	1.94E-03	1.95E-03	3.89E-03	1.89E-03	1.90E-03	3.79E-03	1.86E-03	1.88E-03	3.74E-03
3337 472363.09, 3848377.25	0.05557	0.05495	8.44E-03	8.70E-03	7.96E-03	8.15E-03	7.69E-03	2.24E-03	2.21E-03	4.45E-03	2.18E-03	2.16E-03	4.34E-03	2.15E-03	2.13E-03	4.28E-03
3338 472863.09, 3848377.25	0.06795	0.06493	1.03E-02	1.03E-02	9.73E-03	9.96E-03	9.40E-03	2.73E-03	2.61E-03	5.35E-03	2.67E-03	2.55E-03	5.22E-03	2.63E-03	2.52E-03	5.15E-03
3339 473363.09, 3848377.25	0.08872	0.09058	1.35E-02	1.43E-02	1.27E-02	1.30E-02	1.23E-02	3.57E-03	3.65E-03	7.22E-03	3.48E-03	3.56E-03	7.04E-03	3.44E-03	3.51E-03	6.95E-03
3340 473863.09, 3848377.25	0.12475	0.1262	1.90E-02	2.00E-02	1.79E-02	1.83E-02	1.73E-02	5.02E-03	5.08E-03	1.01E-02	4.90E-03	4.96E-03	9.85E-03	4.83E-03	4.89E-03	9.72E-03
3341 474363.09, 3848377.25	0.38618	0.38998	5.87E-02	6.17E-02	5.53E-02	5.66E-02	5.34E-02	1.55E-02	1.57E-02	3.12E-02	1.52E-02	1.53E-02	3.05E-02	1.50E-02	1.51E-02	3.01E-02
3342 474863.09, 3848377.25	0.15921	0.16041	2.42E-02	2.54E-02	2.28E-02	2.33E-02	2.20E-02	6.41E-03	6.46E-03	1.29E-02	6.25E-03	6.30E-03	1.26E-02	6.17E-03	6.22E-03	1.24E-02
3343 475363.09, 3848377.25	0.14228	0.14336	2.16E-02	2.27E-02	2.04E-02	2.09E-02	1.97E-02	5.73E-03	5.77E-03	1.15E-02	5.59E-03	5.63E-03	1.12E-02	5.51E-03	5.55E-03	1.11E-02
3344 475863.09, 3848377.25	0.0936	0.09372	1.42E-02	1.48E-02	1.34E-02	1.37E-02	1.29E-02	3.77E-03	3.77E-03	7.54E-03	3.68E-03	3.68E-03	7.36E-03	3.63E-03	3.63E-03	7.26E-03
3345 476363.09, 3848377.25	0.06901	0.06981	1.05E-02	1.11E-02	9.88E-03	1.01E-02	9.54E-03	2.78E-03	2.81E-03	5.59E-03	2.71E-03	2.74E-03	5.45E-03	2.67E-03	2.71E-03	5.38E-03
3346 476863.09, 3848377.25	0.08281	0.08393	1.26E-02	1.33E-02	1.19E-02	1.21E-02	1.15E-02	3.33E-03	3.38E-03	6.71E-03	3.25E-03	3.30E-03	6.55E-03	3.21E-03	3.25E-03	6.46E-03
3347 477363.09, 3848377.25	0.0719	0.07306	1.09E-02	1.16E-02	1.03E-02	1.05E-02	9.94E-03	2.89E-03	2.94E-03	5.83E-03	2.82E-03	2.87E-03	5.69E-03	2.79E-03	2.83E-03	5.62E-03
3348 477863.09, 3848377.25	0.06718	0.06518	1.02E-02	1.03E-02	9.62E-03	9.85E-03	9.29E-03	2.70E-03	2.62E-03	5.33E-03	2.64E-03	2.56E-03	5.20E-03	2.60E-03	2.53E-03	5.13E-03
3349 478363.09, 3848377.25	0.05929	0.06031	9.01E-03	9.55E-03	8.49E-03	8.69E-03	8.20E-03	2.39E-03	2.43E-03	4.81E-03	2.33E-03	2.37E-03	4.70E-03	2.30E-03	2.34E-03	4.63E-03
3350 478863.09, 3848377.25	0.05072	0.05159	7.71E-03	8.17E-03	7.26E-03	7.44E-03	7.01E-03	2.04E-03	2.08E-03	4.12E-03	1.99E-03	2.03E-03	4.02E-03	1.97E-03	2.00E-03	3.96E-03
3351 479363.09, 3848377.25	0.0373	0.03787	5.67E-03	6.00E-03	5.34E-03	5.47E-03	5.16E-03	1.50E-03	1.52E-03	3.03E-03	1.46E-03	1.49E-03	2.95E-03	1.45E-03	1.47E-03	2.91E-03
3352 479863.09, 3848377.25	0.01677	0.01713	2.55E-03	2.71E-03	2.40E-03	2.46E-03	2.32E-03	6.75E-04	6.89E-04	1.36E-03	6.59E-04	6.73E-04	1.33E-03	6.50E-04	6.64E-04	1.31E-03
3353 480363.09, 3848377.25	0.0209	0.02109	3.18E-03	3.34E-03	2.99E-03	3.06E-03	2.89E-03	8.41E-04	8.49E-04	1.69E-03	8.21E-04	8.28E-04	1.65E-03	8.10E-04	8.17E-04	1.63E-03
3354 480863.09, 3848377.25	0.0262	0.02682	3.98E-03	4.25E-03	3.75E-03	3.84E-03	3.62E-03	1.05E-03	1.08E-03	2.13E-03	1.03E-03	1.05E-03	2.08E-03	1.02E-03	1.04E-03	2.05E-03
3355 481363.09, 3848377.25	0.02491	0.02543	3.79E-03	4.03E-03	3.57E-03	3.65E-03	3.45E-03	1.00E-03	1.02E-03	2.03E-03	9.78E-04	9.99E-04	1.98E-03	9.65E-04	9.85E-04	1.95E-03
3356 481863.09, 3848377.25	0.02449	0.02486	3.72E-03	3.94E-03	3.51E-03	3.59E-03	3.39E-03	9.86E-04	1.00E-03	1.99E-03	9.62E-04	9.76E-04	1.94E-03	9.49E-04	9.63E-04	1.91E-03
3357 482363.09, 3848377.25	0.02361	0.0241	3.59E-03	3.82E-03	3.38E-03	3.46E-03	3.27E-03	9.50E-04	9.70E-04	1.92E-03	9.27E-04	9.46E-04	1.87E-03	9.15E-04	9.34E-04	1.85E-03
3358 482863.09, 3848377.25	0.02108	0.02141	3.20E-03	3.39E-03	3.02E-03	3.09E-03	2.92E-03	8.48E-04	8.62E-04	1.71E-03	8.28E-04	8.41E-04	1.67E-03	8.17E-04	8.30E-04	1.65E-03
3359 483363.09, 3848377.25	0.01952	0.01982	2.97E-03	3.14E-03	2.79E-03	2.86E-03	2.70E-03	7.86E-04	7.98E-04	1.58E-03	7.67E-04	7.78E-04	1.54E-03	7.56E-04	7.68E-04	1.52E-03
3360 483863.09, 3848377.25	0.01825	0.01844	2.77E-03	2.92E-03	2.61E-03	2.68E-03	2.52E-03	7.34E-04	7.42E-04	1.48E-03	7.17E-04	7.24E-04	1.44E-03	7.07E-04	7.15E-04	1.42E-03
3361 484363.09, 3848377.25	0.01789	0.01796	2.72E-03	2.84E-03	2.56E-03	2.62E-03	2.47E-03	7.20E-04	7.23E-04	1.44E-03	7.03E-04	7.05E-04	1.41E-03	6.93E-04	6.96E-04	1.39E-03
3362 484863.09, 3848377.25	0.01798	0.01847	2.73E-03	2.92E-03	2.57E-03	2.64E-03	2.49E-03	7.24E-04	7.43E-04	1.47E-03	7.06E-04	7.25E-04	1.43E-03	6.97E-04	7.16E-04	1.41E-03

3363 485363.09, 3848377.25	0.01736	0.01784	2.64E-03	2.82E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.18E-04	1.42E-03	6.82E-04	7.01E-04	1.38E-03	6.73E-04	6.91E-04	1.36E-03
3364 485863.09, 3848377.25	0.01713	0.01722	2.60E-03	2.73E-03	2.45E-03	2.51E-03	2.37E-03	6.89E-04	6.93E-04	1.38E-03	6.73E-04	6.76E-04	1.35E-03	6.64E-04	6.67E-04	1.33E-03
3365 486363.09, 3848377.25	0.01617	0.01633	2.46E-03	2.59E-03	2.31E-03	2.37E-03	2.24E-03	6.51E-04	6.57E-04	1.31E-03	6.35E-04	6.41E-04	1.28E-03	6.27E-04	6.33E-04	1.26E-03
3366 486863.09, 3848377.25	0.0147	0.01508	2.23E-03	2.39E-03	2.10E-03	2.16E-03	2.03E-03	5.92E-04	6.07E-04	1.20E-03	5.77E-04	5.92E-04	1.17E-03	5.70E-04	5.84E-04	1.15E-03
3367 487363.09, 3848377.25	0.01348	0.01373	2.05E-03	2.17E-03	1.93E-03	1.98E-03	1.86E-03	5.42E-04	5.53E-04	1.10E-03	5.29E-04	5.39E-04	1.07E-03	5.22E-04	5.32E-04	1.05E-03
3368 487863.09, 3848377.25	0.01305	0.01319	1.98E-03	2.09E-03	1.87E-03	1.91E-03	1.80E-03	5.25E-04	5.31E-04	1.06E-03	5.12E-04	5.18E-04	1.03E-03	5.06E-04	5.11E-04	1.02E-03
3369 488363.09, 3848377.25	0.01237	0.01256	1.88E-03	1.99E-03	1.77E-03	1.81E-03	1.71E-03	4.98E-04	5.05E-04	1.00E-03	4.86E-04	4.93E-04	9.79E-04	4.79E-04	4.87E-04	9.66E-04
3370 488863.09, 3848377.25	0.01183	0.01224	1.80E-03	1.94E-03	1.69E-03	1.73E-03	1.64E-03	4.76E-04	4.93E-04	9.69E-04	4.65E-04	4.81E-04	9.45E-04	4.58E-04	4.74E-04	9.33E-04
3371 489363.09, 3848377.25	0.01165	0.01194	1.77E-03	1.89E-03	1.67E-03	1.71E-03	1.61E-03	4.69E-04	4.81E-04	9.49E-04	4.57E-04	4.69E-04	9.26E-04	4.51E-04	4.63E-04	9.14E-04
3372 489863.09, 3848377.25	0.01179	0.01197	1.79E-03	1.90E-03	1.69E-03	1.73E-03	1.63E-03	4.74E-04	4.82E-04	9.56E-04	4.63E-04	4.70E-04	9.33E-04	4.57E-04	4.64E-04	9.21E-04
3373 490363.09, 3848377.25	0.01139	0.01152	1.73E-03	1.82E-03	1.63E-03	1.67E-03	1.58E-03	4.58E-04	4.64E-04	9.22E-04	4.47E-04	4.52E-04	9.00E-04	4.41E-04	4.46E-04	8.88E-04
3374 490863.09, 3848377.25	0.01063	0.01074	1.62E-03	1.70E-03	1.52E-03	1.56E-03	1.47E-03	4.28E-04	4.32E-04	8.60E-04	4.17E-04	4.22E-04	8.39E-04	4.12E-04	4.16E-04	8.28E-04
3375 491363.09, 3848377.25	0.01007	0.01018	1.53E-03	1.61E-03	1.44E-03	1.48E-03	1.39E-03	4.05E-04	4.10E-04	8.15E-04	3.95E-04	4.00E-04	7.95E-04	3.90E-04	3.94E-04	7.85E-04
3376 491863.09, 3848377.25	0.00958	0.00972	1.46E-03	1.54E-03	1.37E-03	1.40E-03	1.32E-03	3.86E-04	3.91E-04	7.77E-04	3.76E-04	3.82E-04	7.58E-04	3.71E-04	3.77E-04	7.48E-04
3377 492363.09, 3848377.25	0.00891	0.00902	1.35E-03	1.43E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	3.63E-04	7.22E-04	3.50E-04	3.54E-04	7.04E-04	3.45E-04	3.50E-04	6.95E-04
3378 492863.09, 3848377.25	0.00824	0.00835	1.25E-03	1.32E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.36E-04	6.68E-04	3.24E-04	3.28E-04	6.51E-04	3.19E-04	3.24E-04	6.43E-04
3379 493363.09, 3848377.25	0.00786	0.00802	1.19E-03	1.27E-03	1.13E-03	1.15E-03	1.09E-03	3.16E-04	3.23E-04	6.39E-04	3.09E-04	3.15E-04	6.24E-04	3.05E-04	3.11E-04	6.15E-04
3380 493863.09, 3848377.25	0.00741	0.00756	1.13E-03	1.20E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	3.04E-04	6.02E-04	2.91E-04	2.97E-04	5.88E-04	2.87E-04	2.93E-04	5.80E-04
3381 494363.09, 3848377.25	0.00705	0.00712	1.07E-03	1.13E-03	1.01E-03	1.03E-03	9.75E-04	2.84E-04	2.87E-04	5.70E-04	2.77E-04	2.80E-04	5.56E-04	2.73E-04	2.76E-04	5.49E-04
3382 494863.09, 3848377.25	0.007	0.00707	1.06E-03	1.12E-03	1.00E-03	1.03E-03	9.68E-04	2.82E-04	2.85E-04	5.66E-04	2.75E-04	2.78E-04	5.53E-04	2.71E-04	2.74E-04	5.45E-04
3383 495363.09, 3848377.25	0.00666	0.00672	1.01E-03	1.06E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.70E-04	5.38E-04	2.62E-04	2.64E-04	5.25E-04	2.58E-04	2.60E-04	5.18E-04
3384 495863.09, 3848377.25	0.00655	0.00661	9.95E-04	1.05E-03	9.38E-04	9.60E-04	9.06E-04	2.64E-04	2.66E-04	5.30E-04	2.57E-04	2.60E-04	5.17E-04	2.54E-04	2.56E-04	5.10E-04
3385 496363.09, 3848377.25	0.00666	0.00674	1.01E-03	1.07E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.71E-04	5.39E-04	2.62E-04	2.65E-04	5.26E-04	2.58E-04	2.61E-04	5.19E-04
3386 496863.09, 3848377.25	0.00655	0.00662	9.95E-04	1.05E-03	9.38E-04	9.60E-04	9.06E-04	2.64E-04	2.66E-04	5.30E-04	2.57E-04	2.60E-04	5.17E-04	2.54E-04	2.57E-04	5.10E-04
3387 497363.09, 3848377.25	0.00702	0.00713	1.07E-03	1.13E-03	1.00E-03	1.03E-03	9.71E-04	2.83E-04	2.87E-04	5.69E-04	2.76E-04	2.80E-04	5.56E-04	2.72E-04	2.76E-04	5.48E-04
3388 497863.09, 3848377.25	0.00863	0.00887	1.31E-03	1.40E-03	1.24E-03	1.27E-03	1.19E-03	3.47E-04	3.57E-04	7.04E-04	3.39E-04	3.48E-04	6.87E-04	3.34E-04	3.44E-04	6.78E-04
3389 498363.09, 3848377.25	0.00862	0.00888	1.31E-03	1.41E-03	1.23E-03	1.26E-03	1.19E-03	3.47E-04	3.57E-04	7.04E-04	3.39E-04	3.49E-04	6.87E-04	3.34E-04	3.44E-04	6.78E-04
3390 471363.09, 3848877.25	0.03804	0.03837	5.78E-03	6.08E-03	5.45E-03	5.58E-03	5.26E-03	1.53E-03	1.54E-03	3.07E-03	1.49E-03	1.51E-03	3.00E-03	1.47E-03	1.49E-03	2.96E-03
3391 471863.09, 3848877.25	0.04132	0.04161	6.28E-03	6.59E-03	5.92E-03	6.06E-03	5.71E-03	1.66E-03	1.67E-03	3.34E-03	1.62E-03	1.63E-03	3.26E-03	1.60E-03	1.61E-03	3.21E-03
3392 472363.09, 3848877.25	0.04642	0.04589	7.05E-03	7.27E-03	6.65E-03	6.81E-03	6.42E-03	1.87E-03	1.85E-03	3.71E-03	1.82E-03	1.80E-03	3.62E-03	1.80E-03	1.78E-03	3.58E-03
3393 472863.09, 3848877.25	0.05241	0.05275	7.96E-03	8.35E-03	7.50E-03	7.68E-03	7.25E-03	2.11E-03	2.12E-03	4.23E-03	2.06E-03	2.07E-03	4.13E-03	2.03E-03	2.04E-03	4.07E-03
3394 473363.09, 3848877.25	0.06321	0.06081	9.60E-03	9.63E-03	9.05E-03	9.27E-03	8.74E-03	2.54E-03	2.45E-03	4.99E-03	2.48E-03	2.39E-03	4.87E-03	2.45E-03	2.36E-03	4.81E-03
3395 473863.09, 3848877.25	0.07826	0.07567	1.19E-02	1.20E-02	1.12E-02	1.15E-02	1.08E-02	3.15E-03	3.05E-03	6.19E-03	3.07E-03	2.97E-03	6.04E-03	3.03E-03	2.93E-03	5.96E-03
3396 474363.09, 3848877.25	0.10177	0.10263	1.55E-02	1.62E-02	1.46E-02	1.49E-02	1.41E-02	4.10E-03	4.13E-03	8.23E-03	4.00E-03	4.03E-03	8.03E-03	3.94E-03	3.98E-03	7.92E-03
3397 474863.09, 3848877.25	0.28803	0.29062	4.38E-02	4.60E-02	4.12E-02	4.22E-02	3.98E-02	1.16E-02	1.17E-02	2.33E-02	1.13E-02	1.14E-02	2.27E-02	1.12E-02	1.13E-02	2.24E-02
3398 475363.09, 3848877.25	0.31065	0.31329	4.72E-02	4.96E-02	4.45E-02	4.55E-02	4.30E-02	1.25E-02	1.26E-02	2.51E-02	1.22E-02	1.23E-02	2.45E-02	1.20E-02	1.21E-02	2.42E-02
3399 475863.09, 3848877.25	0.1923	0.19376	2.92E-02	3.07E-02	2.75E-02	2.82E-02	2.66E-02	7.74E-03	7.80E-03	1.55E-02	7.55E-03	7.61E-03	1.52E-02	7.45E-03	7.51E-03	1.50E-02
3400 476363.09, 3848877.25	0.13538	0.13647	2.06E-02	2.16E-02	1.94E-02	1.99E-02	1.87E-02	5.45E-03	5.49E-03	1.09E-02	5.32E-03	5.36E-03	1.07E-02	5.25E-03	5.29E-03	1.05E-02
3401 476863.09, 3848877.25	0.1056	0.10696	1.60E-02	1.69E-02	1.51E-02	1.55E-02	1.46E-02	4.25E-03	4.30E-03	8.55E-03	4.15E-03	4.20E-03	8.35E-03	4.09E-03	4.14E-03	8.24E-03
3402 477363.09, 3848877.25	0.11286	0.11526	1.71E-02	1.82E-02	1.62E-02	1.65E-02	1.56E-02	4.54E-03	4.64E-03	9.18E-03	4.43E-03	4.53E-03	8.96E-03	4.37E-03	4.47E-03	8.84E-03
3403 477863.09, 3848877.25	0.09657	0.09883	1.47E-02	1.56E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	3.98E-03	7.86E-03	3.79E-03	3.88E-03	7.67E-03	3.74E-03	3.83E-03	7.57E-03
3404 478363.09, 3848877.25	0.08287	0.07957	1.26E-02	1.26E-02	1.19E-02	1.22E-02	1.15E-02	3.33E-03	3.20E-03	6.54E-03	3.25E-03	3.12E-03	6.38E-03	3.21E-03	3.08E-03	6.29E-03
3405 478863.09, 3848877.25	0.06479	0.06608	9.84E-03	1.05E-02	9.28E-03	9.50E-03	8.96E-03	2.61E-03	2.66E-03	5.27E-03	2.54E-03	2.59E-03	5.14E-03	2.51E-03	2.56E-03	5.07E-03
3406 479363.09, 3848877.25	0.05171	0.05357	7.86E-03	8.48E-03	7.40E-03	7.58E-03	7.15E-03	2.08E-03	2.16E-03	4.24E-03	2.03E-03	2.10E-03	4.13E-03	2.00E-03	2.08E-03	4.08E-03
3407 479863.09, 3848877.25	0.03843	0.04161	5.84E-03	6.59E-03	5.50E-03	5.63E-03	5.32E-03	1.55E-03	1.67E-03	3.22E-03	1.51E-03	1.63E-03	3.14E-03	1.49E-03	1.61E-03	3.10E-03
3408 480363.09, 3848877.25	0.03658	0.03695	5.56E-03	5.85E-03	5.24E-03	5.36E-03	5.06E-03	1.47E-03	1.49E-03	2.96E-03	1.44E-03	1.45E-03	2.89E-03	1.42E-03	1.43E-03	2.85E-03
3409 480863.09, 3848877.25	0.03526	0.03575	5.36E-03	5.66E-03	5.05E-03	5.17E-03	4.88E-03	1.42E-03	1.44E-03	2.86E-03	1.38E-03	1.40E-03	2.79E-03	1.37E-03	1.39E-03	2.75E-03
3410 481363.09, 3848877.25	0.033	0.03249	5.01E-03	5.14E-03	4.72E-03	4.84E-03	4.56E-03	1.33E-03	1.31E-03	2.64E-03	1.30E-03	1.28E-03	2.57E-03	1.28E-03	1.26E-03	2.54E-03
3411 481863.09, 3848877.25	0.02791	0.02867	4.24E-03	4.54E-03	4.00E-03	4.09E-03	3.86E-03	1.12E-03	1.15E-03	2.28E-03	1.10E-03	1.13E-03	2.22E-03	1.08E-03	1.11E-03	2.19E-03
3412 482363.09, 3848877.25	0.02326	0.02414	3.53E-03	3.82E-03	3.33E-03	3.41E-03	3.22E-03	9.36E-04	9.71E-04	1.91E-03	9.13E-04	9.48E-04	1.86E-03	9.01E-04	9.35E-04	1.84E-03
3413 482863.09, 3848877.25	0.02089	0.02096	3.17E-03	3.32E-03	2.99E-03	3.06E-03	2.89E-03	8.41E-04	8.43E-04	1.68E-03	8.20E-04	8.23E-04	1.64E-03	8.09E-04	8.12E-04	1.62E-03
3414 483363.09, 3848877.25	0.01865	0.01877	2.83E-03	2.97E-03	2.67E-03	2.73E-03	2.58E-03	7.51E-04	7.55E-04	1.51E-03	7.32E-04	7.37E-04	1.47E-03	7.23E-04	7.27E-04	1.45E-03
3415 483863.09, 3848877.25	0.01763	0.01777	2.68E-03	2.81E-03	2.52E-03	2.59E-03	2.44E-03	7.09E-04	7.15E-04	1.42E-03	6.92E-04	6.98E-04	1.39E-03	6.83E-04	6.89E-04	1.37E-03
3416 484363.09, 3848877.25	0.01975	0.02034	3.00E-03	3.22E-03	2.83E-03	2.90E-03	2.73E-03	7.95E-04	8.19E-04	1.61E-03	7.76E-04	7.99E-04	1.57E-03	7.65E-04	7.88E-04	1.55E-03
3417 484863.09, 3848877.25	0.02035	0.02078	3.09E-03	3.29E-03	2.91E-03	2.98E-03	2.81E-03	8.19E-04	8.36E-04	1.66E-03	7.99E-04	8.16E-04	1.62E-03	7.89E-04	8.05E-04	1.59E-03
3418 485363.09, 3848877.25	0.01967	0.02012	2.99E-03	3.19E-03	2.82E-03	2.88E-03	2.72E-03	7.92E-04	8.10E-04	1.60E-03	7.72E-04	7.90E-04	1.56E-03	7.62E-04	7.80E-04	1.54E-03
3419 485863.09, 3848877.25	0.01916	0.01924	2.91E-03	3.05E-03	2.74E-03	2.81E-03	2.65E-03	7.71E-04	7.74E-04	1.55E-03	7.52E-04	7.56E-04	1.51E-03	7.42E-04	7.46E-04	1.49E-03
3420 486363.09, 3848877.25	0.01824	0.01817	2.77E-03	2.88E-03	2.61E-03	2.67E-03	2.52E-03	7.34E-04	7.31E-04	1.47E-03	7.16E-04	7.14E-04	1.43E-03	7.07E-04	7.04E-04	1.41E-03
3421 486863.09, 3848877.25	0.01633	0.01644	2.48E-03	2.60E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	6.62E-04	1.32E-03	6.41E-04	6.46E-04	1.29E-03	6.33E-04	6.37E-04	1.27E-03
3422 487363.09, 3848877.25	0.01584	0.01594	2.41E-03	2.52E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	6.41E-04	1.28E-03	6.22E-04	6.26E-04	1.25E-03	6.14E-04	6.18E-04	1.23E-03
3423 487863.09, 3848877.25	0.01485	0.01501	2.26E-03	2.38E-03	2.13E-03	2.18E-03	2.05E-03	5.98E-04	6.04E-04	1.20E-03	5.83E-04	5.89E-04	1.17E-03	5.75E-04	5.82E-04	1.16E-03
3424 488363.09, 3848877.25	0.01432	0.01446	2.18E-03	2.29E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	5.82E-04	1.16E-03	5.62E-04	5.68E-04	1.13E-03	5.55E-04	5.60E-04	1.12E-03
3425 488863.09, 3848877.25	0.01355	0.01384	2.06E-03	2.19E-03	1.94E-03	1.99E-03	1.87E-03	5.45E-04	5.57E-04	1.10E-03	5.32E-04	5.43E-04	1.08E-03	5.25E-04	5.36E-04	1.06E-03
3426 489363.09, 3848877.25	0.01311	0.01338	1.99E-03	2.12E-03	1.88E-03	1.92E-03	1.81E-03	5.28E-04	5.38E-04	1.07E-03	5.15E-04	5.25E-04	1.04E-03	5.08E-04	5.18E-04	1.03E-03
3427 489863.09, 3848877.25	0.01284	0.01301	1.95E-03	2.06E-03	1.84E-03	1.88E-03	1.78E-03	5.17E-04	5.24E-04	1.04E-03	5.04E-04	5.11E-04	1.02E-03	4.98E-04	5.04E-04	1.00E-03
3428 490363.09, 3848877.25	0.01177	0.01188	1.79E-03	1.88E-03	1.68E-03	1.73E-03	1.63E-03	4.74E-04	4.78E-04	9.52E-04	4.62E-04	4.67E-04	9.29E-04	4.56E-04	4.60E-04	9.16E-04

3429 490863.09, 3848877.25	0.01096	0.01112	1.67E-03	1.76E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	4.48E-04	8.89E-04	4.30E-04	4.37E-04	8.67E-04	4.25E-04	4.31E-04	8.56E-04
3430 491363.09, 3848877.25	0.01044	0.01061	1.59E-03	1.68E-03	1.49E-03	1.53E-03	1.44E-03	4.20E-04	4.27E-04	8.47E-04	4.10E-04	4.17E-04	8.27E-04	4.05E-04	4.11E-04	8.16E-04
3431 491863.09, 3848877.25	0.00966	0.00975	1.47E-03	1.54E-03	1.38E-03	1.42E-03	1.34E-03	3.89E-04	3.92E-04	7.81E-04	3.79E-04	3.83E-04	7.62E-04	3.74E-04	3.78E-04	7.52E-04
3432 492363.09, 3848877.25	0.00899	0.00908	1.37E-03	1.44E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	3.65E-04	7.27E-04	3.53E-04	3.57E-04	7.10E-04	3.48E-04	3.52E-04	7.00E-04
3433 492863.09, 3848877.25	0.00808	0.00826	1.23E-03	1.31E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.32E-04	6.58E-04	3.17E-04	3.24E-04	6.42E-04	3.13E-04	3.20E-04	6.33E-04
3434 493363.09, 3848877.25	0.00728	0.00737	1.11E-03	1.17E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.97E-04	5.90E-04	2.86E-04	2.89E-04	5.75E-04	2.82E-04	2.86E-04	5.68E-04
3435 493863.09, 3848877.25	0.00726	0.00733	1.10E-03	1.16E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.95E-04	5.87E-04	2.85E-04	2.88E-04	5.73E-04	2.81E-04	2.84E-04	5.65E-04
3436 494363.09, 3848877.25	0.00706	0.00713	1.07E-03	1.13E-03	1.01E-03	1.04E-03	9.76E-04	2.84E-04	2.87E-04	5.71E-04	2.77E-04	2.80E-04	5.57E-04	2.74E-04	2.76E-04	5.50E-04
3437 494863.09, 3848877.25	0.00707	0.00716	1.07E-03	1.13E-03	1.01E-03	1.04E-03	9.78E-04	2.85E-04	2.88E-04	5.73E-04	2.78E-04	2.81E-04	5.59E-04	2.74E-04	2.77E-04	5.51E-04
3438 495363.09, 3848877.25	0.00702	0.00711	1.07E-03	1.13E-03	1.00E-03	1.03E-03	9.71E-04	2.83E-04	2.86E-04	5.69E-04	2.76E-04	2.79E-04	5.55E-04	2.72E-04	2.76E-04	5.48E-04
3439 495863.09, 3848877.25	0.00643	0.00649	9.77E-04	1.03E-03	9.21E-04	9.43E-04	8.89E-04	2.59E-04	2.61E-04	5.20E-04	2.53E-04	2.55E-04	5.07E-04	2.49E-04	2.51E-04	5.01E-04
3440 496363.09, 3848877.25	0.0064	0.00647	9.72E-04	1.02E-03	9.16E-04	9.38E-04	8.85E-04	2.58E-04	2.60E-04	5.18E-04	2.51E-04	2.54E-04	5.05E-04	2.48E-04	2.51E-04	4.99E-04
3441 496863.09, 3848877.25	0.0068	0.00687	1.03E-03	1.09E-03	9.73E-04	9.97E-04	9.40E-04	2.74E-04	2.76E-04	5.50E-04	2.67E-04	2.70E-04	5.37E-04	2.63E-04	2.66E-04	5.30E-04
3442 497363.09, 3848877.25	0.00818	0.00827	1.24E-03	1.31E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.33E-04	6.62E-04	3.21E-04	3.25E-04	6.46E-04	3.17E-04	3.20E-04	6.37E-04
3443 497863.09, 3848877.25	0.00854	0.00866	1.30E-03	1.37E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.49E-04	6.92E-04	3.35E-04	3.40E-04	6.75E-04	3.31E-04	3.36E-04	6.66E-04
3444 498363.09, 3848877.25	0.0088	0.00904	1.34E-03	1.43E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.64E-04	7.18E-04	3.46E-04	3.55E-04	7.01E-04	3.41E-04	3.50E-04	6.91E-04
3445 471363.09, 3849377.25	0.03418	0.03496	5.19E-03	5.54E-03	4.89E-03	5.01E-03	4.73E-03	1.38E-03	1.41E-03	2.78E-03	1.34E-03	1.37E-03	2.72E-03	1.32E-03	1.35E-03	2.68E-03
3446 471863.09, 3849377.25	0.03722	0.03851	5.66E-03	6.10E-03	5.33E-03	5.46E-03	5.15E-03	1.50E-03	1.55E-03	3.05E-03	1.46E-03	1.51E-03	2.97E-03	1.44E-03	1.49E-03	2.93E-03
3447 472363.09, 3849377.25	0.04155	0.04263	6.31E-03	6.75E-03	5.95E-03	6.09E-03	5.75E-03	1.67E-03	1.72E-03	3.39E-03	1.63E-03	1.67E-03	3.31E-03	1.61E-03	1.65E-03	3.26E-03
3448 472863.09, 3849377.25	0.04772	0.04723	7.25E-03	7.48E-03	6.83E-03	7.00E-03	6.60E-03	1.92E-03	1.90E-03	3.82E-03	1.87E-03	1.85E-03	3.73E-03	1.85E-03	1.83E-03	3.68E-03
3449 473363.09, 3849377.25	0.0554	0.05616	8.42E-03	8.89E-03	7.93E-03	8.12E-03	7.66E-03	2.23E-03	2.26E-03	4.49E-03	2.18E-03	2.21E-03	4.38E-03	2.15E-03	2.18E-03	4.32E-03
3450 473863.09, 3849377.25	0.06853	0.07017	1.04E-02	1.11E-02	9.81E-03	1.00E-02	9.48E-03	2.76E-03	2.82E-03	5.58E-03	2.69E-03	2.76E-03	5.45E-03	2.66E-03	2.72E-03	5.37E-03
3451 474363.09, 3849377.25	0.08635	0.08752	1.31E-02	1.39E-02	1.24E-02	1.27E-02	1.19E-02	3.47E-03	3.52E-03	7.00E-03	3.39E-03	3.44E-03	6.83E-03	3.35E-03	3.39E-03	6.74E-03
3452 474863.09, 3849377.25	0.10596	0.10686	1.61E-02	1.69E-02	1.52E-02	1.55E-02	1.47E-02	4.26E-03	4.30E-03	8.56E-03	4.16E-03	4.20E-03	8.36E-03	4.11E-03	4.14E-03	8.25E-03
3453 475363.09, 3849377.25	0.15185	0.15278	2.31E-02	2.42E-02	2.17E-02	2.23E-02	2.10E-02	6.11E-03	6.15E-03	1.23E-02	5.96E-03	6.00E-03	1.20E-02	5.88E-03	5.92E-03	1.18E-02
3454 475863.09, 3849377.25	0.22097	0.22283	3.36E-02	3.53E-02	3.16E-02	3.24E-02	3.06E-02	8.89E-03	8.97E-03	1.79E-02	8.68E-03	8.75E-03	1.74E-02	8.56E-03	8.63E-03	1.72E-02
3455 476363.09, 3849377.25	0.34918	0.35114	5.31E-02	5.56E-02	5.00E-02	5.12E-02	4.83E-02	1.41E-02	1.41E-02	2.82E-02	1.37E-02	1.38E-02	2.75E-02	1.35E-02	1.36E-02	2.71E-02
3456 476863.09, 3849377.25	0.56633	0.57234	8.61E-02	9.06E-02	8.11E-02	8.30E-02	7.83E-02	2.28E-02	2.30E-02	4.58E-02	2.22E-02	2.25E-02	4.47E-02	2.19E-02	2.22E-02	4.41E-02
3457 477363.09, 3849377.25	0.21774	0.22004	3.31E-02	3.48E-02	3.12E-02	3.19E-02	3.01E-02	8.76E-03	8.86E-03	1.76E-02	8.55E-03	8.64E-03	1.72E-02	8.44E-03	8.53E-03	1.70E-02
3458 477863.09, 3849377.25	0.14256	0.14396	2.17E-02	2.28E-02	2.04E-02	2.09E-02	1.97E-02	5.74E-03	5.79E-03	1.15E-02	5.60E-03	5.65E-03	1.13E-02	5.52E-03	5.58E-03	1.11E-02
3459 478363.09, 3849377.25	0.1143	0.11473	1.74E-02	1.82E-02	1.64E-02	1.68E-02	1.58E-02	4.60E-03	4.62E-03	9.22E-03	4.49E-03	4.51E-03	8.99E-03	4.43E-03	4.45E-03	8.87E-03
3460 478863.09, 3849377.25	0.08824	0.08893	1.34E-02	1.41E-02	1.26E-02	1.29E-02	1.22E-02	3.55E-03	3.58E-03	7.13E-03	3.47E-03	3.49E-03	6.96E-03	3.42E-03	3.45E-03	6.87E-03
3461 479363.09, 3849377.25	0.07193	0.07227	1.09E-02	1.14E-02	1.03E-02	1.05E-02	9.95E-03	2.89E-03	2.91E-03	5.80E-03	2.82E-03	2.84E-03	5.66E-03	2.79E-03	2.80E-03	5.59E-03
3462 479863.09, 3849377.25	0.05082	0.0522	7.72E-03	8.26E-03	7.28E-03	7.45E-03	7.03E-03	2.05E-03	2.10E-03	4.15E-03	2.00E-03	2.05E-03	4.05E-03	1.97E-03	2.02E-03	3.99E-03
3463 480363.09, 3849377.25	0.05311	0.054	8.07E-03	8.55E-03	7.60E-03	7.79E-03	7.35E-03	2.14E-03	2.17E-03	4.31E-03	2.09E-03	2.12E-03	4.21E-03	2.06E-03	2.09E-03	4.15E-03
3464 480863.09, 3849377.25	0.04661	0.04742	7.08E-03	7.51E-03	6.67E-03	6.83E-03	6.45E-03	1.88E-03	1.91E-03	3.78E-03	1.83E-03	1.86E-03	3.69E-03	1.81E-03	1.84E-03	3.64E-03
3465 481363.09, 3849377.25	0.03793	0.03746	5.76E-03	5.93E-03	5.43E-03	5.56E-03	5.25E-03	1.53E-03	1.51E-03	3.03E-03	1.49E-03	1.47E-03	2.96E-03	1.47E-03	1.45E-03	2.92E-03
3466 481863.09, 3849377.25	0.02757	0.028	4.19E-03	4.43E-03	3.95E-03	4.04E-03	3.81E-03	1.11E-03	1.13E-03	2.24E-03	1.08E-03	1.10E-03	2.18E-03	1.07E-03	1.08E-03	2.15E-03
3467 482363.09, 3849377.25	0.02371	0.02446	3.60E-03	3.87E-03	3.39E-03	3.48E-03	3.28E-03	9.54E-04	9.84E-04	1.94E-03	9.31E-04	9.61E-04	1.89E-03	9.19E-04	9.48E-04	1.87E-03
3468 482863.09, 3849377.25	0.02022	0.02056	3.07E-03	3.26E-03	2.89E-03	2.96E-03	2.80E-03	8.14E-04	8.27E-04	1.64E-03	7.94E-04	8.07E-04	1.60E-03	7.83E-04	7.97E-04	1.58E-03
3469 483363.09, 3849377.25	0.01825	0.01877	2.77E-03	2.97E-03	2.61E-03	2.68E-03	2.52E-03	7.34E-04	7.55E-04	1.49E-03	7.17E-04	7.37E-04	1.45E-03	7.07E-04	7.27E-04	1.43E-03
3470 483863.09, 3849377.25	0.01601	0.01655	2.43E-03	2.62E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.66E-04	1.31E-03	6.29E-04	6.50E-04	1.28E-03	6.20E-04	6.41E-04	1.26E-03
3471 484363.09, 3849377.25	0.02027	0.02041	3.08E-03	3.23E-03	2.90E-03	2.97E-03	2.80E-03	8.16E-04	8.21E-04	1.64E-03	7.96E-04	8.01E-04	1.60E-03	7.85E-04	7.91E-04	1.58E-03
3472 484863.09, 3849377.25	0.02282	0.02357	3.47E-03	3.73E-03	3.27E-03	3.35E-03	3.16E-03	9.18E-04	9.49E-04	1.87E-03	8.96E-04	9.26E-04	1.82E-03	8.84E-04	9.13E-04	1.80E-03
3473 485363.09, 3849377.25	0.02224	0.02249	3.38E-03	3.56E-03	3.18E-03	3.26E-03	3.08E-03	8.95E-04	9.05E-04	1.80E-03	8.73E-04	8.83E-04	1.76E-03	8.62E-04	8.71E-04	1.73E-03
3474 485863.09, 3849377.25	0.01828	0.01841	2.78E-03	2.91E-03	2.62E-03	2.68E-03	2.53E-03	7.36E-04	7.41E-04	1.48E-03	7.18E-04	7.23E-04	1.44E-03	7.08E-04	7.13E-04	1.42E-03
3475 486363.09, 3849377.25	0.01551	0.01564	2.36E-03	2.48E-03	2.22E-03	2.27E-03	2.15E-03	6.24E-04	6.29E-04	1.25E-03	6.09E-04	6.14E-04	1.22E-03	6.01E-04	6.06E-04	1.21E-03
3476 486863.09, 3849377.25	0.01717	0.01746	2.61E-03	2.76E-03	2.46E-03	2.52E-03	2.37E-03	6.91E-04	7.03E-04	1.39E-03	6.74E-04	6.86E-04	1.36E-03	6.65E-04	6.77E-04	1.34E-03
3477 487363.09, 3849377.25	0.01699	0.01739	2.58E-03	2.75E-03	2.43E-03	2.49E-03	2.35E-03	6.84E-04	7.00E-04	1.38E-03	6.67E-04	6.83E-04	1.35E-03	6.58E-04	6.74E-04	1.33E-03
3478 487863.09, 3849377.25	0.01612	0.01635	2.45E-03	2.59E-03	2.31E-03	2.36E-03	2.23E-03	6.49E-04	6.58E-04	1.31E-03	6.33E-04	6.42E-04	1.28E-03	6.25E-04	6.34E-04	1.26E-03
3479 488363.09, 3849377.25	0.01546	0.01575	2.35E-03	2.49E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.34E-04	1.26E-03	6.07E-04	6.18E-04	1.23E-03	5.99E-04	6.10E-04	1.21E-03
3480 488863.09, 3849377.25	0.015	0.01531	2.28E-03	2.42E-03	2.15E-03	2.20E-03	2.07E-03	6.04E-04	6.16E-04	1.22E-03	5.89E-04	6.01E-04	1.19E-03	5.81E-04	5.93E-04	1.17E-03
3481 489363.09, 3849377.25	0.01446	0.01475	2.20E-03	2.34E-03	2.07E-03	2.12E-03	2.00E-03	5.82E-04	5.94E-04	1.18E-03	5.68E-04	5.79E-04	1.15E-03	5.60E-04	5.72E-04	1.13E-03
3482 489863.09, 3849377.25	0.01359	0.01388	2.07E-03	2.20E-03	1.95E-03	1.99E-03	1.88E-03	5.47E-04	5.59E-04	1.11E-03	5.34E-04	5.45E-04	1.08E-03	5.27E-04	5.38E-04	1.06E-03
3483 490363.09, 3849377.25	0.01248	0.01259	1.90E-03	1.99E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	5.07E-04	1.01E-03	4.90E-04	4.94E-04	9.84E-04	4.84E-04	4.88E-04	9.71E-04
3484 490863.09, 3849377.25	0.01178	0.01194	1.79E-03	1.89E-03	1.69E-03	1.73E-03	1.63E-03	4.74E-04	4.81E-04	9.55E-04	4.63E-04	4.69E-04	9.31E-04	4.56E-04	4.63E-04	9.19E-04
3485 491363.09, 3849377.25	0.0113	0.01142	1.72E-03	1.81E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	4.60E-04	9.14E-04	4.44E-04	4.48E-04	8.92E-04	4.38E-04	4.43E-04	8.80E-04
3486 491863.09, 3849377.25	0.01022	0.01032	1.55E-03	1.63E-03	1.46E-03	1.50E-03	1.41E-03	4.11E-04	4.15E-04	8.27E-04	4.01E-04	4.05E-04	8.07E-04	3.96E-04	4.00E-04	7.96E-04
3487 492363.09, 3849377.25	0.00934	0.00944	1.42E-03	1.49E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	3.80E-04	7.56E-04	3.67E-04	3.71E-04	7.37E-04	3.62E-04	3.66E-04	7.28E-04
3488 492863.09, 3849377.25	0.00812	0.0083	1.23E-03	1.31E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.34E-04	6.61E-04	3.19E-04	3.26E-04	6.45E-04	3.15E-04	3.22E-04	6.36E-04
3489 493363.09, 3849377.25	0.00749	0.0076	1.14E-03	1.20E-03	1.07E-03	1.10E-03	1.04E-03	3.01E-04	3.06E-04	6.07E-04	2.94E-04	2.98E-04	5.93E-04	2.90E-04	2.94E-04	5.85E-04
3490 493863.09, 3849377.25	0.00721	0.00732	1.10E-03	1.16E-03	1.03E-03	1.06E-03	9.97E-04	2.90E-04	2.95E-04	5.85E-04	2.83E-04	2.87E-04	5.71E-04	2.79E-04	2.84E-04	5.63E-04
3491 494363.09, 3849377.25	0.00724	0.00735	1.10E-03	1.16E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	2.96E-04	5.87E-04	2.84E-04	2.89E-04	5.73E-04	2.81E-04	2.85E-04	5.65E-04
3492 494863.09, 3849377.25	0.00797	0.00814	1.21E-03	1.29E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.28E-04	6.48E-04	3.13E-04	3.20E-04	6.33E-04	3.09E-04	3.15E-04	6.24E-04
3493 495363.09, 3849377.25	0.00803	0.0082	1.22E-03	1.30E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.30E-04	6.53E-04	3.15E-04	3.22E-04	6.37E-04	3.11E-04	3.18E-04	6.29E-04
3494 495863.09, 3849377.25	0.00644	0.00652	9.79E-04	1.03E-03	9.22E-04	9.44E-04	8.91E-04	2.59E-04	2.62E-04	5.22E-04	2.53E-04	2.56E-04	5.09E-04	2.50E-04	2.53E-04	5.02E-04

3495 496363.09, 3849377.25	0.0063	0.00637	9.57E-04	1.01E-03	9.02E-04	9.24E-04	8.71E-04	2.54E-04	2.56E-04	5.10E-04	2.47E-04	2.50E-04	4.98E-04	2.44E-04	2.47E-04	4.91E-04
3496 496863.09, 3849377.25	0.00764	0.00788	1.16E-03	1.25E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.17E-04	6.25E-04	3.00E-04	3.09E-04	6.09E-04	2.96E-04	3.05E-04	6.01E-04
3497 497363.09, 3849377.25	0.008	0.00816	1.22E-03	1.29E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	3.28E-04	6.50E-04	3.14E-04	3.20E-04	6.35E-04	3.10E-04	3.16E-04	6.26E-04
3498 497863.09, 3849377.25	0.00933	0.0097	1.42E-03	1.54E-03	1.34E-03	1.37E-03	1.29E-03	3.75E-04	3.90E-04	7.66E-04	3.66E-04	3.81E-04	7.47E-04	3.62E-04	3.76E-04	7.37E-04
3499 498363.09, 3849377.25	0.00901	0.0092	1.37E-03	1.46E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	3.70E-04	7.33E-04	3.54E-04	3.61E-04	7.15E-04	3.49E-04	3.56E-04	7.06E-04
3500 471363.09, 3849877.25	0.02873	0.02934	4.37E-03	4.65E-03	4.11E-03	4.21E-03	3.97E-03	1.16E-03	1.18E-03	2.34E-03	1.13E-03	1.15E-03	2.28E-03	1.11E-03	1.14E-03	2.25E-03
3501 471863.09, 3849877.25	0.03696	0.03786	5.62E-03	5.99E-03	5.29E-03	5.42E-03	5.11E-03	1.49E-03	1.52E-03	3.01E-03	1.45E-03	1.49E-03	2.94E-03	1.43E-03	1.47E-03	2.90E-03
3502 472363.09, 3849877.25	0.03918	0.03994	5.95E-03	6.32E-03	5.61E-03	5.74E-03	5.42E-03	1.58E-03	1.61E-03	3.18E-03	1.54E-03	1.57E-03	3.11E-03	1.52E-03	1.55E-03	3.07E-03
3503 472863.09, 3849877.25	0.03943	0.04091	5.99E-03	6.48E-03	5.64E-03	5.78E-03	5.45E-03	1.59E-03	1.65E-03	3.23E-03	1.55E-03	1.61E-03	3.15E-03	1.53E-03	1.59E-03	3.11E-03
3504 473363.09, 3849877.25	0.04389	0.04443	6.67E-03	7.03E-03	6.28E-03	6.44E-03	6.07E-03	1.77E-03	1.79E-03	3.55E-03	1.72E-03	1.74E-03	3.47E-03	1.70E-03	1.72E-03	3.42E-03
3505 473863.09, 3849877.25	0.04954	0.05001	7.53E-03	7.92E-03	7.09E-03	7.26E-03	6.85E-03	1.99E-03	2.01E-03	4.01E-03	1.95E-03	1.96E-03	3.91E-03	1.92E-03	1.94E-03	3.86E-03
3506 474363.09, 3849877.25	0.05723	0.0577	8.70E-03	9.14E-03	8.19E-03	8.39E-03	7.92E-03	2.30E-03	2.32E-03	4.63E-03	2.25E-03	2.27E-03	4.51E-03	2.22E-03	2.24E-03	4.45E-03
3507 474863.09, 3849877.25	0.06475	0.06544	9.84E-03	1.04E-02	9.27E-03	9.49E-03	8.96E-03	2.61E-03	2.63E-03	5.24E-03	2.54E-03	2.57E-03	5.11E-03	2.51E-03	2.54E-03	5.04E-03
3508 475363.09, 3849877.25	0.0798	0.08029	1.21E-02	1.27E-02	1.14E-02	1.17E-02	1.10E-02	3.21E-03	3.23E-03	6.44E-03	3.13E-03	3.15E-03	6.29E-03	3.09E-03	3.11E-03	6.20E-03
3509 475863.09, 3849877.25	0.09815	0.09905	1.49E-02	1.57E-02	1.41E-02	1.44E-02	1.36E-02	3.95E-03	3.99E-03	7.94E-03	3.85E-03	3.89E-03	7.74E-03	3.80E-03	3.84E-03	7.64E-03
3510 476363.09, 3849877.25	0.11725	0.11899	1.78E-02	1.88E-02	1.68E-02	1.72E-02	1.62E-02	4.72E-03	4.79E-03	9.51E-03	4.60E-03	4.67E-03	9.28E-03	4.54E-03	4.61E-03	9.15E-03
3511 476863.09, 3849877.25	0.15461	0.15694	2.35E-02	2.48E-02	2.21E-02	2.27E-02	2.14E-02	6.22E-03	6.32E-03	1.25E-02	6.07E-03	6.16E-03	1.22E-02	5.99E-03	6.08E-03	1.21E-02
3512 477363.09, 3849877.25	0.27181	0.27623	4.13E-02	4.37E-02	3.89E-02	3.99E-02	3.76E-02	1.09E-02	1.11E-02	2.21E-02	1.07E-02	1.08E-02	2.15E-02	1.05E-02	1.07E-02	2.12E-02
3513 477863.09, 3849877.25	0.57966	0.57926	8.81E-02	9.17E-02	8.30E-02	8.50E-02	8.02E-02	2.33E-02	2.33E-02	4.66E-02	2.28E-02	2.27E-02	4.55E-02	2.25E-02	2.24E-02	4.49E-02
3514 478363.09, 3849877.25	0.23375	0.23647	3.55E-02	3.74E-02	3.35E-02	3.43E-02	3.23E-02	9.41E-03	9.52E-03	1.89E-02	9.18E-03	9.29E-03	1.85E-02	9.06E-03	9.16E-03	1.82E-02
3515 478863.09, 3849877.25	0.16979	0.17036	2.58E-02	2.70E-02	2.43E-02	2.49E-02	2.35E-02	6.83E-03	6.86E-03	1.37E-02	6.67E-03	6.69E-03	1.34E-02	6.58E-03	6.60E-03	1.32E-02
3516 479363.09, 3849877.25	0.11951	0.11982	1.82E-02	1.90E-02	1.71E-02	1.75E-02	1.65E-02	4.81E-03	4.82E-03	9.63E-03	4.69E-03	4.71E-03	9.40E-03	4.63E-03	4.64E-03	9.27E-03
3517 479863.09, 3849877.25	0.10045	0.10076	1.53E-02	1.60E-02	1.44E-02	1.47E-02	1.39E-02	4.04E-03	4.05E-03	8.10E-03	3.94E-03	3.96E-03	7.90E-03	3.89E-03	3.90E-03	7.80E-03
3518 480363.09, 3849877.25	0.071	0.07218	1.08E-02	1.14E-02	1.02E-02	1.04E-02	9.82E-03	2.86E-03	2.90E-03	5.76E-03	2.79E-03	2.83E-03	5.62E-03	2.75E-03	2.80E-03	5.55E-03
3519 480863.09, 3849877.25	0.05261	0.05416	7.99E-03	8.58E-03	7.53E-03	7.71E-03	7.28E-03	2.12E-03	2.18E-03	4.30E-03	2.07E-03	2.13E-03	4.19E-03	2.04E-03	2.10E-03	4.14E-03
3520 481363.09, 3849877.25	0.04384	0.04419	6.66E-03	7.00E-03	6.28E-03	6.43E-03	6.06E-03	1.76E-03	1.78E-03	3.54E-03	1.72E-03	1.74E-03	3.46E-03	1.70E-03	1.71E-03	3.41E-03
3521 481863.09, 3849877.25	0.03124	0.03152	4.75E-03	4.99E-03	4.47E-03	4.58E-03	4.32E-03	1.26E-03	1.27E-03	2.53E-03	1.23E-03	1.24E-03	2.46E-03	1.21E-03	1.22E-03	2.43E-03
3522 482363.09, 3849877.25	0.02524	0.02542	3.84E-03	4.02E-03	3.61E-03	3.70E-03	3.49E-03	1.02E-03	1.02E-03	2.04E-03	9.91E-04	9.98E-04	1.99E-03	9.78E-04	9.85E-04	1.96E-03
3523 482863.09, 3849877.25	0.02226	0.02252	3.38E-03	3.57E-03	3.19E-03	3.26E-03	3.08E-03	8.96E-04	9.06E-04	1.80E-03	8.74E-04	8.84E-04	1.76E-03	8.63E-04	8.73E-04	1.74E-03
3524 483363.09, 3849877.25	0.01967	0.01966	2.99E-03	3.11E-03	2.82E-03	2.88E-03	2.72E-03	7.92E-04	7.91E-04	1.58E-03	7.72E-04	7.72E-04	1.54E-03	7.62E-04	7.62E-04	1.52E-03
3525 483863.09, 3849877.25	0.01871	0.01865	2.84E-03	2.95E-03	2.68E-03	2.74E-03	2.59E-03	7.53E-04	7.51E-04	1.50E-03	7.35E-04	7.32E-04	1.47E-03	7.25E-04	7.23E-04	1.45E-03
3526 484363.09, 3849877.25	0.02257	0.02282	3.43E-03	3.61E-03	3.23E-03	3.31E-03	3.12E-03	9.08E-04	9.18E-04	1.83E-03	8.86E-04	8.96E-04	1.78E-03	8.75E-04	8.84E-04	1.76E-03
3527 484863.09, 3849877.25	0.02747	0.02789	4.17E-03	4.42E-03	3.93E-03	4.03E-03	3.80E-03	1.11E-03	1.12E-03	2.23E-03	1.08E-03	1.10E-03	2.17E-03	1.06E-03	1.08E-03	2.15E-03
3528 485363.09, 3849877.25	0.0253	0.02581	3.84E-03	4.09E-03	3.62E-03	3.71E-03	3.50E-03	1.02E-03	1.04E-03	2.06E-03	9.94E-04	1.01E-03	2.01E-03	9.80E-04	1.00E-03	1.98E-03
3529 485863.09, 3849877.25	0.02149	0.02181	3.27E-03	3.45E-03	3.08E-03	3.15E-03	2.97E-03	8.65E-04	8.78E-04	1.74E-03	8.44E-04	8.56E-04	1.70E-03	8.33E-04	8.45E-04	1.68E-03
3530 486363.09, 3849877.25	0.01955	0.02007	2.97E-03	3.18E-03	2.80E-03	2.87E-03	2.70E-03	7.87E-04	8.08E-04	1.59E-03	7.68E-04	7.88E-04	1.56E-03	7.58E-04	7.78E-04	1.54E-03
3531 486863.09, 3849877.25	0.02014	0.02081	3.06E-03	3.29E-03	2.88E-03	2.95E-03	2.79E-03	8.10E-04	8.37E-04	1.65E-03	7.91E-04	8.17E-04	1.61E-03	7.80E-04	8.06E-04	1.59E-03
3532 487363.09, 3849877.25	0.01922	0.01994	2.92E-03	3.16E-03	2.75E-03	2.82E-03	2.66E-03	7.73E-04	8.02E-04	1.58E-03	7.55E-04	7.83E-04	1.54E-03	7.45E-04	7.73E-04	1.52E-03
3533 487863.09, 3849877.25	0.01846	0.01869	2.81E-03	2.96E-03	2.64E-03	2.71E-03	2.55E-03	7.43E-04	7.52E-04	1.50E-03	7.25E-04	7.34E-04	1.46E-03	7.15E-04	7.24E-04	1.44E-03
3534 488363.09, 3849877.25	0.01738	0.01786	2.64E-03	2.83E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.19E-04	1.42E-03	6.83E-04	7.01E-04	1.38E-03	6.73E-04	6.92E-04	1.37E-03
3535 488863.09, 3849877.25	0.01665	0.017	2.53E-03	2.69E-03	2.38E-03	2.44E-03	2.30E-03	6.70E-04	6.84E-04	1.35E-03	6.54E-04	6.68E-04	1.32E-03	6.45E-04	6.59E-04	1.30E-03
3536 489363.09, 3849877.25	0.01569	0.01606	2.38E-03	2.54E-03	2.25E-03	2.30E-03	2.17E-03	6.31E-04	6.46E-04	1.28E-03	6.16E-04	6.31E-04	1.25E-03	6.08E-04	6.22E-04	1.23E-03
3537 489863.09, 3849877.25	0.01471	0.01495	2.24E-03	2.37E-03	2.11E-03	2.16E-03	2.03E-03	5.92E-04	6.02E-04	1.19E-03	5.78E-04	5.87E-04	1.16E-03	5.70E-04	5.79E-04	1.15E-03
3538 490363.09, 3849877.25	0.01348	0.01371	2.05E-03	2.17E-03	1.93E-03	1.98E-03	1.86E-03	5.42E-04	5.52E-04	1.09E-03	5.29E-04	5.38E-04	1.07E-03	5.22E-04	5.31E-04	1.05E-03
3539 490863.09, 3849877.25	0.01257	0.01271	1.91E-03	2.01E-03	1.80E-03	1.84E-03	1.74E-03	5.06E-04	5.11E-04	1.02E-03	4.94E-04	4.99E-04	9.93E-04	4.87E-04	4.92E-04	9.80E-04
3540 491363.09, 3849877.25	0.01181	0.01197	1.79E-03	1.90E-03	1.69E-03	1.73E-03	1.63E-03	4.75E-04	4.82E-04	9.57E-04	4.64E-04	4.70E-04	9.34E-04	4.58E-04	4.64E-04	9.21E-04
3541 491863.09, 3849877.25	0.01072	0.0109	1.63E-03	1.73E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	4.39E-04	8.70E-04	4.21E-04	4.28E-04	8.49E-04	4.15E-04	4.22E-04	8.38E-04
3542 492363.09, 3849877.25	0.0097	0.00995	1.47E-03	1.58E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	4.00E-04	7.91E-04	3.81E-04	3.91E-04	7.72E-04	3.76E-04	3.86E-04	7.61E-04
3543 492863.09, 3849877.25	0.00884	0.00898	1.34E-03	1.42E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.61E-04	7.17E-04	3.47E-04	3.53E-04	7.00E-04	3.43E-04	3.48E-04	6.90E-04
3544 493363.09, 3849877.25	0.00779	0.00793	1.18E-03	1.26E-03	1.12E-03	1.14E-03	1.08E-03	3.13E-04	3.19E-04	6.33E-04	3.06E-04	3.11E-04	6.17E-04	3.02E-04	3.07E-04	6.09E-04
3545 493863.09, 3849877.25	0.00732	0.00744	1.11E-03	1.18E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.99E-04	5.94E-04	2.87E-04	2.92E-04	5.80E-04	2.84E-04	2.88E-04	5.72E-04
3546 494363.09, 3849877.25	0.00833	0.00847	1.27E-03	1.34E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	3.41E-04	6.76E-04	3.27E-04	3.33E-04	6.60E-04	3.23E-04	3.28E-04	6.51E-04
3547 494863.09, 3849877.25	0.00885	0.00907	1.34E-03	1.44E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.65E-04	7.21E-04	3.48E-04	3.56E-04	7.04E-04	3.43E-04	3.51E-04	6.94E-04
3548 495363.09, 3849877.25	0.00795	0.0081	1.21E-03	1.28E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.26E-04	6.46E-04	3.12E-04	3.18E-04	6.30E-04	3.08E-04	3.14E-04	6.22E-04
3549 495863.09, 3849877.25	0.00857	0.00875	1.30E-03	1.39E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	3.52E-04	6.97E-04	3.37E-04	3.44E-04	6.80E-04	3.32E-04	3.39E-04	6.71E-04
3550 496363.09, 3849877.25	0.00858	0.00876	1.30E-03	1.39E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	3.53E-04	6.98E-04	3.37E-04	3.44E-04	6.81E-04	3.32E-04	3.39E-04	6.72E-04
3551 496863.09, 3849877.25	0.00869	0.00885	1.32E-03	1.40E-03	1.24E-03	1.27E-03	1.20E-03	3.50E-04	3.56E-04	7.06E-04	3.41E-04	3.48E-04	6.89E-04	3.37E-04	3.43E-04	6.80E-04
3552 497363.09, 3849877.25	0.00957	0.00979	1.45E-03	1.55E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	3.94E-04	7.79E-04	3.76E-04	3.84E-04	7.60E-04	3.71E-04	3.79E-04	7.50E-04
3553 497863.09, 3849877.25	0.00949	0.00984	1.44E-03	1.56E-03	1.36E-03	1.39E-03	1.31E-03	3.82E-04	3.96E-04	7.78E-04	3.73E-04	3.86E-04	7.59E-04	3.68E-04	3.81E-04	7.49E-04
3554 498363.09, 3849877.25	0.00922	0.0094	1.40E-03	1.49E-03	1.32E-03	1.35E-03	1.28E-03	3.71E-04	3.78E-04	7.49E-04	3.62E-04	3.69E-04	7.31E-04	3.57E-04	3.64E-04	7.21E-04
3555 471363.09, 3850377.25	0.01814	0.01819	2.76E-03	2.88E-03	2.60E-03	2.66E-03	2.51E-03	7.30E-04	7.32E-04	1.46E-03	7.12E-04	7.14E-04	1.43E-03	7.03E-04	7.05E-04	1.41E-03
3556 471863.09, 3850377.25	0.02395	0.02478	3.64E-03	3.92E-03	3.43E-03	3.51E-03	3.31E-03	9.64E-04	9.97E-04	1.96E-03	9.41E-04	9.73E-04	1.91E-03	9.28E-04	9.60E-04	1.89E-03
3557 472363.09, 3850377.25	0.02724	0.02797	4.14E-03	4.43E-03	3.90E-03	3.99E-03	3.77E-03	1.10E-03	1.13E-03	2.22E-03	1.07E-03	1.10E-03	2.17E-03	1.06E-03	1.08E-03	2.14E-03
3558 472863.09, 3850377.25	0.03399	0.03475	5.16E-03	5.50E-03	4.87E-03	4.98E-03	4.70E-03	1.37E-03	1.40E-03	2.77E-03	1.33E-03	1.36E-03	2.70E-03	1.32E-03	1.35E-03	2.66E-03
3559 473363.09, 3850377.25	0.03607	0.03692	5.48E-03	5.85E-03	5.16E-03	5.29E-03	4.99E-03	1.45E-03	1.49E-03	2.94E-03	1.42E-03	1.45E-03	2.87E-03	1.40E-03	1.43E-03	2.83E-03
3560 473863.09, 3850377.25	0.04031	0.04029	6.13E-03	6.38E-03	5.77E-03	5.91E-03	5.58E-03	1.62E-03	1.62E-03	3.24E-03	1.58E-03	1.58E-03	3.17E-03	1.56E-03	1.56E-03	3.12E-03

3561 474363.09, 3850377.25	0.04538	0.04565	6.90E-03	7.23E-03	6.50E-03	6.65E-03	6.28E-03	1.83E-03	1.84E-03	3.66E-03	1.78E-03	1.79E-03	3.57E-03	1.76E-03	1.77E-03	3.53E-03
3562 474863.09, 3850377.25	0.0511	0.05167	7.76E-03	8.18E-03	7.32E-03	7.49E-03	7.07E-03	2.06E-03	2.08E-03	4.14E-03	2.01E-03	2.03E-03	4.04E-03	1.98E-03	2.00E-03	3.98E-03
3563 475363.09, 3850377.25	0.05687	0.05576	8.64E-03	8.83E-03	8.14E-03	8.34E-03	7.87E-03	2.29E-03	2.24E-03	4.53E-03	2.23E-03	2.19E-03	4.42E-03	2.20E-03	2.16E-03	4.36E-03
3564 475863.09, 3850377.25	0.06617	0.06734	1.01E-02	1.07E-02	9.47E-03	9.70E-03	9.15E-03	2.66E-03	2.71E-03	5.37E-03	2.60E-03	2.64E-03	5.24E-03	2.56E-03	2.61E-03	5.17E-03
3565 476363.09, 3850377.25	0.08152	0.08249	1.24E-02	1.31E-02	1.17E-02	1.20E-02	1.13E-02	3.28E-03	3.32E-03	6.60E-03	3.20E-03	3.24E-03	6.44E-03	3.16E-03	3.20E-03	6.36E-03
3566 476863.09, 3850377.25	0.09366	0.09518	1.42E-02	1.51E-02	1.34E-02	1.37E-02	1.30E-02	3.77E-03	3.83E-03	7.60E-03	3.68E-03	3.74E-03	7.42E-03	3.63E-03	3.69E-03	7.32E-03
3567 477363.09, 3850377.25	0.10529	0.10623	1.60E-02	1.68E-02	1.51E-02	1.54E-02	1.46E-02	4.24E-03	4.28E-03	8.51E-03	4.13E-03	4.17E-03	8.31E-03	4.08E-03	4.12E-03	8.20E-03
3568 477863.09, 3850377.25	0.14445	0.14671	2.19E-02	2.32E-02	2.07E-02	2.12E-02	2.00E-02	5.81E-03	5.90E-03	1.17E-02	5.67E-03	5.76E-03	1.14E-02	5.60E-03	5.68E-03	1.13E-02
3569 478363.09, 3850377.25	0.27589	0.28102	4.19E-02	4.45E-02	3.95E-02	4.05E-02	3.82E-02	1.11E-02	1.13E-02	2.24E-02	1.08E-02	1.10E-02	2.19E-02	1.07E-02	1.09E-02	2.16E-02
3570 478863.09, 3850377.25	0.61925	0.61687	9.41E-02	9.77E-02	8.87E-02	9.08E-02	8.56E-02	2.49E-02	2.48E-02	4.97E-02	2.43E-02	2.42E-02	4.85E-02	2.40E-02	2.39E-02	4.79E-02
3571 479363.09, 3850377.25	0.24422	0.24564	3.71E-02	3.89E-02	3.50E-02	3.58E-02	3.38E-02	9.83E-03	9.89E-03	1.97E-02	9.59E-03	9.65E-03	1.92E-02	9.46E-03	9.52E-03	1.90E-02
3572 479863.09, 3850377.25	0.15153	0.15266	2.30E-02	2.42E-02	2.17E-02	2.22E-02	2.10E-02	6.10E-03	6.14E-03	1.22E-02	5.95E-03	5.99E-03	1.19E-02	5.87E-03	5.92E-03	1.18E-02
3573 480363.09, 3850377.25	0.11424	0.11514	1.74E-02	1.82E-02	1.64E-02	1.68E-02	1.58E-02	4.60E-03	4.63E-03	9.23E-03	4.49E-03	4.52E-03	9.01E-03	4.43E-03	4.46E-03	8.89E-03
3574 480863.09, 3850377.25	0.09595	0.09709	1.46E-02	1.54E-02	1.37E-02	1.41E-02	1.33E-02	3.86E-03	3.91E-03	7.77E-03	3.77E-03	3.81E-03	7.58E-03	3.72E-03	3.76E-03	7.48E-03
3575 481363.09, 3850377.25	0.05274	0.05398	8.01E-03	8.55E-03	7.55E-03	7.73E-03	7.29E-03	2.12E-03	2.17E-03	4.29E-03	2.07E-03	2.12E-03	4.19E-03	2.04E-03	2.09E-03	4.14E-03
3576 481863.09, 3850377.25	0.04581	0.04616	6.96E-03	7.31E-03	6.56E-03	6.72E-03	6.34E-03	1.84E-03	1.86E-03	3.70E-03	1.80E-03	1.81E-03	3.61E-03	1.78E-03	1.79E-03	3.56E-03
3577 482363.09, 3850377.25	0.03878	0.03889	5.89E-03	6.16E-03	5.55E-03	5.69E-03	5.36E-03	1.56E-03	1.57E-03	3.13E-03	1.52E-03	1.53E-03	3.05E-03	1.50E-03	1.51E-03	3.01E-03
3578 482863.09, 3850377.25	0.02928	0.02968	4.45E-03	4.70E-03	4.19E-03	4.29E-03	4.05E-03	1.18E-03	1.19E-03	2.37E-03	1.15E-03	1.17E-03	2.32E-03	1.13E-03	1.15E-03	2.28E-03
3579 483363.09, 3850377.25	0.0236	0.02436	3.59E-03	3.86E-03	3.38E-03	3.46E-03	3.26E-03	9.50E-04	9.80E-04	1.93E-03	9.27E-04	9.57E-04	1.88E-03	9.14E-04	9.44E-04	1.86E-03
3580 483863.09, 3850377.25	0.02367	0.02433	3.60E-03	3.85E-03	3.39E-03	3.47E-03	3.27E-03	9.53E-04	9.79E-04	1.93E-03	9.30E-04	9.55E-04	1.88E-03	9.17E-04	9.43E-04	1.86E-03
3581 484363.09, 3850377.25	0.02582	0.02705	3.92E-03	4.28E-03	3.70E-03	3.79E-03	3.57E-03	1.04E-03	1.09E-03	2.13E-03	1.01E-03	1.06E-03	2.08E-03	1.00E-03	1.05E-03	2.05E-03
3582 484863.09, 3850377.25	0.02954	0.03042	4.49E-03	4.82E-03	4.23E-03	4.33E-03	4.09E-03	1.19E-03	1.22E-03	2.41E-03	1.16E-03	1.19E-03	2.35E-03	1.14E-03	1.18E-03	2.32E-03
3583 485363.09, 3850377.25	0.02825	0.02889	4.29E-03	4.57E-03	4.04E-03	4.14E-03	3.91E-03	1.14E-03	1.16E-03	2.30E-03	1.11E-03	1.13E-03	2.24E-03	1.09E-03	1.12E-03	2.21E-03
3584 485863.09, 3850377.25	0.02538	0.02566	3.86E-03	4.06E-03	3.63E-03	3.72E-03	3.51E-03	1.02E-03	1.03E-03	2.05E-03	9.97E-04	1.01E-03	2.00E-03	9.83E-04	9.94E-04	1.98E-03
3585 486363.09, 3850377.25	0.02407	0.02431	3.66E-03	3.85E-03	3.45E-03	3.53E-03	3.33E-03	9.69E-04	9.78E-04	1.95E-03	9.45E-04	9.55E-04	1.90E-03	9.33E-04	9.42E-04	1.87E-03
3586 486863.09, 3850377.25	0.02297	0.02319	3.49E-03	3.67E-03	3.29E-03	3.37E-03	3.18E-03	9.24E-04	9.33E-04	1.86E-03	9.02E-04	9.11E-04	1.81E-03	8.90E-04	8.99E-04	1.79E-03
3587 487363.09, 3850377.25	0.02128	0.02168	3.23E-03	3.43E-03	3.05E-03	3.12E-03	2.94E-03	8.56E-04	8.72E-04	1.73E-03	8.36E-04	8.51E-04	1.69E-03	8.25E-04	8.40E-04	1.66E-03
3588 487863.09, 3850377.25	0.02058	0.02088	3.13E-03	3.31E-03	2.95E-03	3.02E-03	2.85E-03	8.28E-04	8.40E-04	1.67E-03	8.08E-04	8.20E-04	1.63E-03	7.97E-04	8.09E-04	1.61E-03
3589 488363.09, 3850377.25	0.01958	0.01983	2.98E-03	3.14E-03	2.80E-03	2.87E-03	2.71E-03	7.88E-04	7.98E-04	1.59E-03	7.69E-04	7.79E-04	1.55E-03	7.59E-04	7.68E-04	1.53E-03
3590 488863.09, 3850377.25	0.0185	0.01908	2.81E-03	3.02E-03	2.65E-03	2.71E-03	2.56E-03	7.44E-04	7.68E-04	1.51E-03	7.26E-04	7.49E-04	1.48E-03	7.17E-04	7.39E-04	1.46E-03
3591 489363.09, 3850377.25	0.01739	0.01786	2.64E-03	2.83E-03	2.49E-03	2.55E-03	2.41E-03	7.00E-04	7.19E-04	1.42E-03	6.83E-04	7.01E-04	1.38E-03	6.74E-04	6.92E-04	1.37E-03
3592 489863.09, 3850377.25	0.01563	0.01635	2.38E-03	2.59E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.58E-04	1.29E-03	6.14E-04	6.42E-04	1.26E-03	6.06E-04	6.34E-04	1.24E-03
3593 490363.09, 3850377.25	0.01467	0.01524	2.23E-03	2.41E-03	2.10E-03	2.15E-03	2.03E-03	5.90E-04	6.13E-04	1.20E-03	5.76E-04	5.98E-04	1.17E-03	5.68E-04	5.91E-04	1.16E-03
3594 490863.09, 3850377.25	0.01386	0.01439	2.11E-03	2.28E-03	1.98E-03	2.03E-03	1.92E-03	5.58E-04	5.79E-04	1.14E-03	5.44E-04	5.65E-04	1.11E-03	5.37E-04	5.58E-04	1.09E-03
3595 491363.09, 3850377.25	0.01277	0.01313	1.94E-03	2.08E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	5.28E-04	1.04E-03	5.01E-04	5.16E-04	1.02E-03	4.95E-04	5.09E-04	1.00E-03
3596 491863.09, 3850377.25	0.01143	0.01171	1.74E-03	1.85E-03	1.64E-03	1.68E-03	1.58E-03	4.60E-04	4.71E-04	9.31E-04	4.49E-04	4.60E-04	9.09E-04	4.43E-04	4.54E-04	8.97E-04
3597 492363.09, 3850377.25	0.01004	0.01035	1.53E-03	1.64E-03	1.44E-03	1.47E-03	1.39E-03	4.04E-04	4.17E-04	8.21E-04	3.94E-04	4.06E-04	8.01E-04	3.89E-04	4.01E-04	7.90E-04
3598 492863.09, 3850377.25	0.00932	0.00949	1.42E-03	1.50E-03	1.33E-03	1.37E-03	1.29E-03	3.75E-04	3.82E-04	7.57E-04	3.66E-04	3.73E-04	7.39E-04	3.61E-04	3.68E-04	7.29E-04
3599 493363.09, 3850377.25	0.0086	0.00873	1.31E-03	1.38E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.51E-04	6.97E-04	3.38E-04	3.43E-04	6.81E-04	3.33E-04	3.38E-04	6.72E-04
3600 493863.09, 3850377.25	0.0088	0.00897	1.34E-03	1.42E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.61E-04	7.15E-04	3.46E-04	3.52E-04	6.98E-04	3.41E-04	3.48E-04	6.89E-04
3601 494363.09, 3850377.25	0.00891	0.00908	1.35E-03	1.44E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	3.65E-04	7.24E-04	3.50E-04	3.57E-04	7.06E-04	3.45E-04	3.52E-04	6.97E-04
3602 494863.09, 3850377.25	0.00926	0.00967	1.41E-03	1.53E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	3.89E-04	7.62E-04	3.64E-04	3.80E-04	7.43E-04	3.59E-04	3.75E-04	7.34E-04
3603 495363.09, 3850377.25	0.00999	0.01027	1.52E-03	1.63E-03	1.43E-03	1.46E-03	1.38E-03	4.02E-04	4.13E-04	8.15E-04	3.92E-04	4.03E-04	7.96E-04	3.87E-04	3.98E-04	7.85E-04
3604 495863.09, 3850377.25	0.00925	0.00952	1.41E-03	1.51E-03	1.32E-03	1.36E-03	1.28E-03	3.72E-04	3.83E-04	7.55E-04	3.63E-04	3.74E-04	7.37E-04	3.58E-04	3.69E-04	7.27E-04
3605 496363.09, 3850377.25	0.00983	0.01021	1.49E-03	1.62E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	4.11E-04	8.06E-04	3.86E-04	4.01E-04	7.87E-04	3.81E-04	3.96E-04	7.77E-04
3606 496863.09, 3850377.25	0.01048	0.01079	1.59E-03	1.71E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	4.34E-04	8.56E-04	4.12E-04	4.24E-04	8.35E-04	4.06E-04	4.18E-04	8.24E-04
3607 497363.09, 3850377.25	0.01045	0.01082	1.59E-03	1.71E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	4.35E-04	8.56E-04	4.10E-04	4.25E-04	8.35E-04	4.05E-04	4.19E-04	8.24E-04
3608 497863.09, 3850377.25	0.01007	0.01049	1.53E-03	1.66E-03	1.44E-03	1.48E-03	1.39E-03	4.05E-04	4.22E-04	8.27E-04	3.95E-04	4.12E-04	8.07E-04	3.90E-04	4.06E-04	7.97E-04
3609 498363.09, 3850377.25	0.00976	0.01018	1.48E-03	1.61E-03	1.40E-03	1.43E-03	1.35E-03	3.93E-04	4.10E-04	8.02E-04	3.83E-04	4.00E-04	7.83E-04	3.78E-04	3.94E-04	7.73E-04
3610 471363.09, 3850877.25	0.01924	0.01979	2.92E-03	3.13E-03	2.75E-03	2.82E-03	2.66E-03	7.74E-04	7.96E-04	1.57E-03	7.56E-04	7.77E-04	1.53E-03	7.46E-04	7.67E-04	1.51E-03
3611 471863.09, 3850877.25	0.02267	0.02307	3.44E-03	3.65E-03	3.25E-03	3.32E-03	3.14E-03	9.12E-04	9.28E-04	1.84E-03	8.90E-04	9.06E-04	1.80E-03	8.78E-04	8.94E-04	1.77E-03
3612 472363.09, 3850877.25	0.026	0.02633	3.95E-03	4.17E-03	3.72E-03	3.81E-03	3.60E-03	1.05E-03	1.06E-03	2.11E-03	1.02E-03	1.03E-03	2.05E-03	1.01E-03	1.02E-03	2.03E-03
3613 472863.09, 3850877.25	0.02867	0.02988	4.36E-03	4.73E-03	4.10E-03	4.20E-03	3.97E-03	1.15E-03	1.20E-03	2.36E-03	1.13E-03	1.17E-03	2.30E-03	1.11E-03	1.16E-03	2.27E-03
3614 473363.09, 3850877.25	0.02991	0.03037	4.54E-03	4.81E-03	4.28E-03	4.39E-03	4.14E-03	1.20E-03	1.22E-03	2.43E-03	1.17E-03	1.19E-03	2.37E-03	1.16E-03	1.18E-03	2.34E-03
3615 473863.09, 3850877.25	0.03429	0.03545	5.21E-03	5.61E-03	4.91E-03	5.03E-03	4.74E-03	1.38E-03	1.43E-03	2.81E-03	1.35E-03	1.39E-03	2.74E-03	1.33E-03	1.37E-03	2.70E-03
3616 474363.09, 3850877.25	0.03858	0.03974	5.86E-03	6.29E-03	5.52E-03	5.66E-03	5.34E-03	1.55E-03	1.60E-03	3.15E-03	1.52E-03	1.56E-03	3.08E-03	1.49E-03	1.54E-03	3.03E-03
3617 474863.09, 3850877.25	0.04257	0.04297	6.47E-03	6.80E-03	6.09E-03	6.24E-03	5.89E-03	1.71E-03	1.73E-03	3.44E-03	1.67E-03	1.69E-03	3.36E-03	1.65E-03	1.67E-03	3.31E-03
3618 475363.09, 3850877.25	0.04624	0.04671	7.03E-03	7.40E-03	6.62E-03	6.78E-03	6.40E-03	1.86E-03	1.88E-03	3.74E-03	1.82E-03	1.83E-03	3.65E-03	1.79E-03	1.81E-03	3.60E-03
3619 475863.09, 3850877.25	0.05234	0.05054	7.95E-03	8.00E-03	7.49E-03	7.67E-03	7.24E-03	2.11E-03	2.03E-03	4.14E-03	2.06E-03	1.98E-03	4.04E-03	2.03E-03	1.96E-03	3.99E-03
3620 476363.09, 3850877.25	0.05858	0.0563	8.90E-03	8.91E-03	8.39E-03	8.59E-03	8.10E-03	2.36E-03	2.27E-03	4.62E-03	2.30E-03	2.21E-03	4.51E-03	2.27E-03	2.18E-03	4.45E-03
3621 476863.09, 3850877.25	0.06886	0.06998	1.05E-02	1.11E-02	9.86E-03	1.01E-02	9.52E-03	2.77E-03	2.82E-03	5.59E-03	2.70E-03	2.75E-03	5.45E-03	2.67E-03	2.71E-03	5.38E-03
3622 477363.09, 3850877.25	0.0755	0.07774	1.15E-02	1.23E-02	1.08E-02	1.11E-02	1.04E-02	3.04E-03	3.13E-03	6.17E-03	2.96E-03	3.05E-03	6.02E-03	2.93E-03	3.01E-03	5.94E-03
3623 477863.09, 3850877.25	0.08484	0.089	1.29E-02	1.41E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.58E-03	7.00E-03	3.33E-03	3.50E-03	6.83E-03	3.29E-03	3.45E-03	6.74E-03
3624 478363.09, 3850877.25	0.1075	0.10932	1.63E-02	1.73E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	4.40E-03	8.73E-03	4.22E-03	4.29E-03	8.51E-03	4.17E-03	4.24E-03	8.40E-03
3625 478863.09, 3850877.25	0.14159	0.14474	2.15E-02	2.29E-02	2.03E-02	2.08E-02	1.96E-02	5.70E-03	5.82E-03	1.15E-02	5.56E-03	5.68E-03	1.12E-02	5.49E-03	5.61E-03	1.11E-02
3626 479363.09, 3850877.25	0.24565	0.25137	3.73E-02	3.98E-02	3.52E-02	3.60E-02	3.40E-02	9.89E-03	1.01E-02	2.00E-02	9.65E-03	9.87E-03	1.95E-02	9.52E-03	9.74E-03	1.93E-02

3627 479863.09, 3850877.25	0.73136	0.71854	1.11E-01	1.14E-01	1.05E-01	1.07E-01	1.01E-01	2.94E-02	2.89E-02	5.83E-02	2.87E-02	2.82E-02	5.69E-02	2.83E-02	2.78E-02	5.62E-02
3628 480363.09, 3850877.25	0.25142	0.25207	3.82E-02	3.99E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	1.01E-02	2.03E-02	9.87E-03	9.90E-03	1.98E-02	9.74E-03	9.77E-03	1.95E-02
3629 480863.09, 3850877.25	0.15037	0.15324	2.28E-02	2.43E-02	2.15E-02	2.20E-02	2.08E-02	6.05E-03	6.17E-03	1.22E-02	5.91E-03	6.02E-03	1.19E-02	5.83E-03	5.94E-03	1.18E-02
3630 481363.09, 3850877.25	0.11105	0.11212	1.69E-02	1.78E-02	1.59E-02	1.63E-02	1.54E-02	4.47E-03	4.51E-03	8.98E-03	4.36E-03	4.40E-03	8.76E-03	4.30E-03	4.34E-03	8.65E-03
3631 481863.09, 3850877.25	0.07553	0.07578	1.15E-02	1.20E-02	1.08E-02	1.11E-02	1.04E-02	3.04E-03	3.05E-03	6.09E-03	2.97E-03	2.98E-03	5.94E-03	2.93E-03	2.94E-03	5.86E-03
3632 482363.09, 3850877.25	0.05186	0.05218	7.88E-03	8.26E-03	7.42E-03	7.60E-03	7.17E-03	2.09E-03	2.10E-03	4.19E-03	2.04E-03	2.05E-03	4.09E-03	2.01E-03	2.02E-03	4.03E-03
3633 482863.09, 3850877.25	0.04379	0.04428	6.65E-03	7.01E-03	6.27E-03	6.42E-03	6.06E-03	1.76E-03	1.78E-03	3.54E-03	1.72E-03	1.74E-03	3.46E-03	1.70E-03	1.72E-03	3.41E-03
3634 483363.09, 3850877.25	0.03507	0.03576	5.33E-03	5.66E-03	5.02E-03	5.14E-03	4.85E-03	1.41E-03	1.44E-03	2.85E-03	1.38E-03	1.40E-03	2.78E-03	1.36E-03	1.39E-03	2.74E-03
3635 483863.09, 3850877.25	0.03385	0.03418	5.14E-03	5.41E-03	4.85E-03	4.96E-03	4.68E-03	1.36E-03	1.38E-03	2.74E-03	1.33E-03	1.34E-03	2.67E-03	1.31E-03	1.32E-03	2.64E-03
3636 484363.09, 3850877.25	0.03377	0.03429	5.13E-03	5.43E-03	4.83E-03	4.95E-03	4.67E-03	1.36E-03	1.38E-03	2.74E-03	1.33E-03	1.35E-03	2.67E-03	1.31E-03	1.33E-03	2.64E-03
3637 484863.09, 3850877.25	0.03056	0.03154	4.64E-03	4.99E-03	4.37E-03	4.48E-03	4.23E-03	1.23E-03	1.27E-03	2.50E-03	1.20E-03	1.24E-03	2.44E-03	1.18E-03	1.22E-03	2.41E-03
3638 485363.09, 3850877.25	0.03046	0.03113	4.63E-03	4.93E-03	4.36E-03	4.47E-03	4.21E-03	1.23E-03	1.25E-03	2.48E-03	1.20E-03	1.22E-03	2.42E-03	1.18E-03	1.21E-03	2.39E-03
3639 485863.09, 3850877.25	0.02613	0.0268	3.97E-03	4.24E-03	3.74E-03	3.83E-03	3.61E-03	1.05E-03	1.08E-03	2.13E-03	1.03E-03	1.05E-03	2.08E-03	1.01E-03	1.04E-03	2.05E-03
3640 486363.09, 3850877.25	0.02577	0.02695	3.92E-03	4.27E-03	3.69E-03	3.78E-03	3.56E-03	1.04E-03	1.08E-03	2.12E-03	1.01E-03	1.06E-03	2.07E-03	9.99E-04	1.04E-03	2.04E-03
3641 486863.09, 3850877.25	0.0244	0.02572	3.71E-03	4.07E-03	3.49E-03	3.58E-03	3.37E-03	9.82E-04	1.04E-03	2.02E-03	9.58E-04	1.01E-03	1.97E-03	9.45E-04	9.97E-04	1.94E-03
3642 487363.09, 3850877.25	0.02242	0.02292	3.41E-03	3.63E-03	3.21E-03	3.29E-03	3.10E-03	9.02E-04	9.22E-04	1.82E-03	8.80E-04	9.00E-04	1.78E-03	8.69E-04	8.88E-04	1.76E-03
3643 487863.09, 3850877.25	0.02096	0.02154	3.18E-03	3.41E-03	3.00E-03	3.07E-03	2.90E-03	8.43E-04	8.67E-04	1.71E-03	8.23E-04	8.46E-04	1.67E-03	8.12E-04	8.35E-04	1.65E-03
3644 488363.09, 3850877.25	0.02009	0.02055	3.05E-03	3.25E-03	2.88E-03	2.95E-03	2.78E-03	8.08E-04	8.27E-04	1.64E-03	7.89E-04	8.07E-04	1.60E-03	7.78E-04	7.96E-04	1.57E-03
3645 488863.09, 3850877.25	0.0192	0.01945	2.92E-03	3.08E-03	2.75E-03	2.82E-03	2.66E-03	7.73E-04	7.83E-04	1.56E-03	7.54E-04	7.64E-04	1.52E-03	7.44E-04	7.54E-04	1.50E-03
3646 489363.09, 3850877.25	0.01832	0.01871	2.78E-03	2.96E-03	2.62E-03	2.69E-03	2.53E-03	7.37E-04	7.53E-04	1.49E-03	7.19E-04	7.35E-04	1.45E-03	7.10E-04	7.25E-04	1.43E-03
3647 489863.09, 3850877.25	0.01678	0.01742	2.55E-03	2.76E-03	2.40E-03	2.46E-03	2.32E-03	6.75E-04	7.01E-04	1.38E-03	6.59E-04	6.84E-04	1.34E-03	6.50E-04	6.75E-04	1.33E-03
3648 490363.09, 3850877.25	0.01591	0.01651	2.42E-03	2.61E-03	2.28E-03	2.33E-03	2.20E-03	6.40E-04	6.64E-04	1.30E-03	6.25E-04	6.48E-04	1.27E-03	6.16E-04	6.40E-04	1.26E-03
3649 490863.09, 3850877.25	0.01497	0.01563	2.27E-03	2.47E-03	2.14E-03	2.20E-03	2.07E-03	6.02E-04	6.29E-04	1.23E-03	5.88E-04	6.14E-04	1.20E-03	5.80E-04	6.06E-04	1.19E-03
3650 491363.09, 3850877.25	0.01352	0.01418	2.05E-03	2.25E-03	1.94E-03	1.98E-03	1.87E-03	5.44E-04	5.71E-04	1.11E-03	5.31E-04	5.57E-04	1.09E-03	5.24E-04	5.49E-04	1.07E-03
3651 491863.09, 3850877.25	0.01232	0.01294	1.87E-03	2.05E-03	1.76E-03	1.81E-03	1.70E-03	4.96E-04	5.21E-04	1.02E-03	4.84E-04	5.08E-04	9.92E-04	4.77E-04	5.01E-04	9.79E-04
3652 492363.09, 3850877.25	0.0113	0.01177	1.72E-03	1.86E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	4.74E-04	9.28E-04	4.44E-04	4.62E-04	9.06E-04	4.38E-04	4.56E-04	8.94E-04
3653 492863.09, 3850877.25	0.01072	0.01104	1.63E-03	1.75E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	4.44E-04	8.76E-04	4.21E-04	4.34E-04	8.55E-04	4.15E-04	4.28E-04	8.43E-04
3654 493363.09, 3850877.25	0.01026	0.0106	1.56E-03	1.68E-03	1.47E-03	1.50E-03	1.42E-03	4.13E-04	4.27E-04	8.39E-04	4.03E-04	4.16E-04	8.19E-04	3.98E-04	4.11E-04	8.08E-04
3655 493863.09, 3850877.25	0.01038	0.01075	1.58E-03	1.70E-03	1.49E-03	1.52E-03	1.44E-03	4.18E-04	4.33E-04	8.50E-04	4.08E-04	4.22E-04	8.30E-04	4.02E-04	4.17E-04	8.19E-04
3656 494363.09, 3850877.25	0.01027	0.01064	1.56E-03	1.68E-03	1.47E-03	1.51E-03	1.42E-03	4.13E-04	4.28E-04	8.41E-04	4.03E-04	4.18E-04	8.21E-04	3.98E-04	4.12E-04	8.10E-04
3657 494863.09, 3850877.25	0.01057	0.01108	1.61E-03	1.75E-03	1.51E-03	1.55E-03	1.46E-03	4.25E-04	4.46E-04	8.71E-04	4.15E-04	4.35E-04	8.50E-04	4.10E-04	4.29E-04	8.39E-04
3658 495363.09, 3850877.25	0.01111	0.01179	1.69E-03	1.87E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	4.74E-04	9.22E-04	4.36E-04	4.63E-04	8.99E-04	4.30E-04	4.57E-04	8.87E-04
3659 495863.09, 3850877.25	0.01089	0.01146	1.65E-03	1.81E-03	1.56E-03	1.60E-03	1.51E-03	4.38E-04	4.61E-04	8.99E-04	4.28E-04	4.50E-04	8.78E-04	4.22E-04	4.44E-04	8.66E-04
3660 496363.09, 3850877.25	0.01087	0.01144	1.65E-03	1.81E-03	1.56E-03	1.59E-03	1.50E-03	4.37E-04	4.60E-04	8.98E-04	4.27E-04	4.49E-04	8.76E-04	4.21E-04	4.43E-04	8.64E-04
3661 496863.09, 3850877.25	0.01125	0.01179	1.71E-03	1.87E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	4.74E-04	9.27E-04	4.42E-04	4.63E-04	9.05E-04	4.36E-04	4.57E-04	8.93E-04
3662 497363.09, 3850877.25	0.01092	0.01158	1.66E-03	1.83E-03	1.56E-03	1.60E-03	1.51E-03	4.39E-04	4.66E-04	9.05E-04	4.29E-04	4.55E-04	8.84E-04	4.23E-04	4.49E-04	8.72E-04
3663 497863.09, 3850877.25	0.0106	0.01111	1.61E-03	1.76E-03	1.52E-03	1.55E-03	1.47E-03	4.27E-04	4.47E-04	8.74E-04	4.16E-04	4.36E-04	8.53E-04	4.11E-04	4.30E-04	8.41E-04
3664 498363.09, 3850877.25	0.01025	0.01066	1.56E-03	1.69E-03	1.47E-03	1.50E-03	1.42E-03	4.12E-04	4.29E-04	8.41E-04	4.03E-04	4.19E-04	8.21E-04	3.97E-04	4.13E-04	8.10E-04
3665 471363.09, 3851377.25	0.01914	0.01959	2.91E-03	3.10E-03	2.74E-03	2.81E-03	2.65E-03	7.70E-04	7.88E-04	1.56E-03	7.52E-04	7.69E-04	1.52E-03	7.42E-04	7.59E-04	1.50E-03
3666 471863.09, 3851377.25	0.02366	0.0229	3.60E-03	3.63E-03	3.39E-03	3.47E-03	3.27E-03	9.52E-04	9.22E-04	1.87E-03	9.29E-04	8.99E-04	1.83E-03	9.17E-04	8.87E-04	1.80E-03
3667 472363.09, 3851377.25	0.02373	0.02394	3.61E-03	3.79E-03	3.40E-03	3.48E-03	3.28E-03	9.55E-04	9.63E-04	1.92E-03	9.32E-04	9.40E-04	1.87E-03	9.20E-04	9.28E-04	1.85E-03
3668 472863.09, 3851377.25	0.02439	0.02519	3.71E-03	3.99E-03	3.49E-03	3.58E-03	3.37E-03	9.82E-04	1.01E-03	2.00E-03	9.58E-04	9.89E-04	1.95E-03	9.45E-04	9.76E-04	1.92E-03
3669 473363.09, 3851377.25	0.02187	0.02262	3.32E-03	3.58E-03	3.13E-03	3.21E-03	3.02E-03	8.80E-04	9.10E-04	1.79E-03	8.59E-04	8.88E-04	1.75E-03	8.47E-04	8.76E-04	1.72E-03
3670 473863.09, 3851377.25	0.02385	0.02454	3.62E-03	3.89E-03	3.41E-03	3.50E-03	3.30E-03	9.60E-04	9.88E-04	1.95E-03	9.37E-04	9.64E-04	1.90E-03	9.24E-04	9.51E-04	1.88E-03
3671 474363.09, 3851377.25	0.03159	0.03198	4.80E-03	5.06E-03	4.52E-03	4.63E-03	4.37E-03	1.27E-03	1.29E-03	2.56E-03	1.24E-03	1.26E-03	2.50E-03	1.22E-03	1.24E-03	2.46E-03
3672 474863.09, 3851377.25	0.03664	0.03801	5.57E-03	6.02E-03	5.25E-03	5.37E-03	5.07E-03	1.47E-03	1.53E-03	3.00E-03	1.44E-03	1.49E-03	2.93E-03	1.42E-03	1.47E-03	2.89E-03
3673 475363.09, 3851377.25	0.03934	0.04058	5.98E-03	6.43E-03	5.63E-03	5.77E-03	5.44E-03	1.58E-03	1.63E-03	3.22E-03	1.54E-03	1.59E-03	3.14E-03	1.52E-03	1.57E-03	3.10E-03
3674 475863.09, 3851377.25	0.04335	0.04439	6.59E-03	7.03E-03	6.21E-03	6.36E-03	6.00E-03	1.74E-03	1.79E-03	3.53E-03	1.70E-03	1.74E-03	3.45E-03	1.68E-03	1.72E-03	3.40E-03
3675 476363.09, 3851377.25	0.04771	0.04899	7.25E-03	7.76E-03	6.83E-03	7.00E-03	6.60E-03	1.92E-03	1.97E-03	3.89E-03	1.87E-03	1.92E-03	3.80E-03	1.85E-03	1.90E-03	3.75E-03
3676 476863.09, 3851377.25	0.05498	0.05419	8.35E-03	8.58E-03	7.87E-03	8.06E-03	7.60E-03	2.21E-03	2.18E-03	4.39E-03	2.16E-03	2.13E-03	4.29E-03	2.13E-03	2.10E-03	4.23E-03
3677 477363.09, 3851377.25	0.06114	0.06192	9.29E-03	9.80E-03	8.75E-03	8.96E-03	8.46E-03	2.46E-03	2.49E-03	4.95E-03	2.40E-03	2.43E-03	4.83E-03	2.37E-03	2.40E-03	4.77E-03
3678 477863.09, 3851377.25	0.06717	0.06981	1.02E-02	1.11E-02	9.62E-03	9.85E-03	9.29E-03	2.70E-03	2.81E-03	5.51E-03	2.64E-03	2.74E-03	5.38E-03	2.60E-03	2.71E-03	5.31E-03
3679 478363.09, 3851377.25	0.07207	0.07731	1.10E-02	1.22E-02	1.03E-02	1.06E-02	9.97E-03	2.90E-03	3.11E-03	6.01E-03	2.83E-03	3.04E-03	5.87E-03	2.79E-03	3.00E-03	5.79E-03
3680 478863.09, 3851377.25	0.08173	0.08688	1.24E-02	1.38E-02	1.17E-02	1.20E-02	1.13E-02	3.29E-03	3.50E-03	6.79E-03	3.21E-03	3.41E-03	6.62E-03	3.17E-03	3.37E-03	6.53E-03
3681 479363.09, 3851377.25	0.10406	0.10666	1.58E-02	1.69E-02	1.49E-02	1.53E-02	1.44E-02	4.19E-03	4.29E-03	8.48E-03	4.09E-03	4.19E-03	8.27E-03	4.03E-03	4.13E-03	8.17E-03
3682 479863.09, 3851377.25	0.13978	0.14245	2.12E-02	2.26E-02	2.00E-02	2.05E-02	1.93E-02	5.63E-03	5.73E-03	1.14E-02	5.49E-03	5.59E-03	1.11E-02	5.42E-03	5.52E-03	1.09E-02
3683 480363.09, 3851377.25	0.24421	0.24847	3.71E-02	3.93E-02	3.50E-02	3.58E-02	3.38E-02	9.83E-03	1.00E-02	1.98E-02	9.59E-03	9.76E-03	1.93E-02	9.46E-03	9.63E-03	1.91E-02
3684 480863.09, 3851377.25	0.80109	0.81652	1.22E-01	1.29E-01	1.15E-01	1.17E-01	1.11E-01	3.22E-02	3.29E-02	6.51E-02	3.15E-02	3.21E-02	6.35E-02	3.10E-02	3.16E-02	6.27E-02
3685 481363.09, 3851377.25	0.23656	0.24114	3.59E-02	3.82E-02	3.39E-02	3.47E-02	3.27E-02	9.52E-03	9.70E-03	1.92E-02	9.29E-03	9.47E-03	1.88E-02	9.17E-03	9.34E-03	1.85E-02
3686 481863.09, 3851377.25	0.12107	0.12323	1.84E-02	1.95E-02	1.73E-02	1.78E-02	1.67E-02	4.87E-03	4.96E-03	9.83E-03	4.75E-03	4.84E-03	9.59E-03	4.69E-03	4.77E-03	9.47E-03
3687 482363.09, 3851377.25	0.07935	0.08034	1.21E-02	1.27E-02	1.14E-02	1.16E-02	1.10E-02	3.19E-03	3.23E-03	6.43E-03	3.12E-03	3.15E-03	6.27E-03	3.07E-03	3.11E-03	6.19E-03
3688 482863.09, 3851377.25	0.05554	0.05639	8.44E-03	8.93E-03	7.95E-03	8.14E-03	7.68E-03	2.24E-03	2.27E-03	4.50E-03	2.18E-03	2.21E-03	4.40E-03	2.15E-03	2.19E-03	4.34E-03
3689 483363.09, 3851377.25	0.04171	0.0422	6.34E-03	6.68E-03	5.97E-03	6.12E-03	5.77E-03	1.68E-03	1.70E-03	3.38E-03	1.64E-03	1.66E-03	3.30E-03	1.62E-03	1.64E-03	3.25E-03
3690 483863.09, 3851377.25	0.03639	0.03684	5.53E-03	5.83E-03	5.21E-03	5.34E-03	5.03E-03	1.46E-03	1.48E-03	2.95E-03	1.43E-03	1.45E-03	2.88E-03	1.41E-03	1.43E-03	2.84E-03
3691 484363.09, 3851377.25	0.0391	0.03989	5.94E-03	6.32E-03	5.60E-03	5.73E-03	5.41E-03	1.57E-03	1.61E-03	3.18E-03	1.54E-03	1.57E-03	3.10E-03	1.52E-03	1.55E-03	3.06E-03
3692 484863.09, 3851377.25	0.03228	0.03283	4.91E-03	5.20E-03	4.62E-03	4.73E-03	4.46E-03	1.30E-03	1.32E-03	2.62E-03	1.27E-03	1.29E-03	2.56E-03	1.25E-03	1.27E-03	2.52E-03

3693 485363.09, 3851377.25	0.03521	0.03634	5.35E-03	5.75E-03	5.04E-03	5.16E-03	4.87E-03	1.42E-03	1.46E-03	2.88E-03	1.38E-03	1.43E-03	2.81E-03	1.36E-03	1.41E-03	2.77E-03
3694 485863.09, 3851377.25	0.03072	0.03118	4.67E-03	4.94E-03	4.40E-03	4.50E-03	4.25E-03	1.24E-03	1.25E-03	2.49E-03	1.21E-03	1.22E-03	2.43E-03	1.19E-03	1.21E-03	2.40E-03
3695 486363.09, 3851377.25	0.02997	0.03098	4.55E-03	4.91E-03	4.29E-03	4.39E-03	4.15E-03	1.21E-03	1.25E-03	2.45E-03	1.18E-03	1.22E-03	2.39E-03	1.16E-03	1.20E-03	2.36E-03
3696 486863.09, 3851377.25	0.02713	0.02792	4.12E-03	4.42E-03	3.88E-03	3.98E-03	3.75E-03	1.09E-03	1.12E-03	2.22E-03	1.07E-03	1.10E-03	2.16E-03	1.05E-03	1.08E-03	2.13E-03
3697 487363.09, 3851377.25	0.02381	0.02486	3.62E-03	3.94E-03	3.41E-03	3.49E-03	3.29E-03	9.58E-04	1.00E-03	1.96E-03	9.35E-04	9.76E-04	1.91E-03	9.23E-04	9.63E-04	1.89E-03
3698 487863.09, 3851377.25	0.02363	0.02428	3.59E-03	3.84E-03	3.38E-03	3.46E-03	3.27E-03	9.51E-04	9.77E-04	1.93E-03	9.28E-04	9.53E-04	1.88E-03	9.16E-04	9.41E-04	1.86E-03
3699 488363.09, 3851377.25	0.02207	0.02293	3.35E-03	3.63E-03	3.16E-03	3.24E-03	3.05E-03	8.88E-04	9.23E-04	1.81E-03	8.67E-04	9.00E-04	1.77E-03	8.55E-04	8.89E-04	1.74E-03
3700 488863.09, 3851377.25	0.02065	0.02108	3.14E-03	3.34E-03	2.96E-03	3.03E-03	2.86E-03	8.31E-04	8.48E-04	1.68E-03	8.11E-04	8.28E-04	1.64E-03	8.00E-04	8.17E-04	1.62E-03
3701 489363.09, 3851377.25	0.01925	0.02009	2.93E-03	3.18E-03	2.76E-03	2.82E-03	2.66E-03	7.75E-04	8.08E-04	1.58E-03	7.56E-04	7.89E-04	1.54E-03	7.46E-04	7.78E-04	1.52E-03
3702 489863.09, 3851377.25	0.01782	0.01831	2.71E-03	2.90E-03	2.55E-03	2.61E-03	2.46E-03	7.17E-04	7.37E-04	1.45E-03	7.00E-04	7.19E-04	1.42E-03	6.90E-04	7.09E-04	1.40E-03
3703 490363.09, 3851377.25	0.01671	0.01743	2.54E-03	2.76E-03	2.39E-03	2.45E-03	2.31E-03	6.72E-04	7.01E-04	1.37E-03	6.56E-04	6.84E-04	1.34E-03	6.47E-04	6.75E-04	1.32E-03
3704 490863.09, 3851377.25	0.01599	0.01655	2.43E-03	2.62E-03	2.29E-03	2.34E-03	2.21E-03	6.43E-04	6.66E-04	1.31E-03	6.28E-04	6.50E-04	1.28E-03	6.20E-04	6.41E-04	1.26E-03
3705 491363.09, 3851377.25	0.01474	0.01525	2.24E-03	2.41E-03	2.11E-03	2.16E-03	2.04E-03	5.93E-04	6.14E-04	1.21E-03	5.79E-04	5.99E-04	1.18E-03	5.71E-04	5.91E-04	1.16E-03
3706 491863.09, 3851377.25	0.01366	0.01401	2.08E-03	2.22E-03	1.96E-03	2.00E-03	1.89E-03	5.50E-04	5.64E-04	1.11E-03	5.36E-04	5.50E-04	1.09E-03	5.29E-04	5.43E-04	1.07E-03
3707 492363.09, 3851377.25	0.01277	0.01327	1.94E-03	2.10E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	5.34E-04	1.05E-03	5.01E-04	5.21E-04	1.02E-03	4.95E-04	5.14E-04	1.01E-03
3708 492863.09, 3851377.25	0.01167	0.01221	1.77E-03	1.93E-03	1.67E-03	1.71E-03	1.61E-03	4.70E-04	4.91E-04	9.61E-04	4.58E-04	4.79E-04	9.38E-04	4.52E-04	4.73E-04	9.25E-04
3709 493363.09, 3851377.25	0.01034	0.01053	1.57E-03	1.67E-03	1.48E-03	1.52E-03	1.43E-03	4.16E-04	4.24E-04	8.40E-04	4.06E-04	4.14E-04	8.20E-04	4.01E-04	4.08E-04	8.09E-04
3710 493863.09, 3851377.25	0.01059	0.01079	1.61E-03	1.71E-03	1.52E-03	1.55E-03	1.46E-03	4.26E-04	4.34E-04	8.60E-04	4.16E-04	4.24E-04	8.40E-04	4.10E-04	4.18E-04	8.28E-04
3711 494363.09, 3851377.25	0.01163	0.01197	1.77E-03	1.90E-03	1.66E-03	1.71E-03	1.61E-03	4.68E-04	4.82E-04	9.50E-04	4.57E-04	4.70E-04	9.27E-04	4.51E-04	4.64E-04	9.14E-04
3712 494863.09, 3851377.25	0.01149	0.01181	1.75E-03	1.87E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	4.75E-04	9.38E-04	4.51E-04	4.64E-04	9.15E-04	4.45E-04	4.58E-04	9.03E-04
3713 495363.09, 3851377.25	0.01222	0.01294	1.86E-03	2.05E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	5.21E-04	1.01E-03	4.80E-04	5.08E-04	9.88E-04	4.74E-04	5.01E-04	9.75E-04
3714 495863.09, 3851377.25	0.01232	0.013	1.87E-03	2.06E-03	1.76E-03	1.81E-03	1.70E-03	4.96E-04	5.23E-04	1.02E-03	4.84E-04	5.11E-04	9.94E-04	4.77E-04	5.04E-04	9.81E-04
3715 496363.09, 3851377.25	0.01224	0.01276	1.86E-03	2.02E-03	1.75E-03	1.79E-03	1.69E-03	4.93E-04	5.14E-04	1.01E-03	4.81E-04	5.01E-04	9.82E-04	4.74E-04	4.94E-04	9.69E-04
3716 496863.09, 3851377.25	0.01191	0.01249	1.81E-03	1.98E-03	1.71E-03	1.75E-03	1.65E-03	4.79E-04	5.03E-04	9.82E-04	4.68E-04	4.90E-04	9.58E-04	4.61E-04	4.84E-04	9.45E-04
3717 497363.09, 3851377.25	0.01164	0.01207	1.77E-03	1.91E-03	1.67E-03	1.71E-03	1.61E-03	4.68E-04	4.86E-04	9.54E-04	4.57E-04	4.74E-04	9.31E-04	4.51E-04	4.68E-04	9.19E-04
3718 497863.09, 3851377.25	0.01117	0.01162	1.70E-03	1.84E-03	1.60E-03	1.64E-03	1.54E-03	4.50E-04	4.68E-04	9.17E-04	4.39E-04	4.56E-04	8.95E-04	4.33E-04	4.50E-04	8.83E-04
3719 498363.09, 3851377.25	0.01038	0.01084	1.58E-03	1.72E-03	1.49E-03	1.52E-03	1.44E-03	4.18E-04	4.36E-04	8.54E-04	4.08E-04	4.26E-04	8.33E-04	4.02E-04	4.20E-04	8.22E-04
3720 471363.09, 3851877.25	0.01924	0.02021	2.92E-03	3.20E-03	2.75E-03	2.82E-03	2.66E-03	7.74E-04	8.13E-04	1.59E-03	7.56E-04	7.94E-04	1.55E-03	7.46E-04	7.83E-04	1.53E-03
3721 471863.09, 3851877.25	0.01914	0.01999	2.91E-03	3.17E-03	2.74E-03	2.81E-03	2.65E-03	7.70E-04	8.04E-04	1.57E-03	7.52E-04	7.85E-04	1.54E-03	7.42E-04	7.75E-04	1.52E-03
3722 472363.09, 3851877.25	0.02163	0.02172	3.29E-03	3.44E-03	3.10E-03	3.17E-03	2.99E-03	8.70E-04	8.74E-04	1.74E-03	8.49E-04	8.53E-04	1.70E-03	8.38E-04	8.42E-04	1.68E-03
3723 472863.09, 3851877.25	0.02361	0.02298	3.59E-03	3.64E-03	3.38E-03	3.46E-03	3.27E-03	9.50E-04	9.25E-04	1.87E-03	9.27E-04	9.02E-04	1.83E-03	9.15E-04	8.90E-04	1.81E-03
3724 473363.09, 3851877.25	0.02219	0.02123	3.37E-03	3.36E-03	3.18E-03	3.25E-03	3.07E-03	8.93E-04	8.54E-04	1.75E-03	8.71E-04	8.34E-04	1.71E-03	8.60E-04	8.23E-04	1.68E-03
3725 473863.09, 3851877.25	0.02147	0.02129	3.26E-03	3.37E-03	3.07E-03	3.15E-03	2.97E-03	8.64E-04	8.57E-04	1.72E-03	8.43E-04	8.36E-04	1.68E-03	8.32E-04	8.25E-04	1.66E-03
3726 474363.09, 3851877.25	0.02403	0.02542	3.65E-03	4.02E-03	3.44E-03	3.52E-03	3.32E-03	9.67E-04	1.02E-03	1.99E-03	9.44E-04	9.98E-04	1.94E-03	9.31E-04	9.85E-04	1.92E-03
3727 474863.09, 3851877.25	0.0304	0.03143	4.62E-03	4.98E-03	4.35E-03	4.46E-03	4.20E-03	1.22E-03	1.26E-03	2.49E-03	1.19E-03	1.23E-03	2.43E-03	1.18E-03	1.22E-03	2.40E-03
3728 475363.09, 3851877.25	0.03517	0.03579	5.34E-03	5.67E-03	5.03E-03	5.16E-03	4.86E-03	1.42E-03	1.44E-03	2.86E-03	1.38E-03	1.41E-03	2.79E-03	1.36E-03	1.39E-03	2.75E-03
3729 475863.09, 3851877.25	0.03754	0.03858	5.70E-03	6.11E-03	5.37E-03	5.50E-03	5.19E-03	1.51E-03	1.55E-03	3.06E-03	1.47E-03	1.52E-03	2.99E-03	1.45E-03	1.49E-03	2.95E-03
3730 476363.09, 3851877.25	0.03686	0.03849	5.60E-03	6.09E-03	5.28E-03	5.40E-03	5.10E-03	1.48E-03	1.55E-03	3.03E-03	1.45E-03	1.51E-03	2.96E-03	1.43E-03	1.49E-03	2.92E-03
3731 476863.09, 3851877.25	0.04158	0.0421	6.32E-03	6.67E-03	5.95E-03	6.10E-03	5.75E-03	1.67E-03	1.69E-03	3.37E-03	1.63E-03	1.65E-03	3.29E-03	1.61E-03	1.63E-03	3.24E-03
3732 477363.09, 3851877.25	0.04719	0.04624	7.17E-03	7.32E-03	6.76E-03	6.92E-03	6.53E-03	1.90E-03	1.86E-03	3.76E-03	1.85E-03	1.82E-03	3.67E-03	1.83E-03	1.79E-03	3.62E-03
3733 477863.09, 3851877.25	0.05284	0.05298	8.03E-03	8.39E-03	7.56E-03	7.75E-03	7.31E-03	2.13E-03	2.13E-03	4.26E-03	2.08E-03	2.08E-03	4.16E-03	2.05E-03	2.05E-03	4.10E-03
3734 478363.09, 3851877.25	0.05655	0.05841	8.59E-03	9.25E-03	8.10E-03	8.29E-03	7.82E-03	2.28E-03	2.35E-03	4.63E-03	2.22E-03	2.29E-03	4.51E-03	2.19E-03	2.26E-03	4.45E-03
3735 478863.09, 3851877.25	0.06342	0.06527	9.64E-03	1.03E-02	9.08E-03	9.30E-03	8.77E-03	2.55E-03	2.63E-03	5.18E-03	2.49E-03	2.56E-03	5.05E-03	2.46E-03	2.53E-03	4.99E-03
3736 479363.09, 3851877.25	0.06763	0.0731	1.03E-02	1.16E-02	9.68E-03	9.92E-03	9.35E-03	2.72E-03	2.94E-03	5.66E-03	2.66E-03	2.87E-03	5.53E-03	2.62E-03	2.83E-03	5.45E-03
3737 479863.09, 3851877.25	0.07877	0.08336	1.20E-02	1.32E-02	1.13E-02	1.15E-02	1.09E-02	3.17E-03	3.35E-03	6.52E-03	3.09E-03	3.27E-03	6.37E-03	3.05E-03	3.23E-03	6.28E-03
3738 480363.09, 3851877.25	0.10627	0.10941	1.61E-02	1.73E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.40E-03	8.68E-03	4.17E-03	4.30E-03	8.47E-03	4.12E-03	4.24E-03	8.36E-03
3739 480863.09, 3851877.25	0.15065	0.15102	2.29E-02	2.39E-02	2.16E-02	2.21E-02	2.08E-02	6.06E-03	6.08E-03	1.21E-02	5.92E-03	5.93E-03	1.18E-02	5.84E-03	5.85E-03	1.17E-02
3740 481363.09, 3851877.25	0.41877	0.42512	6.36E-02	6.73E-02	6.00E-02	6.14E-02	5.79E-02	1.69E-02	1.71E-02	3.40E-02	1.64E-02	1.67E-02	3.31E-02	1.62E-02	1.65E-02	3.27E-02
3741 481863.09, 3851877.25	0.20368	0.20506	3.09E-02	3.25E-02	2.92E-02	2.99E-02	2.82E-02	8.20E-03	8.25E-03	1.64E-02	8.00E-03	8.05E-03	1.61E-02	7.89E-03	7.95E-03	1.58E-02
3742 482363.09, 3851877.25	0.08971	0.09299	1.36E-02	1.47E-02	1.28E-02	1.32E-02	1.24E-02	3.61E-03	3.74E-03	7.35E-03	3.52E-03	3.65E-03	7.17E-03	3.48E-03	3.60E-03	7.08E-03
3743 482863.09, 3851877.25	0.05714	0.05866	8.68E-03	9.29E-03	8.18E-03	8.38E-03	7.90E-03	2.30E-03	2.36E-03	4.66E-03	2.24E-03	2.30E-03	4.55E-03	2.21E-03	2.27E-03	4.49E-03
3744 483363.09, 3851877.25	0.05425	0.05559	8.24E-03	8.80E-03	7.77E-03	7.95E-03	7.50E-03	2.18E-03	2.24E-03	4.42E-03	2.13E-03	2.18E-03	4.31E-03	2.10E-03	2.15E-03	4.26E-03
3745 483863.09, 3851877.25	0.04548	0.04651	6.91E-03	7.36E-03	6.51E-03	6.67E-03	6.29E-03	1.83E-03	1.87E-03	3.70E-03	1.79E-03	1.83E-03	3.61E-03	1.76E-03	1.80E-03	3.56E-03
3746 484363.09, 3851877.25	0.04244	0.04367	6.45E-03	6.91E-03	6.08E-03	6.22E-03	5.87E-03	1.71E-03	1.76E-03	3.47E-03	1.67E-03	1.71E-03	3.38E-03	1.64E-03	1.69E-03	3.34E-03
3747 484863.09, 3851877.25	0.03783	0.03834	5.75E-03	6.07E-03	5.42E-03	5.55E-03	5.23E-03	1.52E-03	1.54E-03	3.07E-03	1.49E-03	1.51E-03	2.99E-03	1.47E-03	1.49E-03	2.95E-03
3748 485363.09, 3851877.25	0.03566	0.03759	5.42E-03	5.95E-03	5.11E-03	5.23E-03	4.93E-03	1.44E-03	1.51E-03	2.95E-03	1.40E-03	1.48E-03	2.88E-03	1.38E-03	1.46E-03	2.84E-03
3749 485863.09, 3851877.25	0.0346	0.03579	5.26E-03	5.67E-03	4.95E-03	5.07E-03	4.79E-03	1.39E-03	1.44E-03	2.83E-03	1.36E-03	1.41E-03	2.76E-03	1.34E-03	1.39E-03	2.73E-03
3750 486363.09, 3851877.25	0.03076	0.03206	4.67E-03	5.08E-03	4.40E-03	4.51E-03	4.25E-03	1.24E-03	1.29E-03	2.53E-03	1.21E-03	1.26E-03	2.47E-03	1.19E-03	1.24E-03	2.43E-03
3751 486863.09, 3851877.25	0.02909	0.03047	4.42E-03	4.82E-03	4.16E-03	4.27E-03	4.02E-03	1.17E-03	1.23E-03	2.40E-03	1.14E-03	1.20E-03	2.34E-03	1.13E-03	1.18E-03	2.31E-03
3752 487363.09, 3851877.25	0.02668	0.0282	4.05E-03	4.46E-03	3.82E-03	3.91E-03	3.69E-03	1.07E-03	1.13E-03	2.21E-03	1.05E-03	1.11E-03	2.16E-03	1.03E-03	1.09E-03	2.13E-03
3753 487863.09, 3851877.25	0.02402	0.02559	3.65E-03	4.05E-03	3.44E-03	3.52E-03	3.32E-03	9.67E-04	1.03E-03	2.00E-03	9.43E-04	1.00E-03	1.95E-03	9.31E-04	9.92E-04	1.92E-03
3754 488363.09, 3851877.25	0.02294	0.024	3.49E-03	3.80E-03	3.28E-03	3.36E-03	3.17E-03	9.23E-04	9.66E-04	1.89E-03	9.01E-04	9.42E-04	1.84E-03	8.89E-04	9.30E-04	1.82E-03
3755 488863.09, 3851877.25	0.02052	0.02189	3.12E-03	3.47E-03	2.94E-03	3.01E-03	2.84E-03	8.26E-04	8.81E-04	1.71E-03	8.06E-04	8.60E-04	1.67E-03	7.95E-04	8.48E-04	1.64E-03
3756 489363.09, 3851877.25	0.01885	0.01989	2.86E-03	3.15E-03	2.70E-03	2.76E-03	2.61E-03	7.59E-04	8.00E-04	1.56E-03	7.40E-04	7.81E-04	1.52E-03	7.30E-04	7.71E-04	1.50E-03
3757 489863.09, 3851877.25	0.01776	0.01815	2.70E-03	2.87E-03	2.54E-03	2.60E-03	2.46E-03	7.15E-04	7.30E-04	1.45E-03	6.97E-04	7.13E-04	1.41E-03	6.88E-04	7.03E-04	1.39E-03
3758 490363.09, 3851877.25	0.01652	0.01711	2.51E-03	2.71E-03	2.36E-03	2.42E-03	2.28E-03	6.65E-04	6.89E-04	1.35E-03	6.49E-04	6.72E-04	1.32E-03	6.40E-04	6.63E-04	1.30E-03

3759 490863.09, 3851877.25	0.01575	0.01636	2.39E-03	2.59E-03	2.25E-03	2.31E-03	2.18E-03	6.34E-04	6.58E-04	1.29E-03	6.18E-04	6.42E-04	1.26E-03	6.10E-04	6.34E-04	1.24E-03
3760 491363.09, 3851877.25	0.01542	0.01583	2.34E-03	2.51E-03	2.21E-03	2.26E-03	2.13E-03	6.21E-04	6.37E-04	1.26E-03	6.06E-04	6.22E-04	1.23E-03	5.98E-04	6.13E-04	1.21E-03
3761 491863.09, 3851877.25	0.01475	0.01538	2.24E-03	2.44E-03	2.11E-03	2.16E-03	2.04E-03	5.94E-04	6.19E-04	1.21E-03	5.79E-04	6.04E-04	1.18E-03	5.72E-04	5.96E-04	1.17E-03
3762 492363.09, 3851877.25	0.01387	0.01434	2.11E-03	2.27E-03	1.99E-03	2.03E-03	1.92E-03	5.58E-04	5.77E-04	1.14E-03	5.45E-04	5.63E-04	1.11E-03	5.37E-04	5.56E-04	1.09E-03
3763 492863.09, 3851877.25	0.01166	0.01202	1.77E-03	1.90E-03	1.67E-03	1.71E-03	1.61E-03	4.69E-04	4.84E-04	9.53E-04	4.58E-04	4.72E-04	9.30E-04	4.52E-04	4.66E-04	9.18E-04
3764 493363.09, 3851877.25	0.01275	0.01343	1.94E-03	2.13E-03	1.83E-03	1.87E-03	1.76E-03	5.13E-04	5.40E-04	1.05E-03	5.01E-04	5.27E-04	1.03E-03	4.94E-04	5.20E-04	1.01E-03
3765 493863.09, 3851877.25	0.014	0.01461	2.13E-03	2.31E-03	2.00E-03	2.05E-03	1.94E-03	5.63E-04	5.88E-04	1.15E-03	5.50E-04	5.74E-04	1.12E-03	5.42E-04	5.66E-04	1.11E-03
3766 494363.09, 3851877.25	0.01322	0.01381	2.01E-03	2.19E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	5.56E-04	1.09E-03	5.19E-04	5.42E-04	1.06E-03	5.12E-04	5.35E-04	1.05E-03
3767 494863.09, 3851877.25	0.01345	0.01438	2.04E-03	2.28E-03	1.93E-03	1.97E-03	1.86E-03	5.41E-04	5.79E-04	1.12E-03	5.28E-04	5.65E-04	1.09E-03	5.21E-04	5.57E-04	1.08E-03
3768 495363.09, 3851877.25	0.01334	0.01455	2.03E-03	2.30E-03	1.91E-03	1.96E-03	1.85E-03	5.37E-04	5.86E-04	1.12E-03	5.24E-04	5.71E-04	1.10E-03	5.17E-04	5.64E-04	1.08E-03
3769 495863.09, 3851877.25	0.01328	0.01437	2.02E-03	2.28E-03	1.90E-03	1.95E-03	1.84E-03	5.34E-04	5.78E-04	1.11E-03	5.22E-04	5.64E-04	1.09E-03	5.15E-04	5.57E-04	1.07E-03
3770 496363.09, 3851877.25	0.01298	0.01392	1.97E-03	2.20E-03	1.86E-03	1.90E-03	1.80E-03	5.22E-04	5.60E-04	1.08E-03	5.10E-04	5.47E-04	1.06E-03	5.03E-04	5.39E-04	1.04E-03
3771 496863.09, 3851877.25	0.01249	0.01341	1.90E-03	2.12E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	5.40E-04	1.04E-03	4.90E-04	5.27E-04	1.02E-03	4.84E-04	5.20E-04	1.00E-03
3772 497363.09, 3851877.25	0.012	0.01284	1.82E-03	2.03E-03	1.72E-03	1.76E-03	1.66E-03	4.83E-04	5.17E-04	1.00E-03	4.71E-04	5.04E-04	9.75E-04	4.65E-04	4.98E-04	9.63E-04
3773 497863.09, 3851877.25	0.01123	0.01184	1.71E-03	1.87E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	4.76E-04	9.28E-04	4.41E-04	4.65E-04	9.06E-04	4.35E-04	4.59E-04	8.94E-04
3774 498363.09, 3851877.25	0.01035	0.01086	1.57E-03	1.72E-03	1.48E-03	1.52E-03	1.43E-03	4.17E-04	4.37E-04	8.54E-04	4.06E-04	4.26E-04	8.33E-04	4.01E-04	4.21E-04	8.22E-04
3775 471363.09, 3852377.25	0.01565	0.01614	2.38E-03	2.56E-03	2.24E-03	2.29E-03	2.16E-03	6.30E-04	6.50E-04	1.28E-03	6.15E-04	6.34E-04	1.25E-03	6.06E-04	6.25E-04	1.23E-03
3776 471863.09, 3852377.25	0.01754	0.01829	2.67E-03	2.90E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	7.36E-04	1.44E-03	6.89E-04	7.18E-04	1.41E-03	6.80E-04	7.09E-04	1.39E-03
3777 472363.09, 3852377.25	0.01982	0.01975	3.01E-03	3.13E-03	2.84E-03	2.91E-03	2.74E-03	7.98E-04	7.95E-04	1.59E-03	7.78E-04	7.76E-04	1.55E-03	7.68E-04	7.65E-04	1.53E-03
3778 472863.09, 3852377.25	0.02177	0.02133	3.31E-03	3.38E-03	3.12E-03	3.19E-03	3.01E-03	8.76E-04	8.58E-04	1.73E-03	8.55E-04	8.38E-04	1.69E-03	8.44E-04	8.27E-04	1.67E-03
3779 473363.09, 3852377.25	0.02105	0.02338	3.20E-03	3.70E-03	3.01E-03	3.09E-03	2.91E-03	8.47E-04	9.41E-04	1.79E-03	8.27E-04	9.18E-04	1.74E-03	8.16E-04	9.06E-04	1.72E-03
3780 473863.09, 3852377.25	0.02206	0.02277	3.35E-03	3.61E-03	3.16E-03	3.23E-03	3.05E-03	8.88E-04	9.16E-04	1.80E-03	8.66E-04	8.94E-04	1.76E-03	8.55E-04	8.82E-04	1.74E-03
3781 474363.09, 3852377.25	0.02193	0.0215	3.33E-03	3.40E-03	3.14E-03	3.22E-03	3.03E-03	8.83E-04	8.65E-04	1.75E-03	8.61E-04	8.44E-04	1.71E-03	8.50E-04	8.33E-04	1.68E-03
3782 474863.09, 3852377.25	0.02608	0.02619	3.96E-03	4.15E-03	3.73E-03	3.82E-03	3.61E-03	1.05E-03	1.05E-03	2.10E-03	1.02E-03	1.03E-03	2.05E-03	1.01E-03	1.01E-03	2.03E-03
3783 475363.09, 3852377.25	0.02726	0.02766	4.14E-03	4.38E-03	3.90E-03	4.00E-03	3.77E-03	1.10E-03	1.11E-03	2.21E-03	1.07E-03	1.09E-03	2.16E-03	1.06E-03	1.07E-03	2.13E-03
3784 475863.09, 3852377.25	0.02832	0.02974	4.30E-03	4.71E-03	4.05E-03	4.15E-03	3.92E-03	1.14E-03	1.20E-03	2.34E-03	1.11E-03	1.17E-03	2.28E-03	1.10E-03	1.15E-03	2.25E-03
3785 476363.09, 3852377.25	0.02885	0.02979	4.38E-03	4.72E-03	4.13E-03	4.23E-03	3.99E-03	1.16E-03	1.20E-03	2.36E-03	1.13E-03	1.17E-03	2.30E-03	1.12E-03	1.15E-03	2.27E-03
3786 476863.09, 3852377.25	0.03092	0.03198	4.70E-03	5.06E-03	4.43E-03	4.53E-03	4.28E-03	1.24E-03	1.29E-03	2.53E-03	1.21E-03	1.26E-03	2.47E-03	1.20E-03	1.24E-03	2.44E-03
3787 477363.09, 3852377.25	0.03271	0.03259	4.97E-03	5.16E-03	4.68E-03	4.80E-03	4.52E-03	1.32E-03	1.31E-03	2.63E-03	1.28E-03	1.28E-03	2.56E-03	1.27E-03	1.26E-03	2.53E-03
3788 477863.09, 3852377.25	0.02636	0.02935	4.01E-03	4.65E-03	3.77E-03	3.87E-03	3.65E-03	1.06E-03	1.18E-03	2.24E-03	1.04E-03	1.15E-03	2.19E-03	1.02E-03	1.14E-03	2.16E-03
3789 478363.09, 3852377.25	0.02642	0.02706	4.01E-03	4.28E-03	3.78E-03	3.87E-03	3.65E-03	1.06E-03	1.09E-03	2.15E-03	1.04E-03	1.06E-03	2.10E-03	1.02E-03	1.05E-03	2.07E-03
3790 478863.09, 3852377.25	0.03367	0.03697	5.12E-03	5.85E-03	4.82E-03	4.94E-03	4.66E-03	1.35E-03	1.49E-03	2.84E-03	1.32E-03	1.45E-03	2.77E-03	1.30E-03	1.43E-03	2.74E-03
3791 479363.09, 3852377.25	0.04047	0.04251	6.15E-03	6.73E-03	5.79E-03	5.93E-03	5.60E-03	1.63E-03	1.71E-03	3.34E-03	1.59E-03	1.67E-03	3.26E-03	1.57E-03	1.65E-03	3.22E-03
3792 479863.09, 3852377.25	0.05701	0.05962	8.66E-03	9.44E-03	8.16E-03	8.36E-03	7.88E-03	2.29E-03	2.40E-03	4.69E-03	2.24E-03	2.34E-03	4.58E-03	2.21E-03	2.31E-03	4.52E-03
3793 480363.09, 3852377.25	0.0717	0.07652	1.09E-02	1.21E-02	1.03E-02	1.05E-02	9.92E-03	2.89E-03	3.08E-03	5.96E-03	2.82E-03	3.00E-03	5.82E-03	2.78E-03	2.97E-03	5.74E-03
3794 480863.09, 3852377.25	0.08874	0.09205	1.35E-02	1.46E-02	1.27E-02	1.30E-02	1.23E-02	3.57E-03	3.70E-03	7.28E-03	3.48E-03	3.61E-03	7.10E-03	3.44E-03	3.57E-03	7.01E-03
3795 481363.09, 3852377.25	0.13276	0.13254	2.02E-02	2.10E-02	1.90E-02	1.95E-02	1.84E-02	5.34E-03	5.33E-03	1.07E-02	5.21E-03	5.20E-03	1.04E-02	5.14E-03	5.14E-03	1.03E-02
3796 481863.09, 3852377.25	0.47595	0.48382	7.23E-02	7.66E-02	6.81E-02	6.98E-02	6.58E-02	1.92E-02	1.95E-02	3.86E-02	1.87E-02	1.90E-02	3.77E-02	1.84E-02	1.87E-02	3.72E-02
3797 482363.09, 3852377.25	0.17804	0.17773	2.71E-02	2.81E-02	2.55E-02	2.61E-02	2.46E-02	7.16E-03	7.15E-03	1.43E-02	6.99E-03	6.98E-03	1.40E-02	6.90E-03	6.89E-03	1.38E-02
3798 482863.09, 3852377.25	0.0813	0.08747	1.24E-02	1.38E-02	1.16E-02	1.19E-02	1.12E-02	3.27E-03	3.52E-03	6.79E-03	3.19E-03	3.43E-03	6.63E-03	3.15E-03	3.39E-03	6.54E-03
3799 483363.09, 3852377.25	0.05252	0.05595	7.98E-03	8.86E-03	7.52E-03	7.70E-03	7.26E-03	2.11E-03	2.25E-03	4.37E-03	2.06E-03	2.20E-03	4.26E-03	2.04E-03	2.17E-03	4.20E-03
3800 483863.09, 3852377.25	0.04684	0.04846	7.12E-03	7.67E-03	6.71E-03	6.87E-03	6.48E-03	1.88E-03	1.95E-03	3.84E-03	1.84E-03	1.90E-03	3.74E-03	1.81E-03	1.88E-03	3.69E-03
3801 484363.09, 3852377.25	0.04737	0.04912	7.20E-03	7.78E-03	6.78E-03	6.95E-03	6.55E-03	1.91E-03	1.98E-03	3.88E-03	1.86E-03	1.93E-03	3.79E-03	1.84E-03	1.90E-03	3.74E-03
3802 484863.09, 3852377.25	0.04389	0.04597	6.67E-03	7.28E-03	6.28E-03	6.44E-03	6.07E-03	1.77E-03	1.85E-03	3.62E-03	1.72E-03	1.81E-03	3.53E-03	1.70E-03	1.78E-03	3.48E-03
3803 485363.09, 3852377.25	0.04204	0.04361	6.39E-03	6.90E-03	6.02E-03	6.16E-03	5.81E-03	1.69E-03	1.76E-03	3.45E-03	1.65E-03	1.71E-03	3.36E-03	1.63E-03	1.69E-03	3.32E-03
3804 485863.09, 3852377.25	0.03587	0.03854	5.45E-03	6.10E-03	5.14E-03	5.26E-03	4.96E-03	1.44E-03	1.55E-03	2.99E-03	1.41E-03	1.51E-03	2.92E-03	1.39E-03	1.49E-03	2.88E-03
3805 486363.09, 3852377.25	0.03149	0.03323	4.78E-03	5.26E-03	4.51E-03	4.62E-03	4.36E-03	1.27E-03	1.34E-03	2.60E-03	1.24E-03	1.30E-03	2.54E-03	1.22E-03	1.29E-03	2.51E-03
3806 486863.09, 3852377.25	0.02868	0.03	4.36E-03	4.75E-03	4.11E-03	4.21E-03	3.97E-03	1.15E-03	1.21E-03	2.36E-03	1.13E-03	1.18E-03	2.30E-03	1.11E-03	1.16E-03	2.27E-03
3807 487363.09, 3852377.25	0.02561	0.02698	3.89E-03	4.27E-03	3.67E-03	3.76E-03	3.54E-03	1.03E-03	1.09E-03	2.12E-03	1.01E-03	1.06E-03	2.07E-03	9.92E-04	1.05E-03	2.04E-03
3808 487863.09, 3852377.25	0.02347	0.02496	3.57E-03	3.95E-03	3.36E-03	3.44E-03	3.25E-03	9.45E-04	1.00E-03	1.95E-03	9.22E-04	9.80E-04	1.90E-03	9.09E-04	9.67E-04	1.88E-03
3809 488363.09, 3852377.25	0.02164	0.02266	3.29E-03	3.59E-03	3.10E-03	3.17E-03	2.99E-03	8.71E-04	9.12E-04	1.78E-03	8.50E-04	8.90E-04	1.74E-03	8.39E-04	8.78E-04	1.72E-03
3810 488863.09, 3852377.25	0.01921	0.01984	2.92E-03	3.14E-03	2.75E-03	2.82E-03	2.66E-03	7.73E-04	7.98E-04	1.57E-03	7.54E-04	7.79E-04	1.53E-03	7.44E-04	7.69E-04	1.51E-03
3811 489363.09, 3852377.25	0.01705	0.01766	2.59E-03	2.80E-03	2.44E-03	2.50E-03	2.36E-03	6.86E-04	7.11E-04	1.40E-03	6.70E-04	6.94E-04	1.36E-03	6.61E-04	6.84E-04	1.34E-03
3812 489863.09, 3852377.25	0.0153	0.01578	2.32E-03	2.50E-03	2.19E-03	2.24E-03	2.12E-03	6.16E-04	6.35E-04	1.25E-03	6.01E-04	6.20E-04	1.22E-03	5.93E-04	6.11E-04	1.20E-03
3813 490363.09, 3852377.25	0.01588	0.01634	2.41E-03	2.59E-03	2.27E-03	2.33E-03	2.20E-03	6.39E-04	6.58E-04	1.30E-03	6.24E-04	6.42E-04	1.27E-03	6.15E-04	6.33E-04	1.25E-03
3814 490863.09, 3852377.25	0.01582	0.01648	2.40E-03	2.61E-03	2.26E-03	2.32E-03	2.19E-03	6.37E-04	6.63E-04	1.30E-03	6.21E-04	6.47E-04	1.27E-03	6.13E-04	6.39E-04	1.25E-03
3815 491363.09, 3852377.25	0.01724	0.01822	2.62E-03	2.88E-03	2.47E-03	2.53E-03	2.38E-03	6.94E-04	7.33E-04	1.43E-03	6.77E-04	7.15E-04	1.39E-03	6.68E-04	7.06E-04	1.37E-03
3816 491863.09, 3852377.25	0.0167	0.01751	2.54E-03	2.77E-03	2.39E-03	2.45E-03	2.31E-03	6.72E-04	7.05E-04	1.38E-03	6.56E-04	6.88E-04	1.34E-03	6.47E-04	6.78E-04	1.33E-03
3817 492363.09, 3852377.25	0.01614	0.01667	2.45E-03	2.64E-03	2.31E-03	2.37E-03	2.23E-03	6.50E-04	6.71E-04	1.32E-03	6.34E-04	6.55E-04	1.29E-03	6.25E-04	6.46E-04	1.27E-03
3818 492863.09, 3852377.25	0.0159	0.01681	2.42E-03	2.66E-03	2.28E-03	2.33E-03	2.20E-03	6.40E-04	6.76E-04	1.32E-03	6.24E-04	6.60E-04	1.28E-03	6.16E-04	6.51E-04	1.27E-03
3819 493363.09, 3852377.25	0.01605	0.01727	2.44E-03	2.73E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	6.95E-04	1.34E-03	6.30E-04	6.78E-04	1.31E-03	6.22E-04	6.69E-04	1.29E-03
3820 493863.09, 3852377.25	0.01537	0.01666	2.34E-03	2.64E-03	2.20E-03	2.25E-03	2.13E-03	6.19E-04	6.70E-04	1.29E-03	6.04E-04	6.54E-04	1.26E-03	5.96E-04	6.46E-04	1.24E-03
3821 494363.09, 3852377.25	0.0147	0.0161	2.23E-03	2.55E-03	2.10E-03	2.16E-03	2.03E-03	5.92E-04	6.48E-04	1.24E-03	5.77E-04	6.32E-04	1.21E-03	5.70E-04	6.24E-04	1.19E-03
3822 494863.09, 3852377.25	0.01504	0.01657	2.29E-03	2.62E-03	2.15E-03	2.21E-03	2.08E-03	6.05E-04	6.67E-04	1.27E-03	5.91E-04	6.51E-04	1.24E-03	5.83E-04	6.42E-04	1.22E-03
3823 495363.09, 3852377.25	0.01525	0.01686	2.32E-03	2.67E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	6.78E-04	1.29E-03	5.99E-04	6.62E-04	1.26E-03	5.91E-04	6.53E-04	1.24E-03
3824 495863.09, 3852377.25	0.01415	0.01593	2.15E-03	2.52E-03	2.03E-03	2.07E-03	1.96E-03	5.69E-04	6.41E-04	1.21E-03	5.56E-04	6.26E-04	1.18E-03	5.48E-04	6.17E-04	1.17E-03

3825 496363.09, 3852377.25	0.01332	0.01466	2.02E-03	2.32E-03	1.91E-03	1.95E-03	1.84E-03	5.36E-04	5.90E-04	1.13E-03	5.23E-04	5.76E-04	1.10E-03	5.16E-04	5.68E-04	1.08E-03
3826 496863.09, 3852377.25	0.01295	0.01407	1.97E-03	2.23E-03	1.85E-03	1.90E-03	1.79E-03	5.21E-04	5.66E-04	1.09E-03	5.09E-04	5.53E-04	1.06E-03	5.02E-04	5.45E-04	1.05E-03
3827 497363.09, 3852377.25	0.0122	0.013	1.85E-03	2.06E-03	1.75E-03	1.79E-03	1.69E-03	4.91E-04	5.23E-04	1.01E-03	4.79E-04	5.11E-04	9.90E-04	4.73E-04	5.04E-04	9.76E-04
3828 497863.09, 3852377.25	0.01109	0.01184	1.69E-03	1.87E-03	1.59E-03	1.63E-03	1.53E-03	4.46E-04	4.76E-04	9.23E-04	4.36E-04	4.65E-04	9.00E-04	4.30E-04	4.59E-04	8.89E-04
3829 498363.09, 3852377.25	0.01034	0.01092	1.57E-03	1.73E-03	1.48E-03	1.52E-03	1.43E-03	4.16E-04	4.39E-04	8.56E-04	4.06E-04	4.29E-04	8.35E-04	4.01E-04	4.23E-04	8.24E-04
3830 471363.09, 3852877.25	0.01572	0.01601	2.39E-03	2.53E-03	2.25E-03	2.30E-03	2.17E-03	6.33E-04	6.44E-04	1.28E-03	6.17E-04	6.29E-04	1.25E-03	6.09E-04	6.20E-04	1.23E-03
3831 471863.09, 3852877.25	0.01695	0.01752	2.58E-03	2.77E-03	2.43E-03	2.49E-03	2.34E-03	6.82E-04	7.05E-04	1.39E-03	6.66E-04	6.88E-04	1.35E-03	6.57E-04	6.79E-04	1.34E-03
3832 472363.09, 3852877.25	0.01787	0.01924	2.72E-03	3.05E-03	2.56E-03	2.62E-03	2.47E-03	7.19E-04	7.74E-04	1.49E-03	7.02E-04	7.56E-04	1.46E-03	6.92E-04	7.46E-04	1.44E-03
3833 472863.09, 3852877.25	0.01855	0.02014	2.82E-03	3.19E-03	2.66E-03	2.72E-03	2.57E-03	7.47E-04	8.10E-04	1.56E-03	7.28E-04	7.91E-04	1.52E-03	7.19E-04	7.80E-04	1.50E-03
3834 473363.09, 3852877.25	0.02021	0.02179	3.07E-03	3.45E-03	2.89E-03	2.96E-03	2.80E-03	8.13E-04	8.77E-04	1.69E-03	7.94E-04	8.56E-04	1.65E-03	7.83E-04	8.44E-04	1.63E-03
3835 473863.09, 3852877.25	0.02174	0.02316	3.30E-03	3.67E-03	3.11E-03	3.19E-03	3.01E-03	8.75E-04	9.32E-04	1.81E-03	8.54E-04	9.09E-04	1.76E-03	8.42E-04	8.97E-04	1.74E-03
3836 474363.09, 3852877.25	0.02298	0.02438	3.49E-03	3.86E-03	3.29E-03	3.37E-03	3.18E-03	9.25E-04	9.81E-04	1.91E-03	9.02E-04	9.57E-04	1.86E-03	8.90E-04	9.45E-04	1.84E-03
3837 474863.09, 3852877.25	0.02193	0.02253	3.33E-03	3.57E-03	3.14E-03	3.22E-03	3.03E-03	8.83E-04	9.07E-04	1.79E-03	8.61E-04	8.85E-04	1.75E-03	8.50E-04	8.73E-04	1.72E-03
3838 475363.09, 3852877.25	0.02453	0.02453	3.73E-03	3.88E-03	3.51E-03	3.60E-03	3.39E-03	9.87E-04	9.87E-04	1.97E-03	9.63E-04	9.63E-04	1.93E-03	9.51E-04	9.51E-04	1.90E-03
3839 475863.09, 3852877.25	0.02526	0.02521	3.84E-03	3.99E-03	3.62E-03	3.70E-03	3.49E-03	1.02E-03	1.01E-03	2.03E-03	9.92E-04	9.90E-04	1.98E-03	9.79E-04	9.77E-04	1.96E-03
3840 476363.09, 3852877.25	0.02279	0.02336	3.46E-03	3.70E-03	3.26E-03	3.34E-03	3.15E-03	9.17E-04	9.40E-04	1.86E-03	8.95E-04	9.17E-04	1.81E-03	8.83E-04	9.05E-04	1.79E-03
3841 476863.09, 3852877.25	0.02192	0.02274	3.33E-03	3.60E-03	3.14E-03	3.21E-03	3.03E-03	8.82E-04	9.15E-04	1.80E-03	8.61E-04	8.93E-04	1.75E-03	8.49E-04	8.81E-04	1.73E-03
3842 477363.09, 3852877.25	0.02081	0.02221	3.16E-03	3.52E-03	2.98E-03	3.05E-03	2.88E-03	8.37E-04	8.94E-04	1.73E-03	8.17E-04	8.72E-04	1.69E-03	8.06E-04	8.61E-04	1.67E-03
3843 477863.09, 3852877.25	0.01922	0.01948	2.92E-03	3.08E-03	2.75E-03	2.82E-03	2.66E-03	7.73E-04	7.84E-04	1.56E-03	7.55E-04	7.65E-04	1.52E-03	7.45E-04	7.55E-04	1.50E-03
3844 478363.09, 3852877.25	0.01764	0.01779	2.68E-03	2.82E-03	2.53E-03	2.59E-03	2.44E-03	7.10E-04	7.16E-04	1.43E-03	6.93E-04	6.99E-04	1.39E-03	6.84E-04	6.89E-04	1.37E-03
3845 478863.09, 3852877.25	0.01854	0.01965	2.82E-03	3.11E-03	2.65E-03	2.72E-03	2.56E-03	7.46E-04	7.91E-04	1.54E-03	7.28E-04	7.72E-04	1.50E-03	7.18E-04	7.61E-04	1.48E-03
3846 479363.09, 3852877.25	0.02309	0.02517	3.51E-03	3.99E-03	3.31E-03	3.39E-03	3.19E-03	9.29E-04	1.01E-03	1.94E-03	9.07E-04	9.88E-04	1.90E-03	8.95E-04	9.75E-04	1.87E-03
3847 479863.09, 3852877.25	0.03791	0.04183	5.76E-03	6.62E-03	5.43E-03	5.56E-03	5.24E-03	1.53E-03	1.68E-03	3.21E-03	1.49E-03	1.64E-03	3.13E-03	1.47E-03	1.62E-03	3.09E-03
3848 480363.09, 3852877.25	0.05837	0.06268	8.87E-03	9.92E-03	8.36E-03	8.56E-03	8.07E-03	2.35E-03	2.52E-03	4.87E-03	2.29E-03	2.46E-03	4.75E-03	2.26E-03	2.43E-03	4.69E-03
3849 480863.09, 3852877.25	0.06813	0.07419	1.04E-02	1.17E-02	9.75E-03	9.99E-03	9.42E-03	2.74E-03	2.99E-03	5.73E-03	2.68E-03	2.91E-03	5.59E-03	2.64E-03	2.87E-03	5.51E-03
3850 481363.09, 3852877.25	0.08605	0.09109	1.31E-02	1.44E-02	1.23E-02	1.26E-02	1.19E-02	3.46E-03	3.67E-03	7.13E-03	3.38E-03	3.58E-03	6.96E-03	3.33E-03	3.53E-03	6.86E-03
3851 481863.09, 3852877.25	0.13095	0.13244	1.99E-02	2.10E-02	1.87E-02	1.92E-02	1.81E-02	5.27E-03	5.33E-03	1.06E-02	5.14E-03	5.20E-03	1.03E-02	5.07E-03	5.13E-03	1.02E-02
3852 482363.09, 3852877.25	0.54261	0.55617	8.25E-02	8.81E-02	7.77E-02	7.96E-02	7.50E-02	2.18E-02	2.24E-02	4.42E-02	2.13E-02	2.18E-02	4.31E-02	2.10E-02	2.16E-02	4.26E-02
3853 482863.09, 3852877.25	0.16993	0.17607	2.58E-02	2.79E-02	2.43E-02	2.49E-02	2.35E-02	6.84E-03	7.09E-03	1.39E-02	6.67E-03	6.91E-03	1.36E-02	6.58E-03	6.82E-03	1.34E-02
3854 483363.09, 3852877.25	0.07604	0.08131	1.16E-02	1.29E-02	1.09E-02	1.11E-02	1.05E-02	3.06E-03	3.27E-03	6.33E-03	2.99E-03	3.19E-03	6.18E-03	2.95E-03	3.15E-03	6.10E-03
3855 483863.09, 3852877.25	0.04129	0.0453	6.27E-03	7.17E-03	5.91E-03	6.05E-03	5.71E-03	1.66E-03	1.82E-03	3.48E-03	1.62E-03	1.78E-03	3.40E-03	1.60E-03	1.76E-03	3.36E-03
3856 484363.09, 3852877.25	0.04663	0.04936	7.09E-03	7.82E-03	6.68E-03	6.84E-03	6.45E-03	1.88E-03	1.99E-03	3.86E-03	1.83E-03	1.94E-03	3.77E-03	1.81E-03	1.91E-03	3.72E-03
3857 484863.09, 3852877.25	0.04708	0.05117	7.15E-03	8.10E-03	6.74E-03	6.90E-03	6.51E-03	1.89E-03	2.06E-03	3.95E-03	1.85E-03	2.01E-03	3.86E-03	1.82E-03	1.98E-03	3.81E-03
3858 485363.09, 3852877.25	0.03735	0.03919	5.68E-03	6.21E-03	5.35E-03	5.48E-03	5.17E-03	1.50E-03	1.58E-03	3.08E-03	1.47E-03	1.54E-03	3.01E-03	1.45E-03	1.52E-03	2.97E-03
3859 485863.09, 3852877.25	0.03366	0.0353	5.11E-03	5.59E-03	4.82E-03	4.94E-03	4.66E-03	1.35E-03	1.42E-03	2.78E-03	1.32E-03	1.39E-03	2.71E-03	1.30E-03	1.37E-03	2.67E-03
3860 486363.09, 3852877.25	0.02914	0.03134	4.43E-03	4.96E-03	4.17E-03	4.27E-03	4.03E-03	1.17E-03	1.26E-03	2.43E-03	1.14E-03	1.23E-03	2.38E-03	1.13E-03	1.21E-03	2.34E-03
3861 486863.09, 3852877.25	0.02666	0.02842	4.05E-03	4.50E-03	3.82E-03	3.91E-03	3.69E-03	1.07E-03	1.14E-03	2.22E-03	1.05E-03	1.12E-03	2.16E-03	1.03E-03	1.10E-03	2.13E-03
3862 487363.09, 3852877.25	0.02353	0.02511	3.58E-03	3.98E-03	3.37E-03	3.45E-03	3.25E-03	9.47E-04	1.01E-03	1.96E-03	9.24E-04	9.86E-04	1.91E-03	9.12E-04	9.73E-04	1.88E-03
3863 487863.09, 3852877.25	0.02135	0.0228	3.24E-03	3.61E-03	3.06E-03	3.13E-03	2.95E-03	8.59E-04	9.18E-04	1.78E-03	8.38E-04	8.95E-04	1.73E-03	8.27E-04	8.83E-04	1.71E-03
3864 488363.09, 3852877.25	0.01593	0.01647	2.42E-03	2.61E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	6.63E-04	1.30E-03	6.26E-04	6.47E-04	1.27E-03	6.17E-04	6.38E-04	1.26E-03
3865 488863.09, 3852877.25	0.01656	0.01706	2.52E-03	2.70E-03	2.37E-03	2.43E-03	2.29E-03	6.66E-04	6.87E-04	1.35E-03	6.50E-04	6.70E-04	1.32E-03	6.42E-04	6.61E-04	1.30E-03
3866 489363.09, 3852877.25	0.01647	0.01699	2.50E-03	2.69E-03	2.36E-03	2.41E-03	2.28E-03	6.63E-04	6.84E-04	1.35E-03	6.47E-04	6.67E-04	1.31E-03	6.38E-04	6.58E-04	1.30E-03
3867 489863.09, 3852877.25	0.01559	0.01647	2.37E-03	2.61E-03	2.23E-03	2.29E-03	2.16E-03	6.27E-04	6.63E-04	1.29E-03	6.12E-04	6.47E-04	1.26E-03	6.04E-04	6.38E-04	1.24E-03
3868 490363.09, 3852877.25	0.01844	0.0193	2.80E-03	3.06E-03	2.64E-03	2.70E-03	2.55E-03	7.42E-04	7.77E-04	1.52E-03	7.24E-04	7.58E-04	1.48E-03	7.15E-04	7.48E-04	1.46E-03
3869 490863.09, 3852877.25	0.01874	0.02009	2.85E-03	3.18E-03	2.68E-03	2.75E-03	2.59E-03	7.54E-04	8.08E-04	1.56E-03	7.36E-04	7.89E-04	1.52E-03	7.26E-04	7.78E-04	1.50E-03
3870 491363.09, 3852877.25	0.01884	0.0207	2.86E-03	3.28E-03	2.70E-03	2.76E-03	2.61E-03	7.58E-04	8.33E-04	1.59E-03	7.40E-04	8.13E-04	1.55E-03	7.30E-04	8.02E-04	1.53E-03
3871 491863.09, 3852877.25	0.01809	0.02008	2.75E-03	3.18E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	8.08E-04	1.54E-03	7.10E-04	7.89E-04	1.50E-03	7.01E-04	7.78E-04	1.48E-03
3872 492363.09, 3852877.25	0.01809	0.01991	2.75E-03	3.15E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	8.01E-04	1.53E-03	7.10E-04	7.82E-04	1.49E-03	7.01E-04	7.71E-04	1.47E-03
3873 492863.09, 3852877.25	0.01853	0.02062	2.82E-03	3.26E-03	2.65E-03	2.72E-03	2.56E-03	7.46E-04	8.30E-04	1.58E-03	7.28E-04	8.10E-04	1.54E-03	7.18E-04	7.99E-04	1.52E-03
3874 493363.09, 3852877.25	0.01831	0.02036	2.78E-03	3.22E-03	2.62E-03	2.68E-03	2.53E-03	7.37E-04	8.19E-04	1.56E-03	7.19E-04	8.00E-04	1.52E-03	7.09E-04	7.89E-04	1.50E-03
3875 493863.09, 3852877.25	0.01731	0.01913	2.63E-03	3.03E-03	2.48E-03	2.54E-03	2.39E-03	6.97E-04	7.70E-04	1.47E-03	6.80E-04	7.51E-04	1.43E-03	6.71E-04	7.41E-04	1.41E-03
3876 494363.09, 3852877.25	0.01661	0.01836	2.52E-03	2.91E-03	2.38E-03	2.44E-03	2.30E-03	6.68E-04	7.39E-04	1.41E-03	6.52E-04	7.21E-04	1.37E-03	6.44E-04	7.11E-04	1.36E-03
3877 494863.09, 3852877.25	0.01628	0.01791	2.47E-03	2.84E-03	2.33E-03	2.39E-03	2.25E-03	6.55E-04	7.21E-04	1.38E-03	6.39E-04	7.03E-04	1.34E-03	6.31E-04	6.94E-04	1.32E-03
3878 495363.09, 3852877.25	0.01525	0.01678	2.32E-03	2.66E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	6.75E-04	1.29E-03	5.99E-04	6.59E-04	1.26E-03	5.91E-04	6.50E-04	1.24E-03
3879 495863.09, 3852877.25	0.01432	0.01582	2.18E-03	2.50E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	6.37E-04	1.21E-03	5.62E-04	6.21E-04	1.18E-03	5.55E-04	6.13E-04	1.17E-03
3880 496363.09, 3852877.25	0.0139	0.01561	2.11E-03	2.47E-03	1.99E-03	2.04E-03	1.92E-03	5.59E-04	6.28E-04	1.19E-03	5.46E-04	6.13E-04	1.16E-03	5.39E-04	6.05E-04	1.14E-03
3881 496863.09, 3852877.25	0.0135	0.01477	2.05E-03	2.34E-03	1.93E-03	1.98E-03	1.87E-03	5.43E-04	5.94E-04	1.14E-03	5.30E-04	5.80E-04	1.11E-03	5.23E-04	5.72E-04	1.10E-03
3882 497363.09, 3852877.25	0.01203	0.01315	1.83E-03	2.08E-03	1.72E-03	1.76E-03	1.66E-03	4.84E-04	5.29E-04	1.01E-03	4.72E-04	5.16E-04	9.89E-04	4.66E-04	5.10E-04	9.76E-04
3883 497863.09, 3852877.25	0.01014	0.01044	1.54E-03	1.65E-03	1.45E-03	1.49E-03	1.40E-03	4.08E-04	4.20E-04	8.28E-04	3.98E-04	4.10E-04	8.08E-04	3.93E-04	4.05E-04	7.97E-04
3884 498363.09, 3852877.25	0.00963	0.00991	1.46E-03	1.57E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.99E-04	7.86E-04	3.78E-04	3.89E-04	7.67E-04	3.73E-04	3.84E-04	7.57E-04
3885 471363.09, 3853377.25	0.01571	0.01612	2.39E-03	2.55E-03	2.25E-03	2.30E-03	2.17E-03	6.32E-04	6.49E-04	1.28E-03	6.17E-04	6.33E-04	1.25E-03	6.09E-04	6.25E-04	1.23E-03
3886 471863.09, 3853377.25	0.0164	0.01694	2.49E-03	2.68E-03	2.35E-03	2.40E-03	2.27E-03	6.60E-04	6.82E-04	1.34E-03	6.44E-04	6.65E-04	1.31E-03	6.35E-04	6.56E-04	1.29E-03
3887 472363.09, 3853377.25	0.01695	0.01759	2.58E-03	2.79E-03	2.43E-03	2.49E-03	2.34E-03	6.82E-04	7.08E-04	1.39E-03	6.66E-04	6.91E-04	1.36E-03	6.57E-04	6.82E-04	1.34E-03
3888 472863.09, 3853377.25	0.01778	0.01836	2.70E-03	2.91E-03	2.55E-03	2.61E-03	2.46E-03	7.16E-04	7.39E-04	1.45E-03	6.98E-04	7.21E-04	1.42E-03	6.89E-04	7.11E-04	1.40E-03
3889 473363.09, 3853377.25	0.01824	0.01889	2.77E-03	2.99E-03	2.61E-03	2.67E-03	2.52E-03	7.34E-04	7.60E-04	1.49E-03	7.16E-04	7.42E-04	1.46E-03	7.07E-04	7.32E-04	1.44E-03
3890 473863.09, 3853377.25	0.01848	0.01931	2.81E-03	3.06E-03	2.65E-03	2.71E-03	2.56E-03	7.44E-04	7.77E-04	1.52E-03	7.26E-04	7.58E-04	1.48E-03	7.16E-04	7.48E-04	1.46E-03

3891 474363.09, 3853377.25	0.01963	0.02033	2.98E-03	3.22E-03	2.81E-03	2.88E-03	2.71E-03	7.90E-04	8.18E-04	1.61E-03	7.71E-04	7.98E-04	1.57E-03	7.61E-04	7.88E-04	1.55E-03
3892 474863.09, 3853377.25	0.0195	0.02028	2.96E-03	3.21E-03	2.79E-03	2.86E-03	2.70E-03	7.85E-04	8.16E-04	1.60E-03	7.66E-04	7.96E-04	1.56E-03	7.56E-04	7.86E-04	1.54E-03
3893 475363.09, 3853377.25	0.01952	0.02001	2.97E-03	3.17E-03	2.79E-03	2.86E-03	2.70E-03	7.86E-04	8.05E-04	1.59E-03	7.67E-04	7.86E-04	1.55E-03	7.56E-04	7.75E-04	1.53E-03
3894 475863.09, 3853377.25	0.01932	0.02013	2.94E-03	3.19E-03	2.77E-03	2.83E-03	2.67E-03	7.77E-04	8.10E-04	1.59E-03	7.59E-04	7.91E-04	1.55E-03	7.49E-04	7.80E-04	1.53E-03
3895 476363.09, 3853377.25	0.01812	0.0185	2.75E-03	2.93E-03	2.59E-03	2.66E-03	2.51E-03	7.29E-04	7.44E-04	1.47E-03	7.12E-04	7.26E-04	1.44E-03	7.02E-04	7.17E-04	1.42E-03
3896 476863.09, 3853377.25	0.01757	0.01789	2.67E-03	2.83E-03	2.52E-03	2.58E-03	2.43E-03	7.07E-04	7.20E-04	1.43E-03	6.90E-04	7.03E-04	1.39E-03	6.81E-04	6.93E-04	1.37E-03
3897 477363.09, 3853377.25	0.01765	0.01866	2.68E-03	2.95E-03	2.53E-03	2.59E-03	2.44E-03	7.10E-04	7.51E-04	1.46E-03	6.93E-04	7.33E-04	1.43E-03	6.84E-04	7.23E-04	1.41E-03
3898 477863.09, 3853377.25	0.0172	0.01823	2.61E-03	2.89E-03	2.46E-03	2.52E-03	2.38E-03	6.92E-04	7.34E-04	1.43E-03	6.75E-04	7.16E-04	1.39E-03	6.66E-04	7.06E-04	1.37E-03
3899 478363.09, 3853377.25	0.01551	0.01585	2.36E-03	2.51E-03	2.22E-03	2.27E-03	2.15E-03	6.24E-04	6.38E-04	1.26E-03	6.09E-04	6.22E-04	1.23E-03	6.01E-04	6.14E-04	1.22E-03
3900 478863.09, 3853377.25	0.01398	0.01472	2.12E-03	2.33E-03	2.00E-03	2.05E-03	1.93E-03	5.63E-04	5.92E-04	1.15E-03	5.49E-04	5.78E-04	1.13E-03	5.42E-04	5.70E-04	1.11E-03
3901 479363.09, 3853377.25	0.01787	0.01957	2.72E-03	3.10E-03	2.56E-03	2.62E-03	2.47E-03	7.19E-04	7.88E-04	1.51E-03	7.02E-04	7.69E-04	1.47E-03	6.92E-04	7.58E-04	1.45E-03
3902 479863.09, 3853377.25	0.02467	0.02649	3.75E-03	4.19E-03	3.53E-03	3.62E-03	3.41E-03	9.93E-04	1.07E-03	2.06E-03	9.69E-04	1.04E-03	2.01E-03	9.56E-04	1.03E-03	1.98E-03
3903 480363.09, 3853377.25	0.04004	0.04152	6.08E-03	6.57E-03	5.73E-03	5.87E-03	5.54E-03	1.61E-03	1.67E-03	3.28E-03	1.57E-03	1.63E-03	3.20E-03	1.55E-03	1.61E-03	3.16E-03
3904 480863.09, 3853377.25	0.03771	0.04141	5.73E-03	6.56E-03	5.40E-03	5.53E-03	5.22E-03	1.52E-03	1.67E-03	3.18E-03	1.48E-03	1.63E-03	3.11E-03	1.46E-03	1.60E-03	3.07E-03
3905 481363.09, 3853377.25	0.05657	0.06514	8.60E-03	1.03E-02	8.10E-03	8.29E-03	7.82E-03	2.28E-03	2.62E-03	4.90E-03	2.22E-03	2.56E-03	4.78E-03	2.19E-03	2.52E-03	4.72E-03
3906 481863.09, 3853377.25	0.0868	0.09438	1.32E-02	1.49E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.80E-03	7.29E-03	3.41E-03	3.71E-03	7.11E-03	3.36E-03	3.66E-03	7.02E-03
3907 482363.09, 3853377.25	0.15108	0.15356	2.30E-02	2.43E-02	2.16E-02	2.22E-02	2.09E-02	6.08E-03	6.18E-03	1.23E-02	5.93E-03	6.03E-03	1.20E-02	5.85E-03	5.95E-03	1.18E-02
3908 482863.09, 3853377.25	0.36323	0.38463	5.52E-02	6.09E-02	5.20E-02	5.33E-02	5.02E-02	1.46E-02	1.55E-02	3.01E-02	1.43E-02	1.51E-02	2.94E-02	1.41E-02	1.49E-02	2.90E-02
3909 483363.09, 3853377.25	0.09876	0.10479	1.50E-02	1.66E-02	1.41E-02	1.45E-02	1.37E-02	3.97E-03	4.22E-03	8.19E-03	3.88E-03	4.12E-03	7.99E-03	3.83E-03	4.06E-03	7.89E-03
3910 483863.09, 3853377.25	0.06157	0.06759	9.36E-03	1.07E-02	8.81E-03	9.03E-03	8.52E-03	2.48E-03	2.72E-03	5.20E-03	2.42E-03	2.65E-03	5.07E-03	2.39E-03	2.62E-03	5.00E-03
3911 484363.09, 3853377.25	0.05446	0.06115	8.28E-03	9.68E-03	7.80E-03	7.99E-03	7.53E-03	2.19E-03	2.46E-03	4.65E-03	2.14E-03	2.40E-03	4.54E-03	2.11E-03	2.37E-03	4.48E-03
3912 484863.09, 3853377.25	0.03625	0.04407	5.51E-03	6.98E-03	5.19E-03	5.32E-03	5.01E-03	1.46E-03	1.77E-03	3.23E-03	1.42E-03	1.73E-03	3.15E-03	1.40E-03	1.71E-03	3.11E-03
3913 485363.09, 3853377.25	0.02487	0.02977	3.78E-03	4.71E-03	3.56E-03	3.65E-03	3.44E-03	1.00E-03	1.20E-03	2.20E-03	9.77E-04	1.17E-03	2.15E-03	9.64E-04	1.15E-03	2.12E-03
3914 485863.09, 3853377.25	0.0226	0.02409	3.43E-03	3.81E-03	3.24E-03	3.31E-03	3.13E-03	9.09E-04	9.69E-04	1.88E-03	8.87E-04	9.46E-04	1.83E-03	8.76E-04	9.33E-04	1.81E-03
3915 486363.09, 3853377.25	0.02339	0.02616	3.55E-03	4.14E-03	3.35E-03	3.43E-03	3.24E-03	9.41E-04	1.05E-03	1.99E-03	9.19E-04	1.03E-03	1.95E-03	9.06E-04	1.01E-03	1.92E-03
3916 486863.09, 3853377.25	0.02439	0.02679	3.71E-03	4.24E-03	3.49E-03	3.58E-03	3.37E-03	9.82E-04	1.08E-03	2.06E-03	9.58E-04	1.05E-03	2.01E-03	9.45E-04	1.04E-03	1.98E-03
3917 487363.09, 3853377.25	0.02307	0.02596	3.51E-03	4.11E-03	3.30E-03	3.38E-03	3.19E-03	9.28E-04	1.04E-03	1.97E-03	9.06E-04	1.02E-03	1.93E-03	8.94E-04	1.01E-03	1.90E-03
3918 487863.09, 3853377.25	0.02274	0.02576	3.46E-03	4.08E-03	3.26E-03	3.33E-03	3.15E-03	9.15E-04	1.04E-03	1.95E-03	8.93E-04	1.01E-03	1.90E-03	8.81E-04	9.98E-04	1.88E-03
3919 488363.09, 3853377.25	0.02236	0.0256	3.40E-03	4.05E-03	3.20E-03	3.28E-03	3.09E-03	9.00E-04	1.03E-03	1.93E-03	8.78E-04	1.01E-03	1.88E-03	8.66E-04	9.92E-04	1.86E-03
3920 488863.09, 3853377.25	0.02112	0.02454	3.21E-03	3.89E-03	3.02E-03	3.10E-03	2.92E-03	8.50E-04	9.88E-04	1.84E-03	8.29E-04	9.64E-04	1.79E-03	8.18E-04	9.51E-04	1.77E-03
3921 489363.09, 3853377.25	0.02065	0.02287	3.14E-03	3.62E-03	2.96E-03	3.03E-03	2.86E-03	8.31E-04	9.20E-04	1.75E-03	8.11E-04	8.98E-04	1.71E-03	8.00E-04	8.86E-04	1.69E-03
3922 489863.09, 3853377.25	0.01987	0.02169	3.02E-03	3.43E-03	2.84E-03	2.91E-03	2.75E-03	8.00E-04	8.73E-04	1.67E-03	7.80E-04	8.52E-04	1.63E-03	7.70E-04	8.40E-04	1.61E-03
3923 490363.09, 3853377.25	0.02041	0.0221	3.10E-03	3.50E-03	2.92E-03	2.99E-03	2.82E-03	8.21E-04	8.89E-04	1.71E-03	8.01E-04	8.68E-04	1.67E-03	7.91E-04	8.56E-04	1.65E-03
3924 490863.09, 3853377.25	0.01975	0.02212	3.00E-03	3.50E-03	2.83E-03	2.90E-03	2.73E-03	7.95E-04	8.90E-04	1.68E-03	7.76E-04	8.69E-04	1.64E-03	7.65E-04	8.57E-04	1.62E-03
3925 491363.09, 3853377.25	0.01974	0.02218	3.00E-03	3.51E-03	2.83E-03	2.89E-03	2.73E-03	7.94E-04	8.93E-04	1.69E-03	7.75E-04	8.71E-04	1.65E-03	7.65E-04	8.59E-04	1.62E-03
3926 491863.09, 3853377.25	0.01953	0.02278	2.97E-03	3.61E-03	2.80E-03	2.86E-03	2.70E-03	7.86E-04	9.17E-04	1.70E-03	7.67E-04	8.95E-04	1.66E-03	7.57E-04	8.83E-04	1.64E-03
3927 492363.09, 3853377.25	0.01951	0.02274	2.96E-03	3.60E-03	2.79E-03	2.86E-03	2.70E-03	7.85E-04	9.15E-04	1.70E-03	7.66E-04	8.93E-04	1.66E-03	7.56E-04	8.81E-04	1.64E-03
3928 492863.09, 3853377.25	0.01967	0.02257	2.99E-03	3.57E-03	2.82E-03	2.88E-03	2.72E-03	7.92E-04	9.08E-04	1.70E-03	7.72E-04	8.86E-04	1.66E-03	7.62E-04	8.75E-04	1.64E-03
3929 493363.09, 3853377.25	0.01891	0.02187	2.87E-03	3.46E-03	2.71E-03	2.77E-03	2.62E-03	7.61E-04	8.80E-04	1.64E-03	7.43E-04	8.59E-04	1.60E-03	7.33E-04	8.47E-04	1.58E-03
3930 493863.09, 3853377.25	0.01846	0.02158	2.81E-03	3.42E-03	2.64E-03	2.71E-03	2.55E-03	7.43E-04	8.68E-04	1.61E-03	7.25E-04	8.47E-04	1.57E-03	7.15E-04	8.36E-04	1.55E-03
3931 494363.09, 3853377.25	0.01739	0.02068	2.64E-03	3.27E-03	2.49E-03	2.55E-03	2.41E-03	7.00E-04	8.32E-04	1.53E-03	6.83E-04	8.12E-04	1.50E-03	6.74E-04	8.01E-04	1.48E-03
3932 494863.09, 3853377.25	0.01616	0.01934	2.46E-03	3.06E-03	2.31E-03	2.37E-03	2.24E-03	6.50E-04	7.78E-04	1.43E-03	6.35E-04	7.59E-04	1.39E-03	6.26E-04	7.49E-04	1.38E-03
3933 495363.09, 3853377.25	0.01552	0.01862	2.36E-03	2.95E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	7.49E-04	1.37E-03	6.09E-04	7.31E-04	1.34E-03	6.01E-04	7.21E-04	1.32E-03
3934 495863.09, 3853377.25	0.01487	0.01734	2.26E-03	2.75E-03	2.13E-03	2.18E-03	2.06E-03	5.98E-04	6.98E-04	1.30E-03	5.84E-04	6.81E-04	1.26E-03	5.76E-04	6.72E-04	1.25E-03
3935 496363.09, 3853377.25	0.01411	0.01583	2.14E-03	2.51E-03	2.02E-03	2.07E-03	1.95E-03	5.68E-04	6.37E-04	1.20E-03	5.54E-04	6.22E-04	1.18E-03	5.47E-04	6.13E-04	1.16E-03
3936 496863.09, 3853377.25	0.01311	0.01402	1.99E-03	2.22E-03	1.88E-03	1.92E-03	1.81E-03	5.28E-04	5.64E-04	1.09E-03	5.15E-04	5.51E-04	1.07E-03	5.08E-04	5.43E-04	1.05E-03
3937 497363.09, 3853377.25	0.01119	0.01183	1.70E-03	1.87E-03	1.60E-03	1.64E-03	1.55E-03	4.50E-04	4.76E-04	9.26E-04	4.39E-04	4.65E-04	9.04E-04	4.34E-04	4.58E-04	8.92E-04
3938 497863.09, 3853377.25	0.00853	0.00895	1.30E-03	1.42E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.60E-04	7.03E-04	3.35E-04	3.51E-04	6.86E-04	3.31E-04	3.47E-04	6.77E-04
3939 498363.09, 3853377.25	0.00731	0.00754	1.11E-03	1.19E-03	1.05E-03	1.07E-03	1.01E-03	2.94E-04	3.03E-04	5.98E-04	2.87E-04	2.96E-04	5.83E-04	2.83E-04	2.92E-04	5.75E-04
3940 471363.09, 3853877.25	0.01498	0.01518	2.28E-03	2.40E-03	2.14E-03	2.20E-03	2.07E-03	6.03E-04	6.11E-04	1.21E-03	5.88E-04	5.96E-04	1.18E-03	5.80E-04	5.88E-04	1.17E-03
3941 471863.09, 3853877.25	0.01573	0.01601	2.39E-03	2.53E-03	2.25E-03	2.31E-03	2.18E-03	6.33E-04	6.44E-04	1.28E-03	6.18E-04	6.29E-04	1.25E-03	6.10E-04	6.20E-04	1.23E-03
3942 472363.09, 3853877.25	0.01631	0.01679	2.48E-03	2.66E-03	2.33E-03	2.39E-03	2.26E-03	6.56E-04	6.76E-04	1.33E-03	6.40E-04	6.59E-04	1.30E-03	6.32E-04	6.51E-04	1.28E-03
3943 472863.09, 3853877.25	0.01699	0.01754	2.58E-03	2.78E-03	2.43E-03	2.49E-03	2.35E-03	6.84E-04	7.06E-04	1.39E-03	6.67E-04	6.89E-04	1.36E-03	6.58E-04	6.80E-04	1.34E-03
3944 473363.09, 3853877.25	0.01715	0.01768	2.61E-03	2.80E-03	2.46E-03	2.51E-03	2.37E-03	6.90E-04	7.11E-04	1.40E-03	6.73E-04	6.94E-04	1.37E-03	6.65E-04	6.85E-04	1.35E-03
3945 473863.09, 3853877.25	0.01694	0.01752	2.57E-03	2.77E-03	2.43E-03	2.48E-03	2.34E-03	6.82E-04	7.05E-04	1.39E-03	6.65E-04	6.88E-04	1.35E-03	6.56E-04	6.79E-04	1.34E-03
3946 474363.09, 3853877.25	0.01699	0.01778	2.58E-03	2.82E-03	2.43E-03	2.49E-03	2.35E-03	6.84E-04	7.16E-04	1.40E-03	6.67E-04	6.98E-04	1.37E-03	6.58E-04	6.89E-04	1.35E-03
3947 474863.09, 3853877.25	0.01745	0.01805	2.65E-03	2.86E-03	2.50E-03	2.56E-03	2.41E-03	7.02E-04	7.26E-04	1.43E-03	6.85E-04	7.09E-04	1.39E-03	6.76E-04	6.99E-04	1.38E-03
3948 475363.09, 3853877.25	0.01752	0.01768	2.66E-03	2.80E-03	2.51E-03	2.57E-03	2.42E-03	7.05E-04	7.11E-04	1.42E-03	6.88E-04	6.94E-04	1.38E-03	6.79E-04	6.85E-04	1.36E-03
3949 475863.09, 3853877.25	0.01624	0.01631	2.47E-03	2.58E-03	2.32E-03	2.38E-03	2.25E-03	6.54E-04	6.56E-04	1.31E-03	6.38E-04	6.40E-04	1.28E-03	6.29E-04	6.32E-04	1.26E-03
3950 476363.09, 3853877.25	0.01501	0.01515	2.28E-03	2.40E-03	2.15E-03	2.20E-03	2.08E-03	6.04E-04	6.10E-04	1.21E-03	5.89E-04	5.95E-04	1.18E-03	5.82E-04	5.87E-04	1.17E-03
3951 476863.09, 3853877.25	0.01387	0.01357	2.11E-03	2.15E-03	1.99E-03	2.03E-03	1.92E-03	5.58E-04	5.46E-04	1.10E-03	5.45E-04	5.33E-04	1.08E-03	5.37E-04	5.26E-04	1.06E-03
3952 477363.09, 3853877.25	0.01463	0.01471	2.22E-03	2.33E-03	2.09E-03	2.15E-03	2.02E-03	5.89E-04	5.92E-04	1.18E-03	5.75E-04	5.78E-04	1.15E-03	5.67E-04	5.70E-04	1.14E-03
3953 477863.09, 3853877.25	0.01563	0.01568	2.38E-03	2.48E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.31E-04	1.26E-03	6.14E-04	6.16E-04	1.23E-03	6.06E-04	6.08E-04	1.21E-03
3954 478363.09, 3853877.25	0.0157	0.01572	2.39E-03	2.49E-03	2.25E-03	2.30E-03	2.17E-03	6.32E-04	6.33E-04	1.26E-03	6.17E-04	6.17E-04	1.23E-03	6.08E-04	6.09E-04	1.22E-03
3955 478863.09, 3853877.25	0.01316	0.01267	2.00E-03	2.01E-03	1.88E-03	1.93E-03	1.82E-03	5.30E-04	5.10E-04	1.04E-03	5.17E-04	4.98E-04	1.01E-03	5.10E-04	4.91E-04	1.00E-03
3956 479363.09, 3853877.25	0.01564	0.01532	2.38E-03	2.43E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.17E-04	1.25E-03	6.14E-04	6.02E-04	1.22E-03	6.06E-04	5.94E-04	1.20E-03

3957 479863.09, 3853877.25	0.02172	0.02179	3.30E-03	3.45E-03	3.11E-03	3.18E-03	3.00E-03	8.74E-04	8.77E-04	1.75E-03	8.53E-04	8.56E-04	1.71E-03	8.42E-04	8.44E-04	1.69E-03
3958 480363.09, 3853877.25	0.02718	0.02972	4.13E-03	4.71E-03	3.89E-03	3.99E-03	3.76E-03	1.09E-03	1.20E-03	2.29E-03	1.07E-03	1.17E-03	2.23E-03	1.05E-03	1.15E-03	2.20E-03
3959 480863.09, 3853877.25	0.04184	0.04263	6.36E-03	6.75E-03	5.99E-03	6.13E-03	5.79E-03	1.68E-03	1.72E-03	3.40E-03	1.64E-03	1.67E-03	3.32E-03	1.62E-03	1.65E-03	3.27E-03
3960 481363.09, 3853877.25	0.05184	0.05514	7.88E-03	8.73E-03	7.42E-03	7.60E-03	7.17E-03	2.09E-03	2.22E-03	4.31E-03	2.04E-03	2.17E-03	4.20E-03	2.01E-03	2.14E-03	4.15E-03
3961 481863.09, 3853877.25	0.07788	0.08051	1.18E-02	1.27E-02	1.11E-02	1.14E-02	1.08E-02	3.13E-03	3.24E-03	6.37E-03	3.06E-03	3.16E-03	6.22E-03	3.02E-03	3.12E-03	6.14E-03
3962 482363.09, 3853877.25	0.11888	0.11867	1.81E-02	1.88E-02	1.70E-02	1.74E-02	1.64E-02	4.78E-03	4.78E-03	9.56E-03	4.67E-03	4.66E-03	9.33E-03	4.61E-03	4.60E-03	9.20E-03
3963 482863.09, 3853877.25	0.64818	0.40529	9.85E-02	6.42E-02	9.28E-02	9.50E-02	8.96E-02	2.61E-02	1.63E-02	4.24E-02	2.55E-02	1.59E-02	4.14E-02	2.51E-02	1.57E-02	4.08E-02
3964 483363.09, 3853877.25	0.13144	0.1795	2.00E-02	2.84E-02	1.88E-02	1.93E-02	1.82E-02	5.29E-03	7.22E-03	1.25E-02	5.16E-03	7.05E-03	1.22E-02	5.09E-03	6.96E-03	1.20E-02
3965 483863.09, 3853877.25	0.08072	0.1148	1.23E-02	1.82E-02	1.16E-02	1.18E-02	1.12E-02	3.25E-03	4.62E-03	7.87E-03	3.17E-03	4.51E-03	7.68E-03	3.13E-03	4.45E-03	7.58E-03
3966 484363.09, 3853877.25	0.04496	0.0748	6.83E-03	1.18E-02	6.44E-03	6.59E-03	6.22E-03	1.81E-03	3.01E-03	4.82E-03	1.77E-03	2.94E-03	4.70E-03	1.74E-03	2.90E-03	4.64E-03
3967 484863.09, 3853877.25	0.02913	0.04886	4.43E-03	7.74E-03	4.17E-03	4.27E-03	4.03E-03	1.17E-03	1.97E-03	3.14E-03	1.14E-03	1.92E-03	3.06E-03	1.13E-03	1.89E-03	3.02E-03
3968 485363.09, 3853877.25	0.02262	0.02867	3.44E-03	4.54E-03	3.24E-03	3.32E-03	3.13E-03	9.10E-04	1.15E-03	2.06E-03	8.88E-04	1.13E-03	2.01E-03	8.76E-04	1.11E-03	1.99E-03
3969 485863.09, 3853877.25	0.02307	0.03134	3.51E-03	4.96E-03	3.30E-03	3.38E-03	3.19E-03	9.28E-04	1.26E-03	2.19E-03	9.06E-04	1.23E-03	2.14E-03	8.94E-04	1.21E-03	2.11E-03
3970 486363.09, 3853877.25	0.02061	0.02906	3.13E-03	4.60E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	1.17E-03	2.00E-03	8.09E-04	1.14E-03	1.95E-03	7.99E-04	1.13E-03	1.92E-03
3971 486863.09, 3853877.25	0.02083	0.02615	3.17E-03	4.14E-03	2.98E-03	3.05E-03	2.88E-03	8.38E-04	1.05E-03	1.89E-03	8.18E-04	1.03E-03	1.84E-03	8.07E-04	1.01E-03	1.82E-03
3972 487363.09, 3853877.25	0.02012	0.02779	3.06E-03	4.40E-03	2.88E-03	2.95E-03	2.78E-03	8.10E-04	1.12E-03	1.93E-03	7.90E-04	1.09E-03	1.88E-03	7.80E-04	1.08E-03	1.86E-03
3973 487863.09, 3853877.25	0.02553	0.03384	3.88E-03	5.36E-03	3.65E-03	3.74E-03	3.53E-03	1.03E-03	1.36E-03	2.39E-03	1.00E-03	1.33E-03	2.33E-03	9.89E-04	1.31E-03	2.30E-03
3974 488363.09, 3853877.25	0.02462	0.03279	3.74E-03	5.19E-03	3.52E-03	3.61E-03	3.41E-03	9.91E-04	1.32E-03	2.31E-03	9.67E-04	1.29E-03	2.25E-03	9.54E-04	1.27E-03	2.22E-03
3975 488863.09, 3853877.25	0.02518	0.0327	3.83E-03	5.18E-03	3.60E-03	3.69E-03	3.48E-03	1.01E-03	1.32E-03	2.33E-03	9.89E-04	1.28E-03	2.27E-03	9.76E-04	1.27E-03	2.24E-03
3976 489363.09, 3853877.25	0.02271	0.03047	3.45E-03	4.82E-03	3.25E-03	3.33E-03	3.14E-03	9.14E-04	1.23E-03	2.14E-03	8.92E-04	1.20E-03	2.09E-03	8.80E-04	1.18E-03	2.06E-03
3977 489863.09, 3853877.25	0.02174	0.02855	3.30E-03	4.52E-03	3.11E-03	3.19E-03	3.01E-03	8.75E-04	1.15E-03	2.02E-03	8.54E-04	1.12E-03	1.97E-03	8.42E-04	1.11E-03	1.95E-03
3978 490363.09, 3853877.25	0.02092	0.02642	3.18E-03	4.18E-03	2.99E-03	3.07E-03	2.89E-03	8.42E-04	1.06E-03	1.91E-03	8.22E-04	1.04E-03	1.86E-03	8.11E-04	1.02E-03	1.83E-03
3979 490863.09, 3853877.25	0.02091	0.02488	3.18E-03	3.94E-03	2.99E-03	3.07E-03	2.89E-03	8.41E-04	1.00E-03	1.84E-03	8.21E-04	9.77E-04	1.80E-03	8.10E-04	9.64E-04	1.77E-03
3980 491363.09, 3853877.25	0.02087	0.02486	3.17E-03	3.94E-03	2.99E-03	3.06E-03	2.89E-03	8.40E-04	1.00E-03	1.84E-03	8.20E-04	9.76E-04	1.80E-03	8.09E-04	9.63E-04	1.77E-03
3981 491863.09, 3853877.25	0.02041	0.02419	3.10E-03	3.83E-03	2.92E-03	2.99E-03	2.82E-03	8.21E-04	9.73E-04	1.79E-03	8.01E-04	9.50E-04	1.75E-03	7.91E-04	9.37E-04	1.73E-03
3982 492363.09, 3853877.25	0.02013	0.02456	3.06E-03	3.89E-03	2.88E-03	2.95E-03	2.78E-03	8.10E-04	9.88E-04	1.80E-03	7.91E-04	9.64E-04	1.75E-03	7.80E-04	9.52E-04	1.73E-03
3983 492863.09, 3853877.25	0.02046	0.0241	3.11E-03	3.82E-03	2.93E-03	3.00E-03	2.83E-03	8.23E-04	9.70E-04	1.79E-03	8.03E-04	9.46E-04	1.75E-03	7.93E-04	9.34E-04	1.73E-03
3984 493363.09, 3853877.25	0.01993	0.0232	3.03E-03	3.67E-03	2.85E-03	2.92E-03	2.76E-03	8.02E-04	9.34E-04	1.74E-03	7.83E-04	9.11E-04	1.69E-03	7.72E-04	8.99E-04	1.67E-03
3985 493863.09, 3853877.25	0.01905	0.02205	2.89E-03	3.49E-03	2.73E-03	2.79E-03	2.63E-03	7.67E-04	8.87E-04	1.65E-03	7.48E-04	8.66E-04	1.61E-03	7.38E-04	8.54E-04	1.59E-03
3986 494363.09, 3853877.25	0.0185	0.02097	2.81E-03	3.32E-03	2.65E-03	2.71E-03	2.56E-03	7.44E-04	8.44E-04	1.59E-03	7.26E-04	8.23E-04	1.55E-03	7.17E-04	8.13E-04	1.53E-03
3987 494863.09, 3853877.25	0.01739	0.02033	2.64E-03	3.22E-03	2.49E-03	2.55E-03	2.41E-03	7.00E-04	8.18E-04	1.52E-03	6.83E-04	7.98E-04	1.48E-03	6.74E-04	7.88E-04	1.46E-03
3988 495363.09, 3853877.25	0.01591	0.01871	2.42E-03	2.96E-03	2.28E-03	2.33E-03	2.20E-03	6.40E-04	7.53E-04	1.39E-03	6.25E-04	7.35E-04	1.36E-03	6.16E-04	7.25E-04	1.34E-03
3989 495863.09, 3853877.25	0.01471	0.01697	2.24E-03	2.69E-03	2.11E-03	2.16E-03	2.03E-03	5.92E-04	6.83E-04	1.27E-03	5.78E-04	6.66E-04	1.24E-03	5.70E-04	6.58E-04	1.23E-03
3990 496363.09, 3853877.25	0.01373	0.01566	2.09E-03	2.48E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	6.30E-04	1.18E-03	5.39E-04	6.15E-04	1.15E-03	5.32E-04	6.07E-04	1.14E-03
3991 496863.09, 3853877.25	0.01237	0.01354	1.88E-03	2.14E-03	1.77E-03	1.81E-03	1.71E-03	4.98E-04	5.45E-04	1.04E-03	4.86E-04	5.32E-04	1.02E-03	4.79E-04	5.25E-04	1.00E-03
3992 497363.09, 3853877.25	0.01059	0.01134	1.61E-03	1.80E-03	1.52E-03	1.55E-03	1.46E-03	4.26E-04	4.56E-04	8.83E-04	4.16E-04	4.45E-04	8.61E-04	4.10E-04	4.39E-04	8.50E-04
3993 497863.09, 3853877.25	0.00885	0.00936	1.34E-03	1.48E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.77E-04	7.33E-04	3.48E-04	3.68E-04	7.15E-04	3.43E-04	3.63E-04	7.06E-04
3994 498363.09, 3853877.25	0.00801	0.00845	1.22E-03	1.34E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	3.40E-04	6.62E-04	3.15E-04	3.32E-04	6.46E-04	3.10E-04	3.27E-04	6.38E-04
3995 471363.09, 3854377.25	0.01445	0.01445	2.20E-03	2.29E-03	2.07E-03	2.12E-03	2.00E-03	5.82E-04	5.82E-04	1.16E-03	5.67E-04	5.67E-04	1.13E-03	5.60E-04	5.60E-04	1.12E-03
3996 471863.09, 3854377.25	0.01545	0.01537	2.35E-03	2.43E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.19E-04	1.24E-03	6.07E-04	6.04E-04	1.21E-03	5.99E-04	5.96E-04	1.19E-03
3997 472363.09, 3854377.25	0.01579	0.01602	2.40E-03	2.54E-03	2.26E-03	2.32E-03	2.18E-03	6.35E-04	6.45E-04	1.28E-03	6.20E-04	6.29E-04	1.25E-03	6.12E-04	6.21E-04	1.23E-03
3998 472863.09, 3854377.25	0.01587	0.0163	2.41E-03	2.58E-03	2.27E-03	2.33E-03	2.19E-03	6.39E-04	6.56E-04	1.29E-03	6.23E-04	6.40E-04	1.26E-03	6.15E-04	6.32E-04	1.25E-03
3999 473363.09, 3854377.25	0.01608	0.01658	2.44E-03	2.63E-03	2.30E-03	2.36E-03	2.22E-03	6.47E-04	6.67E-04	1.31E-03	6.31E-04	6.51E-04	1.28E-03	6.23E-04	6.42E-04	1.27E-03
4000 473863.09, 3854377.25	0.01652	0.01755	2.51E-03	2.78E-03	2.36E-03	2.42E-03	2.28E-03	6.65E-04	7.06E-04	1.37E-03	6.49E-04	6.89E-04	1.34E-03	6.40E-04	6.80E-04	1.32E-03
4001 474363.09, 3854377.25	0.01688	0.01809	2.56E-03	2.86E-03	2.42E-03	2.48E-03	2.33E-03	6.79E-04	7.28E-04	1.41E-03	6.63E-04	7.10E-04	1.37E-03	6.54E-04	7.01E-04	1.36E-03
4002 474863.09, 3854377.25	0.01611	0.01691	2.45E-03	2.68E-03	2.31E-03	2.36E-03	2.23E-03	6.48E-04	6.81E-04	1.33E-03	6.33E-04	6.64E-04	1.30E-03	6.24E-04	6.55E-04	1.28E-03
4003 475363.09, 3854377.25	0.0143	0.01519	2.17E-03	2.41E-03	2.05E-03	2.10E-03	1.98E-03	5.75E-04	6.11E-04	1.19E-03	5.62E-04	5.97E-04	1.16E-03	5.54E-04	5.89E-04	1.14E-03
4004 475863.09, 3854377.25	0.01217	0.01225	1.85E-03	1.94E-03	1.74E-03	1.78E-03	1.68E-03	4.90E-04	4.93E-04	9.83E-04	4.78E-04	4.81E-04	9.59E-04	4.72E-04	4.75E-04	9.46E-04
4005 476363.09, 3854377.25	0.01264	0.0125	1.92E-03	1.98E-03	1.81E-03	1.85E-03	1.75E-03	5.09E-04	5.03E-04	1.01E-03	4.96E-04	4.91E-04	9.87E-04	4.90E-04	4.84E-04	9.74E-04
4006 476863.09, 3854377.25	0.01242	0.01206	1.89E-03	1.91E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	4.85E-04	9.85E-04	4.88E-04	4.74E-04	9.61E-04	4.81E-04	4.67E-04	9.49E-04
4007 477363.09, 3854377.25	0.01298	0.01278	1.97E-03	2.02E-03	1.86E-03	1.90E-03	1.80E-03	5.22E-04	5.14E-04	1.04E-03	5.10E-04	5.02E-04	1.01E-03	5.03E-04	4.95E-04	9.98E-04
4008 477863.09, 3854377.25	0.01292	0.01296	1.96E-03	2.05E-03	1.85E-03	1.89E-03	1.79E-03	5.20E-04	5.22E-04	1.04E-03	5.07E-04	5.09E-04	1.02E-03	5.01E-04	5.02E-04	1.00E-03
4009 478363.09, 3854377.25	0.01398	0.01431	2.12E-03	2.27E-03	2.00E-03	2.05E-03	1.93E-03	5.63E-04	5.76E-04	1.14E-03	5.49E-04	5.62E-04	1.11E-03	5.42E-04	5.54E-04	1.10E-03
4010 478863.09, 3854377.25	0.01433	0.01481	2.18E-03	2.34E-03	2.05E-03	2.10E-03	1.98E-03	5.77E-04	5.96E-04	1.17E-03	5.63E-04	5.82E-04	1.14E-03	5.55E-04	5.74E-04	1.13E-03
4011 479363.09, 3854377.25	0.01728	0.01769	2.63E-03	2.80E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	7.12E-04	1.41E-03	6.79E-04	6.95E-04	1.37E-03	6.70E-04	6.85E-04	1.36E-03
4012 479863.09, 3854377.25	0.0196	0.02004	2.98E-03	3.17E-03	2.81E-03	2.87E-03	2.71E-03	7.89E-04	8.06E-04	1.60E-03	7.70E-04	7.87E-04	1.56E-03	7.59E-04	7.77E-04	1.54E-03
4013 480363.09, 3854377.25	0.02417	0.0253	3.67E-03	4.01E-03	3.46E-03	3.54E-03	3.34E-03	9.73E-04	1.02E-03	1.99E-03	9.49E-04	9.94E-04	1.94E-03	9.37E-04	9.80E-04	1.92E-03
4014 480863.09, 3854377.25	0.03292	0.03477	5.00E-03	5.51E-03	4.71E-03	4.83E-03	4.55E-03	1.32E-03	1.40E-03	2.72E-03	1.29E-03	1.37E-03	2.66E-03	1.28E-03	1.35E-03	2.62E-03
4015 481363.09, 3854377.25	0.04469	0.0489	6.79E-03	7.74E-03	6.40E-03	6.55E-03	6.18E-03	1.80E-03	1.97E-03	3.77E-03	1.75E-03	1.92E-03	3.68E-03	1.73E-03	1.89E-03	3.63E-03
4016 481863.09, 3854377.25	0.07518	0.06823	1.14E-02	1.08E-02	1.08E-02	1.10E-02	1.04E-02	3.03E-03	2.75E-03	5.77E-03	2.95E-03	2.68E-03	5.63E-03	2.91E-03	2.64E-03	5.56E-03
4017 482363.09, 3854377.25	0.11165	0.08588	1.70E-02	1.36E-02	1.60E-02	1.64E-02	1.54E-02	4.49E-03	3.46E-03	7.95E-03	4.38E-03	3.37E-03	7.76E-03	4.33E-03	3.33E-03	7.65E-03
4018 482863.09, 3854377.25	0.79845	0.13103	1.21E-01	2.07E-02	1.14E-01	1.17E-01	1.10E-01	3.21E-02	5.27E-03	3.74E-02	3.14E-02	5.15E-03	3.65E-02	3.09E-02	5.08E-03	3.60E-02
4019 483363.09, 3854377.25	0.14553	0.35899	2.21E-02	5.68E-02	2.08E-02	2.13E-02	2.01E-02	5.86E-03	1.44E-02	2.03E-02	5.71E-03	1.41E-02	1.98E-02	5.64E-03	1.39E-02	1.95E-02
4020 483863.09, 3854377.25	0.06227	0.27918	9.46E-03	4.42E-02	8.91E-03	9.13E-03	8.61E-03	2.51E-03	1.12E-02	1.37E-02	2.45E-03	1.10E-02	1.34E-02	2.41E-03	1.08E-02	1.32E-02
4021 484363.09, 3854377.25	0.04236	0.10975	6.44E-03	1.74E-02	6.06E-03	6.21E-03	5.86E-03	1.70E-03	4.42E-03	6.12E-03	1.66E-03	4.31E-03	5.97E-03	1.64E-03	4.25E-03	5.89E-03
4022 484863.09, 3854377.25	0.02667	0.05285	4.05E-03	8.37E-03	3.82E-03	3.91E-03	3.69E-03	1.07E-03	2.13E-03	3.20E-03	1.05E-03	2.08E-03	3.12E-03	1.03E-03	2.05E-03	3.08E-03

4023 485363.09, 3854377.25	0.02605	0.06805	3.96E-03	1.08E-02	3.73E-03	3.82E-03	3.60E-03	1.05E-03	2.74E-03	3.79E-03	1.02E-03	2.67E-03	3.70E-03	1.01E-03	2.64E-03	3.65E-03
4024 485863.09, 3854377.25	0.02208	0.04059	3.36E-03	6.43E-03	3.16E-03	3.24E-03	3.05E-03	8.89E-04	1.63E-03	2.52E-03	8.67E-04	1.59E-03	2.46E-03	8.56E-04	1.57E-03	2.43E-03
4025 486363.09, 3854377.25	0.02238	0.04158	3.40E-03	6.58E-03	3.20E-03	3.28E-03	3.10E-03	9.01E-04	1.67E-03	2.57E-03	8.79E-04	1.63E-03	2.51E-03	8.67E-04	1.61E-03	2.48E-03
4026 486863.09, 3854377.25	0.02156	0.03487	3.28E-03	5.52E-03	3.09E-03	3.16E-03	2.98E-03	8.68E-04	1.40E-03	2.27E-03	8.47E-04	1.37E-03	2.22E-03	8.35E-04	1.35E-03	2.19E-03
4027 487363.09, 3854377.25	0.02075	0.03613	3.15E-03	5.72E-03	2.97E-03	3.04E-03	2.87E-03	8.35E-04	1.45E-03	2.29E-03	8.15E-04	1.42E-03	2.23E-03	8.04E-04	1.40E-03	2.20E-03
4028 487863.09, 3854377.25	0.02311	0.039	3.51E-03	6.17E-03	3.31E-03	3.39E-03	3.20E-03	9.30E-04	1.57E-03	2.50E-03	9.08E-04	1.53E-03	2.44E-03	8.95E-04	1.51E-03	2.41E-03
4029 488363.09, 3854377.25	0.02472	0.03816	3.76E-03	6.04E-03	3.54E-03	3.62E-03	3.42E-03	9.95E-04	1.54E-03	2.53E-03	9.71E-04	1.50E-03	2.47E-03	9.58E-04	1.48E-03	2.44E-03
4030 488863.09, 3854377.25	0.0267	0.03767	4.06E-03	5.96E-03	3.82E-03	3.91E-03	3.69E-03	1.07E-03	1.52E-03	2.59E-03	1.05E-03	1.48E-03	2.53E-03	1.03E-03	1.46E-03	2.49E-03
4031 489363.09, 3854377.25	0.02592	0.03659	3.94E-03	5.79E-03	3.71E-03	3.80E-03	3.58E-03	1.04E-03	1.47E-03	2.52E-03	1.02E-03	1.44E-03	2.45E-03	1.00E-03	1.42E-03	2.42E-03
4032 489863.09, 3854377.25	0.02575	0.03418	3.91E-03	5.41E-03	3.69E-03	3.78E-03	3.56E-03	1.04E-03	1.38E-03	2.41E-03	1.01E-03	1.34E-03	2.35E-03	9.98E-04	1.32E-03	2.32E-03
4033 490363.09, 3854377.25	0.02402	0.03251	3.65E-03	5.15E-03	3.44E-03	3.52E-03	3.32E-03	9.67E-04	1.31E-03	2.27E-03	9.43E-04	1.28E-03	2.22E-03	9.31E-04	1.26E-03	2.19E-03
4034 490863.09, 3854377.25	0.02041	0.02586	3.10E-03	4.09E-03	2.92E-03	2.99E-03	2.82E-03	8.21E-04	1.04E-03	1.86E-03	8.01E-04	1.02E-03	1.82E-03	7.91E-04	1.00E-03	1.79E-03
4035 491363.09, 3854377.25	0.02065	0.02688	3.14E-03	4.26E-03	2.96E-03	3.03E-03	2.86E-03	8.31E-04	1.08E-03	1.91E-03	8.11E-04	1.06E-03	1.87E-03	8.00E-04	1.04E-03	1.84E-03
4036 491863.09, 3854377.25	0.02115	0.02692	3.21E-03	4.26E-03	3.03E-03	3.10E-03	2.93E-03	8.51E-04	1.08E-03	1.93E-03	8.31E-04	1.06E-03	1.89E-03	8.20E-04	1.04E-03	1.86E-03
4037 492363.09, 3854377.25	0.02142	0.02665	3.25E-03	4.22E-03	3.07E-03	3.14E-03	2.96E-03	8.62E-04	1.07E-03	1.93E-03	8.41E-04	1.05E-03	1.89E-03	8.30E-04	1.03E-03	1.86E-03
4038 492863.09, 3854377.25	0.02053	0.02566	3.12E-03	4.06E-03	2.94E-03	3.01E-03	2.84E-03	8.26E-04	1.03E-03	1.86E-03	8.06E-04	1.01E-03	1.81E-03	7.96E-04	9.94E-04	1.79E-03
4039 493363.09, 3854377.25	0.01942	0.02477	2.95E-03	3.92E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	9.97E-04	1.78E-03	7.63E-04	9.73E-04	1.74E-03	7.52E-04	9.60E-04	1.71E-03
4040 493863.09, 3854377.25	0.01853	0.02352	2.82E-03	3.72E-03	2.65E-03	2.72E-03	2.56E-03	7.46E-04	9.47E-04	1.69E-03	7.28E-04	9.24E-04	1.65E-03	7.18E-04	9.11E-04	1.63E-03
4041 494363.09, 3854377.25	0.01799	0.0219	2.73E-03	3.47E-03	2.58E-03	2.64E-03	2.49E-03	7.24E-04	8.81E-04	1.61E-03	7.06E-04	8.60E-04	1.57E-03	6.97E-04	8.49E-04	1.55E-03
4042 494863.09, 3854377.25	0.01589	0.01841	2.41E-03	2.91E-03	2.27E-03	2.33E-03	2.20E-03	6.39E-04	7.41E-04	1.38E-03	6.24E-04	7.23E-04	1.35E-03	6.16E-04	7.13E-04	1.33E-03
4043 495363.09, 3854377.25	0.01374	0.01528	2.09E-03	2.42E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	6.15E-04	1.17E-03	5.40E-04	6.00E-04	1.14E-03	5.32E-04	5.92E-04	1.12E-03
4044 495863.09, 3854377.25	0.01223	0.01335	1.86E-03	2.11E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	5.37E-04	1.03E-03	4.80E-04	5.24E-04	1.00E-03	4.74E-04	5.17E-04	9.91E-04
4045 496363.09, 3854377.25	0.0113	0.01227	1.72E-03	1.94E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	4.94E-04	9.49E-04	4.44E-04	4.82E-04	9.26E-04	4.38E-04	4.75E-04	9.13E-04
4046 496863.09, 3854377.25	0.01047	0.0111	1.59E-03	1.76E-03	1.50E-03	1.54E-03	1.45E-03	4.21E-04	4.47E-04	8.68E-04	4.11E-04	4.36E-04	8.47E-04	4.06E-04	4.30E-04	8.36E-04
4047 497363.09, 3854377.25	0.00833	0.0089	1.27E-03	1.41E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	3.58E-04	6.93E-04	3.27E-04	3.50E-04	6.77E-04	3.23E-04	3.45E-04	6.68E-04
4048 497863.09, 3854377.25	0.00879	0.00945	1.34E-03	1.50E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.80E-04	7.34E-04	3.45E-04	3.71E-04	7.16E-04	3.41E-04	3.66E-04	7.07E-04
4049 498363.09, 3854377.25	0.00806	0.00849	1.22E-03	1.34E-03	1.15E-03	1.18E-03	1.11E-03	3.24E-04	3.42E-04	6.66E-04	3.17E-04	3.33E-04	6.50E-04	3.12E-04	3.29E-04	6.41E-04
4050 471363.09, 3854877.25	0.01427	0.01417	2.17E-03	2.24E-03	2.04E-03	2.09E-03	1.97E-03	5.74E-04	5.70E-04	1.14E-03	5.60E-04	5.56E-04	1.12E-03	5.53E-04	5.49E-04	1.10E-03
4051 471863.09, 3854877.25	0.01481	0.01473	2.25E-03	2.33E-03	2.12E-03	2.17E-03	2.05E-03	5.96E-04	5.93E-04	1.19E-03	5.82E-04	5.78E-04	1.16E-03	5.74E-04	5.71E-04	1.14E-03
4052 472363.09, 3854877.25	0.01511	0.01497	2.30E-03	2.37E-03	2.16E-03	2.22E-03	2.09E-03	6.08E-04	6.02E-04	1.21E-03	5.93E-04	5.88E-04	1.18E-03	5.85E-04	5.80E-04	1.17E-03
4053 472863.09, 3854877.25	0.01494	0.01494	2.27E-03	2.37E-03	2.14E-03	2.19E-03	2.07E-03	6.01E-04	6.01E-04	1.20E-03	5.87E-04	5.87E-04	1.17E-03	5.79E-04	5.79E-04	1.16E-03
4054 473363.09, 3854877.25	0.01555	0.01562	2.36E-03	2.47E-03	2.23E-03	2.28E-03	2.15E-03	6.26E-04	6.29E-04	1.25E-03	6.11E-04	6.13E-04	1.22E-03	6.03E-04	6.05E-04	1.21E-03
4055 473863.09, 3854877.25	0.01607	0.0162	2.44E-03	2.56E-03	2.30E-03	2.36E-03	2.22E-03	6.47E-04	6.52E-04	1.30E-03	6.31E-04	6.36E-04	1.27E-03	6.23E-04	6.28E-04	1.25E-03
4056 474363.09, 3854877.25	0.01684	0.01715	2.56E-03	2.72E-03	2.41E-03	2.47E-03	2.33E-03	6.78E-04	6.90E-04	1.37E-03	6.61E-04	6.73E-04	1.33E-03	6.53E-04	6.65E-04	1.32E-03
4057 474863.09, 3854877.25	0.01438	0.01521	2.19E-03	2.41E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	6.12E-04	1.19E-03	5.65E-04	5.97E-04	1.16E-03	5.57E-04	5.89E-04	1.15E-03
4058 475363.09, 3854877.25	0.01237	0.01281	1.88E-03	2.03E-03	1.77E-03	1.81E-03	1.71E-03	4.98E-04	5.16E-04	1.01E-03	4.86E-04	5.03E-04	9.89E-04	4.79E-04	4.96E-04	9.76E-04
4059 475863.09, 3854877.25	0.01123	0.01134	1.71E-03	1.80E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	4.56E-04	9.08E-04	4.41E-04	4.45E-04	8.86E-04	4.35E-04	4.39E-04	8.75E-04
4060 476363.09, 3854877.25	0.00903	0.00927	1.37E-03	1.47E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	3.73E-04	7.36E-04	3.55E-04	3.64E-04	7.19E-04	3.50E-04	3.59E-04	7.09E-04
4061 476863.09, 3854877.25	0.00916	0.00921	1.39E-03	1.46E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	3.71E-04	7.39E-04	3.60E-04	3.62E-04	7.21E-04	3.55E-04	3.57E-04	7.12E-04
4062 477363.09, 3854877.25	0.01071	0.01051	1.63E-03	1.66E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	4.23E-04	8.54E-04	4.21E-04	4.13E-04	8.33E-04	4.15E-04	4.07E-04	8.22E-04
4063 477863.09, 3854877.25	0.01183	0.01179	1.80E-03	1.87E-03	1.69E-03	1.73E-03	1.64E-03	4.76E-04	4.74E-04	9.51E-04	4.65E-04	4.63E-04	9.28E-04	4.58E-04	4.57E-04	9.15E-04
4064 478363.09, 3854877.25	0.01418	0.01472	2.15E-03	2.33E-03	2.03E-03	2.08E-03	1.96E-03	5.71E-04	5.92E-04	1.16E-03	5.57E-04	5.78E-04	1.13E-03	5.49E-04	5.70E-04	1.12E-03
4065 478863.09, 3854877.25	0.01689	0.01727	2.57E-03	2.73E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	6.95E-04	1.37E-03	6.63E-04	6.78E-04	1.34E-03	6.54E-04	6.69E-04	1.32E-03
4066 479363.09, 3854877.25	0.01965	0.02164	2.99E-03	3.43E-03	2.81E-03	2.88E-03	2.72E-03	7.91E-04	8.71E-04	1.66E-03	7.72E-04	8.50E-04	1.62E-03	7.61E-04	8.39E-04	1.60E-03
4067 479863.09, 3854877.25	0.023	0.02497	3.49E-03	3.95E-03	3.29E-03	3.37E-03	3.18E-03	9.26E-04	1.00E-03	1.93E-03	9.03E-04	9.81E-04	1.88E-03	8.91E-04	9.68E-04	1.86E-03
4068 480363.09, 3854877.25	0.0263	0.02925	4.00E-03	4.63E-03	3.77E-03	3.86E-03	3.64E-03	1.06E-03	1.18E-03	2.24E-03	1.03E-03	1.15E-03	2.18E-03	1.02E-03	1.13E-03	2.15E-03
4069 480863.09, 3854877.25	0.03429	0.03785	5.21E-03	5.99E-03	4.91E-03	5.03E-03	4.74E-03	1.38E-03	1.52E-03	2.90E-03	1.35E-03	1.49E-03	2.83E-03	1.33E-03	1.47E-03	2.80E-03
4070 481363.09, 3854877.25	0.04029	0.04562	6.12E-03	7.22E-03	5.77E-03	5.91E-03	5.57E-03	1.62E-03	1.84E-03	3.46E-03	1.58E-03	1.79E-03	3.37E-03	1.56E-03	1.77E-03	3.33E-03
4071 481863.09, 3854877.25	0.04063	0.04725	6.17E-03	7.48E-03	5.82E-03	5.96E-03	5.62E-03	1.64E-03	1.90E-03	3.54E-03	1.60E-03	1.86E-03	3.45E-03	1.57E-03	1.83E-03	3.41E-03
4072 482363.09, 3854877.25	0.09744	0.06309	1.48E-02	9.99E-03	1.39E-02	1.43E-02	1.35E-02	3.92E-03	2.54E-03	6.46E-03	3.83E-03	2.48E-03	6.30E-03	3.78E-03	2.44E-03	6.22E-03
4073 482863.09, 3854877.25	0.1902	0.07912	2.89E-02	1.25E-02	2.72E-02	2.79E-02	2.63E-02	7.65E-03	3.18E-03	1.08E-02	7.47E-03	3.11E-03	1.06E-02	7.37E-03	3.07E-03	1.04E-02
4074 483363.09, 3854877.25	0.34394	0.10186	5.23E-02	1.61E-02	4.92E-02	5.04E-02	4.76E-02	1.38E-02	4.10E-03	1.79E-02	1.35E-02	4.00E-03	1.75E-02	1.33E-02	3.95E-03	1.73E-02
4075 483863.09, 3854877.25	0.1016	0.16982	1.54E-02	2.69E-02	1.45E-02	1.49E-02	1.41E-02	4.09E-03	6.83E-03	1.09E-02	3.99E-03	6.67E-03	1.07E-02	3.94E-03	6.58E-03	1.05E-02
4076 484363.09, 3854877.25	0.05279	0.59226	8.02E-03	9.38E-02	7.56E-03	7.74E-03	7.30E-03	2.12E-03	2.38E-02	2.60E-02	2.07E-03	2.33E-02	2.53E-02	2.05E-03	2.29E-02	2.50E-02
4077 484863.09, 3854877.25	0.0443	0.29644	6.73E-03	4.69E-02	6.34E-03	6.50E-03	6.13E-03	1.78E-03	1.19E-02	1.37E-02	1.74E-03	1.16E-02	1.34E-02	1.72E-03	1.15E-02	1.32E-02
4078 485363.09, 3854877.25	0.03499	0.1383	5.32E-03	2.19E-02	5.01E-03	5.13E-03	4.84E-03	1.41E-03	5.57E-03	6.97E-03	1.37E-03	5.43E-03	6.81E-03	1.36E-03	5.36E-03	6.71E-03
4079 485863.09, 3854877.25	0.02906	0.08689	4.42E-03	1.38E-02	4.16E-03	4.26E-03	4.02E-03	1.17E-03	3.50E-03	4.67E-03	1.14E-03	3.41E-03	4.55E-03	1.13E-03	3.37E-03	4.49E-03
4080 486363.09, 3854877.25	0.02464	0.06193	3.74E-03	9.81E-03	3.53E-03	3.61E-03	3.41E-03	9.92E-04	2.49E-03	3.48E-03	9.68E-04	2.43E-03	3.40E-03	9.55E-04	2.40E-03	3.35E-03
4081 486863.09, 3854877.25	0.02408	0.04929	3.66E-03	7.80E-03	3.45E-03	3.53E-03	3.33E-03	9.69E-04	1.98E-03	2.95E-03	9.46E-04	1.94E-03	2.88E-03	9.33E-04	1.91E-03	2.84E-03
4082 487363.09, 3854877.25	0.02576	0.04745	3.91E-03	7.51E-03	3.69E-03	3.78E-03	3.56E-03	1.04E-03	1.91E-03	2.95E-03	1.01E-03	1.86E-03	2.87E-03	9.98E-04	1.84E-03	2.84E-03
4083 487863.09, 3854877.25	0.02554	0.04515	3.88E-03	7.15E-03	3.66E-03	3.74E-03	3.53E-03	1.03E-03	1.82E-03	2.84E-03	1.00E-03	1.77E-03	2.78E-03	9.90E-04	1.75E-03	2.74E-03
4084 488363.09, 3854877.25	0.02609	0.04464	3.96E-03	7.07E-03	3.74E-03	3.83E-03	3.61E-03	1.05E-03	1.80E-03	2.85E-03	1.02E-03	1.75E-03	2.78E-03	1.01E-03	1.73E-03	2.74E-03
4085 488863.09, 3854877.25	0.02748	0.04502	4.18E-03	7.13E-03	3.93E-03	4.03E-03	3.80E-03	1.11E-03	1.81E-03	2.92E-03	1.08E-03	1.77E-03	2.85E-03	1.06E-03	1.74E-03	2.81E-03
4086 489363.09, 3854877.25	0.02836	0.04365	4.31E-03	6.91E-03	4.06E-03	4.16E-03	3.92E-03	1.14E-03	1.76E-03	2.90E-03	1.11E-03	1.71E-03	2.83E-03	1.10E-03	1.69E-03	2.79E-03
4087 489863.09, 3854877.25	0.02658	0.03923	4.04E-03	6.21E-03	3.81E-03	3.90E-03	3.68E-03	1.07E-03	1.58E-03	2.65E-03	1.04E-03	1.54E-03	2.58E-03	1.03E-03	1.52E-03	2.55E-03
4088 490363.09, 3854877.25	0.02153	0.02877	3.27E-03	4.56E-03	3.08E-03	3.16E-03	2.98E-03	8.66E-04	1.16E-03	2.02E-03	8.45E-04	1.13E-03	1.98E-03	8.34E-04	1.11E-03	1.95E-03

4089 490863.09, 3854877.25	0.01732	0.02117	2.63E-03	3.35E-03	2.48E-03	2.54E-03	2.40E-03	6.97E-04	8.52E-04	1.55E-03	6.80E-04	8.31E-04	1.51E-03	6.71E-04	8.20E-04	1.49E-03
4090 491363.09, 3854877.25	0.01723	0.02216	2.62E-03	3.51E-03	2.47E-03	2.53E-03	2.38E-03	6.93E-04	8.92E-04	1.59E-03	6.77E-04	8.70E-04	1.55E-03	6.68E-04	8.59E-04	1.53E-03
4091 491863.09, 3854877.25	0.02319	0.0317	3.52E-03	5.02E-03	3.32E-03	3.40E-03	3.21E-03	9.33E-04	1.28E-03	2.21E-03	9.11E-04	1.24E-03	2.16E-03	8.99E-04	1.23E-03	2.13E-03
4092 492363.09, 3854877.25	0.02289	0.03075	3.48E-03	4.87E-03	3.28E-03	3.36E-03	3.17E-03	9.21E-04	1.24E-03	2.16E-03	8.99E-04	1.21E-03	2.11E-03	8.87E-04	1.19E-03	2.08E-03
4093 492863.09, 3854877.25	0.02154	0.02838	3.27E-03	4.49E-03	3.08E-03	3.16E-03	2.98E-03	8.67E-04	1.14E-03	2.01E-03	8.46E-04	1.11E-03	1.96E-03	8.35E-04	1.10E-03	1.93E-03
4094 493363.09, 3854877.25	0.0205	0.02609	3.12E-03	4.13E-03	2.93E-03	3.01E-03	2.84E-03	8.25E-04	1.05E-03	1.87E-03	8.05E-04	1.02E-03	1.83E-03	7.94E-04	1.01E-03	1.81E-03
4095 493863.09, 3854877.25	0.01949	0.02442	2.96E-03	3.87E-03	2.79E-03	2.86E-03	2.70E-03	7.84E-04	9.83E-04	1.77E-03	7.65E-04	9.59E-04	1.72E-03	7.55E-04	9.46E-04	1.70E-03
4096 494363.09, 3854877.25	0.01631	0.01875	2.48E-03	2.97E-03	2.33E-03	2.39E-03	2.26E-03	6.56E-04	7.55E-04	1.41E-03	6.40E-04	7.36E-04	1.38E-03	6.32E-04	7.27E-04	1.36E-03
4097 494863.09, 3854877.25	0.01317	0.01439	2.00E-03	2.28E-03	1.89E-03	1.93E-03	1.82E-03	5.30E-04	5.79E-04	1.11E-03	5.17E-04	5.65E-04	1.08E-03	5.10E-04	5.58E-04	1.07E-03
4098 495363.09, 3854877.25	0.01151	0.01214	1.75E-03	1.92E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	4.89E-04	9.52E-04	4.52E-04	4.77E-04	9.29E-04	4.46E-04	4.70E-04	9.16E-04
4099 495863.09, 3854877.25	0.01029	0.01096	1.56E-03	1.74E-03	1.47E-03	1.51E-03	1.42E-03	4.14E-04	4.41E-04	8.55E-04	4.04E-04	4.30E-04	8.34E-04	3.99E-04	4.25E-04	8.23E-04
4100 496363.09, 3854877.25	0.00879	0.00925	1.34E-03	1.46E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.72E-04	7.26E-04	3.45E-04	3.63E-04	7.08E-04	3.41E-04	3.58E-04	6.99E-04
4101 496863.09, 3854877.25	0.00807	0.00855	1.23E-03	1.35E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.44E-04	6.69E-04	3.17E-04	3.36E-04	6.53E-04	3.13E-04	3.31E-04	6.44E-04
4102 497363.09, 3854877.25	0.0079	0.00838	1.20E-03	1.33E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.37E-04	6.55E-04	3.10E-04	3.29E-04	6.39E-04	3.06E-04	3.25E-04	6.31E-04
4103 497863.09, 3854877.25	0.00822	0.00863	1.25E-03	1.37E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.47E-04	6.78E-04	3.23E-04	3.39E-04	6.62E-04	3.19E-04	3.34E-04	6.53E-04
4104 498363.09, 3854877.25	0.00808	0.00843	1.23E-03	1.33E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.39E-04	6.64E-04	3.17E-04	3.31E-04	6.48E-04	3.13E-04	3.27E-04	6.40E-04
4105 471363.09, 3855377.25	0.01423	0.01399	2.16E-03	2.22E-03	2.04E-03	2.09E-03	1.97E-03	5.73E-04	5.63E-04	1.14E-03	5.59E-04	5.49E-04	1.11E-03	5.51E-04	5.42E-04	1.09E-03
4106 471863.09, 3855377.25	0.01448	0.01422	2.20E-03	2.25E-03	2.07E-03	2.12E-03	2.00E-03	5.83E-04	5.72E-04	1.15E-03	5.69E-04	5.58E-04	1.13E-03	5.61E-04	5.51E-04	1.11E-03
4107 472363.09, 3855377.25	0.01478	0.01479	2.25E-03	2.34E-03	2.12E-03	2.17E-03	2.04E-03	5.95E-04	5.95E-04	1.19E-03	5.80E-04	5.81E-04	1.16E-03	5.73E-04	5.73E-04	1.15E-03
4108 472863.09, 3855377.25	0.01468	0.01477	2.23E-03	2.34E-03	2.10E-03	2.15E-03	2.03E-03	5.91E-04	5.94E-04	1.19E-03	5.76E-04	5.80E-04	1.16E-03	5.69E-04	5.72E-04	1.14E-03
4109 473363.09, 3855377.25	0.01514	0.01553	2.30E-03	2.46E-03	2.17E-03	2.22E-03	2.09E-03	6.09E-04	6.25E-04	1.23E-03	5.95E-04	6.10E-04	1.20E-03	5.87E-04	6.02E-04	1.19E-03
4110 473863.09, 3855377.25	0.01604	0.01635	2.44E-03	2.59E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	6.58E-04	1.30E-03	6.30E-04	6.42E-04	1.27E-03	6.22E-04	6.34E-04	1.26E-03
4111 474363.09, 3855377.25	0.01635	0.01697	2.48E-03	2.69E-03	2.34E-03	2.40E-03	2.26E-03	6.58E-04	6.83E-04	1.34E-03	6.42E-04	6.66E-04	1.31E-03	6.34E-04	6.58E-04	1.29E-03
4112 474863.09, 3855377.25	0.01409	0.01446	2.14E-03	2.29E-03	2.02E-03	2.07E-03	1.95E-03	5.67E-04	5.82E-04	1.15E-03	5.53E-04	5.68E-04	1.12E-03	5.46E-04	5.60E-04	1.11E-03
4113 475363.09, 3855377.25	0.00999	0.01017	1.52E-03	1.61E-03	1.43E-03	1.46E-03	1.38E-03	4.02E-04	4.09E-04	8.11E-04	3.92E-04	3.99E-04	7.92E-04	3.87E-04	3.94E-04	7.81E-04
4114 475863.09, 3855377.25	0.00902	0.00873	1.37E-03	1.38E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	3.51E-04	7.14E-04	3.54E-04	3.43E-04	6.97E-04	3.50E-04	3.38E-04	6.88E-04
4115 476363.09, 3855377.25	0.00982	0.01021	1.49E-03	1.62E-03	1.41E-03	1.44E-03	1.36E-03	3.95E-04	4.11E-04	8.06E-04	3.86E-04	4.01E-04	7.87E-04	3.81E-04	3.96E-04	7.76E-04
4116 476863.09, 3855377.25	0.00982	0.00942	1.49E-03	1.49E-03	1.41E-03	1.44E-03	1.36E-03	3.95E-04	3.79E-04	7.74E-04	3.86E-04	3.70E-04	7.56E-04	3.81E-04	3.65E-04	7.46E-04
4117 477363.09, 3855377.25	0.01067	0.01067	1.62E-03	1.69E-03	1.53E-03	1.56E-03	1.48E-03	4.29E-04	4.29E-04	8.59E-04	4.19E-04	4.19E-04	8.38E-04	4.13E-04	4.13E-04	8.27E-04
4118 477863.09, 3855377.25	0.01224	0.01222	1.86E-03	1.93E-03	1.75E-03	1.79E-03	1.69E-03	4.93E-04	4.92E-04	9.84E-04	4.81E-04	4.80E-04	9.61E-04	4.74E-04	4.74E-04	9.48E-04
4119 478363.09, 3855377.25	0.01434	0.01435	2.18E-03	2.27E-03	2.05E-03	2.10E-03	1.98E-03	5.77E-04	5.77E-04	1.15E-03	5.63E-04	5.64E-04	1.13E-03	5.56E-04	5.56E-04	1.11E-03
4120 478863.09, 3855377.25	0.0168	0.01725	2.55E-03	2.73E-03	2.41E-03	2.46E-03	2.32E-03	6.76E-04	6.94E-04	1.37E-03	6.60E-04	6.77E-04	1.34E-03	6.51E-04	6.68E-04	1.32E-03
4121 479363.09, 3855377.25	0.01879	0.01985	2.86E-03	3.14E-03	2.69E-03	2.76E-03	2.60E-03	7.56E-04	7.99E-04	1.55E-03	7.38E-04	7.80E-04	1.52E-03	7.28E-04	7.69E-04	1.50E-03
4122 479863.09, 3855377.25	0.02156	0.02385	3.28E-03	3.78E-03	3.09E-03	3.16E-03	2.98E-03	8.68E-04	9.60E-04	1.83E-03	8.47E-04	9.37E-04	1.78E-03	8.35E-04	9.24E-04	1.76E-03
4123 480363.09, 3855377.25	0.02575	0.03081	3.91E-03	4.88E-03	3.69E-03	3.78E-03	3.56E-03	1.04E-03	1.24E-03	2.28E-03	1.01E-03	1.21E-03	2.22E-03	9.98E-04	1.19E-03	2.19E-03
4124 480863.09, 3855377.25	0.03243	0.03643	4.93E-03	5.77E-03	4.64E-03	4.76E-03	4.49E-03	1.31E-03	1.47E-03	2.77E-03	1.27E-03	1.43E-03	2.70E-03	1.26E-03	1.41E-03	2.67E-03
4125 481363.09, 3855377.25	0.04935	0.04444	7.50E-03	7.04E-03	7.06E-03	7.24E-03	6.83E-03	1.99E-03	1.79E-03	3.77E-03	1.94E-03	1.75E-03	3.68E-03	1.91E-03	1.72E-03	3.63E-03
4126 481863.09, 3855377.25	0.06365	0.04739	9.67E-03	7.50E-03	9.11E-03	9.33E-03	8.80E-03	2.56E-03	1.91E-03	4.47E-03	2.50E-03	1.86E-03	4.36E-03	2.47E-03	1.84E-03	4.30E-03
4127 482363.09, 3855377.25	0.07906	0.05137	1.20E-02	8.13E-03	1.13E-02	1.16E-02	1.09E-02	3.18E-03	2.07E-03	5.25E-03	3.10E-03	2.02E-03	5.12E-03	3.06E-03	1.99E-03	5.05E-03
4128 482863.09, 3855377.25	0.10689	0.05688	1.62E-02	9.01E-03	1.53E-02	1.57E-02	1.48E-02	4.30E-03	2.29E-03	6.59E-03	4.20E-03	2.23E-03	6.43E-03	4.14E-03	2.20E-03	6.35E-03
4129 483363.09, 3855377.25	0.18918	0.06518	2.87E-02	1.03E-02	2.71E-02	2.77E-02	2.62E-02	7.61E-03	2.62E-03	1.02E-02	7.43E-03	2.56E-03	9.99E-03	7.33E-03	2.53E-03	9.86E-03
4130 483863.09, 3855377.25	0.43425	0.08119	6.60E-02	1.29E-02	6.22E-02	6.37E-02	6.01E-02	1.75E-02	3.27E-03	2.07E-02	1.71E-02	3.19E-03	2.02E-02	1.68E-02	3.15E-03	2.00E-02
4131 484363.09, 3855377.25	0.10665	0.11874	1.62E-02	1.88E-02	1.53E-02	1.56E-02	1.48E-02	4.29E-03	4.78E-03	9.07E-03	4.19E-03	4.66E-03	8.85E-03	4.13E-03	4.60E-03	8.73E-03
4132 484863.09, 3855377.25	0.07581	0.24762	1.15E-02	3.92E-02	1.09E-02	1.11E-02	1.05E-02	3.05E-03	9.97E-03	1.30E-02	2.98E-03	9.72E-03	1.27E-02	2.94E-03	9.59E-03	1.25E-02
4133 485363.09, 3855377.25	0.05478	0.28885	8.32E-03	4.57E-02	7.84E-03	8.03E-03	7.58E-03	2.20E-03	1.16E-02	1.38E-02	2.15E-03	1.13E-02	1.35E-02	2.12E-03	1.12E-02	1.33E-02
4134 485863.09, 3855377.25	0.04445	0.14234	6.75E-03	2.25E-02	6.36E-03	6.52E-03	6.15E-03	1.79E-03	5.73E-03	7.52E-03	1.75E-03	5.59E-03	7.34E-03	1.72E-03	5.52E-03	7.24E-03
4135 486363.09, 3855377.25	0.0358	0.08925	5.44E-03	1.41E-02	5.13E-03	5.25E-03	4.95E-03	1.44E-03	3.59E-03	5.03E-03	1.41E-03	3.50E-03	4.91E-03	1.39E-03	3.46E-03	4.85E-03
4136 486863.09, 3855377.25	0.02907	0.07047	4.42E-03	1.12E-02	4.16E-03	4.26E-03	4.02E-03	1.17E-03	2.84E-03	4.01E-03	1.14E-03	2.77E-03	3.91E-03	1.13E-03	2.73E-03	3.86E-03
4137 487363.09, 3855377.25	0.03	0.06566	4.56E-03	1.04E-02	4.29E-03	4.40E-03	4.15E-03	1.21E-03	2.64E-03	3.85E-03	1.18E-03	2.58E-03	3.76E-03	1.16E-03	2.54E-03	3.71E-03
4138 487863.09, 3855377.25	0.03099	0.0615	4.71E-03	9.74E-03	4.44E-03	4.54E-03	4.29E-03	1.25E-03	2.47E-03	3.72E-03	1.22E-03	2.42E-03	3.63E-03	1.20E-03	2.38E-03	3.58E-03
4139 488363.09, 3855377.25	0.03191	0.05607	4.85E-03	8.88E-03	4.57E-03	4.68E-03	4.41E-03	1.28E-03	2.26E-03	3.54E-03	1.25E-03	2.20E-03	3.45E-03	1.24E-03	2.17E-03	3.41E-03
4140 488863.09, 3855377.25	0.03222	0.05179	4.90E-03	8.20E-03	4.61E-03	4.72E-03	4.46E-03	1.30E-03	2.08E-03	3.38E-03	1.27E-03	2.03E-03	3.30E-03	1.25E-03	2.01E-03	3.26E-03
4141 489363.09, 3855377.25	0.0315	0.04882	4.79E-03	7.73E-03	4.51E-03	4.62E-03	4.36E-03	1.27E-03	1.96E-03	3.23E-03	1.24E-03	1.92E-03	3.15E-03	1.22E-03	1.89E-03	3.11E-03
4142 489863.09, 3855377.25	0.02924	0.04471	4.44E-03	7.08E-03	4.19E-03	4.29E-03	4.04E-03	1.18E-03	1.80E-03	2.98E-03	1.15E-03	1.76E-03	2.90E-03	1.13E-03	1.73E-03	2.87E-03
4143 490363.09, 3855377.25	0.02964	0.04267	4.50E-03	6.76E-03	4.24E-03	4.35E-03	4.10E-03	1.19E-03	1.72E-03	2.91E-03	1.16E-03	1.68E-03	2.84E-03	1.15E-03	1.65E-03	2.80E-03
4144 490863.09, 3855377.25	0.01886	0.0263	2.87E-03	4.16E-03	2.70E-03	2.77E-03	2.61E-03	7.59E-04	1.06E-03	1.82E-03	7.41E-04	1.03E-03	1.77E-03	7.31E-04	1.02E-03	1.75E-03
4145 491363.09, 3855377.25	0.01708	0.02357	2.60E-03	3.73E-03	2.45E-03	2.50E-03	2.36E-03	6.87E-04	9.49E-04	1.64E-03	6.71E-04	9.26E-04	1.60E-03	6.62E-04	9.13E-04	1.58E-03
4146 491863.09, 3855377.25	0.02622	0.03356	3.98E-03	5.31E-03	3.75E-03	3.84E-03	3.63E-03	1.06E-03	1.35E-03	2.41E-03	1.03E-03	1.32E-03	2.35E-03	1.02E-03	1.30E-03	2.32E-03
4147 492363.09, 3855377.25	0.02575	0.03256	3.91E-03	5.16E-03	3.69E-03	3.78E-03	3.56E-03	1.04E-03	1.31E-03	2.35E-03	1.01E-03	1.28E-03	2.29E-03	9.98E-04	1.26E-03	2.26E-03
4148 492863.09, 3855377.25	0.024	0.03063	3.65E-03	4.85E-03	3.44E-03	3.52E-03	3.32E-03	9.66E-04	1.23E-03	2.20E-03	9.42E-04	1.20E-03	2.15E-03	9.30E-04	1.19E-03	2.12E-03
4149 493363.09, 3855377.25	0.02136	0.02748	3.25E-03	4.35E-03	3.06E-03	3.13E-03	2.95E-03	8.60E-04	1.11E-03	1.97E-03	8.39E-04	1.08E-03	1.92E-03	8.28E-04	1.06E-03	1.89E-03
4150 493863.09, 3855377.25	0.01723	0.02137	2.62E-03	3.38E-03	2.47E-03	2.53E-03	2.38E-03	6.93E-04	8.60E-04	1.55E-03	6.77E-04	8.39E-04	1.52E-03	6.68E-04	8.28E-04	1.50E-03
4151 494363.09, 3855377.25	0.01421	0.01634	2.16E-03	2.59E-03	2.03E-03	2.08E-03	1.97E-03	5.72E-04	6.58E-04	1.23E-03	5.58E-04	6.42E-04	1.20E-03	5.51E-04	6.33E-04	1.18E-03
4152 494863.09, 3855377.25	0.01134	0.0124	1.72E-03	1.96E-03	1.62E-03	1.66E-03	1.57E-03	4.56E-04	4.99E-04	9.55E-04	4.45E-04	4.87E-04	9.32E-04	4.39E-04	4.80E-04	9.20E-04
4153 495363.09, 3855377.25	0.00971	0.01024	1.48E-03	1.62E-03	1.39E-03	1.42E-03	1.34E-03	3.91E-04	4.12E-04	8.03E-04	3.81E-04	4.02E-04	7.83E-04	3.76E-04	3.97E-04	7.73E-04
4154 495863.09, 3855377.25	0.00869	0.00909	1.32E-03	1.44E-03	1.24E-03	1.27E-03	1.20E-03	3.50E-04	3.66E-04	7.16E-04	3.41E-04	3.57E-04	6.98E-04	3.37E-04	3.52E-04	6.89E-04

4155 496363.09, 3855377.25	0.00839	0.00878	1.27E-03	1.39E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.53E-04	6.91E-04	3.29E-04	3.45E-04	6.74E-04	3.25E-04	3.40E-04	6.65E-04
4156 496863.09, 3855377.25	0.00809	0.0087	1.23E-03	1.38E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.50E-04	6.76E-04	3.18E-04	3.42E-04	6.59E-04	3.13E-04	3.37E-04	6.51E-04
4157 497363.09, 3855377.25	0.00831	0.00868	1.26E-03	1.37E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.49E-04	6.84E-04	3.26E-04	3.41E-04	6.67E-04	3.22E-04	3.36E-04	6.58E-04
4158 497863.09, 3855377.25	0.00841	0.00884	1.28E-03	1.40E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.56E-04	6.94E-04	3.30E-04	3.47E-04	6.77E-04	3.26E-04	3.43E-04	6.68E-04
4159 498363.09, 3855377.25	0.00887	0.00905	1.35E-03	1.43E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	3.64E-04	7.21E-04	3.48E-04	3.55E-04	7.04E-04	3.44E-04	3.51E-04	6.94E-04
4160 471363.09, 3855877.25	0.01393	0.01449	2.12E-03	2.29E-03	1.99E-03	2.04E-03	1.93E-03	5.61E-04	5.83E-04	1.14E-03	5.47E-04	5.69E-04	1.12E-03	5.40E-04	5.61E-04	1.10E-03
4161 471863.09, 3855877.25	0.014	0.01475	2.13E-03	2.34E-03	2.00E-03	2.05E-03	1.94E-03	5.63E-04	5.94E-04	1.16E-03	5.50E-04	5.79E-04	1.13E-03	5.42E-04	5.72E-04	1.11E-03
4162 472363.09, 3855877.25	0.01462	0.0158	2.22E-03	2.50E-03	2.09E-03	2.14E-03	2.02E-03	5.88E-04	6.36E-04	1.22E-03	5.74E-04	6.20E-04	1.19E-03	5.67E-04	6.12E-04	1.18E-03
4163 472863.09, 3855877.25	0.01459	0.016	2.22E-03	2.53E-03	2.09E-03	2.14E-03	2.02E-03	5.87E-04	6.44E-04	1.23E-03	5.73E-04	6.28E-04	1.20E-03	5.65E-04	6.20E-04	1.19E-03
4164 473363.09, 3855877.25	0.01502	0.01658	2.28E-03	2.63E-03	2.15E-03	2.20E-03	2.08E-03	6.04E-04	6.67E-04	1.27E-03	5.90E-04	6.51E-04	1.24E-03	5.82E-04	6.42E-04	1.22E-03
4165 473863.09, 3855877.25	0.0163	0.01704	2.48E-03	2.70E-03	2.33E-03	2.39E-03	2.25E-03	6.56E-04	6.86E-04	1.34E-03	6.40E-04	6.69E-04	1.31E-03	6.32E-04	6.60E-04	1.29E-03
4166 474363.09, 3855877.25	0.01672	0.0175	2.54E-03	2.77E-03	2.39E-03	2.45E-03	2.31E-03	6.73E-04	7.04E-04	1.38E-03	6.57E-04	6.87E-04	1.34E-03	6.48E-04	6.78E-04	1.33E-03
4167 474863.09, 3855877.25	0.01358	0.01577	2.06E-03	2.50E-03	1.94E-03	1.99E-03	1.88E-03	5.47E-04	6.35E-04	1.18E-03	5.33E-04	6.19E-04	1.15E-03	5.26E-04	6.11E-04	1.14E-03
4168 475363.09, 3855877.25	0.01101	0.01107	1.67E-03	1.75E-03	1.58E-03	1.61E-03	1.52E-03	4.43E-04	4.45E-04	8.89E-04	4.32E-04	4.35E-04	8.67E-04	4.27E-04	4.29E-04	8.56E-04
4169 475863.09, 3855877.25	0.0077	0.00714	1.17E-03	1.13E-03	1.10E-03	1.13E-03	1.06E-03	3.10E-04	2.87E-04	5.97E-04	3.02E-04	2.80E-04	5.83E-04	2.98E-04	2.77E-04	5.75E-04
4170 476363.09, 3855877.25	0.00799	0.00758	1.21E-03	1.20E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.05E-04	6.27E-04	3.14E-04	2.98E-04	6.11E-04	3.10E-04	2.94E-04	6.03E-04
4171 476863.09, 3855877.25	0.0095	0.00961	1.44E-03	1.52E-03	1.36E-03	1.39E-03	1.31E-03	3.82E-04	3.87E-04	7.69E-04	3.73E-04	3.77E-04	7.50E-04	3.68E-04	3.72E-04	7.40E-04
4172 477363.09, 3855877.25	0.01101	0.01114	1.67E-03	1.76E-03	1.58E-03	1.61E-03	1.52E-03	4.43E-04	4.48E-04	8.91E-04	4.32E-04	4.37E-04	8.70E-04	4.27E-04	4.32E-04	8.58E-04
4173 477863.09, 3855877.25	0.01225	0.01262	1.86E-03	2.00E-03	1.75E-03	1.80E-03	1.69E-03	4.93E-04	5.08E-04	1.00E-03	4.81E-04	4.96E-04	9.77E-04	4.75E-04	4.89E-04	9.64E-04
4174 478363.09, 3855877.25	0.01402	0.01442	2.13E-03	2.28E-03	2.01E-03	2.06E-03	1.94E-03	5.64E-04	5.80E-04	1.14E-03	5.51E-04	5.66E-04	1.12E-03	5.43E-04	5.59E-04	1.10E-03
4175 478863.09, 3855877.25	0.01571	0.01727	2.39E-03	2.73E-03	2.25E-03	2.30E-03	2.17E-03	6.32E-04	6.95E-04	1.33E-03	6.17E-04	6.78E-04	1.30E-03	6.09E-04	6.69E-04	1.28E-03
4176 479363.09, 3855877.25	0.01839	0.02193	2.79E-03	3.47E-03	2.63E-03	2.70E-03	2.54E-03	7.40E-04	8.83E-04	1.62E-03	7.22E-04	8.61E-04	1.58E-03	7.13E-04	8.50E-04	1.56E-03
4177 479863.09, 3855877.25	0.02086	0.02387	3.17E-03	3.78E-03	2.99E-03	3.06E-03	2.89E-03	8.39E-04	9.61E-04	1.80E-03	8.19E-04	9.37E-04	1.76E-03	8.08E-04	9.25E-04	1.73E-03
4178 480363.09, 3855877.25	0.02465	0.02768	3.75E-03	4.38E-03	3.53E-03	3.61E-03	3.41E-03	9.92E-04	1.11E-03	2.11E-03	9.68E-04	1.09E-03	2.05E-03	9.55E-04	1.07E-03	2.03E-03
4179 480863.09, 3855877.25	0.03265	0.03587	4.96E-03	5.68E-03	4.67E-03	4.79E-03	4.52E-03	1.31E-03	1.44E-03	2.76E-03	1.28E-03	1.41E-03	2.69E-03	1.27E-03	1.39E-03	2.66E-03
4180 481363.09, 3855877.25	0.03206	0.03841	4.87E-03	6.08E-03	4.59E-03	4.70E-03	4.43E-03	1.29E-03	1.55E-03	2.84E-03	1.26E-03	1.51E-03	2.77E-03	1.24E-03	1.49E-03	2.73E-03
4181 481863.09, 3855877.25	0.05646	0.04426	8.58E-03	7.01E-03	8.08E-03	8.28E-03	7.81E-03	2.27E-03	1.78E-03	4.05E-03	2.22E-03	1.74E-03	3.96E-03	2.19E-03	1.72E-03	3.90E-03
4182 482363.09, 3855877.25	0.0673	0.04465	1.02E-02	7.07E-03	9.63E-03	9.87E-03	9.31E-03	2.71E-03	1.80E-03	4.51E-03	2.64E-03	1.75E-03	4.40E-03	2.61E-03	1.73E-03	4.34E-03
4183 482863.09, 3855877.25	0.08035	0.0497	1.22E-02	7.87E-03	1.15E-02	1.18E-02	1.11E-02	3.23E-03	2.00E-03	5.23E-03	3.16E-03	1.95E-03	5.11E-03	3.11E-03	1.93E-03	5.04E-03
4184 483363.09, 3855877.25	0.10141	0.05326	1.54E-02	8.43E-03	1.45E-02	1.49E-02	1.40E-02	4.08E-03	2.14E-03	6.22E-03	3.98E-03	2.09E-03	6.07E-03	3.93E-03	2.06E-03	5.99E-03
4185 483863.09, 3855877.25	0.17437	0.06164	2.65E-02	9.76E-03	2.50E-02	2.56E-02	2.41E-02	7.02E-03	2.48E-03	9.50E-03	6.85E-03	2.42E-03	9.27E-03	6.76E-03	2.39E-03	9.15E-03
4186 484363.09, 3855877.25	0.62128	0.07906	9.44E-02	1.25E-02	8.89E-02	9.11E-02	8.59E-02	2.50E-02	3.18E-03	2.82E-02	2.44E-02	3.10E-03	2.75E-02	2.41E-02	3.06E-03	2.71E-02
4187 484863.09, 3855877.25	0.15932	0.10554	2.42E-02	1.67E-02	2.28E-02	2.34E-02	2.20E-02	6.41E-03	4.25E-03	1.07E-02	6.26E-03	4.14E-03	1.04E-02	6.17E-03	4.09E-03	1.03E-02
4188 485363.09, 3855877.25	0.09869	0.22494	1.50E-02	3.56E-02	1.41E-02	1.45E-02	1.36E-02	3.97E-03	9.05E-03	1.30E-02	3.88E-03	8.83E-03	1.27E-02	3.82E-03	8.72E-03	1.25E-02
4189 485863.09, 3855877.25	0.06549	0.30815	9.95E-03	4.88E-02	9.38E-03	9.60E-03	9.06E-03	2.64E-03	1.24E-02	1.50E-02	2.57E-03	1.21E-02	1.47E-02	2.54E-03	1.19E-02	1.45E-02
4190 486363.09, 3855877.25	0.04717	0.12763	7.17E-03	2.02E-02	6.75E-03	6.92E-03	6.52E-03	1.90E-03	5.14E-03	7.03E-03	1.85E-03	5.01E-03	6.86E-03	1.83E-03	4.95E-03	6.77E-03
4191 486863.09, 3855877.25	0.03966	0.09427	6.03E-03	1.49E-02	5.68E-03	5.82E-03	5.49E-03	1.60E-03	3.79E-03	5.39E-03	1.56E-03	3.70E-03	5.26E-03	1.54E-03	3.65E-03	5.19E-03
4192 487363.09, 3855877.25	0.04005	0.08404	6.09E-03	1.33E-02	5.73E-03	5.87E-03	5.54E-03	1.61E-03	3.38E-03	4.99E-03	1.57E-03	3.30E-03	4.87E-03	1.55E-03	3.26E-03	4.81E-03
4193 487863.09, 3855877.25	0.04097	0.07572	6.23E-03	1.20E-02	5.87E-03	6.01E-03	5.67E-03	1.65E-03	3.05E-03	4.70E-03	1.61E-03	2.97E-03	4.58E-03	1.59E-03	2.93E-03	4.52E-03
4194 488363.09, 3855877.25	0.03959	0.0667	6.02E-03	1.06E-02	5.67E-03	5.80E-03	5.48E-03	1.59E-03	2.68E-03	4.28E-03	1.55E-03	2.62E-03	4.17E-03	1.53E-03	2.58E-03	4.12E-03
4195 488863.09, 3855877.25	0.03896	0.06079	5.92E-03	9.62E-03	5.58E-03	5.71E-03	5.39E-03	1.57E-03	2.45E-03	4.01E-03	1.53E-03	2.39E-03	3.92E-03	1.51E-03	2.36E-03	3.87E-03
4196 489363.09, 3855877.25	0.03793	0.0555	5.76E-03	8.79E-03	5.43E-03	5.56E-03	5.25E-03	1.53E-03	2.23E-03	3.76E-03	1.49E-03	2.18E-03	3.67E-03	1.47E-03	2.15E-03	3.62E-03
4197 489863.09, 3855877.25	0.03677	0.0486	5.59E-03	7.69E-03	5.26E-03	5.39E-03	5.09E-03	1.48E-03	1.96E-03	3.44E-03	1.44E-03	1.91E-03	3.35E-03	1.42E-03	1.88E-03	3.31E-03
4198 490363.09, 3855877.25	0.03466	0.04594	5.27E-03	7.27E-03	4.96E-03	5.08E-03	4.79E-03	1.39E-03	1.85E-03	3.24E-03	1.36E-03	1.80E-03	3.17E-03	1.34E-03	1.78E-03	3.12E-03
4199 490863.09, 3855877.25	0.03146	0.04252	4.78E-03	6.73E-03	4.50E-03	4.61E-03	4.35E-03	1.27E-03	1.71E-03	2.98E-03	1.24E-03	1.67E-03	2.91E-03	1.22E-03	1.65E-03	2.87E-03
4200 491363.09, 3855877.25	0.02501	0.03629	3.80E-03	5.75E-03	3.58E-03	3.67E-03	3.46E-03	1.01E-03	1.46E-03	2.47E-03	9.82E-04	1.43E-03	2.41E-03	9.69E-04	1.41E-03	2.38E-03
4201 491863.09, 3855877.25	0.02902	0.03716	4.41E-03	5.88E-03	4.15E-03	4.26E-03	4.01E-03	1.17E-03	1.50E-03	2.66E-03	1.14E-03	1.46E-03	2.60E-03	1.12E-03	1.44E-03	2.56E-03
4202 492363.09, 3855877.25	0.02666	0.03414	4.05E-03	5.41E-03	3.82E-03	3.91E-03	3.69E-03	1.07E-03	1.37E-03	2.45E-03	1.05E-03	1.34E-03	2.39E-03	1.03E-03	1.32E-03	2.36E-03
4203 492863.09, 3855877.25	0.02511	0.03167	3.82E-03	5.01E-03	3.59E-03	3.68E-03	3.47E-03	1.01E-03	1.27E-03	2.29E-03	9.86E-04	1.24E-03	2.23E-03	9.73E-04	1.23E-03	2.20E-03
4204 493363.09, 3855877.25	0.01959	0.02504	2.98E-03	3.96E-03	2.80E-03	2.87E-03	2.71E-03	7.88E-04	1.01E-03	1.80E-03	7.69E-04	9.83E-04	1.75E-03	7.59E-04	9.70E-04	1.73E-03
4205 493863.09, 3855877.25	0.01544	0.01754	2.35E-03	2.78E-03	2.21E-03	2.26E-03	2.14E-03	6.21E-04	7.06E-04	1.33E-03	6.06E-04	6.89E-04	1.30E-03	5.98E-04	6.80E-04	1.28E-03
4206 494363.09, 3855877.25	0.01236	0.01383	1.88E-03	2.19E-03	1.77E-03	1.81E-03	1.71E-03	4.97E-04	5.57E-04	1.05E-03	4.85E-04	5.43E-04	1.03E-03	4.79E-04	5.36E-04	1.01E-03
4207 494863.09, 3855877.25	0.01037	0.01129	1.58E-03	1.79E-03	1.48E-03	1.52E-03	1.43E-03	4.17E-04	4.54E-04	8.72E-04	4.07E-04	4.43E-04	8.51E-04	4.02E-04	4.37E-04	8.39E-04
4208 495363.09, 3855877.25	0.00881	0.0091	1.34E-03	1.44E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.66E-04	7.21E-04	3.46E-04	3.57E-04	7.03E-04	3.41E-04	3.53E-04	6.94E-04
4209 495863.09, 3855877.25	0.00854	0.00887	1.30E-03	1.40E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.57E-04	7.01E-04	3.35E-04	3.48E-04	6.84E-04	3.31E-04	3.44E-04	6.75E-04
4210 496363.09, 3855877.25	0.00849	0.00864	1.29E-03	1.37E-03	1.22E-03	1.24E-03	1.17E-03	3.42E-04	3.48E-04	6.89E-04	3.33E-04	3.39E-04	6.73E-04	3.29E-04	3.35E-04	6.64E-04
4211 496863.09, 3855877.25	0.0086	0.00885	1.31E-03	1.40E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.56E-04	7.02E-04	3.38E-04	3.48E-04	6.85E-04	3.33E-04	3.43E-04	6.76E-04
4212 497363.09, 3855877.25	0.00866	0.00883	1.32E-03	1.40E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.55E-04	7.04E-04	3.40E-04	3.47E-04	6.87E-04	3.36E-04	3.42E-04	6.78E-04
4213 497863.09, 3855877.25	0.00887	0.00904	1.35E-03	1.43E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	3.64E-04	7.21E-04	3.48E-04	3.55E-04	7.03E-04	3.44E-04	3.50E-04	6.94E-04
4214 498363.09, 3855877.25	0.00982	0.01006	1.49E-03	1.59E-03	1.41E-03	1.44E-03	1.36E-03	3.95E-04	4.05E-04	8.00E-04	3.86E-04	3.95E-04	7.81E-04	3.81E-04	3.90E-04	7.70E-04
4215 471363.09, 3856377.25	0.01352	0.01431	2.05E-03	2.27E-03	1.94E-03	1.98E-03	1.87E-03	5.44E-04	5.76E-04	1.12E-03	5.31E-04	5.62E-04	1.09E-03	5.24E-04	5.54E-04	1.08E-03
4216 471863.09, 3856377.25	0.01359	0.0143	2.07E-03	2.26E-03	1.95E-03	1.99E-03	1.88E-03	5.47E-04	5.75E-04	1.12E-03	5.34E-04	5.62E-04	1.10E-03	5.27E-04	5.54E-04	1.08E-03
4217 472363.09, 3856377.25	0.01404	0.01478	2.13E-03	2.34E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.95E-04	1.16E-03	5.51E-04	5.80E-04	1.13E-03	5.44E-04	5.73E-04	1.12E-03
4218 472863.09, 3856377.25	0.01439	0.01537	2.19E-03	2.43E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	6.19E-04	1.20E-03	5.65E-04	6.04E-04	1.17E-03	5.58E-04	5.96E-04	1.15E-03
4219 473363.09, 3856377.25	0.01464	0.01589	2.22E-03	2.52E-03	2.10E-03	2.15E-03	2.02E-03	5.89E-04	6.39E-04	1.23E-03	5.75E-04	6.24E-04	1.20E-03	5.67E-04	6.16E-04	1.18E-03
4220 473863.09, 3856377.25	0.0157	0.01694	2.39E-03	2.68E-03	2.25E-03	2.30E-03	2.17E-03	6.32E-04	6.82E-04	1.31E-03	6.17E-04	6.65E-04	1.28E-03	6.08E-04	6.56E-04	1.26E-03

4221 474363.09, 3856377.25	0.01663	0.01681	2.53E-03	2.66E-03	2.38E-03	2.44E-03	2.30E-03	6.69E-04	6.76E-04	1.35E-03	6.53E-04	6.60E-04	1.31E-03	6.44E-04	6.51E-04	1.30E-03
4222 474863.09, 3856377.25	0.01531	0.01611	2.33E-03	2.55E-03	2.19E-03	2.24E-03	2.12E-03	6.16E-04	6.48E-04	1.26E-03	6.01E-04	6.33E-04	1.23E-03	5.93E-04	6.24E-04	1.22E-03
4223 475363.09, 3856377.25	0.01261	0.01379	1.92E-03	2.18E-03	1.81E-03	1.85E-03	1.74E-03	5.07E-04	5.55E-04	1.06E-03	4.95E-04	5.42E-04	1.04E-03	4.89E-04	5.34E-04	1.02E-03
4224 475863.09, 3856377.25	0.0102	0.01074	1.55E-03	1.70E-03	1.46E-03	1.50E-03	1.41E-03	4.10E-04	4.32E-04	8.43E-04	4.01E-04	4.22E-04	8.22E-04	3.95E-04	4.16E-04	8.11E-04
4225 476363.09, 3856377.25	0.00982	0.01075	1.49E-03	1.70E-03	1.41E-03	1.44E-03	1.36E-03	3.95E-04	4.33E-04	8.28E-04	3.86E-04	4.22E-04	8.08E-04	3.81E-04	4.17E-04	7.97E-04
4226 476863.09, 3856377.25	0.01018	0.01118	1.55E-03	1.77E-03	1.46E-03	1.49E-03	1.41E-03	4.10E-04	4.50E-04	8.60E-04	4.00E-04	4.39E-04	8.39E-04	3.94E-04	4.33E-04	8.28E-04
4227 477363.09, 3856377.25	0.01116	0.01172	1.70E-03	1.86E-03	1.60E-03	1.64E-03	1.54E-03	4.49E-04	4.72E-04	9.21E-04	4.38E-04	4.60E-04	8.98E-04	4.32E-04	4.54E-04	8.87E-04
4228 477863.09, 3856377.25	0.01019	0.01049	1.55E-03	1.66E-03	1.46E-03	1.49E-03	1.41E-03	4.10E-04	4.22E-04	8.32E-04	4.00E-04	4.12E-04	8.12E-04	3.95E-04	4.06E-04	8.01E-04
4229 478363.09, 3856377.25	0.01049	0.01018	1.59E-03	1.61E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	4.10E-04	8.32E-04	4.12E-04	4.00E-04	8.12E-04	4.06E-04	3.94E-04	8.01E-04
4230 478863.09, 3856377.25	0.01407	0.0147	2.14E-03	2.33E-03	2.01E-03	2.06E-03	1.95E-03	5.66E-04	5.92E-04	1.16E-03	5.53E-04	5.77E-04	1.13E-03	5.45E-04	5.70E-04	1.11E-03
4231 479363.09, 3856377.25	0.01631	0.01828	2.48E-03	2.89E-03	2.33E-03	2.39E-03	2.26E-03	6.56E-04	7.36E-04	1.39E-03	6.40E-04	7.18E-04	1.36E-03	6.32E-04	7.08E-04	1.34E-03
4232 479863.09, 3856377.25	0.01924	0.02276	2.92E-03	3.60E-03	2.75E-03	2.82E-03	2.66E-03	7.74E-04	9.16E-04	1.69E-03	7.56E-04	8.94E-04	1.65E-03	7.46E-04	8.82E-04	1.63E-03
4233 480363.09, 3856377.25	0.02327	0.02762	3.54E-03	4.37E-03	3.33E-03	3.41E-03	3.22E-03	9.36E-04	1.11E-03	2.05E-03	9.14E-04	1.08E-03	2.00E-03	9.02E-04	1.07E-03	1.97E-03
4234 480863.09, 3856377.25	0.02838	0.02977	4.31E-03	4.71E-03	4.06E-03	4.16E-03	3.93E-03	1.14E-03	1.20E-03	2.34E-03	1.11E-03	1.17E-03	2.28E-03	1.10E-03	1.15E-03	2.25E-03
4235 481363.09, 3856377.25	0.03711	0.03519	5.64E-03	5.57E-03	5.31E-03	5.44E-03	5.13E-03	1.49E-03	1.42E-03	2.91E-03	1.46E-03	1.38E-03	2.84E-03	1.44E-03	1.36E-03	2.80E-03
4236 481863.09, 3856377.25	0.05033	0.03981	7.65E-03	6.30E-03	7.21E-03	7.38E-03	6.96E-03	2.03E-03	1.60E-03	3.63E-03	1.98E-03	1.56E-03	3.54E-03	1.95E-03	1.54E-03	3.49E-03
4237 482363.09, 3856377.25	0.05813	0.04023	8.83E-03	6.37E-03	8.32E-03	8.52E-03	8.04E-03	2.34E-03	1.62E-03	3.96E-03	2.28E-03	1.58E-03	3.86E-03	2.25E-03	1.56E-03	3.81E-03
4238 482863.09, 3856377.25	0.06662	0.04488	1.01E-02	7.11E-03	9.54E-03	9.77E-03	9.21E-03	2.68E-03	1.81E-03	4.49E-03	2.62E-03	1.76E-03	4.38E-03	2.58E-03	1.74E-03	4.32E-03
4239 483363.09, 3856377.25	0.07515	0.04664	1.14E-02	7.38E-03	1.08E-02	1.10E-02	1.04E-02	3.02E-03	1.88E-03	4.90E-03	2.95E-03	1.83E-03	4.78E-03	2.91E-03	1.81E-03	4.72E-03
4240 483863.09, 3856377.25	0.09896	0.05162	1.50E-02	8.17E-03	1.42E-02	1.45E-02	1.37E-02	3.98E-03	2.08E-03	6.06E-03	3.89E-03	2.03E-03	5.91E-03	3.83E-03	2.00E-03	5.83E-03
4241 484363.09, 3856377.25	0.15922	0.06126	2.42E-02	9.70E-03	2.28E-02	2.33E-02	2.20E-02	6.41E-03	2.47E-03	8.87E-03	6.25E-03	2.41E-03	8.66E-03	6.17E-03	2.37E-03	8.54E-03
4242 484863.09, 3856377.25	0.82318	0.07387	1.25E-01	1.17E-02	1.18E-01	1.21E-01	1.14E-01	3.31E-02	2.97E-03	3.61E-02	3.23E-02	2.90E-03	3.52E-02	3.19E-02	2.86E-03	3.48E-02
4243 485363.09, 3856377.25	0.20492	0.09786	3.11E-02	1.55E-02	2.93E-02	3.00E-02	2.83E-02	8.25E-03	3.94E-03	1.22E-02	8.05E-03	3.84E-03	1.19E-02	7.94E-03	3.79E-03	1.17E-02
4244 485863.09, 3856377.25	0.10683	0.1999	1.62E-02	3.17E-02	1.53E-02	1.57E-02	1.48E-02	4.30E-03	8.04E-03	1.23E-02	4.20E-03	7.85E-03	1.20E-02	4.14E-03	7.75E-03	1.19E-02
4245 486363.09, 3856377.25	0.05984	0.33785	9.09E-03	5.35E-02	8.57E-03	8.77E-03	8.28E-03	2.41E-03	1.36E-02	1.60E-02	2.35E-03	1.33E-02	1.56E-02	2.32E-03	1.31E-02	1.54E-02
4246 486863.09, 3856377.25	0.05353	0.15776	8.13E-03	2.50E-02	7.66E-03	7.85E-03	7.40E-03	2.15E-03	6.35E-03	8.50E-03	2.10E-03	6.20E-03	8.30E-03	2.07E-03	6.11E-03	8.19E-03
4247 487363.09, 3856377.25	0.05166	0.11418	7.85E-03	1.81E-02	7.40E-03	7.57E-03	7.14E-03	2.08E-03	4.59E-03	6.67E-03	2.03E-03	4.48E-03	6.51E-03	2.00E-03	4.42E-03	6.43E-03
4248 487863.09, 3856377.25	0.05258	0.0908	7.99E-03	1.44E-02	7.53E-03	7.71E-03	7.27E-03	2.12E-03	3.65E-03	5.77E-03	2.06E-03	3.57E-03	5.63E-03	2.04E-03	3.52E-03	5.56E-03
4249 488363.09, 3856377.25	0.05056	0.07823	7.68E-03	1.24E-02	7.24E-03	7.41E-03	6.99E-03	2.03E-03	3.15E-03	5.18E-03	1.99E-03	3.07E-03	5.06E-03	1.96E-03	3.03E-03	4.99E-03
4250 488863.09, 3856377.25	0.04844	0.06872	7.36E-03	1.09E-02	6.93E-03	7.10E-03	6.70E-03	1.95E-03	2.77E-03	4.71E-03	1.90E-03	2.70E-03	4.60E-03	1.88E-03	2.66E-03	4.54E-03
4251 489363.09, 3856377.25	0.04588	0.06058	6.97E-03	9.59E-03	6.57E-03	6.73E-03	6.35E-03	1.85E-03	2.44E-03	4.28E-03	1.80E-03	2.38E-03	4.18E-03	1.78E-03	2.35E-03	4.13E-03
4252 489863.09, 3856377.25	0.04254	0.05361	6.46E-03	8.49E-03	6.09E-03	6.24E-03	5.88E-03	1.71E-03	2.16E-03	3.87E-03	1.67E-03	2.11E-03	3.78E-03	1.65E-03	2.08E-03	3.73E-03
4253 490363.09, 3856377.25	0.04018	0.04924	6.11E-03	7.80E-03	5.75E-03	5.89E-03	5.56E-03	1.62E-03	1.98E-03	3.60E-03	1.58E-03	1.93E-03	3.51E-03	1.56E-03	1.91E-03	3.46E-03
4254 490863.09, 3856377.25	0.03693	0.04497	5.61E-03	7.12E-03	5.29E-03	5.41E-03	5.11E-03	1.49E-03	1.81E-03	3.30E-03	1.45E-03	1.77E-03	3.22E-03	1.43E-03	1.74E-03	3.17E-03
4255 491363.09, 3856377.25	0.03408	0.04259	5.18E-03	6.74E-03	4.88E-03	5.00E-03	4.71E-03	1.37E-03	1.71E-03	3.09E-03	1.34E-03	1.67E-03	3.01E-03	1.32E-03	1.65E-03	2.97E-03
4256 491863.09, 3856377.25	0.03166	0.03952	4.81E-03	6.26E-03	4.53E-03	4.64E-03	4.38E-03	1.27E-03	1.59E-03	2.86E-03	1.24E-03	1.55E-03	2.80E-03	1.23E-03	1.53E-03	2.76E-03
4257 492363.09, 3856377.25	0.02761	0.03612	4.20E-03	5.72E-03	3.95E-03	4.05E-03	3.82E-03	1.11E-03	1.45E-03	2.56E-03	1.08E-03	1.42E-03	2.50E-03	1.07E-03	1.40E-03	2.47E-03
4258 492863.09, 3856377.25	0.02181	0.0296	3.31E-03	4.69E-03	3.12E-03	3.20E-03	3.02E-03	8.78E-04	1.19E-03	2.07E-03	8.56E-04	1.16E-03	2.02E-03	8.45E-04	1.15E-03	1.99E-03
4259 493363.09, 3856377.25	0.01583	0.01871	2.41E-03	2.96E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	7.53E-04	1.39E-03	6.22E-04	7.35E-04	1.36E-03	6.13E-04	7.25E-04	1.34E-03
4260 493863.09, 3856377.25	0.01379	0.01597	2.10E-03	2.53E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	6.43E-04	1.20E-03	5.42E-04	6.27E-04	1.17E-03	5.34E-04	6.19E-04	1.15E-03
4261 494363.09, 3856377.25	0.01166	0.01282	1.77E-03	2.03E-03	1.67E-03	1.71E-03	1.61E-03	4.69E-04	5.16E-04	9.85E-04	4.58E-04	5.03E-04	9.61E-04	4.52E-04	4.97E-04	9.49E-04
4262 494863.09, 3856377.25	0.0095	0.01007	1.44E-03	1.59E-03	1.36E-03	1.39E-03	1.31E-03	3.82E-04	4.05E-04	7.88E-04	3.73E-04	3.95E-04	7.69E-04	3.68E-04	3.90E-04	7.58E-04
4263 495363.09, 3856377.25	0.00883	0.00886	1.34E-03	1.40E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.57E-04	7.12E-04	3.47E-04	3.48E-04	6.95E-04	3.42E-04	3.43E-04	6.85E-04
4264 495863.09, 3856377.25	0.00867	0.00875	1.32E-03	1.39E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.52E-04	7.01E-04	3.40E-04	3.44E-04	6.84E-04	3.36E-04	3.39E-04	6.75E-04
4265 496363.09, 3856377.25	0.00867	0.0089	1.32E-03	1.41E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.58E-04	7.07E-04	3.40E-04	3.50E-04	6.90E-04	3.36E-04	3.45E-04	6.81E-04
4266 496863.09, 3856377.25	0.00911	0.00921	1.38E-03	1.46E-03	1.30E-03	1.34E-03	1.26E-03	3.67E-04	3.71E-04	7.37E-04	3.58E-04	3.62E-04	7.19E-04	3.53E-04	3.57E-04	7.10E-04
4267 497363.09, 3856377.25	0.00927	0.00966	1.41E-03	1.53E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	3.89E-04	7.62E-04	3.64E-04	3.79E-04	7.43E-04	3.59E-04	3.74E-04	7.34E-04
4268 497863.09, 3856377.25	0.00971	0.01034	1.48E-03	1.64E-03	1.39E-03	1.42E-03	1.34E-03	3.91E-04	4.16E-04	8.07E-04	3.81E-04	4.06E-04	7.87E-04	3.76E-04	4.01E-04	7.77E-04
4269 498363.09, 3856377.25	0.01035	0.01125	1.57E-03	1.78E-03	1.48E-03	1.52E-03	1.43E-03	4.17E-04	4.53E-04	8.69E-04	4.06E-04	4.42E-04	8.48E-04	4.01E-04	4.36E-04	8.37E-04
4270 471363.09, 3856877.25	0.01335	0.01393	2.03E-03	2.21E-03	1.91E-03	1.96E-03	1.85E-03	5.37E-04	5.61E-04	1.10E-03	5.24E-04	5.47E-04	1.07E-03	5.17E-04	5.40E-04	1.06E-03
4271 471863.09, 3856877.25	0.01336	0.01385	2.03E-03	2.19E-03	1.91E-03	1.96E-03	1.85E-03	5.38E-04	5.57E-04	1.10E-03	5.25E-04	5.44E-04	1.07E-03	5.18E-04	5.37E-04	1.05E-03
4272 472363.09, 3856877.25	0.01368	0.01407	2.08E-03	2.23E-03	1.96E-03	2.01E-03	1.89E-03	5.51E-04	5.66E-04	1.12E-03	5.37E-04	5.53E-04	1.09E-03	5.30E-04	5.45E-04	1.08E-03
4273 472863.09, 3856877.25	0.01397	0.01431	2.12E-03	2.27E-03	2.00E-03	2.05E-03	1.93E-03	5.62E-04	5.76E-04	1.14E-03	5.49E-04	5.62E-04	1.11E-03	5.41E-04	5.54E-04	1.10E-03
4274 473363.09, 3856877.25	0.0147	0.01498	2.23E-03	2.37E-03	2.10E-03	2.16E-03	2.03E-03	5.92E-04	6.03E-04	1.19E-03	5.77E-04	5.88E-04	1.17E-03	5.70E-04	5.80E-04	1.15E-03
4275 473863.09, 3856877.25	0.01508	0.01552	2.29E-03	2.46E-03	2.16E-03	2.21E-03	2.09E-03	6.07E-04	6.25E-04	1.23E-03	5.92E-04	6.09E-04	1.20E-03	5.84E-04	6.01E-04	1.19E-03
4276 474363.09, 3856877.25	0.01551	0.01626	2.36E-03	2.57E-03	2.22E-03	2.27E-03	2.15E-03	6.24E-04	6.54E-04	1.28E-03	6.09E-04	6.39E-04	1.25E-03	6.01E-04	6.30E-04	1.23E-03
4277 474863.09, 3856877.25	0.01453	0.01522	2.21E-03	2.41E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	6.13E-04	1.20E-03	5.71E-04	5.98E-04	1.17E-03	5.63E-04	5.90E-04	1.15E-03
4278 475363.09, 3856877.25	0.01271	0.0137	1.93E-03	2.17E-03	1.82E-03	1.86E-03	1.76E-03	5.11E-04	5.51E-04	1.06E-03	4.99E-04	5.38E-04	1.04E-03	4.92E-04	5.31E-04	1.02E-03
4279 475863.09, 3856877.25	0.01243	0.01339	1.89E-03	2.12E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	5.39E-04	1.04E-03	4.88E-04	5.26E-04	1.01E-03	4.82E-04	5.19E-04	1.00E-03
4280 476363.09, 3856877.25	0.01131	0.01217	1.72E-03	1.93E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	4.90E-04	9.45E-04	4.44E-04	4.78E-04	9.22E-04	4.38E-04	4.72E-04	9.10E-04
4281 476863.09, 3856877.25	0.01095	0.012	1.66E-03	1.90E-03	1.57E-03	1.61E-03	1.51E-03	4.41E-04	4.83E-04	9.24E-04	4.30E-04	4.71E-04	9.01E-04	4.24E-04	4.65E-04	8.89E-04
4282 477363.09, 3856877.25	0.01097	0.01128	1.67E-03	1.79E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	4.54E-04	8.95E-04	4.31E-04	4.43E-04	8.74E-04	4.25E-04	4.37E-04	8.62E-04
4283 477863.09, 3856877.25	0.00989	0.00983	1.50E-03	1.56E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	3.96E-04	7.94E-04	3.88E-04	3.86E-04	7.74E-04	3.83E-04	3.81E-04	7.64E-04
4284 478363.09, 3856877.25	0.00958	0.00953	1.46E-03	1.51E-03	1.37E-03	1.40E-03	1.32E-03	3.86E-04	3.84E-04	7.69E-04	3.76E-04	3.74E-04	7.50E-04	3.71E-04	3.69E-04	7.40E-04
4285 478863.09, 3856877.25	0.01122	0.01136	1.70E-03	1.80E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	4.57E-04	9.09E-04	4.41E-04	4.46E-04	8.87E-04	4.35E-04	4.40E-04	8.75E-04
4286 479363.09, 3856877.25	0.01301	0.01344	1.98E-03	2.13E-03	1.86E-03	1.91E-03	1.80E-03	5.24E-04	5.41E-04	1.06E-03	5.11E-04	5.28E-04	1.04E-03	5.04E-04	5.21E-04	1.02E-03

4287 479863.09, 3856877.25	0.01758	0.021	2.67E-03	3.32E-03	2.52E-03	2.58E-03	2.43E-03	7.07E-04	8.45E-04	1.55E-03	6.90E-04	8.25E-04	1.52E-03	6.81E-04	8.14E-04	1.49E-03
4288 480363.09, 3856877.25	0.02296	0.0262	3.49E-03	4.15E-03	3.29E-03	3.37E-03	3.18E-03	9.24E-04	1.05E-03	1.98E-03	9.02E-04	1.03E-03	1.93E-03	8.90E-04	1.02E-03	1.90E-03
4289 480863.09, 3856877.25	0.03031	0.02883	4.61E-03	4.56E-03	4.34E-03	4.44E-03	4.19E-03	1.22E-03	1.16E-03	2.38E-03	1.19E-03	1.13E-03	2.32E-03	1.17E-03	1.12E-03	2.29E-03
4290 481363.09, 3856877.25	0.03612	0.03208	5.49E-03	5.08E-03	5.17E-03	5.30E-03	5.00E-03	1.45E-03	1.29E-03	2.74E-03	1.42E-03	1.26E-03	2.68E-03	1.40E-03	1.24E-03	2.64E-03
4291 481863.09, 3856877.25	0.03957	0.03384	6.01E-03	5.36E-03	5.66E-03	5.80E-03	5.47E-03	1.59E-03	1.36E-03	2.95E-03	1.55E-03	1.33E-03	2.88E-03	1.53E-03	1.31E-03	2.84E-03
4292 482363.09, 3856877.25	0.04605	0.03549	7.00E-03	5.62E-03	6.59E-03	6.75E-03	6.37E-03	1.85E-03	1.43E-03	3.28E-03	1.81E-03	1.39E-03	3.20E-03	1.78E-03	1.38E-03	3.16E-03
4293 482863.09, 3856877.25	0.05615	0.03978	8.53E-03	6.30E-03	8.04E-03	8.23E-03	7.77E-03	2.26E-03	1.60E-03	3.86E-03	2.21E-03	1.56E-03	3.77E-03	2.18E-03	1.54E-03	3.72E-03
4294 483363.09, 3856877.25	0.06285	0.04281	9.55E-03	6.78E-03	9.00E-03	9.22E-03	8.69E-03	2.53E-03	1.72E-03	4.25E-03	2.47E-03	1.68E-03	4.15E-03	2.44E-03	1.66E-03	4.09E-03
4295 483863.09, 3856877.25	0.07286	0.04612	1.11E-02	7.30E-03	1.04E-02	1.07E-02	1.01E-02	2.93E-03	1.86E-03	4.79E-03	2.86E-03	1.81E-03	4.67E-03	2.82E-03	1.79E-03	4.61E-03
4296 484363.09, 3856877.25	0.09763	0.0525	1.48E-02	8.31E-03	1.40E-02	1.43E-02	1.35E-02	3.93E-03	2.11E-03	6.04E-03	3.83E-03	2.06E-03	5.90E-03	3.78E-03	2.03E-03	5.82E-03
4297 484863.09, 3856877.25	0.13996	0.05951	2.13E-02	9.42E-03	2.00E-02	2.05E-02	1.94E-02	5.63E-03	2.39E-03	8.03E-03	5.50E-03	2.34E-03	7.83E-03	5.42E-03	2.31E-03	7.73E-03
4298 485363.09, 3856877.25	0.35865	0.0727	5.45E-02	1.15E-02	5.13E-02	5.26E-02	4.96E-02	1.44E-02	2.93E-03	1.74E-02	1.41E-02	2.85E-03	1.69E-02	1.39E-02	2.82E-03	1.67E-02
4299 485863.09, 3856877.25	0.26402	0.0974	4.01E-02	1.54E-02	3.78E-02	3.87E-02	3.65E-02	1.06E-02	3.92E-03	1.45E-02	1.04E-02	3.82E-03	1.42E-02	1.02E-02	3.77E-03	1.40E-02
4300 486363.09, 3856877.25	0.08056	0.20517	1.22E-02	3.25E-02	1.15E-02	1.18E-02	1.11E-02	3.24E-03	8.26E-03	1.15E-02	3.16E-03	8.06E-03	1.12E-02	3.12E-03	7.95E-03	1.11E-02
4301 486863.09, 3856877.25	0.07086	0.36878	1.08E-02	5.84E-02	1.01E-02	1.04E-02	9.80E-03	2.85E-03	1.48E-02	1.77E-02	2.78E-03	1.45E-02	1.73E-02	2.75E-03	1.43E-02	1.70E-02
4302 487363.09, 3856877.25	0.07003	0.16034	1.06E-02	2.54E-02	1.00E-02	1.03E-02	9.69E-03	2.82E-03	6.45E-03	9.27E-03	2.75E-03	6.30E-03	9.05E-03	2.71E-03	6.21E-03	8.93E-03
4303 487863.09, 3856877.25	0.0669	0.11324	1.02E-02	1.79E-02	9.58E-03	9.81E-03	9.25E-03	2.69E-03	4.56E-03	7.25E-03	2.63E-03	4.45E-03	7.07E-03	2.59E-03	4.39E-03	6.98E-03
4304 488363.09, 3856877.25	0.06435	0.09054	9.78E-03	1.43E-02	9.21E-03	9.44E-03	8.90E-03	2.59E-03	3.64E-03	6.23E-03	2.53E-03	3.56E-03	6.08E-03	2.49E-03	3.51E-03	6.00E-03
4305 488863.09, 3856877.25	0.0608	0.07833	9.24E-03	1.24E-02	8.70E-03	8.91E-03	8.41E-03	2.45E-03	3.15E-03	5.60E-03	2.39E-03	3.08E-03	5.46E-03	2.36E-03	3.04E-03	5.39E-03
4306 489363.09, 3856877.25	0.05819	0.06896	8.84E-03	1.09E-02	8.33E-03	8.53E-03	8.05E-03	2.34E-03	2.78E-03	5.12E-03	2.29E-03	2.71E-03	4.99E-03	2.25E-03	2.67E-03	4.93E-03
4307 489863.09, 3856877.25	0.05173	0.05998	7.86E-03	9.50E-03	7.41E-03	7.59E-03	7.15E-03	2.08E-03	2.41E-03	4.50E-03	2.03E-03	2.36E-03	4.39E-03	2.00E-03	2.32E-03	4.33E-03
4308 490363.09, 3856877.25	0.04683	0.05418	7.12E-03	8.58E-03	6.70E-03	6.87E-03	6.48E-03	1.88E-03	2.18E-03	4.06E-03	1.84E-03	2.13E-03	3.97E-03	1.81E-03	2.10E-03	3.91E-03
4309 490863.09, 3856877.25	0.0415	0.04853	6.31E-03	7.68E-03	5.94E-03	6.09E-03	5.74E-03	1.67E-03	1.95E-03	3.62E-03	1.63E-03	1.91E-03	3.54E-03	1.61E-03	1.88E-03	3.49E-03
4310 491363.09, 3856877.25	0.0383	0.04416	5.82E-03	6.99E-03	5.48E-03	5.62E-03	5.30E-03	1.54E-03	1.78E-03	3.32E-03	1.50E-03	1.73E-03	3.24E-03	1.48E-03	1.71E-03	3.20E-03
4311 491863.09, 3856877.25	0.03407	0.04023	5.18E-03	6.37E-03	4.88E-03	5.00E-03	4.71E-03	1.37E-03	1.62E-03	2.99E-03	1.34E-03	1.58E-03	2.92E-03	1.32E-03	1.56E-03	2.88E-03
4312 492363.09, 3856877.25	0.02401	0.03205	3.65E-03	5.07E-03	3.44E-03	3.52E-03	3.32E-03	9.66E-04	1.29E-03	2.26E-03	9.43E-04	1.26E-03	2.20E-03	9.30E-04	1.24E-03	2.17E-03
4313 492863.09, 3856877.25	0.01958	0.02528	2.98E-03	4.00E-03	2.80E-03	2.87E-03	2.71E-03	7.88E-04	1.02E-03	1.81E-03	7.69E-04	9.93E-04	1.76E-03	7.59E-04	9.80E-04	1.74E-03
4314 493363.09, 3856877.25	0.01578	0.01835	2.40E-03	2.91E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	7.38E-04	1.37E-03	6.20E-04	7.21E-04	1.34E-03	6.11E-04	7.11E-04	1.32E-03
4315 493863.09, 3856877.25	0.01239	0.01391	1.88E-03	2.20E-03	1.77E-03	1.82E-03	1.71E-03	4.99E-04	5.60E-04	1.06E-03	4.87E-04	5.46E-04	1.03E-03	4.80E-04	5.39E-04	1.02E-03
4316 494363.09, 3856877.25	0.01045	0.0111	1.59E-03	1.76E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	4.47E-04	8.67E-04	4.10E-04	4.36E-04	8.46E-04	4.05E-04	4.30E-04	8.35E-04
4317 494863.09, 3856877.25	0.00961	0.01	1.46E-03	1.58E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	4.02E-04	7.89E-04	3.77E-04	3.93E-04	7.70E-04	3.72E-04	3.87E-04	7.60E-04
4318 495363.09, 3856877.25	0.00931	0.00954	1.41E-03	1.51E-03	1.33E-03	1.37E-03	1.29E-03	3.75E-04	3.84E-04	7.59E-04	3.66E-04	3.75E-04	7.40E-04	3.61E-04	3.70E-04	7.30E-04
4319 495863.09, 3856877.25	0.00916	0.00936	1.39E-03	1.48E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	3.77E-04	7.45E-04	3.60E-04	3.68E-04	7.27E-04	3.55E-04	3.63E-04	7.18E-04
4320 496363.09, 3856877.25	0.00926	0.00934	1.41E-03	1.48E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	3.76E-04	7.49E-04	3.64E-04	3.67E-04	7.30E-04	3.59E-04	3.62E-04	7.21E-04
4321 496863.09, 3856877.25	0.00939	0.00951	1.43E-03	1.51E-03	1.34E-03	1.38E-03	1.30E-03	3.78E-04	3.83E-04	7.61E-04	3.69E-04	3.73E-04	7.42E-04	3.64E-04	3.68E-04	7.32E-04
4322 497363.09, 3856877.25	0.00993	0.01013	1.51E-03	1.60E-03	1.42E-03	1.46E-03	1.37E-03	4.00E-04	4.08E-04	8.07E-04	3.90E-04	3.98E-04	7.88E-04	3.85E-04	3.93E-04	7.77E-04
4323 497863.09, 3856877.25	0.01088	0.01138	1.65E-03	1.80E-03	1.56E-03	1.60E-03	1.50E-03	4.38E-04	4.58E-04	8.96E-04	4.27E-04	4.47E-04	8.74E-04	4.22E-04	4.41E-04	8.63E-04
4324 498363.09, 3856877.25	0.01157	0.01262	1.76E-03	2.00E-03	1.66E-03	1.70E-03	1.60E-03	4.66E-04	5.08E-04	9.73E-04	4.54E-04	4.96E-04	9.50E-04	4.48E-04	4.89E-04	9.37E-04
4325 471363.09, 3857377.25	0.01301	0.0138	1.98E-03	2.18E-03	1.86E-03	1.91E-03	1.80E-03	5.24E-04	5.55E-04	1.08E-03	5.11E-04	5.42E-04	1.05E-03	5.04E-04	5.35E-04	1.04E-03
4326 471863.09, 3857377.25	0.01299	0.01398	1.97E-03	2.21E-03	1.86E-03	1.90E-03	1.80E-03	5.23E-04	5.63E-04	1.09E-03	5.10E-04	5.49E-04	1.06E-03	5.03E-04	5.42E-04	1.05E-03
4327 472363.09, 3857377.25	0.01345	0.01437	2.04E-03	2.28E-03	1.93E-03	1.97E-03	1.86E-03	5.41E-04	5.78E-04	1.12E-03	5.28E-04	5.64E-04	1.09E-03	5.21E-04	5.57E-04	1.08E-03
4328 472863.09, 3857377.25	0.0139	0.01457	2.11E-03	2.31E-03	1.99E-03	2.04E-03	1.92E-03	5.59E-04	5.86E-04	1.15E-03	5.46E-04	5.72E-04	1.12E-03	5.39E-04	5.65E-04	1.10E-03
4329 473363.09, 3857377.25	0.01467	0.01507	2.23E-03	2.39E-03	2.10E-03	2.15E-03	2.03E-03	5.90E-04	6.06E-04	1.20E-03	5.76E-04	5.92E-04	1.17E-03	5.68E-04	5.84E-04	1.15E-03
4330 473863.09, 3857377.25	0.01526	0.01588	2.32E-03	2.51E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	6.39E-04	1.25E-03	5.99E-04	6.24E-04	1.22E-03	5.91E-04	6.15E-04	1.21E-03
4331 474363.09, 3857377.25	0.01494	0.01518	2.27E-03	2.40E-03	2.14E-03	2.19E-03	2.07E-03	6.01E-04	6.11E-04	1.21E-03	5.87E-04	5.96E-04	1.18E-03	5.79E-04	5.88E-04	1.17E-03
4332 474863.09, 3857377.25	0.01227	0.0133	1.86E-03	2.11E-03	1.76E-03	1.80E-03	1.70E-03	4.94E-04	5.35E-04	1.03E-03	4.82E-04	5.22E-04	1.00E-03	4.75E-04	5.15E-04	9.91E-04
4333 475363.09, 3857377.25	0.00969	0.01079	1.47E-03	1.71E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	4.34E-04	8.24E-04	3.81E-04	4.24E-04	8.04E-04	3.75E-04	4.18E-04	7.94E-04
4334 475863.09, 3857377.25	0.00931	0.01034	1.41E-03	1.64E-03	1.33E-03	1.37E-03	1.29E-03	3.75E-04	4.16E-04	7.91E-04	3.66E-04	4.06E-04	7.72E-04	3.61E-04	4.01E-04	7.61E-04
4335 476363.09, 3857377.25	0.01049	0.01154	1.59E-03	1.83E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	4.64E-04	8.87E-04	4.12E-04	4.53E-04	8.65E-04	4.06E-04	4.47E-04	8.54E-04
4336 476863.09, 3857377.25	0.01079	0.01177	1.64E-03	1.86E-03	1.54E-03	1.58E-03	1.49E-03	4.34E-04	4.74E-04	9.08E-04	4.24E-04	4.62E-04	8.86E-04	4.18E-04	4.56E-04	8.74E-04
4337 477363.09, 3857377.25	0.01047	0.01122	1.59E-03	1.78E-03	1.50E-03	1.54E-03	1.45E-03	4.21E-04	4.52E-04	8.73E-04	4.11E-04	4.41E-04	8.52E-04	4.06E-04	4.35E-04	8.40E-04
4338 477863.09, 3857377.25	0.00977	0.01002	1.48E-03	1.59E-03	1.40E-03	1.43E-03	1.35E-03	3.93E-04	4.03E-04	7.96E-04	3.84E-04	3.93E-04	7.77E-04	3.79E-04	3.88E-04	7.67E-04
4339 478363.09, 3857377.25	0.00913	0.00914	1.39E-03	1.45E-03	1.31E-03	1.34E-03	1.26E-03	3.67E-04	3.68E-04	7.35E-04	3.59E-04	3.59E-04	7.17E-04	3.54E-04	3.54E-04	7.08E-04
4340 478863.09, 3857377.25	0.00885	0.00873	1.34E-03	1.38E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.51E-04	7.07E-04	3.48E-04	3.43E-04	6.90E-04	3.43E-04	3.38E-04	6.81E-04
4341 479363.09, 3857377.25	0.01129	0.01146	1.72E-03	1.81E-03	1.62E-03	1.66E-03	1.56E-03	4.54E-04	4.61E-04	9.16E-04	4.43E-04	4.50E-04	8.93E-04	4.37E-04	4.44E-04	8.82E-04
4342 479863.09, 3857377.25	0.01494	0.01866	2.27E-03	2.95E-03	2.14E-03	2.19E-03	2.07E-03	6.01E-04	7.51E-04	1.35E-03	5.87E-04	7.33E-04	1.32E-03	5.79E-04	7.23E-04	1.30E-03
4343 480363.09, 3857377.25	0.01504	0.01727	2.29E-03	2.73E-03	2.15E-03	2.21E-03	2.08E-03	6.05E-04	6.95E-04	1.30E-03	5.91E-04	6.78E-04	1.27E-03	5.83E-04	6.69E-04	1.25E-03
4344 480863.09, 3857377.25	0.02769	0.02771	4.21E-03	4.39E-03	3.96E-03	4.06E-03	3.83E-03	1.11E-03	1.12E-03	2.23E-03	1.09E-03	1.09E-03	2.18E-03	1.07E-03	1.07E-03	2.15E-03
4345 481363.09, 3857377.25	0.02896	0.02904	4.40E-03	4.60E-03	4.15E-03	4.25E-03	4.01E-03	1.17E-03	1.17E-03	2.33E-03	1.14E-03	1.14E-03	2.28E-03	1.12E-03	1.13E-03	2.25E-03
4346 481863.09, 3857377.25	0.03297	0.03101	5.01E-03	4.91E-03	4.72E-03	4.83E-03	4.56E-03	1.33E-03	1.25E-03	2.57E-03	1.29E-03	1.22E-03	2.51E-03	1.28E-03	1.20E-03	2.48E-03
4347 482363.09, 3857377.25	0.03992	0.03225	6.07E-03	5.11E-03	5.71E-03	5.85E-03	5.52E-03	1.61E-03	1.30E-03	2.90E-03	1.57E-03	1.27E-03	2.83E-03	1.55E-03	1.25E-03	2.80E-03
4348 482863.09, 3857377.25	0.0459	0.03371	6.97E-03	5.34E-03	6.57E-03	6.73E-03	6.35E-03	1.85E-03	1.36E-03	3.20E-03	1.80E-03	1.32E-03	3.13E-03	1.78E-03	1.31E-03	3.08E-03
4349 483363.09, 3857377.25	0.05017	0.03708	7.62E-03	5.87E-03	7.18E-03	7.36E-03	6.94E-03	2.02E-03	1.49E-03	3.51E-03	1.97E-03	1.46E-03	3.43E-03	1.94E-03	1.44E-03	3.38E-03
4350 483863.09, 3857377.25	0.0625	0.04227	9.50E-03	6.69E-03	8.95E-03	9.16E-03	8.64E-03	2.52E-03	1.70E-03	4.22E-03	2.45E-03	1.66E-03	4.11E-03	2.42E-03	1.64E-03	4.06E-03
4351 484363.09, 3857377.25	0.07293	0.04642	1.11E-02	7.35E-03	1.04E-02	1.07E-02	1.01E-02	2.93E-03	1.87E-03	4.80E-03	2.86E-03	1.82E-03	4.69E-03	2.83E-03	1.80E-03	4.62E-03
4352 484863.09, 3857377.25	0.09157	0.05227	1.39E-02	8.28E-03	1.31E-02	1.34E-02	1.27E-02	3.69E-03	2.10E-03	5.79E-03	3.60E-03	2.05E-03	5.65E-03	3.55E-03	2.03E-03	5.57E-03

4353 485363.09, 3857377.25	0.12429	0.05986	1.89E-02	9.48E-03	1.78E-02	1.82E-02	1.72E-02	5.00E-03	2.41E-03	7.41E-03	4.88E-03	2.35E-03	7.23E-03	4.82E-03	2.32E-03	7.14E-03
4354 485863.09, 3857377.25	0.22244	0.06976	3.38E-02	1.10E-02	3.18E-02	3.26E-02	3.08E-02	8.95E-03	2.81E-03	1.18E-02	8.74E-03	2.74E-03	1.15E-02	8.62E-03	2.70E-03	1.13E-02
4355 486363.09, 3857377.25	0.31634	0.10019	4.81E-02	1.59E-02	4.53E-02	4.64E-02	4.38E-02	1.27E-02	4.03E-03	1.68E-02	1.24E-02	3.93E-03	1.64E-02	1.23E-02	3.88E-03	1.61E-02
4356 486863.09, 3857377.25	0.10286	0.19395	1.56E-02	3.07E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	7.81E-03	1.19E-02	4.04E-03	7.62E-03	1.17E-02	3.99E-03	7.52E-03	1.15E-02
4357 487363.09, 3857377.25	0.09656	0.41682	1.47E-02	6.60E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	1.68E-02	2.07E-02	3.79E-03	1.64E-02	2.02E-02	3.74E-03	1.62E-02	1.99E-02
4358 487863.09, 3857377.25	0.08977	0.16324	1.36E-02	2.58E-02	1.29E-02	1.32E-02	1.24E-02	3.61E-03	6.57E-03	1.02E-02	3.53E-03	6.41E-03	9.94E-03	3.48E-03	6.33E-03	9.80E-03
4359 488363.09, 3857377.25	0.0831	0.11374	1.26E-02	1.80E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	4.58E-03	7.92E-03	3.26E-03	4.47E-03	7.73E-03	3.22E-03	4.41E-03	7.63E-03
4360 488863.09, 3857377.25	0.07706	0.09192	1.17E-02	1.46E-02	1.10E-02	1.13E-02	1.07E-02	3.10E-03	3.70E-03	6.80E-03	3.03E-03	3.61E-03	6.64E-03	2.99E-03	3.56E-03	6.55E-03
4361 489363.09, 3857377.25	0.0705	0.07755	1.07E-02	1.23E-02	1.01E-02	1.03E-02	9.75E-03	2.84E-03	3.12E-03	5.96E-03	2.77E-03	3.05E-03	5.81E-03	2.73E-03	3.00E-03	5.74E-03
4362 489863.09, 3857377.25	0.06256	0.06773	9.51E-03	1.07E-02	8.96E-03	9.17E-03	8.65E-03	2.52E-03	2.73E-03	5.24E-03	2.46E-03	2.66E-03	5.12E-03	2.42E-03	2.62E-03	5.05E-03
4363 490363.09, 3857377.25	0.05571	0.05949	8.47E-03	9.42E-03	7.98E-03	8.17E-03	7.71E-03	2.24E-03	2.39E-03	4.64E-03	2.19E-03	2.34E-03	4.52E-03	2.16E-03	2.31E-03	4.46E-03
4364 490863.09, 3857377.25	0.04963	0.05291	7.54E-03	8.38E-03	7.11E-03	7.28E-03	6.86E-03	2.00E-03	2.13E-03	4.13E-03	1.95E-03	2.08E-03	4.03E-03	1.92E-03	2.05E-03	3.97E-03
4365 491363.09, 3857377.25	0.04434	0.04753	6.74E-03	7.53E-03	6.35E-03	6.50E-03	6.13E-03	1.78E-03	1.91E-03	3.70E-03	1.74E-03	1.87E-03	3.61E-03	1.72E-03	1.84E-03	3.56E-03
4366 491863.09, 3857377.25	0.0366	0.03971	5.56E-03	6.29E-03	5.24E-03	5.37E-03	5.06E-03	1.47E-03	1.60E-03	3.07E-03	1.44E-03	1.56E-03	3.00E-03	1.42E-03	1.54E-03	2.96E-03
4367 492363.09, 3857377.25	0.02352	0.0286	3.57E-03	4.53E-03	3.37E-03	3.45E-03	3.25E-03	9.47E-04	1.15E-03	2.10E-03	9.24E-04	1.12E-03	2.05E-03	9.11E-04	1.11E-03	2.02E-03
4368 492863.09, 3857377.25	0.01762	0.01956	2.68E-03	3.10E-03	2.52E-03	2.58E-03	2.44E-03	7.09E-04	7.87E-04	1.50E-03	6.92E-04	7.68E-04	1.46E-03	6.83E-04	7.58E-04	1.44E-03
4369 493363.09, 3857377.25	0.01403	0.01483	2.13E-03	2.35E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.97E-04	1.16E-03	5.51E-04	5.82E-04	1.13E-03	5.44E-04	5.75E-04	1.12E-03
4370 493863.09, 3857377.25	0.01252	0.01308	1.90E-03	2.07E-03	1.79E-03	1.84E-03	1.73E-03	5.04E-04	5.26E-04	1.03E-03	4.92E-04	5.14E-04	1.01E-03	4.85E-04	5.07E-04	9.92E-04
4371 494363.09, 3857377.25	0.01139	0.01186	1.73E-03	1.88E-03	1.63E-03	1.67E-03	1.58E-03	4.58E-04	4.77E-04	9.36E-04	4.47E-04	4.66E-04	9.13E-04	4.41E-04	4.60E-04	9.01E-04
4372 494863.09, 3857377.25	0.01075	0.01116	1.63E-03	1.77E-03	1.54E-03	1.58E-03	1.49E-03	4.33E-04	4.49E-04	8.82E-04	4.22E-04	4.38E-04	8.60E-04	4.17E-04	4.32E-04	8.49E-04
4373 495363.09, 3857377.25	0.01045	0.01064	1.59E-03	1.68E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	4.28E-04	8.49E-04	4.10E-04	4.18E-04	8.28E-04	4.05E-04	4.12E-04	8.17E-04
4374 495863.09, 3857377.25	0.01037	0.01078	1.58E-03	1.71E-03	1.48E-03	1.52E-03	1.43E-03	4.17E-04	4.34E-04	8.51E-04	4.07E-04	4.23E-04	8.31E-04	4.02E-04	4.18E-04	8.20E-04
4375 496363.09, 3857377.25	0.0107	0.01097	1.63E-03	1.74E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	4.41E-04	8.72E-04	4.20E-04	4.31E-04	8.51E-04	4.15E-04	4.25E-04	8.40E-04
4376 496863.09, 3857377.25	0.01083	0.01105	1.65E-03	1.75E-03	1.55E-03	1.59E-03	1.50E-03	4.36E-04	4.45E-04	8.81E-04	4.25E-04	4.34E-04	8.59E-04	4.20E-04	4.28E-04	8.48E-04
4377 497363.09, 3857377.25	0.01143	0.01163	1.74E-03	1.84E-03	1.64E-03	1.68E-03	1.58E-03	4.60E-04	4.68E-04	9.28E-04	4.49E-04	4.57E-04	9.06E-04	4.43E-04	4.51E-04	8.94E-04
4378 497863.09, 3857377.25	0.01143	0.01205	1.74E-03	1.91E-03	1.64E-03	1.68E-03	1.58E-03	4.60E-04	4.85E-04	9.45E-04	4.49E-04	4.73E-04	9.22E-04	4.43E-04	4.67E-04	9.10E-04
4379 498363.09, 3857377.25	0.01329	0.01469	2.02E-03	2.33E-03	1.90E-03	1.95E-03	1.84E-03	5.35E-04	5.91E-04	1.13E-03	5.22E-04	5.77E-04	1.10E-03	5.15E-04	5.69E-04	1.08E-03
4380 471363.09, 3857877.25	0.01277	0.01349	1.94E-03	2.14E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	5.43E-04	1.06E-03	5.01E-04	5.30E-04	1.03E-03	4.95E-04	5.23E-04	1.02E-03
4381 471863.09, 3857877.25	0.01293	0.01356	1.96E-03	2.15E-03	1.85E-03	1.90E-03	1.79E-03	5.20E-04	5.46E-04	1.07E-03	5.08E-04	5.32E-04	1.04E-03	5.01E-04	5.25E-04	1.03E-03
4382 472363.09, 3857877.25	0.01345	0.01375	2.04E-03	2.18E-03	1.93E-03	1.97E-03	1.86E-03	5.41E-04	5.53E-04	1.09E-03	5.28E-04	5.40E-04	1.07E-03	5.21E-04	5.33E-04	1.05E-03
4383 472863.09, 3857877.25	0.01424	0.01428	2.16E-03	2.26E-03	2.04E-03	2.09E-03	1.97E-03	5.73E-04	5.75E-04	1.15E-03	5.59E-04	5.61E-04	1.12E-03	5.52E-04	5.53E-04	1.11E-03
4384 473363.09, 3857877.25	0.01447	0.0151	2.20E-03	2.39E-03	2.07E-03	2.12E-03	2.00E-03	5.82E-04	6.08E-04	1.19E-03	5.68E-04	5.93E-04	1.16E-03	5.61E-04	5.85E-04	1.15E-03
4385 473863.09, 3857877.25	0.01486	0.01569	2.26E-03	2.48E-03	2.13E-03	2.18E-03	2.06E-03	5.98E-04	6.31E-04	1.23E-03	5.84E-04	6.16E-04	1.20E-03	5.76E-04	6.08E-04	1.18E-03
4386 474363.09, 3857877.25	0.01455	0.01502	2.21E-03	2.38E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	6.04E-04	1.19E-03	5.71E-04	5.90E-04	1.16E-03	5.64E-04	5.82E-04	1.15E-03
4387 474863.09, 3857877.25	0.01187	0.01222	1.80E-03	1.93E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.92E-04	9.69E-04	4.66E-04	4.80E-04	9.46E-04	4.60E-04	4.74E-04	9.33E-04
4388 475363.09, 3857877.25	0.00856	0.00895	1.30E-03	1.42E-03	1.23E-03	1.26E-03	1.18E-03	3.44E-04	3.60E-04	7.05E-04	3.36E-04	3.51E-04	6.88E-04	3.32E-04	3.47E-04	6.78E-04
4389 475863.09, 3857877.25	0.00651	0.00652	9.89E-04	1.03E-03	9.32E-04	9.55E-04	9.00E-04	2.62E-04	2.62E-04	5.24E-04	2.56E-04	2.56E-04	5.12E-04	2.52E-04	2.53E-04	5.05E-04
4390 476363.09, 3857877.25	0.00899	0.00963	1.37E-03	1.52E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	3.88E-04	7.49E-04	3.53E-04	3.78E-04	7.31E-04	3.48E-04	3.73E-04	7.21E-04
4391 476863.09, 3857877.25	0.00967	0.01092	1.47E-03	1.73E-03	1.38E-03	1.42E-03	1.34E-03	3.89E-04	4.39E-04	8.29E-04	3.80E-04	4.29E-04	8.09E-04	3.75E-04	4.23E-04	7.98E-04
4392 477363.09, 3857877.25	0.00987	0.01071	1.50E-03	1.70E-03	1.41E-03	1.45E-03	1.37E-03	3.97E-04	4.31E-04	8.28E-04	3.88E-04	4.21E-04	8.08E-04	3.82E-04	4.15E-04	7.97E-04
4393 477863.09, 3857877.25	0.01012	0.01066	1.54E-03	1.69E-03	1.45E-03	1.48E-03	1.40E-03	4.07E-04	4.29E-04	8.36E-04	3.97E-04	4.19E-04	8.16E-04	3.92E-04	4.13E-04	8.05E-04
4394 478363.09, 3857877.25	0.00868	0.00863	1.32E-03	1.37E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.47E-04	6.97E-04	3.41E-04	3.39E-04	6.80E-04	3.36E-04	3.34E-04	6.71E-04
4395 478863.09, 3857877.25	0.00774	0.00764	1.18E-03	1.21E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.07E-04	6.19E-04	3.04E-04	3.00E-04	6.04E-04	3.00E-04	2.96E-04	5.96E-04
4396 479363.09, 3857877.25	0.01432	0.01549	2.18E-03	2.45E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	6.23E-04	1.20E-03	5.62E-04	6.08E-04	1.17E-03	5.55E-04	6.00E-04	1.16E-03
4397 479863.09, 3857877.25	0.02058	0.02156	3.13E-03	3.41E-03	2.95E-03	3.02E-03	2.85E-03	8.28E-04	8.68E-04	1.70E-03	8.08E-04	8.47E-04	1.65E-03	7.97E-04	8.35E-04	1.63E-03
4398 480363.09, 3857877.25	0.02403	0.0244	3.65E-03	3.86E-03	3.44E-03	3.52E-03	3.32E-03	9.67E-04	9.82E-04	1.95E-03	9.44E-04	9.58E-04	1.90E-03	9.31E-04	9.45E-04	1.88E-03
4399 480863.09, 3857877.25	0.02582	0.02579	3.92E-03	4.08E-03	3.70E-03	3.79E-03	3.57E-03	1.04E-03	1.04E-03	2.08E-03	1.01E-03	1.01E-03	2.03E-03	1.00E-03	9.99E-04	2.00E-03
4400 481363.09, 3857877.25	0.02648	0.02715	4.02E-03	4.30E-03	3.79E-03	3.88E-03	3.66E-03	1.07E-03	1.09E-03	2.16E-03	1.04E-03	1.07E-03	2.11E-03	1.03E-03	1.05E-03	2.08E-03
4401 481863.09, 3857877.25	0.0296	0.0286	4.50E-03	4.53E-03	4.24E-03	4.34E-03	4.09E-03	1.19E-03	1.15E-03	2.34E-03	1.16E-03	1.12E-03	2.29E-03	1.15E-03	1.11E-03	2.26E-03
4402 482363.09, 3857877.25	0.03542	0.0309	5.38E-03	4.89E-03	5.07E-03	5.19E-03	4.90E-03	1.43E-03	1.24E-03	2.67E-03	1.39E-03	1.21E-03	2.60E-03	1.37E-03	1.20E-03	2.57E-03
4403 482863.09, 3857877.25	0.04147	0.03164	6.30E-03	5.01E-03	5.94E-03	6.08E-03	5.74E-03	1.67E-03	1.27E-03	2.94E-03	1.63E-03	1.24E-03	2.87E-03	1.61E-03	1.23E-03	2.83E-03
4404 483363.09, 3857877.25	0.0443	0.03309	6.73E-03	5.24E-03	6.34E-03	6.50E-03	6.13E-03	1.78E-03	1.33E-03	3.11E-03	1.74E-03	1.30E-03	3.04E-03	1.72E-03	1.28E-03	3.00E-03
4405 483863.09, 3857877.25	0.0516	0.03805	7.84E-03	6.02E-03	7.39E-03	7.57E-03	7.14E-03	2.08E-03	1.53E-03	3.61E-03	2.03E-03	1.49E-03	3.52E-03	2.00E-03	1.47E-03	3.47E-03
4406 484363.09, 3857877.25	0.05535	0.03863	8.41E-03	6.12E-03	7.92E-03	8.12E-03	7.66E-03	2.23E-03	1.55E-03	3.78E-03	2.17E-03	1.52E-03	3.69E-03	2.14E-03	1.50E-03	3.64E-03
4407 484863.09, 3857877.25	0.07138	0.04675	1.08E-02	7.40E-03	1.02E-02	1.05E-02	9.87E-03	2.87E-03	1.88E-03	4.75E-03	2.80E-03	1.84E-03	4.64E-03	2.77E-03	1.81E-03	4.58E-03
4408 485363.09, 3857877.25	0.08723	0.05132	1.33E-02	8.13E-03	1.25E-02	1.28E-02	1.21E-02	3.51E-03	2.07E-03	5.58E-03	3.43E-03	2.02E-03	5.44E-03	3.38E-03	1.99E-03	5.37E-03
4409 485863.09, 3857877.25	0.11521	0.05862	1.75E-02	9.28E-03	1.65E-02	1.69E-02	1.59E-02	4.64E-03	2.36E-03	7.00E-03	4.52E-03	2.30E-03	6.83E-03	4.46E-03	2.27E-03	6.74E-03
4410 486363.09, 3857877.25	0.17221	0.07029	2.62E-02	1.11E-02	2.47E-02	2.53E-02	2.38E-02	6.93E-03	2.83E-03	9.76E-03	6.76E-03	2.76E-03	9.52E-03	6.67E-03	2.72E-03	9.40E-03
4411 486863.09, 3857877.25	0.7566	0.0972	1.15E-01	1.54E-02	1.08E-01	1.11E-01	1.05E-01	3.04E-02	3.91E-03	3.44E-02	2.97E-02	3.82E-03	3.35E-02	2.93E-02	3.77E-03	3.31E-02
4412 487363.09, 3857877.25	0.25141	0.17322	3.82E-02	2.74E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	6.97E-03	1.71E-02	9.87E-03	6.80E-03	1.67E-02	9.74E-03	6.71E-03	1.65E-02
4413 487863.09, 3857877.25	0.14668	0.47053	2.23E-02	7.45E-02	2.10E-02	2.15E-02	2.03E-02	5.90E-03	1.89E-02	2.48E-02	5.76E-03	1.85E-02	2.42E-02	5.68E-03	1.82E-02	2.39E-02
4414 488363.09, 3857877.25	0.11937	0.17026	1.81E-02	2.70E-02	1.71E-02	1.75E-02	1.65E-02	4.80E-03	6.85E-03	1.17E-02	4.69E-03	6.69E-03	1.14E-02	4.63E-03	6.60E-03	1.12E-02
4415 488863.09, 3857877.25	0.10462	0.11929	1.59E-02	1.89E-02	1.50E-02	1.53E-02	1.45E-02	4.21E-03	4.80E-03	9.01E-03	4.11E-03	4.68E-03	8.79E-03	4.05E-03	4.62E-03	8.68E-03
4416 489363.09, 3857877.25	0.08871	0.09343	1.35E-02	1.48E-02	1.27E-02	1.30E-02	1.23E-02	3.57E-03	3.76E-03	7.33E-03	3.48E-03	3.67E-03	7.15E-03	3.44E-03	3.62E-03	7.06E-03
4417 489863.09, 3857877.25	0.07567	0.07744	1.15E-02	1.23E-02	1.08E-02	1.11E-02	1.05E-02	3.05E-03	3.12E-03	6.16E-03	2.97E-03	3.04E-03	6.01E-03	2.93E-03	3.00E-03	5.93E-03
4418 490363.09, 3857877.25	0.06782	0.06631	1.03E-02	1.05E-02	9.71E-03	9.94E-03	9.38E-03	2.73E-03	2.67E-03	5.40E-03	2.66E-03	2.60E-03	5.27E-03	2.63E-03	2.57E-03	5.20E-03

4419 490863.09, 3857877.25	0.06135	0.05921	9.32E-03	9.37E-03	8.78E-03	9.00E-03	8.49E-03	2.47E-03	2.38E-03	4.85E-03	2.41E-03	2.33E-03	4.73E-03	2.38E-03	2.29E-03	4.67E-03
4420 491363.09, 3857877.25	0.04771	0.0485	7.25E-03	7.68E-03	6.83E-03	7.00E-03	6.60E-03	1.92E-03	1.95E-03	3.87E-03	1.87E-03	1.90E-03	3.78E-03	1.85E-03	1.88E-03	3.73E-03
4421 491863.09, 3857877.25	0.03506	0.03814	5.33E-03	6.04E-03	5.02E-03	5.14E-03	4.85E-03	1.41E-03	1.53E-03	2.95E-03	1.38E-03	1.50E-03	2.87E-03	1.36E-03	1.48E-03	2.84E-03
4422 492363.09, 3857877.25	0.02283	0.02683	3.47E-03	4.25E-03	3.27E-03	3.35E-03	3.16E-03	9.19E-04	1.08E-03	2.00E-03	8.97E-04	1.05E-03	1.95E-03	8.85E-04	1.04E-03	1.92E-03
4423 492863.09, 3857877.25	0.01669	0.01832	2.54E-03	2.90E-03	2.39E-03	2.45E-03	2.31E-03	6.72E-04	7.37E-04	1.41E-03	6.55E-04	7.19E-04	1.37E-03	6.47E-04	7.10E-04	1.36E-03
4424 493363.09, 3857877.25	0.01508	0.01568	2.29E-03	2.48E-03	2.16E-03	2.21E-03	2.09E-03	6.07E-04	6.31E-04	1.24E-03	5.92E-04	6.16E-04	1.21E-03	5.84E-04	6.08E-04	1.19E-03
4425 493863.09, 3857877.25	0.01406	0.01426	2.14E-03	2.26E-03	2.01E-03	2.06E-03	1.94E-03	5.66E-04	5.74E-04	1.14E-03	5.52E-04	5.60E-04	1.11E-03	5.45E-04	5.53E-04	1.10E-03
4426 494363.09, 3857877.25	0.01324	0.01344	2.01E-03	2.13E-03	1.90E-03	1.94E-03	1.83E-03	5.33E-04	5.41E-04	1.07E-03	5.20E-04	5.28E-04	1.05E-03	5.13E-04	5.21E-04	1.03E-03
4427 494863.09, 3857877.25	0.01245	0.01249	1.89E-03	1.98E-03	1.78E-03	1.83E-03	1.72E-03	5.01E-04	5.03E-04	1.00E-03	4.89E-04	4.90E-04	9.79E-04	4.82E-04	4.84E-04	9.66E-04
4428 495363.09, 3857877.25	0.01205	0.01216	1.83E-03	1.93E-03	1.73E-03	1.77E-03	1.67E-03	4.85E-04	4.89E-04	9.74E-04	4.73E-04	4.78E-04	9.51E-04	4.67E-04	4.71E-04	9.38E-04
4429 495863.09, 3857877.25	0.01172	0.01178	1.78E-03	1.87E-03	1.68E-03	1.72E-03	1.62E-03	4.72E-04	4.74E-04	9.46E-04	4.60E-04	4.63E-04	9.23E-04	4.54E-04	4.56E-04	9.11E-04
4430 496363.09, 3857877.25	0.01193	0.01221	1.81E-03	1.93E-03	1.71E-03	1.75E-03	1.65E-03	4.80E-04	4.91E-04	9.71E-04	4.68E-04	4.79E-04	9.48E-04	4.62E-04	4.73E-04	9.35E-04
4431 496863.09, 3857877.25	0.01185	0.01236	1.80E-03	1.96E-03	1.70E-03	1.74E-03	1.64E-03	4.77E-04	4.97E-04	9.74E-04	4.65E-04	4.85E-04	9.51E-04	4.59E-04	4.79E-04	9.38E-04
4432 497363.09, 3857877.25	0.01244	0.01271	1.89E-03	2.01E-03	1.78E-03	1.82E-03	1.72E-03	5.01E-04	5.11E-04	1.01E-03	4.89E-04	4.99E-04	9.88E-04	4.82E-04	4.92E-04	9.75E-04
4433 497863.09, 3857877.25	0.01345	0.01438	2.04E-03	2.28E-03	1.93E-03	1.97E-03	1.86E-03	5.41E-04	5.79E-04	1.12E-03	5.28E-04	5.65E-04	1.09E-03	5.21E-04	5.57E-04	1.08E-03
4434 498363.09, 3857877.25	0.01456	0.0158	2.21E-03	2.50E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	6.36E-04	1.22E-03	5.72E-04	6.20E-04	1.19E-03	5.64E-04	6.12E-04	1.18E-03
4435 471363.09, 3858377.25	0.01231	0.01314	1.87E-03	2.08E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	5.29E-04	1.02E-03	4.83E-04	5.16E-04	9.99E-04	4.77E-04	5.09E-04	9.86E-04
4436 471863.09, 3858377.25	0.01257	0.01326	1.91E-03	2.10E-03	1.80E-03	1.84E-03	1.74E-03	5.06E-04	5.34E-04	1.04E-03	4.94E-04	5.21E-04	1.01E-03	4.87E-04	5.14E-04	1.00E-03
4437 472363.09, 3858377.25	0.01282	0.01352	1.95E-03	2.14E-03	1.84E-03	1.88E-03	1.77E-03	5.16E-04	5.44E-04	1.06E-03	5.03E-04	5.31E-04	1.03E-03	4.97E-04	5.24E-04	1.02E-03
4438 472863.09, 3858377.25	0.01313	0.01407	2.00E-03	2.23E-03	1.88E-03	1.93E-03	1.82E-03	5.28E-04	5.66E-04	1.09E-03	5.16E-04	5.53E-04	1.07E-03	5.09E-04	5.45E-04	1.05E-03
4439 473363.09, 3858377.25	0.01397	0.01477	2.12E-03	2.34E-03	2.00E-03	2.05E-03	1.93E-03	5.62E-04	5.94E-04	1.16E-03	5.49E-04	5.80E-04	1.13E-03	5.41E-04	5.72E-04	1.11E-03
4440 473863.09, 3858377.25	0.01373	0.01474	2.09E-03	2.33E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	5.93E-04	1.15E-03	5.39E-04	5.79E-04	1.12E-03	5.32E-04	5.71E-04	1.10E-03
4441 474363.09, 3858377.25	0.01308	0.01428	1.99E-03	2.26E-03	1.87E-03	1.92E-03	1.81E-03	5.26E-04	5.75E-04	1.10E-03	5.14E-04	5.61E-04	1.07E-03	5.07E-04	5.53E-04	1.06E-03
4442 474863.09, 3858377.25	0.01159	0.01238	1.76E-03	1.96E-03	1.66E-03	1.70E-03	1.60E-03	4.66E-04	4.98E-04	9.65E-04	4.55E-04	4.86E-04	9.41E-04	4.49E-04	4.80E-04	9.29E-04
4443 475363.09, 3858377.25	0.00902	0.00979	1.37E-03	1.55E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	3.94E-04	7.57E-04	3.54E-04	3.84E-04	7.39E-04	3.50E-04	3.79E-04	7.29E-04
4444 475863.09, 3858377.25	0.00823	0.00842	1.25E-03	1.33E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.39E-04	6.70E-04	3.23E-04	3.31E-04	6.54E-04	3.19E-04	3.26E-04	6.45E-04
4445 476363.09, 3858377.25	0.00845	0.0088	1.28E-03	1.39E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	3.54E-04	6.94E-04	3.32E-04	3.46E-04	6.77E-04	3.27E-04	3.41E-04	6.68E-04
4446 476863.09, 3858377.25	0.00869	0.00924	1.32E-03	1.46E-03	1.24E-03	1.27E-03	1.20E-03	3.50E-04	3.72E-04	7.22E-04	3.41E-04	3.63E-04	7.04E-04	3.37E-04	3.58E-04	6.95E-04
4447 477363.09, 3858377.25	0.00881	0.00908	1.34E-03	1.44E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.65E-04	7.20E-04	3.46E-04	3.57E-04	7.03E-04	3.41E-04	3.52E-04	6.93E-04
4448 477863.09, 3858377.25	0.00985	0.01072	1.50E-03	1.70E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	4.31E-04	8.28E-04	3.87E-04	4.21E-04	8.08E-04	3.82E-04	4.15E-04	7.97E-04
4449 478363.09, 3858377.25	0.0104	0.01108	1.58E-03	1.75E-03	1.49E-03	1.52E-03	1.44E-03	4.19E-04	4.46E-04	8.64E-04	4.08E-04	4.35E-04	8.44E-04	4.03E-04	4.29E-04	8.32E-04
4450 478863.09, 3858377.25	0.00957	0.00954	1.45E-03	1.51E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	3.84E-04	7.69E-04	3.76E-04	3.75E-04	7.50E-04	3.71E-04	3.70E-04	7.40E-04
4451 479363.09, 3858377.25	0.01423	0.01631	2.16E-03	2.58E-03	2.04E-03	2.09E-03	1.97E-03	5.73E-04	6.56E-04	1.23E-03	5.59E-04	6.40E-04	1.20E-03	5.51E-04	6.32E-04	1.18E-03
4452 479863.09, 3858377.25	0.0206	0.02103	3.13E-03	3.33E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	8.46E-04	1.68E-03	8.09E-04	8.26E-04	1.63E-03	7.98E-04	8.15E-04	1.61E-03
4453 480363.09, 3858377.25	0.02343	0.02269	3.56E-03	3.59E-03	3.35E-03	3.44E-03	3.24E-03	9.43E-04	9.13E-04	1.86E-03	9.20E-04	8.91E-04	1.81E-03	9.08E-04	8.79E-04	1.79E-03
4454 480863.09, 3858377.25	0.0244	0.0237	3.71E-03	3.75E-03	3.49E-03	3.58E-03	3.37E-03	9.82E-04	9.54E-04	1.94E-03	9.58E-04	9.31E-04	1.89E-03	9.45E-04	9.18E-04	1.86E-03
4455 481363.09, 3858377.25	0.02651	0.02517	4.03E-03	3.99E-03	3.80E-03	3.89E-03	3.67E-03	1.07E-03	1.01E-03	2.08E-03	1.04E-03	9.88E-04	2.03E-03	1.03E-03	9.75E-04	2.00E-03
4456 481863.09, 3858377.25	0.02683	0.02628	4.08E-03	4.16E-03	3.84E-03	3.93E-03	3.71E-03	1.08E-03	1.06E-03	2.14E-03	1.05E-03	1.03E-03	2.09E-03	1.04E-03	1.02E-03	2.06E-03
4457 482363.09, 3858377.25	0.03007	0.02806	4.57E-03	4.44E-03	4.30E-03	4.41E-03	4.16E-03	1.21E-03	1.13E-03	2.34E-03	1.18E-03	1.10E-03	2.28E-03	1.17E-03	1.09E-03	2.25E-03
4458 482863.09, 3858377.25	0.03597	0.0302	5.47E-03	4.78E-03	5.15E-03	5.27E-03	4.97E-03	1.45E-03	1.22E-03	2.66E-03	1.41E-03	1.19E-03	2.60E-03	1.39E-03	1.17E-03	2.56E-03
4459 483363.09, 3858377.25	0.03898	0.03115	5.92E-03	4.93E-03	5.58E-03	5.72E-03	5.39E-03	1.57E-03	1.25E-03	2.82E-03	1.53E-03	1.22E-03	2.75E-03	1.51E-03	1.21E-03	2.72E-03
4460 483863.09, 3858377.25	0.04402	0.03409	6.69E-03	5.40E-03	6.30E-03	6.45E-03	6.09E-03	1.77E-03	1.37E-03	3.14E-03	1.73E-03	1.34E-03	3.07E-03	1.71E-03	1.32E-03	3.03E-03
4461 484363.09, 3858377.25	0.04836	0.03568	7.35E-03	5.65E-03	6.92E-03	7.09E-03	6.69E-03	1.95E-03	1.44E-03	3.38E-03	1.90E-03	1.40E-03	3.30E-03	1.87E-03	1.38E-03	3.26E-03
4462 484863.09, 3858377.25	0.05623	0.03949	8.54E-03	6.25E-03	8.05E-03	8.24E-03	7.78E-03	2.26E-03	1.59E-03	3.85E-03	2.21E-03	1.55E-03	3.76E-03	2.18E-03	1.53E-03	3.71E-03
4463 485363.09, 3858377.25	0.06885	0.04613	1.05E-02	7.30E-03	9.86E-03	1.01E-02	9.52E-03	2.77E-03	1.86E-03	4.63E-03	2.70E-03	1.81E-03	4.52E-03	2.67E-03	1.79E-03	4.46E-03
4464 485863.09, 3858377.25	0.07703	0.05161	1.17E-02	8.17E-03	1.10E-02	1.13E-02	1.07E-02	3.10E-03	2.08E-03	5.18E-03	3.02E-03	2.03E-03	5.05E-03	2.98E-03	2.00E-03	4.98E-03
4465 486363.09, 3858377.25	0.10027	0.05878	1.52E-02	9.31E-03	1.44E-02	1.47E-02	1.39E-02	4.04E-03	2.37E-03	6.40E-03	3.94E-03	2.31E-03	6.25E-03	3.89E-03	2.28E-03	6.16E-03
4466 486863.09, 3858377.25	0.13424	0.07248	2.04E-02	1.15E-02	1.92E-02	1.97E-02	1.86E-02	5.40E-03	2.92E-03	8.32E-03	5.27E-03	2.85E-03	8.12E-03	5.20E-03	2.81E-03	8.01E-03
4467 487363.09, 3858377.25	0.21985	0.09739	3.34E-02	1.54E-02	3.15E-02	3.22E-02	3.04E-02	8.85E-03	3.92E-03	1.28E-02	8.63E-03	3.82E-03	1.25E-02	8.52E-03	3.77E-03	1.23E-02
4468 487863.09, 3858377.25	1.1199	0.18085	1.70E-01	2.86E-02	1.60E-01	1.64E-01	1.55E-01	4.51E-02	7.28E-03	5.23E-02	4.40E-02	7.10E-03	5.11E-02	4.34E-02	7.01E-03	5.04E-02
4469 488363.09, 3858377.25	0.25953	0.57453	3.94E-02	9.10E-02	3.72E-02	3.81E-02	3.59E-02	1.04E-02	2.31E-02	3.36E-02	1.02E-02	2.26E-02	3.28E-02	1.01E-02	2.23E-02	3.23E-02
4470 488863.09, 3858377.25	0.16337	0.18248	2.48E-02	2.89E-02	2.34E-02	2.40E-02	2.26E-02	6.57E-03	7.34E-03	1.39E-02	6.42E-03	7.17E-03	1.36E-02	6.33E-03	7.07E-03	1.34E-02
4471 489363.09, 3858377.25	0.121	0.12144	1.84E-02	1.92E-02	1.73E-02	1.77E-02	1.67E-02	4.87E-03	4.89E-03	9.76E-03	4.75E-03	4.77E-03	9.52E-03	4.69E-03	4.71E-03	9.39E-03
4472 489863.09, 3858377.25	0.09948	0.09631	1.51E-02	1.52E-02	1.42E-02	1.46E-02	1.38E-02	4.00E-03	3.88E-03	7.88E-03	3.91E-03	3.78E-03	7.69E-03	3.85E-03	3.73E-03	7.59E-03
4473 490363.09, 3858377.25	0.08343	0.07921	1.27E-02	1.25E-02	1.19E-02	1.22E-02	1.15E-02	3.36E-03	3.19E-03	6.55E-03	3.28E-03	3.11E-03	6.39E-03	3.23E-03	3.07E-03	6.30E-03
4474 490863.09, 3858377.25	0.07312	0.06791	1.11E-02	1.08E-02	1.05E-02	1.07E-02	1.01E-02	2.94E-03	2.73E-03	5.68E-03	2.87E-03	2.67E-03	5.54E-03	2.83E-03	2.63E-03	5.46E-03
4475 491363.09, 3858377.25	0.05561	0.05246	8.45E-03	8.31E-03	7.96E-03	8.15E-03	7.69E-03	2.24E-03	2.11E-03	4.35E-03	2.18E-03	2.06E-03	4.24E-03	2.15E-03	2.03E-03	4.19E-03
4476 491863.09, 3858377.25	0.03251	0.034	4.94E-03	5.38E-03	4.65E-03	4.77E-03	4.50E-03	1.31E-03	1.37E-03	2.68E-03	1.28E-03	1.34E-03	2.61E-03	1.26E-03	1.32E-03	2.58E-03
4477 492363.09, 3858377.25	0.0208	0.02353	3.16E-03	3.73E-03	2.98E-03	3.05E-03	2.88E-03	8.37E-04	9.47E-04	1.78E-03	8.17E-04	9.24E-04	1.74E-03	8.06E-04	9.12E-04	1.72E-03
4478 492863.09, 3858377.25	0.02212	0.02491	3.36E-03	3.94E-03	3.17E-03	3.24E-03	3.06E-03	8.90E-04	1.00E-03	1.89E-03	8.69E-04	9.78E-04	1.85E-03	8.57E-04	9.65E-04	1.82E-03
4479 493363.09, 3858377.25	0.01955	0.02168	2.97E-03	3.43E-03	2.80E-03	2.87E-03	2.70E-03	7.87E-04	8.72E-04	1.66E-03	7.68E-04	8.51E-04	1.62E-03	7.58E-04	8.40E-04	1.60E-03
4480 493863.09, 3858377.25	0.01762	0.01897	2.68E-03	3.00E-03	2.52E-03	2.58E-03	2.44E-03	7.09E-04	7.63E-04	1.47E-03	6.92E-04	7.45E-04	1.44E-03	6.83E-04	7.35E-04	1.42E-03
4481 494363.09, 3858377.25	0.01638	0.01714	2.49E-03	2.71E-03	2.34E-03	2.40E-03	2.27E-03	6.59E-04	6.90E-04	1.35E-03	6.43E-04	6.73E-04	1.32E-03	6.35E-04	6.64E-04	1.30E-03
4482 494863.09, 3858377.25	0.01562	0.01583	2.37E-03	2.51E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.37E-04	1.27E-03	6.13E-04	6.22E-04	1.24E-03	6.05E-04	6.13E-04	1.22E-03
4483 495363.09, 3858377.25	0.01426	0.01441	2.17E-03	2.28E-03	2.04E-03	2.09E-03	1.97E-03	5.74E-04	5.80E-04	1.15E-03	5.60E-04	5.66E-04	1.13E-03	5.53E-04	5.58E-04	1.11E-03
4484 495863.09, 3858377.25	0.014	0.01431	2.13E-03	2.27E-03	2.00E-03	2.05E-03	1.94E-03	5.63E-04	5.76E-04	1.14E-03	5.50E-04	5.62E-04	1.11E-03	5.42E-04	5.54E-04	1.10E-03

4485 496363.09, 3858377.25	0.01371	0.01422	2.08E-03	2.25E-03	1.96E-03	2.01E-03	1.90E-03	5.52E-04	5.72E-04	1.12E-03	5.38E-04	5.58E-04	1.10E-03	5.31E-04	5.51E-04	1.08E-03
4486 496863.09, 3858377.25	0.01398	0.01474	2.12E-03	2.33E-03	2.00E-03	2.05E-03	1.93E-03	5.63E-04	5.93E-04	1.16E-03	5.49E-04	5.79E-04	1.13E-03	5.42E-04	5.71E-04	1.11E-03
4487 497363.09, 3858377.25	0.01406	0.01493	2.14E-03	2.36E-03	2.01E-03	2.06E-03	1.94E-03	5.66E-04	6.01E-04	1.17E-03	5.52E-04	5.86E-04	1.14E-03	5.45E-04	5.79E-04	1.12E-03
4488 497863.09, 3858377.25	0.01527	0.01597	2.32E-03	2.53E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	6.43E-04	1.26E-03	6.00E-04	6.27E-04	1.23E-03	5.92E-04	6.19E-04	1.21E-03
4489 498363.09, 3858377.25	0.0173	0.01762	2.63E-03	2.79E-03	2.48E-03	2.54E-03	2.39E-03	6.96E-04	7.09E-04	1.41E-03	6.79E-04	6.92E-04	1.37E-03	6.70E-04	6.83E-04	1.35E-03
4490 471363.09, 3858877.25	0.01207	0.01258	1.83E-03	1.99E-03	1.73E-03	1.77E-03	1.67E-03	4.86E-04	5.06E-04	9.92E-04	4.74E-04	4.94E-04	9.68E-04	4.68E-04	4.87E-04	9.55E-04
4491 471863.09, 3858877.25	0.01205	0.01273	1.83E-03	2.02E-03	1.73E-03	1.77E-03	1.67E-03	4.85E-04	5.12E-04	9.97E-04	4.73E-04	5.00E-04	9.73E-04	4.67E-04	4.93E-04	9.60E-04
4492 472363.09, 3858877.25	0.01263	0.01322	1.92E-03	2.09E-03	1.81E-03	1.85E-03	1.75E-03	5.08E-04	5.32E-04	1.04E-03	4.96E-04	5.19E-04	1.02E-03	4.89E-04	5.12E-04	1.00E-03
4493 472863.09, 3858877.25	0.0131	0.01375	1.99E-03	2.18E-03	1.88E-03	1.92E-03	1.81E-03	5.27E-04	5.53E-04	1.08E-03	5.14E-04	5.40E-04	1.05E-03	5.08E-04	5.33E-04	1.04E-03
4494 473363.09, 3858877.25	0.01374	0.01423	2.09E-03	2.25E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	5.73E-04	1.13E-03	5.40E-04	5.59E-04	1.10E-03	5.32E-04	5.51E-04	1.08E-03
4495 473863.09, 3858877.25	0.01351	0.01418	2.05E-03	2.25E-03	1.93E-03	1.98E-03	1.87E-03	5.44E-04	5.71E-04	1.11E-03	5.31E-04	5.57E-04	1.09E-03	5.23E-04	5.49E-04	1.07E-03
4496 474363.09, 3858877.25	0.01267	0.01369	1.93E-03	2.17E-03	1.81E-03	1.86E-03	1.75E-03	5.10E-04	5.51E-04	1.06E-03	4.98E-04	5.38E-04	1.04E-03	4.91E-04	5.30E-04	1.02E-03
4497 474863.09, 3858877.25	0.00867	0.00945	1.32E-03	1.50E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.80E-04	7.29E-04	3.40E-04	3.71E-04	7.12E-04	3.36E-04	3.66E-04	7.02E-04
4498 475363.09, 3858877.25	0.00776	0.00798	1.18E-03	1.26E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.21E-04	6.33E-04	3.05E-04	3.13E-04	6.18E-04	3.01E-04	3.09E-04	6.10E-04
4499 475863.09, 3858877.25	0.00813	0.00857	1.24E-03	1.36E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.45E-04	6.72E-04	3.19E-04	3.37E-04	6.56E-04	3.15E-04	3.32E-04	6.47E-04
4500 476363.09, 3858877.25	0.00733	0.00723	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.91E-04	5.86E-04	2.88E-04	2.84E-04	5.72E-04	2.84E-04	2.80E-04	5.64E-04
4501 476863.09, 3858877.25	0.00779	0.00798	1.18E-03	1.26E-03	1.12E-03	1.14E-03	1.08E-03	3.13E-04	3.21E-04	6.35E-04	3.06E-04	3.13E-04	6.19E-04	3.02E-04	3.09E-04	6.11E-04
4502 477363.09, 3858877.25	0.00798	0.00827	1.21E-03	1.31E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.33E-04	6.54E-04	3.13E-04	3.25E-04	6.38E-04	3.09E-04	3.20E-04	6.30E-04
4503 477863.09, 3858877.25	0.00869	0.00906	1.32E-03	1.43E-03	1.24E-03	1.27E-03	1.20E-03	3.50E-04	3.65E-04	7.14E-04	3.41E-04	3.56E-04	6.97E-04	3.37E-04	3.51E-04	6.88E-04
4504 478363.09, 3858877.25	0.01098	0.01213	1.67E-03	1.92E-03	1.57E-03	1.61E-03	1.52E-03	4.42E-04	4.88E-04	9.30E-04	4.31E-04	4.76E-04	9.08E-04	4.25E-04	4.70E-04	8.95E-04
4505 478863.09, 3858877.25	0.01096	0.01183	1.67E-03	1.87E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	4.76E-04	9.17E-04	4.30E-04	4.65E-04	8.95E-04	4.25E-04	4.58E-04	8.83E-04
4506 479363.09, 3858877.25	0.01073	0.01108	1.63E-03	1.75E-03	1.54E-03	1.57E-03	1.48E-03	4.32E-04	4.46E-04	8.78E-04	4.21E-04	4.35E-04	8.56E-04	4.16E-04	4.29E-04	8.45E-04
4507 479863.09, 3858877.25	0.02098	0.02053	3.19E-03	3.25E-03	3.00E-03	3.08E-03	2.90E-03	8.44E-04	8.26E-04	1.67E-03	8.24E-04	8.06E-04	1.63E-03	8.13E-04	7.96E-04	1.61E-03
4508 480363.09, 3858877.25	0.02337	0.02264	3.55E-03	3.58E-03	3.35E-03	3.43E-03	3.23E-03	9.40E-04	9.11E-04	1.85E-03	9.18E-04	8.89E-04	1.81E-03	9.06E-04	8.77E-04	1.78E-03
4509 480863.09, 3858877.25	0.02474	0.0237	3.76E-03	3.75E-03	3.54E-03	3.63E-03	3.42E-03	9.96E-04	9.54E-04	1.95E-03	9.72E-04	9.31E-04	1.90E-03	9.59E-04	9.18E-04	1.88E-03
4510 481363.09, 3858877.25	0.02607	0.02441	3.96E-03	3.86E-03	3.73E-03	3.82E-03	3.61E-03	1.05E-03	9.82E-04	2.03E-03	1.02E-03	9.59E-04	1.98E-03	1.01E-03	9.46E-04	1.96E-03
4511 481863.09, 3858877.25	0.02729	0.02525	4.15E-03	4.00E-03	3.91E-03	4.00E-03	3.77E-03	1.10E-03	1.02E-03	2.11E-03	1.07E-03	9.92E-04	2.06E-03	1.06E-03	9.78E-04	2.04E-03
4512 482363.09, 3858877.25	0.02804	0.02632	4.26E-03	4.17E-03	4.01E-03	4.11E-03	3.88E-03	1.13E-03	1.06E-03	2.19E-03	1.10E-03	1.03E-03	2.13E-03	1.09E-03	1.02E-03	2.11E-03
4513 482863.09, 3858877.25	0.02998	0.02844	4.56E-03	4.50E-03	4.29E-03	4.40E-03	4.15E-03	1.21E-03	1.14E-03	2.35E-03	1.18E-03	1.12E-03	2.29E-03	1.16E-03	1.10E-03	2.26E-03
4514 483363.09, 3858877.25	0.03505	0.02975	5.33E-03	4.71E-03	5.02E-03	5.14E-03	4.85E-03	1.41E-03	1.20E-03	2.61E-03	1.38E-03	1.17E-03	2.54E-03	1.36E-03	1.15E-03	2.51E-03
4515 483863.09, 3858877.25	0.03644	0.03135	5.54E-03	4.96E-03	5.22E-03	5.34E-03	5.04E-03	1.47E-03	1.26E-03	2.73E-03	1.43E-03	1.23E-03	2.66E-03	1.41E-03	1.21E-03	2.63E-03
4516 484363.09, 3858877.25	0.03961	0.03283	6.02E-03	5.20E-03	5.67E-03	5.81E-03	5.48E-03	1.59E-03	1.32E-03	2.92E-03	1.56E-03	1.29E-03	2.84E-03	1.53E-03	1.27E-03	2.81E-03
4517 484863.09, 3858877.25	0.04308	0.03539	6.55E-03	5.60E-03	6.17E-03	6.32E-03	5.96E-03	1.73E-03	1.42E-03	3.16E-03	1.69E-03	1.39E-03	3.08E-03	1.67E-03	1.37E-03	3.04E-03
4518 485363.09, 3858877.25	0.05478	0.04117	8.32E-03	6.52E-03	7.84E-03	8.03E-03	7.58E-03	2.20E-03	1.66E-03	3.86E-03	2.15E-03	1.62E-03	3.77E-03	2.12E-03	1.60E-03	3.72E-03
4519 485863.09, 3858877.25	0.06168	0.04721	9.37E-03	7.47E-03	8.83E-03	9.04E-03	8.53E-03	2.48E-03	1.90E-03	4.38E-03	2.42E-03	1.85E-03	4.28E-03	2.39E-03	1.83E-03	4.22E-03
4520 486363.09, 3858877.25	0.0716	0.04934	1.09E-02	7.81E-03	1.03E-02	1.05E-02	9.90E-03	2.88E-03	1.99E-03	4.87E-03	2.81E-03	1.94E-03	4.75E-03	2.77E-03	1.91E-03	4.69E-03
4521 486863.09, 3858877.25	0.082	0.05729	1.25E-02	9.07E-03	1.17E-02	1.20E-02	1.13E-02	3.30E-03	2.31E-03	5.61E-03	3.22E-03	2.25E-03	5.47E-03	3.18E-03	2.22E-03	5.40E-03
4522 487363.09, 3858877.25	0.10561	0.07668	1.60E-02	1.21E-02	1.51E-02	1.55E-02	1.46E-02	4.25E-03	3.09E-03	7.34E-03	4.15E-03	3.01E-03	7.16E-03	4.09E-03	2.97E-03	7.06E-03
4523 487863.09, 3858877.25	0.14407	0.10451	2.19E-02	1.65E-02	2.06E-02	2.11E-02	1.99E-02	5.80E-03	4.21E-03	1.00E-02	5.66E-03	4.10E-03	9.76E-03	5.58E-03	4.05E-03	9.63E-03
4524 488363.09, 3858877.25	0.2601	0.17329	3.95E-02	2.74E-02	3.72E-02	3.81E-02	3.60E-02	1.05E-02	6.97E-03	1.74E-02	1.02E-02	6.81E-03	1.70E-02	1.01E-02	6.71E-03	1.68E-02
4525 488863.09, 3858877.25	0.62363	1.03486	9.48E-02	1.64E-01	8.93E-02	9.14E-02	8.63E-02	2.51E-02	4.16E-02	6.67E-02	2.45E-02	4.06E-02	6.51E-02	2.42E-02	4.01E-02	6.43E-02
4526 489363.09, 3858877.25	0.23057	0.22467	3.50E-02	3.56E-02	3.30E-02	3.38E-02	3.19E-02	9.28E-03	9.04E-03	1.83E-02	9.05E-03	8.82E-03	1.79E-02	8.93E-03	8.71E-03	1.76E-02
4527 489863.09, 3858877.25	0.1508	0.14592	2.29E-02	2.31E-02	2.16E-02	2.21E-02	2.09E-02	6.07E-03	5.87E-03	1.19E-02	5.92E-03	5.73E-03	1.17E-02	5.84E-03	5.65E-03	1.15E-02
4528 490363.09, 3858877.25	0.11204	0.10907	1.70E-02	1.73E-02	1.60E-02	1.64E-02	1.55E-02	4.51E-03	4.39E-03	8.90E-03	4.40E-03	4.28E-03	8.68E-03	4.34E-03	4.23E-03	8.57E-03
4529 490863.09, 3858877.25	0.07196	0.06921	1.09E-02	1.10E-02	1.03E-02	1.06E-02	9.95E-03	2.90E-03	2.79E-03	5.68E-03	2.83E-03	2.72E-03	5.54E-03	2.79E-03	2.68E-03	5.47E-03
4530 491363.09, 3858877.25	0.04207	0.03986	6.39E-03	6.31E-03	6.02E-03	6.17E-03	5.82E-03	1.69E-03	1.60E-03	3.30E-03	1.65E-03	1.57E-03	3.22E-03	1.63E-03	1.54E-03	3.17E-03
4531 491863.09, 3858877.25	0.02837	0.02884	4.31E-03	4.57E-03	4.06E-03	4.16E-03	3.92E-03	1.14E-03	1.16E-03	2.30E-03	1.11E-03	1.13E-03	2.25E-03	1.10E-03	1.12E-03	2.22E-03
4532 492363.09, 3858877.25	0.03168	0.03034	4.81E-03	4.80E-03	4.54E-03	4.65E-03	4.38E-03	1.27E-03	1.22E-03	2.50E-03	1.24E-03	1.19E-03	2.44E-03	1.23E-03	1.18E-03	2.40E-03
4533 492863.09, 3858877.25	0.0363	0.03485	5.52E-03	5.52E-03	5.20E-03	5.32E-03	5.02E-03	1.46E-03	1.40E-03	2.86E-03	1.43E-03	1.37E-03	2.79E-03	1.41E-03	1.35E-03	2.76E-03
4534 493363.09, 3858877.25	0.03062	0.03016	4.65E-03	4.78E-03	4.38E-03	4.49E-03	4.23E-03	1.23E-03	1.21E-03	2.45E-03	1.20E-03	1.18E-03	2.39E-03	1.19E-03	1.17E-03	2.36E-03
4535 493863.09, 3858877.25	0.02486	0.02554	3.78E-03	4.04E-03	3.56E-03	3.65E-03	3.44E-03	1.00E-03	1.03E-03	2.03E-03	9.76E-04	1.00E-03	1.98E-03	9.63E-04	9.90E-04	1.95E-03
4536 494363.09, 3858877.25	0.02235	0.02351	3.40E-03	3.72E-03	3.20E-03	3.28E-03	3.09E-03	8.99E-04	9.46E-04	1.85E-03	8.78E-04	9.23E-04	1.80E-03	8.66E-04	9.11E-04	1.78E-03
4537 494863.09, 3858877.25	0.0199	0.02117	3.02E-03	3.35E-03	2.85E-03	2.92E-03	2.75E-03	8.01E-04	8.52E-04	1.65E-03	7.81E-04	8.31E-04	1.61E-03	7.71E-04	8.20E-04	1.59E-03
4538 495363.09, 3858877.25	0.01789	0.01922	2.72E-03	3.04E-03	2.56E-03	2.62E-03	2.47E-03	7.20E-04	7.73E-04	1.49E-03	7.03E-04	7.55E-04	1.46E-03	6.93E-04	7.45E-04	1.44E-03
4539 495863.09, 3858877.25	0.01731	0.01787	2.63E-03	2.83E-03	2.48E-03	2.54E-03	2.39E-03	6.97E-04	7.19E-04	1.42E-03	6.80E-04	7.02E-04	1.38E-03	6.71E-04	6.92E-04	1.36E-03
4540 496363.09, 3858877.25	0.01718	0.01816	2.61E-03	2.88E-03	2.46E-03	2.52E-03	2.38E-03	6.91E-04	7.31E-04	1.42E-03	6.75E-04	7.13E-04	1.39E-03	6.66E-04	7.04E-04	1.37E-03
4541 496863.09, 3858877.25	0.01669	0.01811	2.54E-03	2.87E-03	2.39E-03	2.45E-03	2.31E-03	6.72E-04	7.29E-04	1.40E-03	6.55E-04	7.11E-04	1.37E-03	6.47E-04	7.02E-04	1.35E-03
4542 497363.09, 3858877.25	0.01652	0.0176	2.51E-03	2.79E-03	2.36E-03	2.42E-03	2.28E-03	6.65E-04	7.08E-04	1.37E-03	6.49E-04	6.91E-04	1.34E-03	6.40E-04	6.82E-04	1.32E-03
4543 497863.09, 3858877.25	0.01801	0.01937	2.74E-03	3.07E-03	2.58E-03	2.64E-03	2.49E-03	7.25E-04	7.80E-04	1.50E-03	7.07E-04	7.61E-04	1.47E-03	6.98E-04	7.51E-04	1.45E-03
4544 498363.09, 3858877.25	0.0211	0.02173	3.21E-03	3.44E-03	3.02E-03	3.09E-03	2.92E-03	8.49E-04	8.74E-04	1.72E-03	8.29E-04	8.53E-04	1.68E-03	8.18E-04	8.42E-04	1.66E-03
4545 471363.09, 3859377.25	0.01204	0.01208	1.83E-03	1.91E-03	1.72E-03	1.77E-03	1.67E-03	4.85E-04	4.86E-04	9.71E-04	4.73E-04	4.74E-04	9.47E-04	4.67E-04	4.68E-04	9.35E-04
4546 471863.09, 3859377.25	0.01221	0.01216	1.86E-03	1.93E-03	1.75E-03	1.79E-03	1.69E-03	4.91E-04	4.89E-04	9.81E-04	4.79E-04	4.78E-04	9.57E-04	4.73E-04	4.71E-04	9.44E-04
4547 472363.09, 3859377.25	0.01291	0.01271	1.96E-03	2.01E-03	1.85E-03	1.89E-03	1.79E-03	5.20E-04	5.11E-04	1.03E-03	5.07E-04	4.99E-04	1.01E-03	5.00E-04	4.92E-04	9.93E-04
4548 472863.09, 3859377.25	0.01343	0.01346	2.04E-03	2.13E-03	1.92E-03	1.97E-03	1.86E-03	5.40E-04	5.42E-04	1.08E-03	5.27E-04	5.29E-04	1.06E-03	5.20E-04	5.22E-04	1.04E-03
4549 473363.09, 3859377.25	0.0138	0.0138	2.10E-03	2.18E-03	1.98E-03	2.02E-03	1.91E-03	5.55E-04	5.55E-04	1.11E-03	5.42E-04	5.42E-04	1.08E-03	5.35E-04	5.35E-04	1.07E-03
4550 473863.09, 3859377.25	0.01394	0.01393	2.12E-03	2.21E-03	2.00E-03	2.04E-03	1.93E-03	5.61E-04	5.61E-04	1.12E-03	5.47E-04	5.47E-04	1.09E-03	5.40E-04	5.40E-04	1.08E-03

4551 474363.09, 3859377.25	0.01287	0.01349	1.96E-03	2.14E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	5.43E-04	1.06E-03	5.05E-04	5.30E-04	1.04E-03	4.99E-04	5.23E-04	1.02E-03
4552 474863.09, 3859377.25	0.01032	0.01189	1.57E-03	1.88E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	4.78E-04	8.94E-04	4.05E-04	4.67E-04	8.72E-04	4.00E-04	4.61E-04	8.61E-04
4553 475363.09, 3859377.25	0.00854	0.00933	1.30E-03	1.48E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.75E-04	7.19E-04	3.35E-04	3.66E-04	7.02E-04	3.31E-04	3.62E-04	6.92E-04
4554 475863.09, 3859377.25	0.0073	0.00753	1.11E-03	1.19E-03	1.05E-03	1.07E-03	1.01E-03	2.94E-04	3.03E-04	5.97E-04	2.87E-04	2.96E-04	5.82E-04	2.83E-04	2.92E-04	5.75E-04
4555 476363.09, 3859377.25	0.00715	0.00733	1.09E-03	1.16E-03	1.02E-03	1.05E-03	9.89E-04	2.88E-04	2.95E-04	5.83E-04	2.81E-04	2.88E-04	5.69E-04	2.77E-04	2.84E-04	5.61E-04
4556 476863.09, 3859377.25	0.00659	0.00683	1.00E-03	1.08E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.75E-04	5.40E-04	2.59E-04	2.68E-04	5.27E-04	2.55E-04	2.65E-04	5.20E-04
4557 477363.09, 3859377.25	0.00681	0.00713	1.03E-03	1.13E-03	9.75E-04	9.99E-04	9.42E-04	2.74E-04	2.87E-04	5.61E-04	2.67E-04	2.80E-04	5.47E-04	2.64E-04	2.76E-04	5.40E-04
4558 477863.09, 3859377.25	0.00826	0.0086	1.26E-03	1.36E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.46E-04	6.78E-04	3.24E-04	3.38E-04	6.62E-04	3.20E-04	3.33E-04	6.53E-04
4559 478363.09, 3859377.25	0.00992	0.01136	1.51E-03	1.80E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	4.57E-04	8.56E-04	3.90E-04	4.46E-04	8.36E-04	3.84E-04	4.40E-04	8.25E-04
4560 478863.09, 3859377.25	0.01255	0.01428	1.91E-03	2.26E-03	1.80E-03	1.84E-03	1.74E-03	5.05E-04	5.75E-04	1.08E-03	4.93E-04	5.61E-04	1.05E-03	4.86E-04	5.53E-04	1.04E-03
4561 479363.09, 3859377.25	0.01604	0.01586	2.44E-03	2.51E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	6.38E-04	1.28E-03	6.30E-04	6.23E-04	1.25E-03	6.22E-04	6.15E-04	1.24E-03
4562 479863.09, 3859377.25	0.01865	0.01803	2.83E-03	2.85E-03	2.67E-03	2.73E-03	2.58E-03	7.51E-04	7.26E-04	1.48E-03	7.32E-04	7.08E-04	1.44E-03	7.23E-04	6.99E-04	1.42E-03
4563 480363.09, 3859377.25	0.02098	0.02034	3.19E-03	3.22E-03	3.00E-03	3.08E-03	2.90E-03	8.44E-04	8.19E-04	1.66E-03	8.24E-04	7.99E-04	1.62E-03	8.13E-04	7.88E-04	1.60E-03
4564 480863.09, 3859377.25	0.02351	0.02182	3.57E-03	3.45E-03	3.37E-03	3.45E-03	3.25E-03	9.46E-04	8.78E-04	1.82E-03	9.23E-04	8.57E-04	1.78E-03	9.11E-04	8.45E-04	1.76E-03
4565 481363.09, 3859377.25	0.02449	0.02245	3.72E-03	3.55E-03	3.51E-03	3.59E-03	3.39E-03	9.86E-04	9.03E-04	1.89E-03	9.62E-04	8.82E-04	1.84E-03	9.49E-04	8.70E-04	1.82E-03
4566 481863.09, 3859377.25	0.02572	0.02349	3.91E-03	3.72E-03	3.68E-03	3.77E-03	3.56E-03	1.04E-03	9.45E-04	1.98E-03	1.01E-03	9.22E-04	1.93E-03	9.97E-04	9.10E-04	1.91E-03
4567 482363.09, 3859377.25	0.02665	0.02471	4.05E-03	3.91E-03	3.82E-03	3.91E-03	3.69E-03	1.07E-03	9.94E-04	2.07E-03	1.05E-03	9.70E-04	2.02E-03	1.03E-03	9.57E-04	1.99E-03
4568 482863.09, 3859377.25	0.03005	0.0275	4.57E-03	4.35E-03	4.30E-03	4.41E-03	4.16E-03	1.21E-03	1.11E-03	2.32E-03	1.18E-03	1.08E-03	2.26E-03	1.16E-03	1.07E-03	2.23E-03
4569 483363.09, 3859377.25	0.0331	0.02957	5.03E-03	4.68E-03	4.74E-03	4.85E-03	4.58E-03	1.33E-03	1.19E-03	2.52E-03	1.30E-03	1.16E-03	2.46E-03	1.28E-03	1.15E-03	2.43E-03
4570 483863.09, 3859377.25	0.03509	0.03046	5.33E-03	4.82E-03	5.02E-03	5.15E-03	4.85E-03	1.41E-03	1.23E-03	2.64E-03	1.38E-03	1.20E-03	2.57E-03	1.36E-03	1.18E-03	2.54E-03
4571 484363.09, 3859377.25	0.0368	0.03283	5.59E-03	5.20E-03	5.27E-03	5.40E-03	5.09E-03	1.48E-03	1.32E-03	2.80E-03	1.45E-03	1.29E-03	2.73E-03	1.43E-03	1.27E-03	2.70E-03
4572 484863.09, 3859377.25	0.03815	0.034	5.80E-03	5.38E-03	5.46E-03	5.59E-03	5.28E-03	1.54E-03	1.37E-03	2.90E-03	1.50E-03	1.34E-03	2.83E-03	1.48E-03	1.32E-03	2.80E-03
4573 485363.09, 3859377.25	0.04494	0.03692	6.83E-03	5.85E-03	6.43E-03	6.59E-03	6.22E-03	1.81E-03	1.49E-03	3.29E-03	1.76E-03	1.45E-03	3.21E-03	1.74E-03	1.43E-03	3.17E-03
4574 485863.09, 3859377.25	0.05069	0.04154	7.70E-03	6.58E-03	7.26E-03	7.43E-03	7.01E-03	2.04E-03	1.67E-03	3.71E-03	1.99E-03	1.63E-03	3.62E-03	1.96E-03	1.61E-03	3.57E-03
4575 486363.09, 3859377.25	0.05413	0.04468	8.23E-03	7.07E-03	7.75E-03	7.94E-03	7.49E-03	2.18E-03	1.80E-03	3.98E-03	2.13E-03	1.75E-03	3.88E-03	2.10E-03	1.73E-03	3.83E-03
4576 486863.09, 3859377.25	0.06326	0.05071	9.61E-03	8.03E-03	9.06E-03	9.28E-03	8.75E-03	2.55E-03	2.04E-03	4.59E-03	2.48E-03	1.99E-03	4.48E-03	2.45E-03	1.96E-03	4.42E-03
4577 487363.09, 3859377.25	0.07201	0.06015	1.09E-02	9.52E-03	1.03E-02	1.06E-02	9.96E-03	2.90E-03	2.42E-03	5.32E-03	2.83E-03	2.36E-03	5.19E-03	2.79E-03	2.33E-03	5.12E-03
4578 487863.09, 3859377.25	0.08764	0.07372	1.33E-02	1.17E-02	1.25E-02	1.29E-02	1.21E-02	3.53E-03	2.97E-03	6.49E-03	3.44E-03	2.89E-03	6.34E-03	3.40E-03	2.86E-03	6.25E-03
4579 488363.09, 3859377.25	0.10946	0.09711	1.66E-02	1.54E-02	1.57E-02	1.60E-02	1.51E-02	4.41E-03	3.91E-03	8.31E-03	4.30E-03	3.81E-03	8.11E-03	4.24E-03	3.76E-03	8.00E-03
4580 488863.09, 3859377.25	0.15139	0.14845	2.30E-02	2.35E-02	2.17E-02	2.22E-02	2.09E-02	6.09E-03	5.97E-03	1.21E-02	5.95E-03	5.83E-03	1.18E-02	5.87E-03	5.75E-03	1.16E-02
4581 489363.09, 3859377.25	0.31887	0.2897	4.85E-02	4.59E-02	4.56E-02	4.68E-02	4.41E-02	1.28E-02	1.17E-02	2.45E-02	1.25E-02	1.14E-02	2.39E-02	1.24E-02	1.12E-02	2.36E-02
4582 489863.09, 3859377.25	0.45591	0.45677	6.93E-02	7.23E-02	6.53E-02	6.68E-02	6.31E-02	1.83E-02	1.84E-02	3.67E-02	1.79E-02	1.79E-02	3.58E-02	1.77E-02	1.77E-02	3.54E-02
4583 490363.09, 3859377.25	0.19761	0.19164	3.00E-02	3.03E-02	2.83E-02	2.90E-02	2.73E-02	7.95E-03	7.71E-03	1.57E-02	7.76E-03	7.53E-03	1.53E-02	7.66E-03	7.43E-03	1.51E-02
4584 490863.09, 3859377.25	0.10167	0.09604	1.54E-02	1.52E-02	1.46E-02	1.49E-02	1.41E-02	4.09E-03	3.86E-03	7.96E-03	3.99E-03	3.77E-03	7.76E-03	3.94E-03	3.72E-03	7.66E-03
4585 491363.09, 3859377.25	0.04978	0.04541	7.56E-03	7.19E-03	7.13E-03	7.30E-03	6.88E-03	2.00E-03	1.83E-03	3.83E-03	1.95E-03	1.78E-03	3.74E-03	1.93E-03	1.76E-03	3.69E-03
4586 491863.09, 3859377.25	0.05879	0.05578	8.93E-03	8.83E-03	8.42E-03	8.62E-03	8.13E-03	2.37E-03	2.24E-03	4.61E-03	2.31E-03	2.19E-03	4.50E-03	2.28E-03	2.16E-03	4.44E-03
4587 492363.09, 3859377.25	0.05372	0.05202	8.16E-03	8.24E-03	7.69E-03	7.88E-03	7.43E-03	2.16E-03	2.09E-03	4.26E-03	2.11E-03	2.04E-03	4.15E-03	2.08E-03	2.02E-03	4.10E-03
4588 492863.09, 3859377.25	0.05268	0.05154	8.00E-03	8.16E-03	7.54E-03	7.72E-03	7.29E-03	2.12E-03	2.07E-03	4.19E-03	2.07E-03	2.02E-03	4.09E-03	2.04E-03	2.00E-03	4.04E-03
4589 493363.09, 3859377.25	0.04271	0.04101	6.49E-03	6.49E-03	6.11E-03	6.26E-03	5.91E-03	1.72E-03	1.65E-03	3.37E-03	1.68E-03	1.61E-03	3.29E-03	1.65E-03	1.59E-03	3.24E-03
4590 493863.09, 3859377.25	0.03909	0.03686	5.94E-03	5.84E-03	5.60E-03	5.73E-03	5.41E-03	1.57E-03	1.48E-03	3.06E-03	1.54E-03	1.45E-03	2.98E-03	1.51E-03	1.43E-03	2.94E-03
4591 494363.09, 3859377.25	0.03387	0.03217	5.15E-03	5.09E-03	4.85E-03	4.97E-03	4.68E-03	1.36E-03	1.29E-03	2.66E-03	1.33E-03	1.26E-03	2.59E-03	1.31E-03	1.25E-03	2.56E-03
4592 494863.09, 3859377.25	0.02761	0.02678	4.20E-03	4.24E-03	3.95E-03	4.05E-03	3.82E-03	1.11E-03	1.08E-03	2.19E-03	1.08E-03	1.05E-03	2.14E-03	1.07E-03	1.04E-03	2.11E-03
4593 495363.09, 3859377.25	0.02481	0.02535	3.77E-03	4.01E-03	3.55E-03	3.64E-03	3.43E-03	9.98E-04	1.02E-03	2.02E-03	9.74E-04	9.95E-04	1.97E-03	9.61E-04	9.82E-04	1.94E-03
4594 495863.09, 3859377.25	0.0225	0.0235	3.42E-03	3.72E-03	3.22E-03	3.30E-03	3.11E-03	9.05E-04	9.46E-04	1.85E-03	8.84E-04	9.23E-04	1.81E-03	8.72E-04	9.11E-04	1.78E-03
4595 496363.09, 3859377.25	0.02208	0.02264	3.36E-03	3.58E-03	3.16E-03	3.24E-03	3.05E-03	8.89E-04	9.11E-04	1.80E-03	8.67E-04	8.89E-04	1.76E-03	8.56E-04	8.77E-04	1.73E-03
4596 496863.09, 3859377.25	0.02029	0.02083	3.08E-03	3.30E-03	2.90E-03	2.98E-03	2.81E-03	8.17E-04	8.38E-04	1.65E-03	7.97E-04	8.18E-04	1.61E-03	7.86E-04	8.07E-04	1.59E-03
4597 497363.09, 3859377.25	0.02086	0.02208	3.17E-03	3.50E-03	2.99E-03	3.06E-03	2.89E-03	8.39E-04	8.89E-04	1.73E-03	8.19E-04	8.67E-04	1.69E-03	8.08E-04	8.56E-04	1.66E-03
4598 497863.09, 3859377.25	0.02352	0.02422	3.57E-03	3.83E-03	3.37E-03	3.45E-03	3.25E-03	9.47E-04	9.75E-04	1.92E-03	9.24E-04	9.51E-04	1.87E-03	9.11E-04	9.38E-04	1.85E-03
4599 498363.09, 3859377.25	0.02568	0.02564	3.90E-03	4.06E-03	3.68E-03	3.77E-03	3.55E-03	1.03E-03	1.03E-03	2.07E-03	1.01E-03	1.01E-03	2.02E-03	9.95E-04	9.94E-04	1.99E-03
4600 471363.09, 3859877.25	0.01234	0.0121	1.88E-03	1.92E-03	1.77E-03	1.81E-03	1.71E-03	4.97E-04	4.87E-04	9.84E-04	4.85E-04	4.75E-04	9.60E-04	4.78E-04	4.69E-04	9.47E-04
4601 471863.09, 3859877.25	0.01261	0.01228	1.92E-03	1.94E-03	1.81E-03	1.85E-03	1.74E-03	5.07E-04	4.94E-04	1.00E-03	4.95E-04	4.82E-04	9.77E-04	4.89E-04	4.76E-04	9.64E-04
4602 472363.09, 3859877.25	0.01276	0.01263	1.94E-03	2.00E-03	1.83E-03	1.87E-03	1.76E-03	5.14E-04	5.08E-04	1.02E-03	5.01E-04	4.96E-04	9.97E-04	4.94E-04	4.89E-04	9.84E-04
4603 472863.09, 3859877.25	0.01329	0.01313	2.02E-03	2.08E-03	1.90E-03	1.95E-03	1.84E-03	5.35E-04	5.28E-04	1.06E-03	5.22E-04	5.16E-04	1.04E-03	5.15E-04	5.09E-04	1.02E-03
4604 473363.09, 3859877.25	0.01364	0.01325	2.07E-03	2.10E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	5.33E-04	1.08E-03	5.36E-04	5.20E-04	1.06E-03	5.29E-04	5.13E-04	1.04E-03
4605 473863.09, 3859877.25	0.01401	0.01354	2.13E-03	2.14E-03	2.01E-03	2.05E-03	1.94E-03	5.64E-04	5.45E-04	1.11E-03	5.50E-04	5.32E-04	1.08E-03	5.43E-04	5.25E-04	1.07E-03
4606 474363.09, 3859877.25	0.01281	0.01312	1.95E-03	2.08E-03	1.83E-03	1.88E-03	1.77E-03	5.16E-04	5.28E-04	1.04E-03	5.03E-04	5.15E-04	1.02E-03	4.96E-04	5.08E-04	1.00E-03
4607 474863.09, 3859877.25	0.0112	0.01224	1.70E-03	1.94E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	4.93E-04	9.43E-04	4.40E-04	4.81E-04	9.20E-04	4.34E-04	4.74E-04	9.08E-04
4608 475363.09, 3859877.25	0.00882	0.00956	1.34E-03	1.51E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.85E-04	7.40E-04	3.46E-04	3.75E-04	7.22E-04	3.42E-04	3.70E-04	7.12E-04
4609 475863.09, 3859877.25	0.0072	0.00738	1.09E-03	1.17E-03	1.03E-03	1.06E-03	9.96E-04	2.90E-04	2.97E-04	5.87E-04	2.83E-04	2.90E-04	5.73E-04	2.79E-04	2.86E-04	5.65E-04
4610 476363.09, 3859877.25	0.00612	0.00613	9.30E-04	9.71E-04	8.76E-04	8.97E-04	8.46E-04	2.46E-04	2.47E-04	4.93E-04	2.40E-04	2.41E-04	4.81E-04	2.37E-04	2.38E-04	4.75E-04
4611 476863.09, 3859877.25	0.00646	0.00653	9.82E-04	1.03E-03	9.25E-04	9.47E-04	8.93E-04	2.60E-04	2.63E-04	5.23E-04	2.54E-04	2.56E-04	5.10E-04	2.50E-04	2.53E-04	5.03E-04
4612 477363.09, 3859877.25	0.00663	0.00674	1.01E-03	1.07E-03	9.49E-04	9.72E-04	9.17E-04	2.67E-04	2.71E-04	5.38E-04	2.60E-04	2.65E-04	5.25E-04	2.57E-04	2.61E-04	5.18E-04
4613 477863.09, 3859877.25	0.00775	0.00813	1.18E-03	1.29E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.27E-04	6.39E-04	3.04E-04	3.19E-04	6.24E-04	3.00E-04	3.15E-04	6.15E-04
4614 478363.09, 3859877.25	0.00956	0.01079	1.45E-03	1.71E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	4.34E-04	8.19E-04	3.75E-04	4.24E-04	7.99E-04	3.70E-04	4.18E-04	7.89E-04
4615 478863.09, 3859877.25	0.01201	0.01352	1.82E-03	2.14E-03	1.72E-03	1.76E-03	1.66E-03	4.83E-04	5.44E-04	1.03E-03	4.72E-04	5.31E-04	1.00E-03	4.65E-04	5.24E-04	9.89E-04
4616 479363.09, 3859877.25	0.01549	0.01542	2.35E-03	2.44E-03	2.22E-03	2.27E-03	2.14E-03	6.23E-04	6.21E-04	1.24E-03	6.08E-04	6.06E-04	1.21E-03	6.00E-04	5.98E-04	1.20E-03

4617 479863.09, 3859877.25	0.01815	0.01721	2.76E-03	2.72E-03	2.60E-03	2.66E-03	2.51E-03	7.30E-04	6.93E-04	1.42E-03	7.13E-04	6.76E-04	1.39E-03	7.03E-04	6.67E-04	1.37E-03
4618 480363.09, 3859877.25	0.01983	0.01895	3.01E-03	3.00E-03	2.84E-03	2.91E-03	2.74E-03	7.98E-04	7.63E-04	1.56E-03	7.79E-04	7.44E-04	1.52E-03	7.68E-04	7.34E-04	1.50E-03
4619 480863.09, 3859877.25	0.02148	0.02011	3.26E-03	3.18E-03	3.08E-03	3.15E-03	2.97E-03	8.64E-04	8.09E-04	1.67E-03	8.44E-04	7.90E-04	1.63E-03	8.32E-04	7.79E-04	1.61E-03
4620 481363.09, 3859877.25	0.02226	0.02076	3.38E-03	3.29E-03	3.19E-03	3.26E-03	3.08E-03	8.96E-04	8.35E-04	1.73E-03	8.74E-04	8.15E-04	1.69E-03	8.63E-04	8.04E-04	1.67E-03
4621 481863.09, 3859877.25	0.02264	0.02156	3.44E-03	3.41E-03	3.24E-03	3.32E-03	3.13E-03	9.11E-04	8.68E-04	1.78E-03	8.89E-04	8.47E-04	1.74E-03	8.77E-04	8.35E-04	1.71E-03
4622 482363.09, 3859877.25	0.02465	0.02369	3.75E-03	3.75E-03	3.53E-03	3.61E-03	3.41E-03	9.92E-04	9.53E-04	1.95E-03	9.68E-04	9.30E-04	1.90E-03	9.55E-04	9.18E-04	1.87E-03
4623 482863.09, 3859877.25	0.02722	0.0253	4.14E-03	4.01E-03	3.90E-03	3.99E-03	3.76E-03	1.10E-03	1.02E-03	2.11E-03	1.07E-03	9.94E-04	2.06E-03	1.05E-03	9.80E-04	2.04E-03
4624 483363.09, 3859877.25	0.02894	0.02688	4.40E-03	4.26E-03	4.14E-03	4.24E-03	4.00E-03	1.16E-03	1.08E-03	2.25E-03	1.14E-03	1.06E-03	2.19E-03	1.12E-03	1.04E-03	2.16E-03
4625 483863.09, 3859877.25	0.03057	0.02798	4.65E-03	4.43E-03	4.38E-03	4.48E-03	4.23E-03	1.23E-03	1.13E-03	2.36E-03	1.20E-03	1.10E-03	2.30E-03	1.18E-03	1.08E-03	2.27E-03
4626 484363.09, 3859877.25	0.03355	0.03089	5.10E-03	4.89E-03	4.80E-03	4.92E-03	4.64E-03	1.35E-03	1.24E-03	2.59E-03	1.32E-03	1.21E-03	2.53E-03	1.30E-03	1.20E-03	2.50E-03
4627 484863.09, 3859877.25	0.03541	0.03288	5.38E-03	5.21E-03	5.07E-03	5.19E-03	4.90E-03	1.43E-03	1.32E-03	2.75E-03	1.39E-03	1.29E-03	2.68E-03	1.37E-03	1.27E-03	2.65E-03
4628 485363.09, 3859877.25	0.03817	0.03503	5.80E-03	5.55E-03	5.46E-03	5.60E-03	5.28E-03	1.54E-03	1.41E-03	2.95E-03	1.50E-03	1.38E-03	2.87E-03	1.48E-03	1.36E-03	2.84E-03
4629 485863.09, 3859877.25	0.04406	0.03801	6.69E-03	6.02E-03	6.31E-03	6.46E-03	6.09E-03	1.77E-03	1.53E-03	3.30E-03	1.73E-03	1.49E-03	3.22E-03	1.71E-03	1.47E-03	3.18E-03
4630 486363.09, 3859877.25	0.04743	0.04147	7.21E-03	6.57E-03	6.79E-03	6.95E-03	6.56E-03	1.91E-03	1.67E-03	3.58E-03	1.86E-03	1.63E-03	3.49E-03	1.84E-03	1.61E-03	3.44E-03
4631 486863.09, 3859877.25	0.05348	0.04705	8.13E-03	7.45E-03	7.66E-03	7.84E-03	7.40E-03	2.15E-03	1.89E-03	4.05E-03	2.10E-03	1.85E-03	3.95E-03	2.07E-03	1.82E-03	3.90E-03
4632 487363.09, 3859877.25	0.05823	0.05121	8.85E-03	8.11E-03	8.34E-03	8.54E-03	8.05E-03	2.34E-03	2.06E-03	4.40E-03	2.29E-03	2.01E-03	4.30E-03	2.26E-03	1.98E-03	4.24E-03
4633 487863.09, 3859877.25	0.06598	0.05931	1.00E-02	9.39E-03	9.45E-03	9.67E-03	9.13E-03	2.66E-03	2.39E-03	5.04E-03	2.59E-03	2.33E-03	4.92E-03	2.56E-03	2.30E-03	4.85E-03
4634 488363.09, 3859877.25	0.07571	0.07075	1.15E-02	1.12E-02	1.08E-02	1.11E-02	1.05E-02	3.05E-03	2.85E-03	5.89E-03	2.97E-03	2.78E-03	5.75E-03	2.93E-03	2.74E-03	5.68E-03
4635 488863.09, 3859877.25	0.09407	0.08709	1.43E-02	1.38E-02	1.35E-02	1.38E-02	1.30E-02	3.79E-03	3.50E-03	7.29E-03	3.69E-03	3.42E-03	7.11E-03	3.65E-03	3.37E-03	7.02E-03
4636 489363.09, 3859877.25	0.11804	0.11508	1.79E-02	1.82E-02	1.69E-02	1.73E-02	1.63E-02	4.75E-03	4.63E-03	9.38E-03	4.64E-03	4.52E-03	9.15E-03	4.57E-03	4.46E-03	9.03E-03
4637 489863.09, 3859877.25	0.16892	0.16943	2.57E-02	2.68E-02	2.42E-02	2.48E-02	2.34E-02	6.80E-03	6.82E-03	1.36E-02	6.63E-03	6.65E-03	1.33E-02	6.55E-03	6.57E-03	1.31E-02
4638 490363.09, 3859877.25	0.27605	0.27082	4.19E-02	4.29E-02	3.95E-02	4.05E-02	3.82E-02	1.11E-02	1.09E-02	2.20E-02	1.08E-02	1.06E-02	2.15E-02	1.07E-02	1.05E-02	2.12E-02
4639 490863.09, 3859877.25	0.80815	0.88536	1.23E-01	1.40E-01	1.16E-01	1.18E-01	1.12E-01	3.25E-02	3.56E-02	6.82E-02	3.17E-02	3.48E-02	6.65E-02	3.13E-02	3.43E-02	6.56E-02
4640 491363.09, 3859877.25	0.23593	0.23855	3.58E-02	3.78E-02	3.38E-02	3.46E-02	3.26E-02	9.49E-03	9.60E-03	1.91E-02	9.26E-03	9.37E-03	1.86E-02	9.14E-03	9.24E-03	1.84E-02
4641 491863.09, 3859877.25	0.14121	0.14238	2.15E-02	2.25E-02	2.02E-02	2.07E-02	1.95E-02	5.68E-03	5.73E-03	1.14E-02	5.55E-03	5.59E-03	1.11E-02	5.47E-03	5.52E-03	1.10E-02
4642 492363.09, 3859877.25	0.1021	0.10054	1.55E-02	1.59E-02	1.46E-02	1.50E-02	1.41E-02	4.11E-03	4.05E-03	8.15E-03	4.01E-03	3.95E-03	7.96E-03	3.96E-03	3.90E-03	7.85E-03
4643 492863.09, 3859877.25	0.07469	0.07174	1.13E-02	1.14E-02	1.07E-02	1.10E-02	1.03E-02	3.01E-03	2.89E-03	5.89E-03	2.93E-03	2.82E-03	5.75E-03	2.89E-03	2.78E-03	5.67E-03
4644 493363.09, 3859877.25	0.06295	0.05827	9.57E-03	9.23E-03	9.01E-03	9.23E-03	8.71E-03	2.53E-03	2.34E-03	4.88E-03	2.47E-03	2.29E-03	4.76E-03	2.44E-03	2.26E-03	4.70E-03
4645 493863.09, 3859877.25	0.05472	0.04986	8.31E-03	7.89E-03	7.83E-03	8.02E-03	7.57E-03	2.20E-03	2.01E-03	4.21E-03	2.15E-03	1.96E-03	4.11E-03	2.12E-03	1.93E-03	4.05E-03
4646 494363.09, 3859877.25	0.04628	0.04252	7.03E-03	6.73E-03	6.63E-03	6.79E-03	6.40E-03	1.86E-03	1.71E-03	3.57E-03	1.82E-03	1.67E-03	3.49E-03	1.79E-03	1.65E-03	3.44E-03
4647 494863.09, 3859877.25	0.04194	0.03965	6.37E-03	6.28E-03	6.00E-03	6.15E-03	5.80E-03	1.69E-03	1.60E-03	3.28E-03	1.65E-03	1.56E-03	3.20E-03	1.63E-03	1.54E-03	3.16E-03
4648 495363.09, 3859877.25	0.03659	0.03542	5.56E-03	5.61E-03	5.24E-03	5.37E-03	5.06E-03	1.47E-03	1.43E-03	2.90E-03	1.44E-03	1.39E-03	2.83E-03	1.42E-03	1.37E-03	2.79E-03
4649 495863.09, 3859877.25	0.03262	0.0314	4.96E-03	4.97E-03	4.67E-03	4.78E-03	4.51E-03	1.31E-03	1.26E-03	2.58E-03	1.28E-03	1.23E-03	2.51E-03	1.26E-03	1.22E-03	2.48E-03
4650 496363.09, 3859877.25	0.02715	0.02668	4.13E-03	4.22E-03	3.89E-03	3.98E-03	3.76E-03	1.09E-03	1.07E-03	2.17E-03	1.07E-03	1.05E-03	2.11E-03	1.05E-03	1.03E-03	2.09E-03
4651 496863.09, 3859877.25	0.01962	0.02051	2.98E-03	3.25E-03	2.81E-03	2.88E-03	2.71E-03	7.90E-04	8.25E-04	1.61E-03	7.70E-04	8.05E-04	1.58E-03	7.60E-04	7.95E-04	1.55E-03
4652 497363.09, 3859877.25	0.02269	0.02291	3.45E-03	3.63E-03	3.25E-03	3.33E-03	3.14E-03	9.13E-04	9.22E-04	1.84E-03	8.91E-04	9.00E-04	1.79E-03	8.79E-04	8.88E-04	1.77E-03
4653 497863.09, 3859877.25	0.02786	0.02774	4.23E-03	4.39E-03	3.99E-03	4.09E-03	3.85E-03	1.12E-03	1.12E-03	2.24E-03	1.09E-03	1.09E-03	2.18E-03	1.08E-03	1.07E-03	2.15E-03
4654 498363.09, 3859877.25	0.03166	0.03005	4.81E-03	4.76E-03	4.53E-03	4.64E-03	4.38E-03	1.27E-03	1.21E-03	2.48E-03	1.24E-03	1.18E-03	2.42E-03	1.23E-03	1.16E-03	2.39E-03
4655 471363.09, 3860377.25	0.01205	0.01162	1.83E-03	1.84E-03	1.73E-03	1.77E-03	1.67E-03	4.85E-04	4.68E-04	9.53E-04	4.73E-04	4.56E-04	9.30E-04	4.67E-04	4.50E-04	9.17E-04
4656 471863.09, 3860377.25	0.01226	0.01189	1.86E-03	1.88E-03	1.76E-03	1.80E-03	1.70E-03	4.93E-04	4.78E-04	9.72E-04	4.81E-04	4.67E-04	9.48E-04	4.75E-04	4.61E-04	9.36E-04
4657 472363.09, 3860377.25	0.01252	0.01239	1.90E-03	1.96E-03	1.79E-03	1.84E-03	1.73E-03	5.04E-04	4.99E-04	1.00E-03	4.92E-04	4.87E-04	9.78E-04	4.85E-04	4.80E-04	9.65E-04
4658 472863.09, 3860377.25	0.01301	0.01274	1.98E-03	2.02E-03	1.86E-03	1.91E-03	1.80E-03	5.24E-04	5.13E-04	1.04E-03	5.11E-04	5.00E-04	1.01E-03	5.04E-04	4.94E-04	9.98E-04
4659 473363.09, 3860377.25	0.01339	0.0131	2.03E-03	2.07E-03	1.92E-03	1.96E-03	1.85E-03	5.39E-04	5.27E-04	1.07E-03	5.26E-04	5.14E-04	1.04E-03	5.19E-04	5.08E-04	1.03E-03
4660 473863.09, 3860377.25	0.01362	0.0135	2.07E-03	2.14E-03	1.95E-03	2.00E-03	1.88E-03	5.48E-04	5.43E-04	1.09E-03	5.35E-04	5.30E-04	1.06E-03	5.28E-04	5.23E-04	1.05E-03
4661 474363.09, 3860377.25	0.0136	0.01353	2.07E-03	2.14E-03	1.95E-03	1.99E-03	1.88E-03	5.47E-04	5.44E-04	1.09E-03	5.34E-04	5.31E-04	1.07E-03	5.27E-04	5.24E-04	1.05E-03
4662 474863.09, 3860377.25	0.01248	0.0131	1.90E-03	2.07E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	5.27E-04	1.03E-03	4.90E-04	5.14E-04	1.00E-03	4.84E-04	5.08E-04	9.91E-04
4663 475363.09, 3860377.25	0.01139	0.01188	1.73E-03	1.88E-03	1.63E-03	1.67E-03	1.58E-03	4.58E-04	4.78E-04	9.36E-04	4.47E-04	4.67E-04	9.14E-04	4.41E-04	4.60E-04	9.02E-04
4664 475863.09, 3860377.25	0.01012	0.01064	1.54E-03	1.68E-03	1.45E-03	1.48E-03	1.40E-03	4.07E-04	4.28E-04	8.35E-04	3.97E-04	4.18E-04	8.15E-04	3.92E-04	4.12E-04	8.04E-04
4665 476363.09, 3860377.25	0.00913	0.00979	1.39E-03	1.55E-03	1.31E-03	1.34E-03	1.26E-03	3.67E-04	3.94E-04	7.61E-04	3.59E-04	3.84E-04	7.43E-04	3.54E-04	3.79E-04	7.33E-04
4666 476863.09, 3860377.25	0.00871	0.00922	1.32E-03	1.46E-03	1.25E-03	1.28E-03	1.20E-03	3.51E-04	3.71E-04	7.22E-04	3.42E-04	3.62E-04	7.04E-04	3.37E-04	3.57E-04	6.95E-04
4667 477363.09, 3860377.25	0.00729	0.00739	1.11E-03	1.17E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.97E-04	5.91E-04	2.86E-04	2.90E-04	5.76E-04	2.82E-04	2.86E-04	5.69E-04
4668 477863.09, 3860377.25	0.0077	0.00811	1.17E-03	1.28E-03	1.10E-03	1.13E-03	1.06E-03	3.10E-04	3.26E-04	6.36E-04	3.02E-04	3.18E-04	6.21E-04	2.98E-04	3.14E-04	6.13E-04
4669 478363.09, 3860377.25	0.00984	0.01037	1.50E-03	1.64E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	4.17E-04	8.13E-04	3.86E-04	4.07E-04	7.94E-04	3.81E-04	4.02E-04	7.83E-04
4670 478863.09, 3860377.25	0.01211	0.01301	1.84E-03	2.06E-03	1.73E-03	1.78E-03	1.67E-03	4.87E-04	5.24E-04	1.01E-03	4.76E-04	5.11E-04	9.86E-04	4.69E-04	5.04E-04	9.73E-04
4671 479363.09, 3860377.25	0.01563	0.01532	2.38E-03	2.43E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.17E-04	1.25E-03	6.14E-04	6.02E-04	1.22E-03	6.06E-04	5.94E-04	1.20E-03
4672 479863.09, 3860377.25	0.01718	0.01709	2.61E-03	2.71E-03	2.46E-03	2.52E-03	2.38E-03	6.91E-04	6.88E-04	1.38E-03	6.75E-04	6.71E-04	1.35E-03	6.66E-04	6.62E-04	1.33E-03
4673 480363.09, 3860377.25	0.01904	0.01849	2.89E-03	2.93E-03	2.73E-03	2.79E-03	2.63E-03	7.66E-04	7.44E-04	1.51E-03	7.48E-04	7.26E-04	1.47E-03	7.38E-04	7.16E-04	1.45E-03
4674 480863.09, 3860377.25	0.02103	0.01993	3.20E-03	3.16E-03	3.01E-03	3.08E-03	2.91E-03	8.46E-04	8.02E-04	1.65E-03	8.26E-04	7.83E-04	1.61E-03	8.15E-04	7.72E-04	1.59E-03
4675 481363.09, 3860377.25	0.02121	0.02044	3.22E-03	3.24E-03	3.04E-03	3.11E-03	2.93E-03	8.54E-04	8.23E-04	1.68E-03	8.33E-04	8.03E-04	1.64E-03	8.22E-04	7.92E-04	1.61E-03
4676 481863.09, 3860377.25	0.02189	0.02086	3.33E-03	3.30E-03	3.13E-03	3.21E-03	3.03E-03	8.81E-04	8.39E-04	1.72E-03	8.60E-04	8.19E-04	1.68E-03	8.48E-04	8.08E-04	1.66E-03
4677 482363.09, 3860377.25	0.02348	0.02232	3.57E-03	3.53E-03	3.36E-03	3.44E-03	3.25E-03	9.45E-04	8.98E-04	1.84E-03	9.22E-04	8.77E-04	1.80E-03	9.10E-04	8.65E-04	1.77E-03
4678 482863.09, 3860377.25	0.02619	0.02448	3.98E-03	3.88E-03	3.75E-03	3.84E-03	3.62E-03	1.05E-03	9.85E-04	2.04E-03	1.03E-03	9.61E-04	1.99E-03	1.01E-03	9.49E-04	1.96E-03
4679 483363.09, 3860377.25	0.02758	0.02463	4.19E-03	3.90E-03	3.95E-03	4.04E-03	3.81E-03	1.11E-03	9.91E-04	2.10E-03	1.08E-03	9.67E-04	2.05E-03	1.07E-03	9.54E-04	2.02E-03
4680 483863.09, 3860377.25	0.0272	0.02496	4.13E-03	3.95E-03	3.89E-03	3.99E-03	3.76E-03	1.09E-03	1.00E-03	2.10E-03	1.07E-03	9.80E-04	2.05E-03	1.05E-03	9.67E-04	2.02E-03
4681 484363.09, 3860377.25	0.02769	0.02602	4.21E-03	4.12E-03	3.96E-03	4.06E-03	3.83E-03	1.11E-03	1.05E-03	2.16E-03	1.09E-03	1.02E-03	2.11E-03	1.07E-03	1.01E-03	2.08E-03
4682 484863.09, 3860377.25	0.02921	0.02749	4.44E-03	4.35E-03	4.18E-03	4.28E-03	4.04E-03	1.18E-03	1.11E-03	2.28E-03	1.15E-03	1.08E-03	2.23E-03	1.13E-03	1.07E-03	2.20E-03

4683 485363.09, 3860377.25	0.0314	0.02941	4.77E-03	4.66E-03	4.50E-03	4.60E-03	4.34E-03	1.26E-03	1.18E-03	2.45E-03	1.23E-03	1.15E-03	2.39E-03	1.22E-03	1.14E-03	2.36E-03
4684 485863.09, 3860377.25	0.03739	0.03221	5.68E-03	5.10E-03	5.35E-03	5.48E-03	5.17E-03	1.50E-03	1.30E-03	2.80E-03	1.47E-03	1.26E-03	2.73E-03	1.45E-03	1.25E-03	2.70E-03
4685 486363.09, 3860377.25	0.04006	0.03691	6.09E-03	5.84E-03	5.73E-03	5.87E-03	5.54E-03	1.61E-03	1.49E-03	3.10E-03	1.57E-03	1.45E-03	3.02E-03	1.55E-03	1.43E-03	2.98E-03
4686 486863.09, 3860377.25	0.04287	0.03996	6.51E-03	6.33E-03	6.14E-03	6.29E-03	5.93E-03	1.73E-03	1.61E-03	3.33E-03	1.68E-03	1.57E-03	3.25E-03	1.66E-03	1.55E-03	3.21E-03
4687 487363.09, 3860377.25	0.04836	0.04339	7.35E-03	6.87E-03	6.92E-03	7.09E-03	6.69E-03	1.95E-03	1.75E-03	3.69E-03	1.90E-03	1.70E-03	3.60E-03	1.87E-03	1.68E-03	3.56E-03
4688 487863.09, 3860377.25	0.05235	0.04785	7.95E-03	7.58E-03	7.49E-03	7.68E-03	7.24E-03	2.11E-03	1.93E-03	4.03E-03	2.06E-03	1.88E-03	3.93E-03	2.03E-03	1.85E-03	3.88E-03
4689 488363.09, 3860377.25	0.05545	0.05285	8.43E-03	8.37E-03	7.94E-03	8.13E-03	7.67E-03	2.23E-03	2.13E-03	4.36E-03	2.18E-03	2.08E-03	4.25E-03	2.15E-03	2.05E-03	4.20E-03
4690 488863.09, 3860377.25	0.06393	0.05824	9.71E-03	9.22E-03	9.15E-03	9.37E-03	8.84E-03	2.57E-03	2.34E-03	4.92E-03	2.51E-03	2.29E-03	4.80E-03	2.48E-03	2.26E-03	4.73E-03
4691 489363.09, 3860377.25	0.07568	0.07187	1.15E-02	1.14E-02	1.08E-02	1.11E-02	1.05E-02	3.05E-03	2.89E-03	5.94E-03	2.97E-03	2.82E-03	5.79E-03	2.93E-03	2.78E-03	5.72E-03
4692 489863.09, 3860377.25	0.08782	0.08557	1.33E-02	1.35E-02	1.26E-02	1.29E-02	1.21E-02	3.53E-03	3.44E-03	6.98E-03	3.45E-03	3.36E-03	6.81E-03	3.40E-03	3.32E-03	6.72E-03
4693 490363.09, 3860377.25	0.10826	0.10724	1.65E-02	1.70E-02	1.55E-02	1.59E-02	1.50E-02	4.36E-03	4.32E-03	8.67E-03	4.25E-03	4.21E-03	8.46E-03	4.19E-03	4.16E-03	8.35E-03
4694 490863.09, 3860377.25	0.14273	0.14411	2.17E-02	2.28E-02	2.04E-02	2.09E-02	1.97E-02	5.74E-03	5.80E-03	1.15E-02	5.60E-03	5.66E-03	1.13E-02	5.53E-03	5.58E-03	1.11E-02
4695 491363.09, 3860377.25	0.32585	0.3164	4.95E-02	5.01E-02	4.66E-02	4.78E-02	4.51E-02	1.31E-02	1.27E-02	2.58E-02	1.28E-02	1.24E-02	2.52E-02	1.26E-02	1.23E-02	2.49E-02
4696 491863.09, 3860377.25	0.29861	0.3014	4.54E-02	4.77E-02	4.27E-02	4.38E-02	4.13E-02	1.20E-02	1.21E-02	2.41E-02	1.17E-02	1.18E-02	2.36E-02	1.16E-02	1.17E-02	2.32E-02
4697 492363.09, 3860377.25	0.15351	0.15887	2.33E-02	2.52E-02	2.20E-02	2.25E-02	2.12E-02	6.18E-03	6.39E-03	1.26E-02	6.03E-03	6.24E-03	1.23E-02	5.95E-03	6.16E-03	1.21E-02
4698 492863.09, 3860377.25	0.11626	0.11896	1.77E-02	1.88E-02	1.66E-02	1.70E-02	1.61E-02	4.68E-03	4.79E-03	9.47E-03	4.57E-03	4.67E-03	9.24E-03	4.50E-03	4.61E-03	9.11E-03
4699 493363.09, 3860377.25	0.08322	0.08209	1.26E-02	1.30E-02	1.19E-02	1.22E-02	1.15E-02	3.35E-03	3.30E-03	6.65E-03	3.27E-03	3.22E-03	6.49E-03	3.22E-03	3.18E-03	6.41E-03
4700 493863.09, 3860377.25	0.0765	0.07787	1.16E-02	1.23E-02	1.10E-02	1.12E-02	1.06E-02	3.08E-03	3.13E-03	6.21E-03	3.00E-03	3.06E-03	6.06E-03	2.96E-03	3.02E-03	5.98E-03
4701 494363.09, 3860377.25	0.06258	0.06293	9.51E-03	9.96E-03	8.96E-03	9.18E-03	8.66E-03	2.52E-03	2.53E-03	5.05E-03	2.46E-03	2.47E-03	4.93E-03	2.42E-03	2.44E-03	4.86E-03
4702 494863.09, 3860377.25	0.06063	0.06001	9.21E-03	9.50E-03	8.68E-03	8.89E-03	8.39E-03	2.44E-03	2.41E-03	4.85E-03	2.38E-03	2.36E-03	4.74E-03	2.35E-03	2.33E-03	4.67E-03
4703 495363.09, 3860377.25	0.05254	0.05056	7.98E-03	8.01E-03	7.52E-03	7.70E-03	7.27E-03	2.11E-03	2.03E-03	4.15E-03	2.06E-03	1.99E-03	4.05E-03	2.04E-03	1.96E-03	3.99E-03
4704 495863.09, 3860377.25	0.04383	0.04012	6.66E-03	6.35E-03	6.27E-03	6.43E-03	6.06E-03	1.76E-03	1.61E-03	3.38E-03	1.72E-03	1.58E-03	3.30E-03	1.70E-03	1.55E-03	3.25E-03
4705 496363.09, 3860377.25	0.03436	0.03418	5.22E-03	5.41E-03	4.92E-03	5.04E-03	4.75E-03	1.38E-03	1.38E-03	2.76E-03	1.35E-03	1.34E-03	2.69E-03	1.33E-03	1.32E-03	2.66E-03
4706 496863.09, 3860377.25	0.02916	0.02866	4.43E-03	4.54E-03	4.17E-03	4.28E-03	4.03E-03	1.17E-03	1.15E-03	2.33E-03	1.15E-03	1.13E-03	2.27E-03	1.13E-03	1.11E-03	2.24E-03
4707 497363.09, 3860377.25	0.02387	0.02404	3.63E-03	3.81E-03	3.42E-03	3.50E-03	3.30E-03	9.61E-04	9.67E-04	1.93E-03	9.37E-04	9.44E-04	1.88E-03	9.25E-04	9.32E-04	1.86E-03
4708 497863.09, 3860377.25	0.02916	0.02807	4.43E-03	4.44E-03	4.17E-03	4.28E-03	4.03E-03	1.17E-03	1.13E-03	2.30E-03	1.15E-03	1.10E-03	2.25E-03	1.13E-03	1.09E-03	2.22E-03
4709 498363.09, 3860377.25	0.03374	0.03223	5.13E-03	5.10E-03	4.83E-03	4.95E-03	4.67E-03	1.36E-03	1.30E-03	2.65E-03	1.32E-03	1.27E-03	2.59E-03	1.31E-03	1.25E-03	2.56E-03
4710 471363.09, 3860877.25	0.01225	0.01196	1.86E-03	1.89E-03	1.75E-03	1.80E-03	1.69E-03	4.93E-04	4.81E-04	9.74E-04	4.81E-04	4.70E-04	9.51E-04	4.75E-04	4.63E-04	9.38E-04
4711 471863.09, 3860877.25	0.01242	0.01218	1.89E-03	1.93E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	4.90E-04	9.90E-04	4.88E-04	4.78E-04	9.66E-04	4.81E-04	4.72E-04	9.53E-04
4712 472363.09, 3860877.25	0.01264	0.01257	1.92E-03	1.99E-03	1.81E-03	1.85E-03	1.75E-03	5.09E-04	5.06E-04	1.01E-03	4.96E-04	4.94E-04	9.90E-04	4.90E-04	4.87E-04	9.77E-04
4713 472863.09, 3860877.25	0.01308	0.01305	1.99E-03	2.07E-03	1.87E-03	1.92E-03	1.81E-03	5.26E-04	5.25E-04	1.05E-03	5.14E-04	5.12E-04	1.03E-03	5.07E-04	5.06E-04	1.01E-03
4714 473363.09, 3860877.25	0.01338	0.01331	2.03E-03	2.11E-03	1.92E-03	1.96E-03	1.85E-03	5.38E-04	5.36E-04	1.07E-03	5.25E-04	5.23E-04	1.05E-03	5.18E-04	5.16E-04	1.03E-03
4715 473863.09, 3860877.25	0.01358	0.01347	2.06E-03	2.13E-03	1.94E-03	1.99E-03	1.88E-03	5.47E-04	5.42E-04	1.09E-03	5.33E-04	5.29E-04	1.06E-03	5.26E-04	5.22E-04	1.05E-03
4716 474363.09, 3860877.25	0.01369	0.01359	2.08E-03	2.15E-03	1.96E-03	2.01E-03	1.89E-03	5.51E-04	5.47E-04	1.10E-03	5.38E-04	5.34E-04	1.07E-03	5.30E-04	5.27E-04	1.06E-03
4717 474863.09, 3860877.25	0.01388	0.01374	2.11E-03	2.18E-03	1.99E-03	2.04E-03	1.92E-03	5.59E-04	5.53E-04	1.11E-03	5.45E-04	5.40E-04	1.08E-03	5.38E-04	5.32E-04	1.07E-03
4718 475363.09, 3860877.25	0.01379	0.01369	2.10E-03	2.17E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	5.51E-04	1.11E-03	5.42E-04	5.38E-04	1.08E-03	5.34E-04	5.30E-04	1.06E-03
4719 475863.09, 3860877.25	0.01256	0.01281	1.91E-03	2.03E-03	1.80E-03	1.84E-03	1.74E-03	5.05E-04	5.16E-04	1.02E-03	4.93E-04	5.03E-04	9.96E-04	4.87E-04	4.96E-04	9.83E-04
4720 476363.09, 3860877.25	0.01146	0.01174	1.74E-03	1.86E-03	1.64E-03	1.68E-03	1.58E-03	4.61E-04	4.72E-04	9.34E-04	4.50E-04	4.61E-04	9.11E-04	4.44E-04	4.55E-04	8.99E-04
4721 476863.09, 3860877.25	0.01087	0.01162	1.65E-03	1.84E-03	1.56E-03	1.59E-03	1.50E-03	4.37E-04	4.68E-04	9.05E-04	4.27E-04	4.56E-04	8.83E-04	4.21E-04	4.50E-04	8.71E-04
4722 477363.09, 3860877.25	0.01083	0.01168	1.65E-03	1.85E-03	1.55E-03	1.59E-03	1.50E-03	4.36E-04	4.70E-04	9.06E-04	4.25E-04	4.59E-04	8.84E-04	4.20E-04	4.53E-04	8.72E-04
4723 477863.09, 3860877.25	0.00997	0.01055	1.51E-03	1.67E-03	1.43E-03	1.46E-03	1.38E-03	4.01E-04	4.25E-04	8.26E-04	3.92E-04	4.14E-04	8.06E-04	3.86E-04	4.09E-04	7.95E-04
4724 478363.09, 3860877.25	0.0083	0.0083	1.26E-03	1.31E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.34E-04	6.68E-04	3.26E-04	3.26E-04	6.52E-04	3.22E-04	3.22E-04	6.43E-04
4725 478863.09, 3860877.25	0.01169	0.01199	1.78E-03	1.90E-03	1.67E-03	1.71E-03	1.62E-03	4.70E-04	4.83E-04	9.53E-04	4.59E-04	4.71E-04	9.30E-04	4.53E-04	4.65E-04	9.18E-04
4726 479363.09, 3860877.25	0.01506	0.01506	2.29E-03	2.38E-03	2.16E-03	2.21E-03	2.08E-03	6.06E-04	6.06E-04	1.21E-03	5.91E-04	5.91E-04	1.18E-03	5.84E-04	5.84E-04	1.17E-03
4727 479863.09, 3860877.25	0.01698	0.01701	2.58E-03	2.69E-03	2.43E-03	2.49E-03	2.35E-03	6.83E-04	6.85E-04	1.37E-03	6.67E-04	6.68E-04	1.33E-03	6.58E-04	6.59E-04	1.32E-03
4728 480363.09, 3860877.25	0.01833	0.01809	2.79E-03	2.86E-03	2.62E-03	2.69E-03	2.54E-03	7.38E-04	7.28E-04	1.47E-03	7.20E-04	7.10E-04	1.43E-03	7.10E-04	7.01E-04	1.41E-03
4729 480863.09, 3860877.25	0.01958	0.01904	2.98E-03	3.01E-03	2.80E-03	2.87E-03	2.71E-03	7.88E-04	7.66E-04	1.55E-03	7.69E-04	7.48E-04	1.52E-03	7.59E-04	7.38E-04	1.50E-03
4730 481363.09, 3860877.25	0.02033	0.01999	3.09E-03	3.17E-03	2.91E-03	2.98E-03	2.81E-03	8.18E-04	8.04E-04	1.62E-03	7.98E-04	7.85E-04	1.58E-03	7.88E-04	7.75E-04	1.56E-03
4731 481863.09, 3860877.25	0.02085	0.02044	3.17E-03	3.24E-03	2.98E-03	3.06E-03	2.88E-03	8.39E-04	8.23E-04	1.66E-03	8.19E-04	8.03E-04	1.62E-03	8.08E-04	7.92E-04	1.60E-03
4732 482363.09, 3860877.25	0.02225	0.02102	3.38E-03	3.33E-03	3.19E-03	3.26E-03	3.08E-03	8.95E-04	8.46E-04	1.74E-03	8.74E-04	8.25E-04	1.70E-03	8.62E-04	8.14E-04	1.68E-03
4733 482863.09, 3860877.25	0.02407	0.02244	3.66E-03	3.55E-03	3.45E-03	3.53E-03	3.33E-03	9.69E-04	9.03E-04	1.87E-03	9.45E-04	8.81E-04	1.83E-03	9.33E-04	8.70E-04	1.80E-03
4734 483363.09, 3860877.25	0.02525	0.02304	3.84E-03	3.65E-03	3.61E-03	3.70E-03	3.49E-03	1.02E-03	9.27E-04	1.94E-03	9.92E-04	9.05E-04	1.90E-03	9.78E-04	8.93E-04	1.87E-03
4735 483863.09, 3860877.25	0.02439	0.02313	3.71E-03	3.66E-03	3.49E-03	3.58E-03	3.37E-03	9.82E-04	9.31E-04	1.91E-03	9.58E-04	9.08E-04	1.87E-03	9.45E-04	8.96E-04	1.84E-03
4736 484363.09, 3860877.25	0.02527	0.02375	3.84E-03	3.76E-03	3.62E-03	3.71E-03	3.50E-03	1.02E-03	9.56E-04	1.97E-03	9.92E-04	9.33E-04	1.93E-03	9.79E-04	9.20E-04	1.90E-03
4737 484863.09, 3860877.25	0.02598	0.0245	3.95E-03	3.88E-03	3.72E-03	3.81E-03	3.59E-03	1.05E-03	9.86E-04	2.03E-03	1.02E-03	9.62E-04	1.98E-03	1.01E-03	9.49E-04	1.96E-03
4738 485363.09, 3860877.25	0.02725	0.02546	4.14E-03	4.03E-03	3.90E-03	4.00E-03	3.77E-03	1.10E-03	1.02E-03	2.12E-03	1.07E-03	1.00E-03	2.07E-03	1.06E-03	9.87E-04	2.04E-03
4739 485863.09, 3860877.25	0.02958	0.02736	4.49E-03	4.33E-03	4.23E-03	4.34E-03	4.09E-03	1.19E-03	1.10E-03	2.29E-03	1.16E-03	1.07E-03	2.24E-03	1.15E-03	1.06E-03	2.21E-03
4740 486363.09, 3860877.25	0.03627	0.03069	5.51E-03	4.86E-03	5.19E-03	5.32E-03	5.02E-03	1.46E-03	1.24E-03	2.69E-03	1.42E-03	1.21E-03	2.63E-03	1.41E-03	1.19E-03	2.59E-03
4741 486863.09, 3860877.25	0.03861	0.03516	5.87E-03	5.57E-03	5.53E-03	5.66E-03	5.34E-03	1.55E-03	1.41E-03	2.97E-03	1.52E-03	1.38E-03	2.90E-03	1.50E-03	1.36E-03	2.86E-03
4742 487363.09, 3860877.25	0.03927	0.03738	5.97E-03	5.92E-03	5.62E-03	5.76E-03	5.43E-03	1.58E-03	1.50E-03	3.08E-03	1.54E-03	1.47E-03	3.01E-03	1.52E-03	1.45E-03	2.97E-03
4743 487863.09, 3860877.25	0.0434	0.0383	6.59E-03	6.06E-03	6.21E-03	6.36E-03	6.00E-03	1.75E-03	1.54E-03	3.29E-03	1.70E-03	1.50E-03	3.21E-03	1.68E-03	1.48E-03	3.17E-03
4744 488363.09, 3860877.25	0.04771	0.04389	7.25E-03	6.95E-03	6.83E-03	7.00E-03	6.60E-03	1.92E-03	1.77E-03	3.69E-03	1.87E-03	1.72E-03	3.60E-03	1.85E-03	1.70E-03	3.55E-03
4745 488863.09, 3860877.25	0.0489	0.04767	7.43E-03	7.55E-03	7.00E-03	7.17E-03	6.76E-03	1.97E-03	1.92E-03	3.89E-03	1.92E-03	1.87E-03	3.79E-03	1.89E-03	1.85E-03	3.74E-03
4746 489363.09, 3860877.25	0.05592	0.05434	8.50E-03	8.60E-03	8.01E-03	8.20E-03	7.73E-03	2.25E-03	2.19E-03	4.44E-03	2.20E-03	2.13E-03	4.33E-03	2.17E-03	2.11E-03	4.27E-03
4747 489863.09, 3860877.25	0.0646	0.06116	9.82E-03	9.68E-03	9.25E-03	9.47E-03	8.93E-03	2.60E-03	2.46E-03	5.06E-03	2.54E-03	2.40E-03	4.94E-03	2.50E-03	2.37E-03	4.87E-03
4748 490363.09, 3860877.25	0.07397	0.06892	1.12E-02	1.09E-02	1.06E-02	1.08E-02	1.02E-02	2.98E-03	2.77E-03	5.75E-03	2.90E-03	2.71E-03	5.61E-03	2.87E-03	2.67E-03	5.54E-03

4749 490863.09, 3860877.25	0.08892	0.08875	1.35E-02	1.41E-02	1.27E-02	1.30E-02	1.23E-02	3.58E-03	3.57E-03	7.15E-03	3.49E-03	3.49E-03	6.98E-03	3.45E-03	3.44E-03	6.88E-03
4750 491363.09, 3860877.25	0.11496	0.11691	1.75E-02	1.85E-02	1.65E-02	1.69E-02	1.59E-02	4.63E-03	4.70E-03	9.33E-03	4.51E-03	4.59E-03	9.11E-03	4.45E-03	4.53E-03	8.98E-03
4751 491863.09, 3860877.25	0.21934	0.21424	3.33E-02	3.39E-02	3.14E-02	3.22E-02	3.03E-02	8.83E-03	8.62E-03	1.74E-02	8.61E-03	8.41E-03	1.70E-02	8.50E-03	8.30E-03	1.68E-02
4752 492363.09, 3860877.25	0.4003	0.40231	6.08E-02	6.37E-02	5.73E-02	5.87E-02	5.54E-02	1.61E-02	1.62E-02	3.23E-02	1.57E-02	1.58E-02	3.15E-02	1.55E-02	1.56E-02	3.11E-02
4753 492863.09, 3860877.25	0.18532	0.18478	2.82E-02	2.93E-02	2.65E-02	2.72E-02	2.56E-02	7.46E-03	7.44E-03	1.49E-02	7.28E-03	7.26E-03	1.45E-02	7.18E-03	7.16E-03	1.43E-02
4754 493363.09, 3860877.25	0.13815	0.1387	2.10E-02	2.20E-02	1.98E-02	2.03E-02	1.91E-02	5.56E-03	5.58E-03	1.11E-02	5.43E-03	5.45E-03	1.09E-02	5.35E-03	5.37E-03	1.07E-02
4755 493863.09, 3860877.25	0.11588	0.11239	1.76E-02	1.78E-02	1.66E-02	1.70E-02	1.60E-02	4.66E-03	4.52E-03	9.19E-03	4.55E-03	4.41E-03	8.96E-03	4.49E-03	4.35E-03	8.85E-03
4756 494363.09, 3860877.25	0.09672	0.09733	1.47E-02	1.54E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	3.92E-03	7.81E-03	3.80E-03	3.82E-03	7.62E-03	3.75E-03	3.77E-03	7.52E-03
4757 494863.09, 3860877.25	0.08233	0.08332	1.25E-02	1.32E-02	1.18E-02	1.21E-02	1.14E-02	3.31E-03	3.35E-03	6.67E-03	3.23E-03	3.27E-03	6.51E-03	3.19E-03	3.23E-03	6.42E-03
4758 495363.09, 3860877.25	0.0722	0.07134	1.10E-02	1.13E-02	1.03E-02	1.06E-02	9.99E-03	2.91E-03	2.87E-03	5.78E-03	2.84E-03	2.80E-03	5.64E-03	2.80E-03	2.76E-03	5.56E-03
4759 495863.09, 3860877.25	0.06617	0.06451	1.01E-02	1.02E-02	9.47E-03	9.70E-03	9.15E-03	2.66E-03	2.60E-03	5.26E-03	2.60E-03	2.53E-03	5.13E-03	2.56E-03	2.50E-03	5.06E-03
4760 496363.09, 3860877.25	0.05545	0.05469	8.43E-03	8.66E-03	7.94E-03	8.13E-03	7.67E-03	2.23E-03	2.20E-03	4.43E-03	2.18E-03	2.15E-03	4.33E-03	2.15E-03	2.12E-03	4.27E-03
4761 496863.09, 3860877.25	0.04005	0.03956	6.09E-03	6.26E-03	5.73E-03	5.87E-03	5.54E-03	1.61E-03	1.59E-03	3.20E-03	1.57E-03	1.55E-03	3.13E-03	1.55E-03	1.53E-03	3.08E-03
4762 497363.09, 3860877.25	0.03773	0.03723	5.73E-03	5.89E-03	5.40E-03	5.53E-03	5.22E-03	1.52E-03	1.50E-03	3.02E-03	1.48E-03	1.46E-03	2.94E-03	1.46E-03	1.44E-03	2.90E-03
4763 497863.09, 3860877.25	0.03376	0.03328	5.13E-03	5.27E-03	4.83E-03	4.95E-03	4.67E-03	1.36E-03	1.34E-03	2.70E-03	1.33E-03	1.31E-03	2.63E-03	1.31E-03	1.29E-03	2.60E-03
4764 498363.09, 3860877.25	0.03811	0.03663	5.79E-03	5.80E-03	5.46E-03	5.59E-03	5.27E-03	1.53E-03	1.47E-03	3.01E-03	1.50E-03	1.44E-03	2.94E-03	1.48E-03	1.42E-03	2.90E-03
4765 471363.09, 3861377.25	0.01256	0.01231	1.91E-03	1.95E-03	1.80E-03	1.84E-03	1.74E-03	5.05E-04	4.95E-04	1.00E-03	4.93E-04	4.83E-04	9.77E-04	4.87E-04	4.77E-04	9.64E-04
4766 471863.09, 3861377.25	0.01276	0.01251	1.94E-03	1.98E-03	1.83E-03	1.87E-03	1.76E-03	5.14E-04	5.03E-04	1.02E-03	5.01E-04	4.91E-04	9.92E-04	4.94E-04	4.85E-04	9.79E-04
4767 472363.09, 3861377.25	0.013	0.01278	1.98E-03	2.02E-03	1.86E-03	1.91E-03	1.80E-03	5.23E-04	5.14E-04	1.04E-03	5.11E-04	5.02E-04	1.01E-03	5.04E-04	4.95E-04	9.99E-04
4768 472863.09, 3861377.25	0.01344	0.01323	2.04E-03	2.09E-03	1.92E-03	1.97E-03	1.86E-03	5.41E-04	5.32E-04	1.07E-03	5.28E-04	5.20E-04	1.05E-03	5.21E-04	5.13E-04	1.03E-03
4769 473363.09, 3861377.25	0.0138	0.01351	2.10E-03	2.14E-03	1.98E-03	2.02E-03	1.91E-03	5.55E-04	5.44E-04	1.10E-03	5.42E-04	5.31E-04	1.07E-03	5.35E-04	5.23E-04	1.06E-03
4770 473863.09, 3861377.25	0.01402	0.01381	2.13E-03	2.19E-03	2.01E-03	2.06E-03	1.94E-03	5.64E-04	5.56E-04	1.12E-03	5.51E-04	5.42E-04	1.09E-03	5.43E-04	5.35E-04	1.08E-03
4771 474363.09, 3861377.25	0.01432	0.01395	2.18E-03	2.21E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	5.61E-04	1.14E-03	5.62E-04	5.48E-04	1.11E-03	5.55E-04	5.41E-04	1.10E-03
4772 474863.09, 3861377.25	0.01436	0.01407	2.18E-03	2.23E-03	2.06E-03	2.11E-03	1.99E-03	5.78E-04	5.66E-04	1.14E-03	5.64E-04	5.53E-04	1.12E-03	5.56E-04	5.45E-04	1.10E-03
4773 475363.09, 3861377.25	0.01462	0.01422	2.22E-03	2.25E-03	2.09E-03	2.14E-03	2.02E-03	5.88E-04	5.72E-04	1.16E-03	5.74E-04	5.58E-04	1.13E-03	5.67E-04	5.51E-04	1.12E-03
4774 475863.09, 3861377.25	0.01454	0.01423	2.21E-03	2.25E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	5.73E-04	1.16E-03	5.71E-04	5.59E-04	1.13E-03	5.63E-04	5.51E-04	1.11E-03
4775 476363.09, 3861377.25	0.01381	0.01412	2.10E-03	2.24E-03	1.98E-03	2.02E-03	1.91E-03	5.56E-04	5.68E-04	1.12E-03	5.42E-04	5.54E-04	1.10E-03	5.35E-04	5.47E-04	1.08E-03
4776 476863.09, 3861377.25	0.01361	0.01423	2.07E-03	2.25E-03	1.95E-03	2.00E-03	1.88E-03	5.48E-04	5.73E-04	1.12E-03	5.34E-04	5.59E-04	1.09E-03	5.27E-04	5.51E-04	1.08E-03
4777 477363.09, 3861377.25	0.01306	0.01377	1.98E-03	2.18E-03	1.87E-03	1.91E-03	1.81E-03	5.26E-04	5.54E-04	1.08E-03	5.13E-04	5.41E-04	1.05E-03	5.06E-04	5.34E-04	1.04E-03
4778 477863.09, 3861377.25	0.01151	0.01153	1.75E-03	1.83E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	4.64E-04	9.27E-04	4.52E-04	4.53E-04	9.05E-04	4.46E-04	4.47E-04	8.93E-04
4779 478363.09, 3861377.25	0.0089	0.00904	1.35E-03	1.43E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.64E-04	7.22E-04	3.50E-04	3.55E-04	7.05E-04	3.45E-04	3.50E-04	6.95E-04
4780 478863.09, 3861377.25	0.00963	0.00979	1.46E-03	1.55E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.94E-04	7.82E-04	3.78E-04	3.84E-04	7.63E-04	3.73E-04	3.79E-04	7.52E-04
4781 479363.09, 3861377.25	0.01373	0.01404	2.09E-03	2.22E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	5.65E-04	1.12E-03	5.39E-04	5.51E-04	1.09E-03	5.32E-04	5.44E-04	1.08E-03
4782 479863.09, 3861377.25	0.01568	0.01539	2.38E-03	2.44E-03	2.24E-03	2.30E-03	2.17E-03	6.31E-04	6.19E-04	1.25E-03	6.16E-04	6.04E-04	1.22E-03	6.08E-04	5.96E-04	1.20E-03
4783 480363.09, 3861377.25	0.01695	0.01684	2.58E-03	2.67E-03	2.43E-03	2.49E-03	2.34E-03	6.82E-04	6.78E-04	1.36E-03	6.66E-04	6.61E-04	1.33E-03	6.57E-04	6.53E-04	1.31E-03
4784 480863.09, 3861377.25	0.01798	0.01773	2.73E-03	2.81E-03	2.57E-03	2.64E-03	2.49E-03	7.24E-04	7.14E-04	1.44E-03	7.06E-04	6.96E-04	1.40E-03	6.97E-04	6.87E-04	1.38E-03
4785 481363.09, 3861377.25	0.01866	0.01835	2.84E-03	2.91E-03	2.67E-03	2.74E-03	2.58E-03	7.51E-04	7.38E-04	1.49E-03	7.33E-04	7.21E-04	1.45E-03	7.23E-04	7.11E-04	1.43E-03
4786 481863.09, 3861377.25	0.01976	0.01875	3.00E-03	2.97E-03	2.83E-03	2.90E-03	2.73E-03	7.95E-04	7.55E-04	1.55E-03	7.76E-04	7.36E-04	1.51E-03	7.66E-04	7.27E-04	1.49E-03
4787 482363.09, 3861377.25	0.02087	0.01952	3.17E-03	3.09E-03	2.99E-03	3.06E-03	2.89E-03	8.40E-04	7.86E-04	1.63E-03	8.20E-04	7.67E-04	1.59E-03	8.09E-04	7.56E-04	1.57E-03
4788 482863.09, 3861377.25	0.0222	0.02063	3.37E-03	3.27E-03	3.18E-03	3.26E-03	3.07E-03	8.93E-04	8.30E-04	1.72E-03	8.72E-04	8.10E-04	1.68E-03	8.60E-04	7.99E-04	1.66E-03
4789 483363.09, 3861377.25	0.02384	0.02161	3.62E-03	3.42E-03	3.41E-03	3.50E-03	3.30E-03	9.59E-04	8.70E-04	1.83E-03	9.36E-04	8.49E-04	1.78E-03	9.24E-04	8.37E-04	1.76E-03
4790 483863.09, 3861377.25	0.02317	0.02164	3.52E-03	3.43E-03	3.32E-03	3.40E-03	3.20E-03	9.32E-04	8.71E-04	1.80E-03	9.10E-04	8.50E-04	1.76E-03	8.98E-04	8.39E-04	1.74E-03
4791 484363.09, 3861377.25	0.02353	0.02226	3.58E-03	3.52E-03	3.37E-03	3.45E-03	3.25E-03	9.47E-04	8.96E-04	1.84E-03	9.24E-04	8.74E-04	1.80E-03	9.12E-04	8.63E-04	1.77E-03
4792 484863.09, 3861377.25	0.02444	0.0234	3.71E-03	3.70E-03	3.50E-03	3.58E-03	3.38E-03	9.84E-04	9.42E-04	1.93E-03	9.60E-04	9.19E-04	1.88E-03	9.47E-04	9.07E-04	1.85E-03
4793 485363.09, 3861377.25	0.02538	0.02442	3.86E-03	3.87E-03	3.63E-03	3.72E-03	3.51E-03	1.02E-03	9.83E-04	2.00E-03	9.97E-04	9.59E-04	1.96E-03	9.83E-04	9.46E-04	1.93E-03
4794 485863.09, 3861377.25	0.02769	0.02661	4.21E-03	4.21E-03	3.96E-03	4.06E-03	3.83E-03	1.11E-03	1.07E-03	2.19E-03	1.09E-03	1.04E-03	2.13E-03	1.07E-03	1.03E-03	2.10E-03
4795 486363.09, 3861377.25	0.03216	0.02888	4.89E-03	4.57E-03	4.60E-03	4.72E-03	4.45E-03	1.29E-03	1.16E-03	2.46E-03	1.26E-03	1.13E-03	2.40E-03	1.25E-03	1.12E-03	2.37E-03
4796 486863.09, 3861377.25	0.03446	0.0323	5.24E-03	5.11E-03	4.93E-03	5.05E-03	4.77E-03	1.39E-03	1.30E-03	2.69E-03	1.35E-03	1.27E-03	2.62E-03	1.34E-03	1.25E-03	2.59E-03
4797 487363.09, 3861377.25	0.03659	0.03463	5.56E-03	5.48E-03	5.24E-03	5.37E-03	5.06E-03	1.47E-03	1.39E-03	2.87E-03	1.44E-03	1.36E-03	2.80E-03	1.42E-03	1.34E-03	2.76E-03
4798 487863.09, 3861377.25	0.03821	0.03596	5.81E-03	5.69E-03	5.47E-03	5.60E-03	5.28E-03	1.54E-03	1.45E-03	2.98E-03	1.50E-03	1.41E-03	2.91E-03	1.48E-03	1.39E-03	2.87E-03
4799 488363.09, 3861377.25	0.04131	0.0386	6.28E-03	6.11E-03	5.91E-03	6.06E-03	5.71E-03	1.66E-03	1.55E-03	3.22E-03	1.62E-03	1.52E-03	3.14E-03	1.60E-03	1.50E-03	3.10E-03
4800 488863.09, 3861377.25	0.04415	0.04266	6.71E-03	6.75E-03	6.32E-03	6.47E-03	6.11E-03	1.78E-03	1.72E-03	3.49E-03	1.73E-03	1.68E-03	3.41E-03	1.71E-03	1.65E-03	3.36E-03
4801 489363.09, 3861377.25	0.04756	0.04681	7.23E-03	7.41E-03	6.81E-03	6.97E-03	6.58E-03	1.91E-03	1.88E-03	3.80E-03	1.87E-03	1.84E-03	3.71E-03	1.84E-03	1.81E-03	3.66E-03
4802 489863.09, 3861377.25	0.0523	0.05317	7.95E-03	8.42E-03	7.49E-03	7.67E-03	7.23E-03	2.10E-03	2.14E-03	4.24E-03	2.05E-03	2.09E-03	4.14E-03	2.03E-03	2.06E-03	4.09E-03
4803 490363.09, 3861377.25	0.05873	0.05928	8.92E-03	9.39E-03	8.41E-03	8.61E-03	8.12E-03	2.36E-03	2.39E-03	4.75E-03	2.31E-03	2.33E-03	4.63E-03	2.28E-03	2.30E-03	4.57E-03
4804 490863.09, 3861377.25	0.06702	0.06655	1.02E-02	1.05E-02	9.59E-03	9.83E-03	9.27E-03	2.70E-03	2.68E-03	5.38E-03	2.63E-03	2.61E-03	5.25E-03	2.60E-03	2.58E-03	5.18E-03
4805 491363.09, 3861377.25	0.08448	0.08223	1.28E-02	1.30E-02	1.21E-02	1.24E-02	1.17E-02	3.40E-03	3.31E-03	6.71E-03	3.32E-03	3.23E-03	6.55E-03	3.27E-03	3.19E-03	6.46E-03
4806 491863.09, 3861377.25	0.10546	0.10509	1.60E-02	1.66E-02	1.51E-02	1.55E-02	1.46E-02	4.24E-03	4.23E-03	8.47E-03	4.14E-03	4.13E-03	8.27E-03	4.09E-03	4.07E-03	8.16E-03
4807 492363.09, 3861377.25	0.15418	0.16677	2.34E-02	2.64E-02	2.21E-02	2.26E-02	2.13E-02	6.20E-03	6.71E-03	1.29E-02	6.05E-03	6.55E-03	1.26E-02	5.97E-03	6.46E-03	1.24E-02
4808 492863.09, 3861377.25	0.38486	0.37974	5.85E-02	6.01E-02	5.51E-02	5.64E-02	5.32E-02	1.55E-02	1.53E-02	3.08E-02	1.51E-02	1.49E-02	3.00E-02	1.49E-02	1.47E-02	2.96E-02
4809 493363.09, 3861377.25	0.77516	0.7337	1.18E-01	1.16E-01	1.11E-01	1.14E-01	1.07E-01	3.12E-02	2.95E-02	6.07E-02	3.04E-02	2.88E-02	5.93E-02	3.00E-02	2.84E-02	5.85E-02
4810 493863.09, 3861377.25	0.32544	0.32543	4.95E-02	5.15E-02	4.66E-02	4.77E-02	4.50E-02	1.31E-02	1.31E-02	2.62E-02	1.28E-02	1.28E-02	2.56E-02	1.26E-02	1.26E-02	2.52E-02
4811 494363.09, 3861377.25	0.22475	0.22359	3.42E-02	3.54E-02	3.22E-02	3.30E-02	3.11E-02	9.04E-03	9.00E-03	1.80E-02	8.83E-03	8.78E-03	1.76E-02	8.71E-03	8.66E-03	1.74E-02
4812 494863.09, 3861377.25	0.17327	0.17472	2.63E-02	2.77E-02	2.48E-02	2.54E-02	2.40E-02	6.97E-03	7.03E-03	1.40E-02	6.80E-03	6.86E-03	1.37E-02	6.71E-03	6.77E-03	1.35E-02
4813 495363.09, 3861377.25	0.14411	0.14234	2.19E-02	2.25E-02	2.06E-02	2.11E-02	1.99E-02	5.80E-03	5.73E-03	1.15E-02	5.66E-03	5.59E-03	1.12E-02	5.58E-03	5.52E-03	1.11E-02
4814 495863.09, 3861377.25	0.12425	0.12308	1.89E-02	1.95E-02	1.78E-02	1.82E-02	1.72E-02	5.00E-03	4.95E-03	9.95E-03	4.88E-03	4.83E-03	9.71E-03	4.81E-03	4.77E-03	9.58E-03

4815 496363.09, 3861377.25	0.10051	0.10039	1.53E-02	1.59E-02	1.44E-02	1.47E-02	1.39E-02	4.04E-03	4.04E-03	8.08E-03	3.95E-03	3.94E-03	7.89E-03	3.89E-03	3.89E-03	7.78E-03
4816 496863.09, 3861377.25	0.06954	0.06973	1.06E-02	1.10E-02	9.96E-03	1.02E-02	9.62E-03	2.80E-03	2.81E-03	5.60E-03	2.73E-03	2.74E-03	5.47E-03	2.69E-03	2.70E-03	5.40E-03
4817 497363.09, 3861377.25	0.06098	0.06102	9.27E-03	9.66E-03	8.73E-03	8.94E-03	8.43E-03	2.45E-03	2.46E-03	4.91E-03	2.39E-03	2.40E-03	4.79E-03	2.36E-03	2.36E-03	4.73E-03
4818 497863.09, 3861377.25	0.05413	0.05291	8.23E-03	8.38E-03	7.75E-03	7.94E-03	7.49E-03	2.18E-03	2.13E-03	4.31E-03	2.13E-03	2.08E-03	4.20E-03	2.10E-03	2.05E-03	4.15E-03
4819 498363.09, 3861377.25	0.04976	0.04979	7.56E-03	7.88E-03	7.12E-03	7.30E-03	6.88E-03	2.00E-03	2.00E-03	4.01E-03	1.95E-03	1.96E-03	3.91E-03	1.93E-03	1.93E-03	3.86E-03
4820 471363.09, 3861877.25	0.01063	0.01054	1.62E-03	1.67E-03	1.52E-03	1.56E-03	1.47E-03	4.28E-04	4.24E-04	8.52E-04	4.17E-04	4.14E-04	8.31E-04	4.12E-04	4.08E-04	8.20E-04
4821 471863.09, 3861877.25	0.01076	0.01068	1.64E-03	1.69E-03	1.54E-03	1.58E-03	1.49E-03	4.33E-04	4.30E-04	8.63E-04	4.23E-04	4.19E-04	8.42E-04	4.17E-04	4.14E-04	8.31E-04
4822 472363.09, 3861877.25	0.01089	0.01083	1.65E-03	1.71E-03	1.56E-03	1.60E-03	1.51E-03	4.38E-04	4.36E-04	8.74E-04	4.28E-04	4.25E-04	8.53E-04	4.22E-04	4.20E-04	8.42E-04
4823 472863.09, 3861877.25	0.0112	0.01117	1.70E-03	1.77E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	4.50E-04	9.00E-04	4.40E-04	4.39E-04	8.78E-04	4.34E-04	4.33E-04	8.67E-04
4824 473363.09, 3861877.25	0.01143	0.01145	1.74E-03	1.81E-03	1.64E-03	1.68E-03	1.58E-03	4.60E-04	4.61E-04	9.21E-04	4.49E-04	4.50E-04	8.98E-04	4.43E-04	4.44E-04	8.87E-04
4825 473863.09, 3861877.25	0.01165	0.0116	1.77E-03	1.84E-03	1.67E-03	1.71E-03	1.61E-03	4.69E-04	4.67E-04	9.36E-04	4.57E-04	4.56E-04	9.13E-04	4.51E-04	4.49E-04	9.01E-04
4826 474363.09, 3861877.25	0.01192	0.0118	1.81E-03	1.87E-03	1.71E-03	1.75E-03	1.65E-03	4.80E-04	4.75E-04	9.55E-04	4.68E-04	4.63E-04	9.31E-04	4.62E-04	4.57E-04	9.19E-04
4827 474863.09, 3861877.25	0.01213	0.01197	1.84E-03	1.90E-03	1.74E-03	1.78E-03	1.68E-03	4.88E-04	4.82E-04	9.70E-04	4.76E-04	4.70E-04	9.46E-04	4.70E-04	4.64E-04	9.34E-04
4828 475363.09, 3861877.25	0.01237	0.01219	1.88E-03	1.93E-03	1.77E-03	1.81E-03	1.71E-03	4.98E-04	4.91E-04	9.88E-04	4.86E-04	4.79E-04	9.64E-04	4.79E-04	4.72E-04	9.52E-04
4829 475863.09, 3861877.25	0.01283	0.01255	1.95E-03	1.99E-03	1.84E-03	1.88E-03	1.77E-03	5.16E-04	5.05E-04	1.02E-03	5.04E-04	4.93E-04	9.97E-04	4.97E-04	4.86E-04	9.83E-04
4830 476363.09, 3861877.25	0.01326	0.01294	2.01E-03	2.05E-03	1.90E-03	1.94E-03	1.83E-03	5.34E-04	5.21E-04	1.05E-03	5.21E-04	5.08E-04	1.03E-03	5.14E-04	5.01E-04	1.02E-03
4831 476863.09, 3861877.25	0.01329	0.01295	2.02E-03	2.05E-03	1.90E-03	1.95E-03	1.84E-03	5.35E-04	5.21E-04	1.06E-03	5.22E-04	5.09E-04	1.03E-03	5.15E-04	5.02E-04	1.02E-03
4832 477363.09, 3861877.25	0.01347	0.01265	2.05E-03	2.00E-03	1.93E-03	1.98E-03	1.86E-03	5.42E-04	5.09E-04	1.05E-03	5.29E-04	4.97E-04	1.03E-03	5.22E-04	4.90E-04	1.01E-03
4833 477863.09, 3861877.25	0.01129	0.01131	1.72E-03	1.79E-03	1.62E-03	1.66E-03	1.56E-03	4.54E-04	4.55E-04	9.09E-04	4.43E-04	4.44E-04	8.87E-04	4.37E-04	4.38E-04	8.76E-04
4834 478363.09, 3861877.25	0.00855	0.00833	1.30E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.35E-04	6.79E-04	3.36E-04	3.27E-04	6.63E-04	3.31E-04	3.23E-04	6.54E-04
4835 478863.09, 3861877.25	0.01013	0.01038	1.54E-03	1.64E-03	1.45E-03	1.49E-03	1.40E-03	4.08E-04	4.18E-04	8.25E-04	3.98E-04	4.08E-04	8.05E-04	3.93E-04	4.02E-04	7.95E-04
4836 479363.09, 3861877.25	0.00985	0.01023	1.50E-03	1.62E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	4.12E-04	8.08E-04	3.87E-04	4.02E-04	7.89E-04	3.82E-04	3.96E-04	7.78E-04
4837 479863.09, 3861877.25	0.01438	0.01432	2.19E-03	2.27E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	5.76E-04	1.15E-03	5.65E-04	5.62E-04	1.13E-03	5.57E-04	5.55E-04	1.11E-03
4838 480363.09, 3861877.25	0.01624	0.01604	2.47E-03	2.54E-03	2.32E-03	2.38E-03	2.25E-03	6.54E-04	6.46E-04	1.30E-03	6.38E-04	6.30E-04	1.27E-03	6.29E-04	6.22E-04	1.25E-03
4839 480863.09, 3861877.25	0.01707	0.0167	2.59E-03	2.64E-03	2.44E-03	2.50E-03	2.36E-03	6.87E-04	6.72E-04	1.36E-03	6.70E-04	6.56E-04	1.33E-03	6.61E-04	6.47E-04	1.31E-03
4840 481363.09, 3861877.25	0.01791	0.01719	2.72E-03	2.72E-03	2.56E-03	2.63E-03	2.48E-03	7.21E-04	6.92E-04	1.41E-03	7.03E-04	6.75E-04	1.38E-03	6.94E-04	6.66E-04	1.36E-03
4841 481863.09, 3861877.25	0.0184	0.0181	2.80E-03	2.87E-03	2.63E-03	2.70E-03	2.54E-03	7.40E-04	7.28E-04	1.47E-03	7.23E-04	7.11E-04	1.43E-03	7.13E-04	7.01E-04	1.41E-03
4842 482363.09, 3861877.25	0.01931	0.01855	2.93E-03	2.94E-03	2.76E-03	2.83E-03	2.67E-03	7.77E-04	7.47E-04	1.52E-03	7.58E-04	7.28E-04	1.49E-03	7.48E-04	7.19E-04	1.47E-03
4843 482863.09, 3861877.25	0.02032	0.01913	3.09E-03	3.03E-03	2.91E-03	2.98E-03	2.81E-03	8.18E-04	7.70E-04	1.59E-03	7.98E-04	7.51E-04	1.55E-03	7.87E-04	7.41E-04	1.53E-03
4844 483363.09, 3861877.25	0.02178	0.02026	3.31E-03	3.21E-03	3.12E-03	3.19E-03	3.01E-03	8.76E-04	8.15E-04	1.69E-03	8.55E-04	7.96E-04	1.65E-03	8.44E-04	7.85E-04	1.63E-03
4845 483863.09, 3861877.25	0.02194	0.02096	3.33E-03	3.32E-03	3.14E-03	3.22E-03	3.03E-03	8.83E-04	8.43E-04	1.73E-03	8.62E-04	8.23E-04	1.68E-03	8.50E-04	8.12E-04	1.66E-03
4846 484363.09, 3861877.25	0.02247	0.02137	3.41E-03	3.38E-03	3.22E-03	3.29E-03	3.11E-03	9.04E-04	8.60E-04	1.76E-03	8.82E-04	8.39E-04	1.72E-03	8.71E-04	8.28E-04	1.70E-03
4847 484863.09, 3861877.25	0.02323	0.02235	3.53E-03	3.54E-03	3.33E-03	3.41E-03	3.21E-03	9.35E-04	8.99E-04	1.83E-03	9.12E-04	8.78E-04	1.79E-03	9.00E-04	8.66E-04	1.77E-03
4848 485363.09, 3861877.25	0.02448	0.02304	3.72E-03	3.65E-03	3.50E-03	3.59E-03	3.39E-03	9.85E-04	9.27E-04	1.91E-03	9.61E-04	9.05E-04	1.87E-03	9.49E-04	8.93E-04	1.84E-03
4849 485863.09, 3861877.25	0.02505	0.02409	3.81E-03	3.81E-03	3.59E-03	3.67E-03	3.46E-03	1.01E-03	9.69E-04	1.98E-03	9.84E-04	9.46E-04	1.93E-03	9.71E-04	9.33E-04	1.90E-03
4850 486363.09, 3861877.25	0.02756	0.02668	4.19E-03	4.22E-03	3.95E-03	4.04E-03	3.81E-03	1.11E-03	1.07E-03	2.18E-03	1.08E-03	1.05E-03	2.13E-03	1.07E-03	1.03E-03	2.10E-03
4851 486863.09, 3861877.25	0.03175	0.0291	4.82E-03	4.61E-03	4.55E-03	4.66E-03	4.39E-03	1.28E-03	1.17E-03	2.45E-03	1.25E-03	1.14E-03	2.39E-03	1.23E-03	1.13E-03	2.36E-03
4852 487363.09, 3861877.25	0.03415	0.03289	5.19E-03	5.21E-03	4.89E-03	5.01E-03	4.72E-03	1.37E-03	1.32E-03	2.70E-03	1.34E-03	1.29E-03	2.63E-03	1.32E-03	1.27E-03	2.60E-03
4853 487863.09, 3861877.25	0.03567	0.03463	5.42E-03	5.48E-03	5.11E-03	5.23E-03	4.93E-03	1.44E-03	1.39E-03	2.83E-03	1.40E-03	1.36E-03	2.76E-03	1.38E-03	1.34E-03	2.72E-03
4854 488363.09, 3861877.25	0.03811	0.03527	5.79E-03	5.58E-03	5.46E-03	5.59E-03	5.27E-03	1.53E-03	1.42E-03	2.95E-03	1.50E-03	1.39E-03	2.88E-03	1.48E-03	1.37E-03	2.84E-03
4855 488863.09, 3861877.25	0.03978	0.03795	6.04E-03	6.01E-03	5.69E-03	5.83E-03	5.50E-03	1.60E-03	1.53E-03	3.13E-03	1.56E-03	1.49E-03	3.05E-03	1.54E-03	1.47E-03	3.01E-03
4856 489363.09, 3861877.25	0.04202	0.04113	6.39E-03	6.51E-03	6.02E-03	6.16E-03	5.81E-03	1.69E-03	1.66E-03	3.35E-03	1.65E-03	1.62E-03	3.27E-03	1.63E-03	1.59E-03	3.22E-03
4857 489863.09, 3861877.25	0.04522	0.04479	6.87E-03	7.09E-03	6.47E-03	6.63E-03	6.25E-03	1.82E-03	1.80E-03	3.62E-03	1.78E-03	1.76E-03	3.53E-03	1.75E-03	1.74E-03	3.49E-03
4858 490363.09, 3861877.25	0.05023	0.04986	7.63E-03	7.89E-03	7.19E-03	7.37E-03	6.95E-03	2.02E-03	2.01E-03	4.03E-03	1.97E-03	1.96E-03	3.93E-03	1.95E-03	1.93E-03	3.88E-03
4859 490863.09, 3861877.25	0.05651	0.0568	8.59E-03	8.99E-03	8.09E-03	8.29E-03	7.82E-03	2.27E-03	2.29E-03	4.56E-03	2.22E-03	2.23E-03	4.45E-03	2.19E-03	2.20E-03	4.39E-03
4860 491363.09, 3861877.25	0.06489	0.0653	9.86E-03	1.03E-02	9.29E-03	9.51E-03	8.97E-03	2.61E-03	2.63E-03	5.24E-03	2.55E-03	2.56E-03	5.11E-03	2.51E-03	2.53E-03	5.04E-03
4861 491863.09, 3861877.25	0.0768	0.07406	1.17E-02	1.17E-02	1.10E-02	1.13E-02	1.06E-02	3.09E-03	2.98E-03	6.07E-03	3.02E-03	2.91E-03	5.92E-03	2.98E-03	2.87E-03	5.85E-03
4862 492363.09, 3861877.25	0.09202	0.09131	1.40E-02	1.45E-02	1.32E-02	1.35E-02	1.27E-02	3.70E-03	3.67E-03	7.38E-03	3.61E-03	3.59E-03	7.20E-03	3.57E-03	3.54E-03	7.10E-03
4863 492863.09, 3861877.25	0.10899	0.11204	1.66E-02	1.77E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.51E-03	8.89E-03	4.28E-03	4.40E-03	8.68E-03	4.22E-03	4.34E-03	8.56E-03
4864 493363.09, 3861877.25	0.13573	0.13572	2.06E-02	2.15E-02	1.94E-02	1.99E-02	1.88E-02	5.46E-03	5.46E-03	1.09E-02	5.33E-03	5.33E-03	1.07E-02	5.26E-03	5.26E-03	1.05E-02
4865 493863.09, 3861877.25	0.17439	0.17879	2.65E-02	2.83E-02	2.50E-02	2.56E-02	2.41E-02	7.02E-03	7.20E-03	1.42E-02	6.85E-03	7.02E-03	1.39E-02	6.76E-03	6.93E-03	1.37E-02
4866 494363.09, 3861877.25	0.24936	0.25327	3.79E-02	4.01E-02	3.57E-02	3.66E-02	3.45E-02	1.00E-02	1.02E-02	2.02E-02	9.79E-03	9.95E-03	1.97E-02	9.66E-03	9.81E-03	1.95E-02
4867 494863.09, 3861877.25	0.70674	0.73842	1.07E-01	1.17E-01	1.01E-01	1.04E-01	9.77E-02	2.84E-02	2.97E-02	5.82E-02	2.78E-02	2.90E-02	5.68E-02	2.74E-02	2.86E-02	5.60E-02
4868 495363.09, 3861877.25	0.57132	0.57055	8.68E-02	9.03E-02	8.18E-02	8.38E-02	7.90E-02	2.30E-02	2.30E-02	4.60E-02	2.24E-02	2.24E-02	4.48E-02	2.21E-02	2.21E-02	4.42E-02
4869 495863.09, 3861877.25	0.2966	0.29766	4.51E-02	4.71E-02	4.25E-02	4.35E-02	4.10E-02	1.19E-02	1.20E-02	2.39E-02	1.16E-02	1.17E-02	2.33E-02	1.15E-02	1.15E-02	2.30E-02
4870 496363.09, 3861877.25	0.21959	0.21986	3.34E-02	3.48E-02	3.14E-02	3.22E-02	3.04E-02	8.84E-03	8.85E-03	1.77E-02	8.62E-03	8.63E-03	1.73E-02	8.51E-03	8.52E-03	1.70E-02
4871 496863.09, 3861877.25	0.08274	0.08226	1.26E-02	1.30E-02	1.18E-02	1.21E-02	1.14E-02	3.33E-03	3.31E-03	6.64E-03	3.25E-03	3.23E-03	6.48E-03	3.21E-03	3.19E-03	6.39E-03
4872 497363.09, 3861877.25	0.11339	0.11246	1.72E-02	1.78E-02	1.62E-02	1.66E-02	1.57E-02	4.56E-03	4.53E-03	9.09E-03	4.45E-03	4.42E-03	8.87E-03	4.39E-03	4.36E-03	8.75E-03
4873 497863.09, 3861877.25	0.11087	0.11138	1.68E-02	1.76E-02	1.59E-02	1.63E-02	1.53E-02	4.46E-03	4.48E-03	8.94E-03	4.35E-03	4.37E-03	8.73E-03	4.30E-03	4.32E-03	8.61E-03
4874 498363.09, 3861877.25	0.10467	0.10565	1.59E-02	1.67E-02	1.50E-02	1.53E-02	1.45E-02	4.21E-03	4.25E-03	8.46E-03	4.11E-03	4.15E-03	8.26E-03	4.06E-03	4.09E-03	8.15E-03
4875 471363.09, 3862377.25	0.0107	0.01063	1.63E-03	1.68E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	4.28E-04	8.58E-04	4.20E-04	4.17E-04	8.38E-04	4.15E-04	4.12E-04	8.27E-04
4876 471863.09, 3862377.25	0.01082	0.01072	1.64E-03	1.70E-03	1.55E-03	1.59E-03	1.50E-03	4.35E-04	4.31E-04	8.67E-04	4.25E-04	4.21E-04	8.46E-04	4.19E-04	4.15E-04	8.35E-04
4877 472363.09, 3862377.25	0.01096	0.01069	1.67E-03	1.69E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	4.30E-04	8.71E-04	4.30E-04	4.20E-04	8.50E-04	4.25E-04	4.14E-04	8.39E-04
4878 472863.09, 3862377.25	0.0112	0.0109	1.70E-03	1.73E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	4.39E-04	8.89E-04	4.40E-04	4.28E-04	8.68E-04	4.34E-04	4.22E-04	8.56E-04
4879 473363.09, 3862377.25	0.01147	0.01113	1.74E-03	1.76E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	4.48E-04	9.09E-04	4.50E-04	4.37E-04	8.87E-04	4.44E-04	4.31E-04	8.76E-04
4880 473863.09, 3862377.25	0.01169	0.01123	1.78E-03	1.78E-03	1.67E-03	1.71E-03	1.62E-03	4.70E-04	4.52E-04	9.22E-04	4.59E-04	4.41E-04	9.00E-04	4.53E-04	4.35E-04	8.88E-04

4881 474363.09, 3862377.25	0.01185	0.01125	1.80E-03	1.78E-03	1.70E-03	1.74E-03	1.64E-03	4.77E-04	4.53E-04	9.30E-04	4.65E-04	4.42E-04	9.07E-04	4.59E-04	4.36E-04	8.95E-04
4882 474863.09, 3862377.25	0.01201	0.0114	1.82E-03	1.80E-03	1.72E-03	1.76E-03	1.66E-03	4.83E-04	4.59E-04	9.42E-04	4.72E-04	4.48E-04	9.19E-04	4.65E-04	4.42E-04	9.07E-04
4883 475363.09, 3862377.25	0.01225	0.01183	1.86E-03	1.87E-03	1.75E-03	1.80E-03	1.69E-03	4.93E-04	4.76E-04	9.69E-04	4.81E-04	4.65E-04	9.46E-04	4.75E-04	4.58E-04	9.33E-04
4884 475863.09, 3862377.25	0.01277	0.01237	1.94E-03	1.96E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	4.98E-04	1.01E-03	5.01E-04	4.86E-04	9.87E-04	4.95E-04	4.79E-04	9.74E-04
4885 476363.09, 3862377.25	0.01321	0.01279	2.01E-03	2.03E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	5.15E-04	1.05E-03	5.19E-04	5.02E-04	1.02E-03	5.12E-04	4.96E-04	1.01E-03
4886 476863.09, 3862377.25	0.01349	0.01313	2.05E-03	2.08E-03	1.93E-03	1.98E-03	1.87E-03	5.43E-04	5.28E-04	1.07E-03	5.30E-04	5.16E-04	1.05E-03	5.23E-04	5.09E-04	1.03E-03
4887 477363.09, 3862377.25	0.01383	0.01309	2.10E-03	2.07E-03	1.98E-03	2.03E-03	1.91E-03	5.57E-04	5.27E-04	1.08E-03	5.43E-04	5.14E-04	1.06E-03	5.36E-04	5.07E-04	1.04E-03
4888 477863.09, 3862377.25	0.01211	0.01206	1.84E-03	1.91E-03	1.73E-03	1.78E-03	1.67E-03	4.87E-04	4.85E-04	9.73E-04	4.76E-04	4.74E-04	9.49E-04	4.69E-04	4.67E-04	9.37E-04
4889 478363.09, 3862377.25	0.01066	0.01096	1.62E-03	1.74E-03	1.53E-03	1.56E-03	1.47E-03	4.29E-04	4.41E-04	8.70E-04	4.19E-04	4.30E-04	8.49E-04	4.13E-04	4.25E-04	8.38E-04
4890 478863.09, 3862377.25	0.01069	0.01126	1.62E-03	1.78E-03	1.53E-03	1.57E-03	1.48E-03	4.30E-04	4.53E-04	8.83E-04	4.20E-04	4.42E-04	8.62E-04	4.14E-04	4.36E-04	8.51E-04
4891 479363.09, 3862377.25	0.01153	0.01196	1.75E-03	1.89E-03	1.65E-03	1.69E-03	1.59E-03	4.64E-04	4.81E-04	9.45E-04	4.53E-04	4.70E-04	9.22E-04	4.47E-04	4.63E-04	9.10E-04
4892 479863.09, 3862377.25	0.01417	0.01398	2.15E-03	2.21E-03	2.03E-03	2.08E-03	1.96E-03	5.70E-04	5.63E-04	1.13E-03	5.56E-04	5.49E-04	1.11E-03	5.49E-04	5.42E-04	1.09E-03
4893 480363.09, 3862377.25	0.0154	0.01524	2.34E-03	2.41E-03	2.20E-03	2.26E-03	2.13E-03	6.20E-04	6.13E-04	1.23E-03	6.05E-04	5.98E-04	1.20E-03	5.97E-04	5.91E-04	1.19E-03
4894 480863.09, 3862377.25	0.01633	0.01595	2.48E-03	2.53E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	6.42E-04	1.30E-03	6.41E-04	6.26E-04	1.27E-03	6.33E-04	6.18E-04	1.25E-03
4895 481363.09, 3862377.25	0.01716	0.01665	2.61E-03	2.64E-03	2.46E-03	2.52E-03	2.37E-03	6.91E-04	6.70E-04	1.36E-03	6.74E-04	6.54E-04	1.33E-03	6.65E-04	6.45E-04	1.31E-03
4896 481863.09, 3862377.25	0.01838	0.01756	2.79E-03	2.78E-03	2.63E-03	2.70E-03	2.54E-03	7.40E-04	7.07E-04	1.45E-03	7.22E-04	6.90E-04	1.41E-03	7.12E-04	6.80E-04	1.39E-03
4897 482363.09, 3862377.25	0.01897	0.01785	2.88E-03	2.83E-03	2.72E-03	2.78E-03	2.62E-03	7.63E-04	7.18E-04	1.48E-03	7.45E-04	7.01E-04	1.45E-03	7.35E-04	6.92E-04	1.43E-03
4898 482863.09, 3862377.25	0.01926	0.01785	2.93E-03	2.83E-03	2.76E-03	2.82E-03	2.66E-03	7.75E-04	7.18E-04	1.49E-03	7.56E-04	7.01E-04	1.46E-03	7.46E-04	6.92E-04	1.44E-03
4899 483363.09, 3862377.25	0.02026	0.01837	3.08E-03	2.91E-03	2.90E-03	2.97E-03	2.80E-03	8.15E-04	7.39E-04	1.55E-03	7.96E-04	7.21E-04	1.52E-03	7.85E-04	7.12E-04	1.50E-03
4900 483863.09, 3862377.25	0.02075	0.01917	3.15E-03	3.04E-03	2.97E-03	3.04E-03	2.87E-03	8.35E-04	7.71E-04	1.61E-03	8.15E-04	7.53E-04	1.57E-03	8.04E-04	7.43E-04	1.55E-03
4901 484363.09, 3862377.25	0.02226	0.02025	3.38E-03	3.21E-03	3.19E-03	3.26E-03	3.08E-03	8.96E-04	8.15E-04	1.71E-03	8.74E-04	7.95E-04	1.67E-03	8.63E-04	7.85E-04	1.65E-03
4902 484863.09, 3862377.25	0.02247	0.02118	3.41E-03	3.35E-03	3.22E-03	3.29E-03	3.11E-03	9.04E-04	8.52E-04	1.76E-03	8.82E-04	8.32E-04	1.71E-03	8.71E-04	8.21E-04	1.69E-03
4903 485363.09, 3862377.25	0.02301	0.02163	3.50E-03	3.42E-03	3.29E-03	3.37E-03	3.18E-03	9.26E-04	8.70E-04	1.80E-03	9.04E-04	8.49E-04	1.75E-03	8.92E-04	8.38E-04	1.73E-03
4904 485863.09, 3862377.25	0.02344	0.0218	3.56E-03	3.45E-03	3.36E-03	3.44E-03	3.24E-03	9.43E-04	8.77E-04	1.82E-03	9.20E-04	8.56E-04	1.78E-03	9.08E-04	8.45E-04	1.75E-03
4905 486363.09, 3862377.25	0.02387	0.02249	3.63E-03	3.56E-03	3.42E-03	3.50E-03	3.30E-03	9.61E-04	9.05E-04	1.87E-03	9.37E-04	8.83E-04	1.82E-03	9.25E-04	8.71E-04	1.80E-03
4906 486863.09, 3862377.25	0.0266	0.02405	4.04E-03	3.81E-03	3.81E-03	3.90E-03	3.68E-03	1.07E-03	9.68E-04	2.04E-03	1.04E-03	9.44E-04	1.99E-03	1.03E-03	9.32E-04	1.96E-03
4907 487363.09, 3862377.25	0.02801	0.02707	4.26E-03	4.29E-03	4.01E-03	4.11E-03	3.87E-03	1.13E-03	1.09E-03	2.22E-03	1.10E-03	1.06E-03	2.16E-03	1.09E-03	1.05E-03	2.13E-03
4908 487863.09, 3862377.25	0.02968	0.02831	4.51E-03	4.48E-03	4.25E-03	4.35E-03	4.10E-03	1.19E-03	1.14E-03	2.33E-03	1.17E-03	1.11E-03	2.28E-03	1.15E-03	1.10E-03	2.25E-03
4909 488363.09, 3862377.25	0.03099	0.03051	4.71E-03	4.83E-03	4.44E-03	4.54E-03	4.29E-03	1.25E-03	1.23E-03	2.47E-03	1.22E-03	1.20E-03	2.42E-03	1.20E-03	1.18E-03	2.38E-03
4910 488863.09, 3862377.25	0.03373	0.03236	5.13E-03	5.12E-03	4.83E-03	4.95E-03	4.67E-03	1.36E-03	1.30E-03	2.66E-03	1.32E-03	1.27E-03	2.60E-03	1.31E-03	1.25E-03	2.56E-03
4911 489363.09, 3862377.25	0.03543	0.03463	5.38E-03	5.48E-03	5.07E-03	5.20E-03	4.90E-03	1.43E-03	1.39E-03	2.82E-03	1.39E-03	1.36E-03	2.75E-03	1.37E-03	1.34E-03	2.71E-03
4912 489863.09, 3862377.25	0.03595	0.03641	5.46E-03	5.76E-03	5.15E-03	5.27E-03	4.97E-03	1.45E-03	1.47E-03	2.91E-03	1.41E-03	1.43E-03	2.84E-03	1.39E-03	1.41E-03	2.80E-03
4913 490363.09, 3862377.25	0.03845	0.03959	5.84E-03	6.27E-03	5.50E-03	5.64E-03	5.32E-03	1.55E-03	1.59E-03	3.14E-03	1.51E-03	1.55E-03	3.06E-03	1.49E-03	1.53E-03	3.02E-03
4914 490863.09, 3862377.25	0.04382	0.0441	6.66E-03	6.98E-03	6.27E-03	6.43E-03	6.06E-03	1.76E-03	1.77E-03	3.54E-03	1.72E-03	1.73E-03	3.45E-03	1.70E-03	1.71E-03	3.41E-03
4915 491363.09, 3862377.25	0.05047	0.04897	7.67E-03	7.75E-03	7.23E-03	7.40E-03	6.98E-03	2.03E-03	1.97E-03	4.00E-03	1.98E-03	1.92E-03	3.90E-03	1.96E-03	1.90E-03	3.85E-03
4916 491863.09, 3862377.25	0.05633	0.05384	8.56E-03	8.52E-03	8.06E-03	8.26E-03	7.79E-03	2.27E-03	2.17E-03	4.43E-03	2.21E-03	2.11E-03	4.33E-03	2.18E-03	2.09E-03	4.27E-03
4917 492363.09, 3862377.25	0.06153	0.0628	9.35E-03	9.94E-03	8.81E-03	9.02E-03	8.51E-03	2.48E-03	2.53E-03	5.00E-03	2.42E-03	2.47E-03	4.88E-03	2.38E-03	2.43E-03	4.82E-03
4918 492863.09, 3862377.25	0.07116	0.07139	1.08E-02	1.13E-02	1.02E-02	1.04E-02	9.84E-03	2.86E-03	2.87E-03	5.74E-03	2.79E-03	2.80E-03	5.60E-03	2.76E-03	2.77E-03	5.52E-03
4919 493363.09, 3862377.25	0.08029	0.08229	1.22E-02	1.30E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.31E-03	6.54E-03	3.15E-03	3.23E-03	6.38E-03	3.11E-03	3.19E-03	6.30E-03
4920 493863.09, 3862377.25	0.09183	0.08933	1.40E-02	1.41E-02	1.31E-02	1.35E-02	1.27E-02	3.70E-03	3.59E-03	7.29E-03	3.61E-03	3.51E-03	7.11E-03	3.56E-03	3.46E-03	7.02E-03
4921 494363.09, 3862377.25	0.10084	0.10237	1.53E-02	1.62E-02	1.44E-02	1.48E-02	1.39E-02	4.06E-03	4.12E-03	8.18E-03	3.96E-03	4.02E-03	7.98E-03	3.91E-03	3.97E-03	7.87E-03
4922 494863.09, 3862377.25	0.11381	0.11487	1.73E-02	1.82E-02	1.63E-02	1.67E-02	1.57E-02	4.58E-03	4.62E-03	9.20E-03	4.47E-03	4.51E-03	8.98E-03	4.41E-03	4.45E-03	8.86E-03
4923 495363.09, 3862377.25	0.13621	0.13838	2.07E-02	2.19E-02	1.95E-02	2.00E-02	1.88E-02	5.48E-03	5.57E-03	1.11E-02	5.35E-03	5.43E-03	1.08E-02	5.28E-03	5.36E-03	1.06E-02
4924 495863.09, 3862377.25	0.17736	0.17792	2.70E-02	2.82E-02	2.54E-02	2.60E-02	2.45E-02	7.14E-03	7.16E-03	1.43E-02	6.96E-03	6.99E-03	1.40E-02	6.87E-03	6.89E-03	1.38E-02
4925 496363.09, 3862377.25	0.2834	0.28513	4.31E-02	4.51E-02	4.06E-02	4.16E-02	3.92E-02	1.14E-02	1.15E-02	2.29E-02	1.11E-02	1.12E-02	2.23E-02	1.10E-02	1.10E-02	2.20E-02
4926 496863.09, 3862377.25	1.53733	1.48579	2.34E-01	2.35E-01	2.20E-01	2.25E-01	2.13E-01	6.19E-02	5.98E-02	1.22E-01	6.04E-02	5.83E-02	1.19E-01	5.96E-02	5.76E-02	1.17E-01
4927 497363.09, 3862377.25	0.75649	0.76154	1.15E-01	1.21E-01	1.08E-01	1.11E-01	1.05E-01	3.04E-02	3.06E-02	6.11E-02	2.97E-02	2.99E-02	5.96E-02	2.93E-02	2.95E-02	5.88E-02
4928 497863.09, 3862377.25	1.86557	1.91086	2.83E-01	3.03E-01	2.67E-01	2.74E-01	2.58E-01	7.51E-02	7.69E-02	1.52E-01	7.33E-02	7.50E-02	1.48E-01	7.23E-02	7.40E-02	1.46E-01
4929 498363.09, 3862377.25	0.43499	0.43373	6.61E-02	6.87E-02	6.23E-02	6.38E-02	6.02E-02	1.75E-02	1.75E-02	3.50E-02	1.71E-02	1.70E-02	3.41E-02	1.69E-02	1.68E-02	3.37E-02
4930 471363.09, 3862877.25	0.0106	0.01043	1.61E-03	1.65E-03	1.52E-03	1.55E-03	1.47E-03	4.27E-04	4.20E-04	8.46E-04	4.16E-04	4.10E-04	8.26E-04	4.11E-04	4.04E-04	8.15E-04
4931 471863.09, 3862877.25	0.01074	0.01048	1.63E-03	1.66E-03	1.54E-03	1.57E-03	1.49E-03	4.32E-04	4.22E-04	8.54E-04	4.22E-04	4.12E-04	8.33E-04	4.16E-04	4.06E-04	8.22E-04
4932 472363.09, 3862877.25	0.01089	0.01059	1.65E-03	1.68E-03	1.56E-03	1.60E-03	1.51E-03	4.38E-04	4.26E-04	8.64E-04	4.28E-04	4.16E-04	8.44E-04	4.22E-04	4.10E-04	8.32E-04
4933 472863.09, 3862877.25	0.01106	0.0108	1.68E-03	1.71E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	4.35E-04	8.80E-04	4.34E-04	4.24E-04	8.58E-04	4.29E-04	4.18E-04	8.47E-04
4934 473363.09, 3862877.25	0.0112	0.01083	1.70E-03	1.71E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	4.36E-04	8.87E-04	4.40E-04	4.25E-04	8.65E-04	4.34E-04	4.20E-04	8.54E-04
4935 473863.09, 3862877.25	0.01142	0.01093	1.74E-03	1.73E-03	1.63E-03	1.67E-03	1.58E-03	4.60E-04	4.40E-04	8.99E-04	4.48E-04	4.29E-04	8.78E-04	4.43E-04	4.24E-04	8.66E-04
4936 474363.09, 3862877.25	0.01168	0.01101	1.77E-03	1.74E-03	1.67E-03	1.71E-03	1.62E-03	4.70E-04	4.43E-04	9.13E-04	4.59E-04	4.32E-04	8.91E-04	4.53E-04	4.27E-04	8.79E-04
4937 474863.09, 3862877.25	0.01195	0.01109	1.82E-03	1.76E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	4.46E-04	9.27E-04	4.69E-04	4.36E-04	9.05E-04	4.63E-04	4.30E-04	8.93E-04
4938 475363.09, 3862877.25	0.0122	0.01147	1.85E-03	1.82E-03	1.75E-03	1.79E-03	1.69E-03	4.91E-04	4.62E-04	9.53E-04	4.79E-04	4.50E-04	9.30E-04	4.73E-04	4.44E-04	9.17E-04
4939 475863.09, 3862877.25	0.01248	0.01205	1.90E-03	1.91E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	4.85E-04	9.87E-04	4.90E-04	4.73E-04	9.63E-04	4.84E-04	4.67E-04	9.51E-04
4940 476363.09, 3862877.25	0.01295	0.01251	1.97E-03	1.98E-03	1.85E-03	1.90E-03	1.79E-03	5.21E-04	5.03E-04	1.02E-03	5.09E-04	4.91E-04	1.00E-03	5.02E-04	4.85E-04	9.87E-04
4941 476863.09, 3862877.25	0.01343	0.01308	2.04E-03	2.07E-03	1.92E-03	1.97E-03	1.86E-03	5.40E-04	5.26E-04	1.07E-03	5.27E-04	5.14E-04	1.04E-03	5.20E-04	5.07E-04	1.03E-03
4942 477363.09, 3862877.25	0.01383	0.01348	2.10E-03	2.13E-03	1.98E-03	2.03E-03	1.91E-03	5.57E-04	5.42E-04	1.10E-03	5.43E-04	5.29E-04	1.07E-03	5.36E-04	5.22E-04	1.06E-03
4943 477863.09, 3862877.25	0.01331	0.01326	2.02E-03	2.10E-03	1.91E-03	1.95E-03	1.84E-03	5.36E-04	5.34E-04	1.07E-03	5.23E-04	5.21E-04	1.04E-03	5.16E-04	5.14E-04	1.03E-03
4944 478363.09, 3862877.25	0.01159	0.01161	1.76E-03	1.84E-03	1.66E-03	1.70E-03	1.60E-03	4.66E-04	4.67E-04	9.34E-04	4.55E-04	4.56E-04	9.11E-04	4.49E-04	4.50E-04	8.99E-04
4945 478863.09, 3862877.25	0.0115	0.01176	1.75E-03	1.86E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	4.73E-04	9.36E-04	4.52E-04	4.62E-04	9.13E-04	4.46E-04	4.56E-04	9.01E-04
4946 479363.09, 3862877.25	0.01155	0.01201	1.76E-03	1.90E-03	1.65E-03	1.69E-03	1.60E-03	4.65E-04	4.83E-04	9.48E-04	4.54E-04	4.72E-04	9.25E-04	4.48E-04	4.65E-04	9.13E-04

4947 479863.09, 3862877.25	0.01453	0.01434	2.21E-03	2.27E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	5.77E-04	1.16E-03	5.71E-04	5.63E-04	1.13E-03	5.63E-04	5.56E-04	1.12E-03
4948 480363.09, 3862877.25	0.01491	0.01487	2.27E-03	2.35E-03	2.13E-03	2.19E-03	2.06E-03	6.00E-04	5.98E-04	1.20E-03	5.86E-04	5.84E-04	1.17E-03	5.78E-04	5.76E-04	1.15E-03
4949 480863.09, 3862877.25	0.01552	0.01532	2.36E-03	2.43E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	6.17E-04	1.24E-03	6.09E-04	6.02E-04	1.21E-03	6.01E-04	5.94E-04	1.20E-03
4950 481363.09, 3862877.25	0.01637	0.01583	2.49E-03	2.51E-03	2.34E-03	2.40E-03	2.26E-03	6.59E-04	6.37E-04	1.30E-03	6.43E-04	6.22E-04	1.26E-03	6.34E-04	6.13E-04	1.25E-03
4951 481863.09, 3862877.25	0.01738	0.01665	2.64E-03	2.64E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	6.70E-04	1.37E-03	6.83E-04	6.54E-04	1.34E-03	6.73E-04	6.45E-04	1.32E-03
4952 482363.09, 3862877.25	0.01794	0.01707	2.73E-03	2.70E-03	2.57E-03	2.63E-03	2.48E-03	7.22E-04	6.87E-04	1.41E-03	7.05E-04	6.70E-04	1.37E-03	6.95E-04	6.61E-04	1.36E-03
4953 482863.09, 3862877.25	0.01801	0.01696	2.74E-03	2.69E-03	2.58E-03	2.64E-03	2.49E-03	7.25E-04	6.83E-04	1.41E-03	7.07E-04	6.66E-04	1.37E-03	6.98E-04	6.57E-04	1.36E-03
4954 483363.09, 3862877.25	0.01882	0.01752	2.86E-03	2.77E-03	2.69E-03	2.76E-03	2.60E-03	7.57E-04	7.05E-04	1.46E-03	7.39E-04	6.88E-04	1.43E-03	7.29E-04	6.79E-04	1.41E-03
4955 483863.09, 3862877.25	0.01916	0.018	2.91E-03	2.85E-03	2.74E-03	2.81E-03	2.65E-03	7.71E-04	7.24E-04	1.50E-03	7.52E-04	7.07E-04	1.46E-03	7.42E-04	6.97E-04	1.44E-03
4956 484363.09, 3862877.25	0.021	0.01963	3.19E-03	3.11E-03	3.01E-03	3.08E-03	2.90E-03	8.45E-04	7.90E-04	1.64E-03	8.25E-04	7.71E-04	1.60E-03	8.14E-04	7.61E-04	1.57E-03
4957 484863.09, 3862877.25	0.02213	0.02094	3.36E-03	3.32E-03	3.17E-03	3.24E-03	3.06E-03	8.91E-04	8.43E-04	1.73E-03	8.69E-04	8.22E-04	1.69E-03	8.58E-04	8.11E-04	1.67E-03
4958 485363.09, 3862877.25	0.02269	0.0216	3.45E-03	3.42E-03	3.25E-03	3.33E-03	3.14E-03	9.13E-04	8.69E-04	1.78E-03	8.91E-04	8.48E-04	1.74E-03	8.79E-04	8.37E-04	1.72E-03
4959 485863.09, 3862877.25	0.02287	0.02131	3.48E-03	3.37E-03	3.27E-03	3.35E-03	3.16E-03	9.20E-04	8.58E-04	1.78E-03	8.98E-04	8.37E-04	1.73E-03	8.86E-04	8.26E-04	1.71E-03
4960 486363.09, 3862877.25	0.02257	0.02146	3.43E-03	3.40E-03	3.23E-03	3.31E-03	3.12E-03	9.08E-04	8.64E-04	1.77E-03	8.86E-04	8.43E-04	1.73E-03	8.75E-04	8.32E-04	1.71E-03
4961 486863.09, 3862877.25	0.02356	0.02239	3.58E-03	3.55E-03	3.37E-03	3.45E-03	3.26E-03	9.48E-04	9.01E-04	1.85E-03	9.25E-04	8.79E-04	1.80E-03	9.13E-04	8.68E-04	1.78E-03
4962 487363.09, 3862877.25	0.02475	0.02381	3.76E-03	3.77E-03	3.54E-03	3.63E-03	3.42E-03	9.96E-04	9.58E-04	1.95E-03	9.72E-04	9.35E-04	1.91E-03	9.59E-04	9.23E-04	1.88E-03
4963 487863.09, 3862877.25	0.02645	0.02533	4.02E-03	4.01E-03	3.79E-03	3.88E-03	3.66E-03	1.06E-03	1.02E-03	2.08E-03	1.04E-03	9.95E-04	2.03E-03	1.02E-03	9.81E-04	2.01E-03
4964 488363.09, 3862877.25	0.02787	0.02715	4.23E-03	4.30E-03	3.99E-03	4.09E-03	3.85E-03	1.12E-03	1.09E-03	2.21E-03	1.09E-03	1.07E-03	2.16E-03	1.08E-03	1.05E-03	2.13E-03
4965 488863.09, 3862877.25	0.0295	0.02915	4.48E-03	4.62E-03	4.22E-03	4.33E-03	4.08E-03	1.19E-03	1.17E-03	2.36E-03	1.16E-03	1.14E-03	2.30E-03	1.14E-03	1.13E-03	2.27E-03
4966 489363.09, 3862877.25	0.03152	0.03079	4.79E-03	4.88E-03	4.51E-03	4.62E-03	4.36E-03	1.27E-03	1.24E-03	2.51E-03	1.24E-03	1.21E-03	2.45E-03	1.22E-03	1.19E-03	2.41E-03
4967 489863.09, 3862877.25	0.03224	0.03231	4.90E-03	5.12E-03	4.62E-03	4.73E-03	4.46E-03	1.30E-03	1.30E-03	2.60E-03	1.27E-03	1.27E-03	2.53E-03	1.25E-03	1.25E-03	2.50E-03
4968 490363.09, 3862877.25	0.03327	0.03449	5.06E-03	5.46E-03	4.76E-03	4.88E-03	4.60E-03	1.34E-03	1.39E-03	2.73E-03	1.31E-03	1.35E-03	2.66E-03	1.29E-03	1.34E-03	2.63E-03
4969 490863.09, 3862877.25	0.03628	0.03761	5.51E-03	5.95E-03	5.19E-03	5.32E-03	5.02E-03	1.46E-03	1.51E-03	2.97E-03	1.42E-03	1.48E-03	2.90E-03	1.41E-03	1.46E-03	2.86E-03
4970 491363.09, 3862877.25	0.03968	0.0392	6.03E-03	6.21E-03	5.68E-03	5.82E-03	5.49E-03	1.60E-03	1.58E-03	3.17E-03	1.56E-03	1.54E-03	3.10E-03	1.54E-03	1.52E-03	3.06E-03
4971 491863.09, 3862877.25	0.04213	0.04194	6.40E-03	6.64E-03	6.03E-03	6.18E-03	5.83E-03	1.70E-03	1.69E-03	3.38E-03	1.65E-03	1.65E-03	3.30E-03	1.63E-03	1.63E-03	3.26E-03
4972 492363.09, 3862877.25	0.04641	0.04663	7.05E-03	7.38E-03	6.64E-03	6.80E-03	6.42E-03	1.87E-03	1.88E-03	3.74E-03	1.82E-03	1.83E-03	3.65E-03	1.80E-03	1.81E-03	3.61E-03
4973 492863.09, 3862877.25	0.0499	0.05182	7.58E-03	8.20E-03	7.14E-03	7.32E-03	6.90E-03	2.01E-03	2.09E-03	4.09E-03	1.96E-03	2.03E-03	3.99E-03	1.93E-03	2.01E-03	3.94E-03
4974 493363.09, 3862877.25	0.05347	0.05202	8.12E-03	8.24E-03	7.65E-03	7.84E-03	7.40E-03	2.15E-03	2.09E-03	4.25E-03	2.10E-03	2.04E-03	4.14E-03	2.07E-03	2.02E-03	4.09E-03
4975 493863.09, 3862877.25	0.05984	0.058	9.09E-03	9.18E-03	8.57E-03	8.77E-03	8.28E-03	2.41E-03	2.33E-03	4.74E-03	2.35E-03	2.28E-03	4.63E-03	2.32E-03	2.25E-03	4.57E-03
4976 494363.09, 3862877.25	0.06616	0.06444	1.01E-02	1.02E-02	9.47E-03	9.70E-03	9.15E-03	2.66E-03	2.59E-03	5.26E-03	2.60E-03	2.53E-03	5.13E-03	2.56E-03	2.50E-03	5.06E-03
4977 494863.09, 3862877.25	0.06829	0.0684	1.04E-02	1.08E-02	9.78E-03	1.00E-02	9.44E-03	2.75E-03	2.75E-03	5.50E-03	2.68E-03	2.69E-03	5.37E-03	2.65E-03	2.65E-03	5.30E-03
4978 495363.09, 3862877.25	0.06986	0.07252	1.06E-02	1.15E-02	1.00E-02	1.02E-02	9.66E-03	2.81E-03	2.92E-03	5.73E-03	2.74E-03	2.85E-03	5.59E-03	2.71E-03	2.81E-03	5.52E-03
4979 495863.09, 3862877.25	0.07983	0.07939	1.21E-02	1.26E-02	1.14E-02	1.17E-02	1.10E-02	3.21E-03	3.19E-03	6.41E-03	3.13E-03	3.12E-03	6.25E-03	3.09E-03	3.08E-03	6.17E-03
4980 496363.09, 3862877.25	0.08526	0.08575	1.30E-02	1.36E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.45E-03	6.88E-03	3.35E-03	3.37E-03	6.72E-03	3.30E-03	3.32E-03	6.63E-03
4981 496863.09, 3862877.25	0.09429	0.09532	1.43E-02	1.51E-02	1.35E-02	1.38E-02	1.30E-02	3.79E-03	3.84E-03	7.63E-03	3.70E-03	3.74E-03	7.45E-03	3.65E-03	3.69E-03	7.35E-03
4982 497363.09, 3862877.25	0.09992	0.09975	1.52E-02	1.58E-02	1.43E-02	1.47E-02	1.38E-02	4.02E-03	4.01E-03	8.04E-03	3.92E-03	3.92E-03	7.84E-03	3.87E-03	3.87E-03	7.74E-03
4983 497863.09, 3862877.25	0.10338	0.10216	1.57E-02	1.62E-02	1.48E-02	1.52E-02	1.43E-02	4.16E-03	4.11E-03	8.27E-03	4.06E-03	4.01E-03	8.07E-03	4.01E-03	3.96E-03	7.96E-03
4984 498363.09, 3862877.25	0.10208	0.10236	1.55E-02	1.62E-02	1.46E-02	1.50E-02	1.41E-02	4.11E-03	4.12E-03	8.23E-03	4.01E-03	4.02E-03	8.03E-03	3.96E-03	3.97E-03	7.92E-03
4985 471363.09, 3863377.25	0.01055	0.01008	1.60E-03	1.60E-03	1.51E-03	1.55E-03	1.46E-03	4.25E-04	4.06E-04	8.30E-04	4.14E-04	3.96E-04	8.10E-04	4.09E-04	3.91E-04	7.99E-04
4986 471863.09, 3863377.25	0.01067	0.01018	1.62E-03	1.61E-03	1.53E-03	1.56E-03	1.48E-03	4.29E-04	4.10E-04	8.39E-04	4.19E-04	4.00E-04	8.19E-04	4.13E-04	3.94E-04	8.08E-04
4987 472363.09, 3863377.25	0.01079	0.01029	1.64E-03	1.63E-03	1.54E-03	1.58E-03	1.49E-03	4.34E-04	4.14E-04	8.48E-04	4.24E-04	4.04E-04	8.28E-04	4.18E-04	3.99E-04	8.17E-04
4988 472863.09, 3863377.25	0.01099	0.01036	1.67E-03	1.64E-03	1.57E-03	1.61E-03	1.52E-03	4.42E-04	4.17E-04	8.59E-04	4.32E-04	4.07E-04	8.38E-04	4.26E-04	4.01E-04	8.27E-04
4989 473363.09, 3863377.25	0.01114	0.01044	1.69E-03	1.65E-03	1.59E-03	1.63E-03	1.54E-03	4.48E-04	4.20E-04	8.68E-04	4.37E-04	4.10E-04	8.47E-04	4.32E-04	4.05E-04	8.36E-04
4990 473863.09, 3863377.25	0.0113	0.01054	1.72E-03	1.67E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	4.24E-04	8.79E-04	4.44E-04	4.14E-04	8.58E-04	4.38E-04	4.08E-04	8.46E-04
4991 474363.09, 3863377.25	0.01164	0.01063	1.77E-03	1.68E-03	1.67E-03	1.71E-03	1.61E-03	4.68E-04	4.28E-04	8.96E-04	4.57E-04	4.17E-04	8.75E-04	4.51E-04	4.12E-04	8.63E-04
4992 474863.09, 3863377.25	0.01175	0.01076	1.79E-03	1.70E-03	1.68E-03	1.72E-03	1.63E-03	4.73E-04	4.33E-04	9.06E-04	4.61E-04	4.23E-04	8.84E-04	4.55E-04	4.17E-04	8.72E-04
4993 475363.09, 3863377.25	0.01203	0.01102	1.83E-03	1.74E-03	1.72E-03	1.76E-03	1.66E-03	4.84E-04	4.43E-04	9.28E-04	4.72E-04	4.33E-04	9.05E-04	4.66E-04	4.27E-04	8.93E-04
4994 475863.09, 3863377.25	0.01236	0.01155	1.88E-03	1.83E-03	1.77E-03	1.81E-03	1.71E-03	4.97E-04	4.65E-04	9.62E-04	4.85E-04	4.54E-04	9.39E-04	4.79E-04	4.48E-04	9.26E-04
4995 476363.09, 3863377.25	0.01297	0.01202	1.97E-03	1.90E-03	1.86E-03	1.90E-03	1.79E-03	5.22E-04	4.84E-04	1.01E-03	5.09E-04	4.72E-04	9.81E-04	5.03E-04	4.66E-04	9.68E-04
4996 476863.09, 3863377.25	0.01349	0.0124	2.05E-03	1.96E-03	1.93E-03	1.98E-03	1.87E-03	5.43E-04	4.99E-04	1.04E-03	5.30E-04	4.87E-04	1.02E-03	5.23E-04	4.80E-04	1.00E-03
4997 477363.09, 3863377.25	0.01384	0.01289	2.10E-03	2.04E-03	1.98E-03	2.03E-03	1.91E-03	5.57E-04	5.19E-04	1.08E-03	5.43E-04	5.06E-04	1.05E-03	5.36E-04	4.99E-04	1.04E-03
4998 477863.09, 3863377.25	0.01414	0.01352	2.15E-03	2.14E-03	2.02E-03	2.07E-03	1.96E-03	5.69E-04	5.44E-04	1.11E-03	5.55E-04	5.31E-04	1.09E-03	5.48E-04	5.24E-04	1.07E-03
4999 478363.09, 3863377.25	0.01321	0.01315	2.01E-03	2.08E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	5.29E-04	1.06E-03	5.19E-04	5.16E-04	1.04E-03	5.12E-04	5.10E-04	1.02E-03
5000 478863.09, 3863377.25	0.01349	0.01325	2.05E-03	2.10E-03	1.93E-03	1.98E-03	1.87E-03	5.43E-04	5.33E-04	1.08E-03	5.30E-04	5.20E-04	1.05E-03	5.23E-04	5.13E-04	1.04E-03
5001 479363.09, 3863377.25	0.01377	0.01376	2.09E-03	2.18E-03	1.97E-03	2.02E-03	1.90E-03	5.54E-04	5.54E-04	1.11E-03	5.41E-04	5.40E-04	1.08E-03	5.34E-04	5.33E-04	1.07E-03
5002 479863.09, 3863377.25	0.01432	0.01395	2.18E-03	2.21E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	5.61E-04	1.14E-03	5.62E-04	5.48E-04	1.11E-03	5.55E-04	5.41E-04	1.10E-03
5003 480363.09, 3863377.25	0.01466	0.01416	2.23E-03	2.24E-03	2.10E-03	2.15E-03	2.03E-03	5.90E-04	5.70E-04	1.16E-03	5.76E-04	5.56E-04	1.13E-03	5.68E-04	5.49E-04	1.12E-03
5004 480863.09, 3863377.25	0.01522	0.01468	2.31E-03	2.32E-03	2.18E-03	2.23E-03	2.11E-03	6.13E-04	5.91E-04	1.20E-03	5.98E-04	5.76E-04	1.17E-03	5.90E-04	5.69E-04	1.16E-03
5005 481363.09, 3863377.25	0.01584	0.01522	2.41E-03	2.41E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	6.13E-04	1.25E-03	6.22E-04	5.98E-04	1.22E-03	6.14E-04	5.90E-04	1.20E-03
5006 481863.09, 3863377.25	0.01677	0.01584	2.55E-03	2.51E-03	2.40E-03	2.46E-03	2.32E-03	6.75E-04	6.37E-04	1.31E-03	6.59E-04	6.22E-04	1.28E-03	6.50E-04	6.14E-04	1.26E-03
5007 482363.09, 3863377.25	0.01691	0.01617	2.57E-03	2.56E-03	2.42E-03	2.48E-03	2.34E-03	6.81E-04	6.51E-04	1.33E-03	6.64E-04	6.35E-04	1.30E-03	6.55E-04	6.27E-04	1.28E-03
5008 482863.09, 3863377.25	0.01706	0.01636	2.59E-03	2.59E-03	2.44E-03	2.50E-03	2.36E-03	6.87E-04	6.58E-04	1.34E-03	6.70E-04	6.42E-04	1.31E-03	6.61E-04	6.34E-04	1.29E-03
5009 483363.09, 3863377.25	0.01776	0.01695	2.70E-03	2.68E-03	2.54E-03	2.60E-03	2.46E-03	7.15E-04	6.82E-04	1.40E-03	6.97E-04	6.66E-04	1.36E-03	6.88E-04	6.57E-04	1.34E-03
5010 483863.09, 3863377.25	0.01827	0.01738	2.78E-03	2.75E-03	2.62E-03	2.68E-03	2.53E-03	7.35E-04	6.99E-04	1.43E-03	7.17E-04	6.83E-04	1.40E-03	7.08E-04	6.73E-04	1.38E-03
5011 484363.09, 3863377.25	0.01951	0.01851	2.96E-03	2.93E-03	2.79E-03	2.86E-03	2.70E-03	7.85E-04	7.45E-04	1.53E-03	7.66E-04	7.27E-04	1.49E-03	7.56E-04	7.17E-04	1.47E-03
5012 484863.09, 3863377.25	0.02097	0.01987	3.19E-03	3.15E-03	3.00E-03	3.07E-03	2.90E-03	8.44E-04	8.00E-04	1.64E-03	8.23E-04	7.80E-04	1.60E-03	8.13E-04	7.70E-04	1.58E-03

5013 485363.09, 3863377.25	0.02107	0.02033	3.20E-03	3.22E-03	3.02E-03	3.09E-03	2.91E-03	8.48E-04	8.18E-04	1.67E-03	8.27E-04	7.98E-04	1.63E-03	8.16E-04	7.88E-04	1.60E-03
5014 485863.09, 3863377.25	0.02135	0.02006	3.24E-03	3.18E-03	3.06E-03	3.13E-03	2.95E-03	8.59E-04	8.07E-04	1.67E-03	8.38E-04	7.88E-04	1.63E-03	8.27E-04	7.77E-04	1.60E-03
5015 486363.09, 3863377.25	0.0211	0.02004	3.21E-03	3.17E-03	3.02E-03	3.09E-03	2.92E-03	8.49E-04	8.06E-04	1.66E-03	8.29E-04	7.87E-04	1.62E-03	8.18E-04	7.77E-04	1.59E-03
5016 486863.09, 3863377.25	0.02182	0.02084	3.32E-03	3.30E-03	3.12E-03	3.20E-03	3.02E-03	8.78E-04	8.39E-04	1.72E-03	8.57E-04	8.18E-04	1.68E-03	8.45E-04	8.08E-04	1.65E-03
5017 487363.09, 3863377.25	0.02322	0.02226	3.53E-03	3.52E-03	3.32E-03	3.40E-03	3.21E-03	9.34E-04	8.96E-04	1.83E-03	9.12E-04	8.74E-04	1.79E-03	9.00E-04	8.63E-04	1.76E-03
5018 487863.09, 3863377.25	0.02403	0.02376	3.65E-03	3.76E-03	3.44E-03	3.52E-03	3.32E-03	9.67E-04	9.56E-04	1.92E-03	9.44E-04	9.33E-04	1.88E-03	9.31E-04	9.21E-04	1.85E-03
5019 488363.09, 3863377.25	0.02518	0.02461	3.83E-03	3.90E-03	3.60E-03	3.69E-03	3.48E-03	1.01E-03	9.90E-04	2.00E-03	9.89E-04	9.66E-04	1.96E-03	9.76E-04	9.54E-04	1.93E-03
5020 488863.09, 3863377.25	0.02683	0.02613	4.08E-03	4.14E-03	3.84E-03	3.93E-03	3.71E-03	1.08E-03	1.05E-03	2.13E-03	1.05E-03	1.03E-03	2.08E-03	1.04E-03	1.01E-03	2.05E-03
5021 489363.09, 3863377.25	0.02886	0.027	4.39E-03	4.27E-03	4.13E-03	4.23E-03	3.99E-03	1.16E-03	1.09E-03	2.25E-03	1.13E-03	1.06E-03	2.19E-03	1.12E-03	1.05E-03	2.16E-03
5022 489863.09, 3863377.25	0.03007	0.02847	4.57E-03	4.51E-03	4.30E-03	4.41E-03	4.16E-03	1.21E-03	1.15E-03	2.36E-03	1.18E-03	1.12E-03	2.30E-03	1.17E-03	1.10E-03	2.27E-03
5023 490363.09, 3863377.25	0.03059	0.02986	4.65E-03	4.73E-03	4.38E-03	4.49E-03	4.23E-03	1.23E-03	1.20E-03	2.43E-03	1.20E-03	1.17E-03	2.37E-03	1.19E-03	1.16E-03	2.34E-03
5024 490863.09, 3863377.25	0.03179	0.03186	4.83E-03	5.04E-03	4.55E-03	4.66E-03	4.40E-03	1.28E-03	1.28E-03	2.56E-03	1.25E-03	1.25E-03	2.50E-03	1.23E-03	1.23E-03	2.47E-03
5025 491363.09, 3863377.25	0.03425	0.03465	5.20E-03	5.49E-03	4.90E-03	5.02E-03	4.74E-03	1.38E-03	1.39E-03	2.77E-03	1.34E-03	1.36E-03	2.71E-03	1.33E-03	1.34E-03	2.67E-03
5026 491863.09, 3863377.25	0.0356	0.03503	5.41E-03	5.55E-03	5.10E-03	5.22E-03	4.92E-03	1.43E-03	1.41E-03	2.84E-03	1.40E-03	1.38E-03	2.77E-03	1.38E-03	1.36E-03	2.74E-03
5027 492363.09, 3863377.25	0.0353	0.03595	5.36E-03	5.69E-03	5.05E-03	5.18E-03	4.88E-03	1.42E-03	1.45E-03	2.87E-03	1.39E-03	1.41E-03	2.80E-03	1.37E-03	1.39E-03	2.76E-03
5028 492863.09, 3863377.25	0.0335	0.03404	5.09E-03	5.39E-03	4.80E-03	4.91E-03	4.63E-03	1.35E-03	1.37E-03	2.72E-03	1.32E-03	1.34E-03	2.65E-03	1.30E-03	1.32E-03	2.62E-03
5029 493363.09, 3863377.25	0.03209	0.03038	4.88E-03	4.81E-03	4.59E-03	4.71E-03	4.44E-03	1.29E-03	1.22E-03	2.51E-03	1.26E-03	1.19E-03	2.45E-03	1.24E-03	1.18E-03	2.42E-03
5030 493863.09, 3863377.25	0.03593	0.03678	5.46E-03	5.82E-03	5.14E-03	5.27E-03	4.97E-03	1.45E-03	1.48E-03	2.93E-03	1.41E-03	1.44E-03	2.86E-03	1.39E-03	1.43E-03	2.82E-03
5031 494363.09, 3863377.25	0.03947	0.03879	6.00E-03	6.14E-03	5.65E-03	5.79E-03	5.46E-03	1.59E-03	1.56E-03	3.15E-03	1.55E-03	1.52E-03	3.07E-03	1.53E-03	1.50E-03	3.03E-03
5032 494863.09, 3863377.25	0.03715	0.03741	5.65E-03	5.92E-03	5.32E-03	5.45E-03	5.14E-03	1.50E-03	1.51E-03	3.00E-03	1.46E-03	1.47E-03	2.93E-03	1.44E-03	1.45E-03	2.89E-03
5033 495363.09, 3863377.25	0.03691	0.03575	5.61E-03	5.66E-03	5.28E-03	5.41E-03	5.10E-03	1.49E-03	1.44E-03	2.92E-03	1.45E-03	1.40E-03	2.85E-03	1.43E-03	1.39E-03	2.82E-03
5034 495863.09, 3863377.25	0.03323	0.03214	5.05E-03	5.09E-03	4.76E-03	4.87E-03	4.60E-03	1.34E-03	1.29E-03	2.63E-03	1.30E-03	1.26E-03	2.57E-03	1.29E-03	1.25E-03	2.53E-03
5035 496363.09, 3863377.25	0.0535	0.05374	8.13E-03	8.51E-03	7.66E-03	7.84E-03	7.40E-03	2.15E-03	2.16E-03	4.32E-03	2.10E-03	2.11E-03	4.21E-03	2.07E-03	2.08E-03	4.16E-03
5036 496863.09, 3863377.25	0.04865	0.04923	7.39E-03	7.79E-03	6.96E-03	7.13E-03	6.73E-03	1.96E-03	1.98E-03	3.94E-03	1.91E-03	1.93E-03	3.84E-03	1.89E-03	1.91E-03	3.79E-03
5037 497363.09, 3863377.25	0.04864	0.04684	7.39E-03	7.42E-03	6.96E-03	7.13E-03	6.73E-03	1.96E-03	1.88E-03	3.84E-03	1.91E-03	1.84E-03	3.75E-03	1.88E-03	1.81E-03	3.70E-03
5038 497863.09, 3863377.25	0.04772	0.04668	7.25E-03	7.39E-03	6.83E-03	7.00E-03	6.60E-03	1.92E-03	1.88E-03	3.80E-03	1.87E-03	1.83E-03	3.71E-03	1.85E-03	1.81E-03	3.66E-03
5039 498363.09, 3863377.25	0.04682	0.0476	7.11E-03	7.54E-03	6.70E-03	6.87E-03	6.48E-03	1.88E-03	1.92E-03	3.80E-03	1.84E-03	1.87E-03	3.71E-03	1.81E-03	1.84E-03	3.66E-03
5040 471363.09, 3863877.25	0.01011	0.00965	1.54E-03	1.53E-03	1.45E-03	1.48E-03	1.40E-03	4.07E-04	3.88E-04	7.95E-04	3.97E-04	3.79E-04	7.76E-04	3.92E-04	3.74E-04	7.66E-04
5041 471863.09, 3863877.25	0.01037	0.00979	1.58E-03	1.55E-03	1.48E-03	1.52E-03	1.43E-03	4.17E-04	3.94E-04	8.11E-04	4.07E-04	3.84E-04	7.92E-04	4.02E-04	3.79E-04	7.81E-04
5042 472363.09, 3863877.25	0.01055	0.00996	1.60E-03	1.58E-03	1.51E-03	1.55E-03	1.46E-03	4.25E-04	4.01E-04	8.25E-04	4.14E-04	3.91E-04	8.05E-04	4.09E-04	3.86E-04	7.95E-04
5043 472863.09, 3863877.25	0.01073	0.01008	1.63E-03	1.60E-03	1.54E-03	1.57E-03	1.48E-03	4.32E-04	4.06E-04	8.37E-04	4.21E-04	3.96E-04	8.17E-04	4.16E-04	3.91E-04	8.06E-04
5044 473363.09, 3863877.25	0.01096	0.01023	1.67E-03	1.62E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	4.12E-04	8.53E-04	4.30E-04	4.02E-04	8.32E-04	4.25E-04	3.96E-04	8.21E-04
5045 473863.09, 3863877.25	0.01111	0.01035	1.69E-03	1.64E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	4.17E-04	8.64E-04	4.36E-04	4.06E-04	8.43E-04	4.30E-04	4.01E-04	8.32E-04
5046 474363.09, 3863877.25	0.01125	0.01045	1.71E-03	1.65E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	4.21E-04	8.73E-04	4.42E-04	4.10E-04	8.52E-04	4.36E-04	4.05E-04	8.41E-04
5047 474863.09, 3863877.25	0.01146	0.01059	1.74E-03	1.68E-03	1.64E-03	1.68E-03	1.58E-03	4.61E-04	4.26E-04	8.87E-04	4.50E-04	4.16E-04	8.66E-04	4.44E-04	4.10E-04	8.54E-04
5048 475363.09, 3863877.25	0.01151	0.01081	1.75E-03	1.71E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	4.35E-04	8.98E-04	4.52E-04	4.25E-04	8.77E-04	4.46E-04	4.19E-04	8.65E-04
5049 475863.09, 3863877.25	0.01161	0.01117	1.76E-03	1.77E-03	1.66E-03	1.70E-03	1.61E-03	4.67E-04	4.50E-04	9.17E-04	4.56E-04	4.39E-04	8.95E-04	4.50E-04	4.33E-04	8.83E-04
5050 476363.09, 3863877.25	0.01229	0.01162	1.87E-03	1.84E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	4.68E-04	9.62E-04	4.83E-04	4.56E-04	9.39E-04	4.76E-04	4.50E-04	9.26E-04
5051 476863.09, 3863877.25	0.01281	0.01207	1.95E-03	1.91E-03	1.83E-03	1.88E-03	1.77E-03	5.16E-04	4.86E-04	1.00E-03	5.03E-04	4.74E-04	9.77E-04	4.96E-04	4.68E-04	9.64E-04
5052 477363.09, 3863877.25	0.01338	0.01248	2.03E-03	1.98E-03	1.92E-03	1.96E-03	1.85E-03	5.38E-04	5.02E-04	1.04E-03	5.25E-04	4.90E-04	1.02E-03	5.18E-04	4.84E-04	1.00E-03
5053 477863.09, 3863877.25	0.01338	0.01275	2.03E-03	2.02E-03	1.92E-03	1.96E-03	1.85E-03	5.38E-04	5.13E-04	1.05E-03	5.25E-04	5.01E-04	1.03E-03	5.18E-04	4.94E-04	1.01E-03
5054 478363.09, 3863877.25	0.01317	0.0129	2.00E-03	2.04E-03	1.89E-03	1.93E-03	1.82E-03	5.30E-04	5.19E-04	1.05E-03	5.17E-04	5.07E-04	1.02E-03	5.10E-04	5.00E-04	1.01E-03
5055 478863.09, 3863877.25	0.01357	0.01322	2.06E-03	2.09E-03	1.94E-03	1.99E-03	1.88E-03	5.46E-04	5.32E-04	1.08E-03	5.33E-04	5.19E-04	1.05E-03	5.26E-04	5.12E-04	1.04E-03
5056 479363.09, 3863877.25	0.01365	0.01325	2.07E-03	2.10E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	5.33E-04	1.08E-03	5.36E-04	5.20E-04	1.06E-03	5.29E-04	5.13E-04	1.04E-03
5057 479863.09, 3863877.25	0.01372	0.01339	2.08E-03	2.12E-03	1.96E-03	2.01E-03	1.90E-03	5.52E-04	5.39E-04	1.09E-03	5.39E-04	5.26E-04	1.06E-03	5.32E-04	5.19E-04	1.05E-03
5058 480363.09, 3863877.25	0.01404	0.01378	2.13E-03	2.18E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.55E-04	1.12E-03	5.51E-04	5.41E-04	1.09E-03	5.44E-04	5.34E-04	1.08E-03
5059 480863.09, 3863877.25	0.01476	0.01438	2.24E-03	2.28E-03	2.11E-03	2.16E-03	2.04E-03	5.94E-04	5.79E-04	1.17E-03	5.80E-04	5.65E-04	1.14E-03	5.72E-04	5.57E-04	1.13E-03
5060 481363.09, 3863877.25	0.01546	0.01488	2.35E-03	2.36E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	5.99E-04	1.22E-03	6.07E-04	5.84E-04	1.19E-03	5.99E-04	5.77E-04	1.18E-03
5061 481863.09, 3863877.25	0.01639	0.01538	2.49E-03	2.44E-03	2.35E-03	2.40E-03	2.27E-03	6.60E-04	6.19E-04	1.28E-03	6.44E-04	6.04E-04	1.25E-03	6.35E-04	5.96E-04	1.23E-03
5062 482363.09, 3863877.25	0.01668	0.0157	2.53E-03	2.49E-03	2.39E-03	2.45E-03	2.31E-03	6.71E-04	6.32E-04	1.30E-03	6.55E-04	6.17E-04	1.27E-03	6.46E-04	6.08E-04	1.25E-03
5063 482863.09, 3863877.25	0.01664	0.01589	2.53E-03	2.52E-03	2.38E-03	2.44E-03	2.30E-03	6.70E-04	6.39E-04	1.31E-03	6.53E-04	6.24E-04	1.28E-03	6.45E-04	6.16E-04	1.26E-03
5064 483363.09, 3863877.25	0.01694	0.01626	2.57E-03	2.57E-03	2.43E-03	2.48E-03	2.34E-03	6.82E-04	6.54E-04	1.34E-03	6.65E-04	6.39E-04	1.30E-03	6.56E-04	6.30E-04	1.29E-03
5065 483863.09, 3863877.25	0.01752	0.01671	2.66E-03	2.65E-03	2.51E-03	2.57E-03	2.42E-03	7.05E-04	6.72E-04	1.38E-03	6.88E-04	6.56E-04	1.34E-03	6.79E-04	6.47E-04	1.33E-03
5066 484363.09, 3863877.25	0.01768	0.01714	2.69E-03	2.71E-03	2.53E-03	2.59E-03	2.45E-03	7.11E-04	6.90E-04	1.40E-03	6.94E-04	6.73E-04	1.37E-03	6.85E-04	6.64E-04	1.35E-03
5067 484863.09, 3863877.25	0.01753	0.0172	2.66E-03	2.72E-03	2.51E-03	2.57E-03	2.42E-03	7.05E-04	6.92E-04	1.40E-03	6.88E-04	6.75E-04	1.36E-03	6.79E-04	6.66E-04	1.35E-03
5068 485363.09, 3863877.25	0.01748	0.01733	2.66E-03	2.74E-03	2.50E-03	2.56E-03	2.42E-03	7.03E-04	6.97E-04	1.40E-03	6.86E-04	6.81E-04	1.37E-03	6.77E-04	6.72E-04	1.35E-03
5069 485863.09, 3863877.25	0.0176	0.01755	2.67E-03	2.78E-03	2.52E-03	2.58E-03	2.43E-03	7.08E-04	7.06E-04	1.41E-03	6.91E-04	6.89E-04	1.38E-03	6.82E-04	6.80E-04	1.36E-03
5070 486363.09, 3863877.25	0.018	0.01797	2.74E-03	2.85E-03	2.58E-03	2.64E-03	2.49E-03	7.24E-04	7.23E-04	1.45E-03	7.07E-04	7.06E-04	1.41E-03	6.97E-04	6.96E-04	1.39E-03
5071 486863.09, 3863877.25	0.01866	0.0186	2.84E-03	2.94E-03	2.67E-03	2.74E-03	2.58E-03	7.51E-04	7.49E-04	1.50E-03	7.33E-04	7.30E-04	1.46E-03	7.23E-04	7.21E-04	1.44E-03
5072 487363.09, 3863877.25	0.02005	0.01934	3.05E-03	3.06E-03	2.87E-03	2.94E-03	2.77E-03	8.07E-04	7.78E-04	1.59E-03	7.87E-04	7.59E-04	1.55E-03	7.77E-04	7.49E-04	1.53E-03
5073 487863.09, 3863877.25	0.02091	0.02073	3.18E-03	3.28E-03	2.99E-03	3.07E-03	2.89E-03	8.41E-04	8.34E-04	1.68E-03	8.21E-04	8.14E-04	1.64E-03	8.10E-04	8.03E-04	1.61E-03
5074 488363.09, 3863877.25	0.0219	0.02153	3.33E-03	3.41E-03	3.14E-03	3.21E-03	3.03E-03	8.81E-04	8.66E-04	1.75E-03	8.60E-04	8.45E-04	1.71E-03	8.49E-04	8.34E-04	1.68E-03
5075 488863.09, 3863877.25	0.02366	0.02186	3.60E-03	3.46E-03	3.39E-03	3.47E-03	3.27E-03	9.52E-04	8.80E-04	1.83E-03	9.29E-04	8.58E-04	1.79E-03	9.17E-04	8.47E-04	1.76E-03
5076 489363.09, 3863877.25	0.02546	0.02322	3.87E-03	3.68E-03	3.64E-03	3.73E-03	3.52E-03	1.02E-03	9.34E-04	1.96E-03	1.00E-03	9.12E-04	1.91E-03	9.87E-04	9.00E-04	1.89E-03
5077 489863.09, 3863877.25	0.02723	0.02507	4.14E-03	3.97E-03	3.90E-03	3.99E-03	3.77E-03	1.10E-03	1.01E-03	2.10E-03	1.07E-03	9.84E-04	2.05E-03	1.06E-03	9.71E-04	2.03E-03
5078 490363.09, 3863877.25	0.02759	0.02656	4.19E-03	4.21E-03	3.95E-03	4.05E-03	3.82E-03	1.11E-03	1.07E-03	2.18E-03	1.08E-03	1.04E-03	2.13E-03	1.07E-03	1.03E-03	2.10E-03

5079 490863.09, 3863877.25	0.02828	0.0275	4.30E-03	4.35E-03	4.05E-03	4.15E-03	3.91E-03	1.14E-03	1.11E-03	2.24E-03	1.11E-03	1.08E-03	2.19E-03	1.10E-03	1.07E-03	2.16E-03
5080 491363.09, 3863877.25	0.02777	0.02849	4.22E-03	4.51E-03	3.98E-03	4.07E-03	3.84E-03	1.12E-03	1.15E-03	2.26E-03	1.09E-03	1.12E-03	2.21E-03	1.08E-03	1.10E-03	2.18E-03
5081 491863.09, 3863877.25	0.02772	0.02836	4.21E-03	4.49E-03	3.97E-03	4.06E-03	3.83E-03	1.12E-03	1.14E-03	2.26E-03	1.09E-03	1.11E-03	2.20E-03	1.07E-03	1.10E-03	2.17E-03
5082 492363.09, 3863877.25	0.02437	0.02478	3.70E-03	3.92E-03	3.49E-03	3.57E-03	3.37E-03	9.81E-04	9.97E-04	1.98E-03	9.57E-04	9.73E-04	1.93E-03	9.44E-04	9.60E-04	1.90E-03
5083 492863.09, 3863877.25	0.02096	0.02157	3.18E-03	3.42E-03	3.00E-03	3.07E-03	2.90E-03	8.43E-04	8.68E-04	1.71E-03	8.23E-04	8.47E-04	1.67E-03	8.12E-04	8.36E-04	1.65E-03
5084 493363.09, 3863877.25	0.02153	0.02267	3.27E-03	3.59E-03	3.08E-03	3.16E-03	2.98E-03	8.66E-04	9.12E-04	1.78E-03	8.45E-04	8.90E-04	1.74E-03	8.34E-04	8.78E-04	1.71E-03
5085 493863.09, 3863877.25	0.02444	0.02406	3.71E-03	3.81E-03	3.50E-03	3.58E-03	3.38E-03	9.84E-04	9.68E-04	1.95E-03	9.60E-04	9.45E-04	1.90E-03	9.47E-04	9.32E-04	1.88E-03
5086 494363.09, 3863877.25	0.02728	0.02569	4.15E-03	4.07E-03	3.91E-03	4.00E-03	3.77E-03	1.10E-03	1.03E-03	2.13E-03	1.07E-03	1.01E-03	2.08E-03	1.06E-03	9.95E-04	2.05E-03
5087 494863.09, 3863877.25	0.02575	0.02649	3.91E-03	4.19E-03	3.69E-03	3.78E-03	3.56E-03	1.04E-03	1.07E-03	2.10E-03	1.01E-03	1.04E-03	2.05E-03	9.98E-04	1.03E-03	2.02E-03
5088 495363.09, 3863877.25	0.02477	0.02412	3.76E-03	3.82E-03	3.55E-03	3.63E-03	3.43E-03	9.97E-04	9.71E-04	1.97E-03	9.73E-04	9.47E-04	1.92E-03	9.60E-04	9.35E-04	1.89E-03
5089 495863.09, 3863877.25	0.02558	0.02437	3.89E-03	3.86E-03	3.66E-03	3.75E-03	3.54E-03	1.03E-03	9.81E-04	2.01E-03	1.00E-03	9.57E-04	1.96E-03	9.91E-04	9.44E-04	1.94E-03
5090 496363.09, 3863877.25	0.03232	0.03151	4.91E-03	4.99E-03	4.63E-03	4.74E-03	4.47E-03	1.30E-03	1.27E-03	2.57E-03	1.27E-03	1.24E-03	2.51E-03	1.25E-03	1.22E-03	2.47E-03
5091 496863.09, 3863877.25	0.03557	0.03443	5.40E-03	5.45E-03	5.09E-03	5.22E-03	4.92E-03	1.43E-03	1.39E-03	2.82E-03	1.40E-03	1.35E-03	2.75E-03	1.38E-03	1.33E-03	2.71E-03
5092 497363.09, 3863877.25	0.03306	0.03309	5.02E-03	5.24E-03	4.73E-03	4.85E-03	4.57E-03	1.33E-03	1.33E-03	2.66E-03	1.30E-03	1.30E-03	2.60E-03	1.28E-03	1.28E-03	2.56E-03
5093 497863.09, 3863877.25	0.0332	0.0322	5.04E-03	5.10E-03	4.75E-03	4.87E-03	4.59E-03	1.34E-03	1.30E-03	2.63E-03	1.30E-03	1.26E-03	2.57E-03	1.29E-03	1.25E-03	2.53E-03
5094 498363.09, 3863877.25	0.03222	0.03246	4.90E-03	5.14E-03	4.61E-03	4.72E-03	4.46E-03	1.30E-03	1.31E-03	2.60E-03	1.27E-03	1.27E-03	2.54E-03	1.25E-03	1.26E-03	2.51E-03
5095 471363.09, 3864377.25	0.00994	0.0094	1.51E-03	1.49E-03	1.42E-03	1.46E-03	1.37E-03	4.00E-04	3.78E-04	7.78E-04	3.90E-04	3.69E-04	7.59E-04	3.85E-04	3.64E-04	7.49E-04
5096 471863.09, 3864377.25	0.0101	0.00944	1.53E-03	1.49E-03	1.45E-03	1.48E-03	1.40E-03	4.06E-04	3.80E-04	7.86E-04	3.97E-04	3.71E-04	7.67E-04	3.91E-04	3.66E-04	7.57E-04
5097 472363.09, 3864377.25	0.01032	0.00964	1.57E-03	1.53E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	3.88E-04	8.03E-04	4.05E-04	3.79E-04	7.84E-04	4.00E-04	3.74E-04	7.73E-04
5098 472863.09, 3864377.25	0.01051	0.00982	1.60E-03	1.55E-03	1.50E-03	1.54E-03	1.45E-03	4.23E-04	3.95E-04	8.18E-04	4.13E-04	3.86E-04	7.98E-04	4.07E-04	3.81E-04	7.88E-04
5099 473363.09, 3864377.25	0.01075	0.00994	1.63E-03	1.57E-03	1.54E-03	1.58E-03	1.49E-03	4.33E-04	4.00E-04	8.33E-04	4.22E-04	3.90E-04	8.12E-04	4.17E-04	3.85E-04	8.02E-04
5100 473863.09, 3864377.25	0.01094	0.01008	1.66E-03	1.60E-03	1.57E-03	1.60E-03	1.51E-03	4.40E-04	4.06E-04	8.46E-04	4.30E-04	3.96E-04	8.25E-04	4.24E-04	3.91E-04	8.14E-04
5101 474363.09, 3864377.25	0.01103	0.01023	1.68E-03	1.62E-03	1.58E-03	1.62E-03	1.53E-03	4.44E-04	4.12E-04	8.56E-04	4.33E-04	4.02E-04	8.35E-04	4.27E-04	3.96E-04	8.24E-04
5102 474863.09, 3864377.25	0.01111	0.01036	1.69E-03	1.64E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	4.17E-04	8.64E-04	4.36E-04	4.07E-04	8.43E-04	4.30E-04	4.01E-04	8.32E-04
5103 475363.09, 3864377.25	0.01127	0.01053	1.71E-03	1.67E-03	1.61E-03	1.65E-03	1.56E-03	4.54E-04	4.24E-04	8.77E-04	4.43E-04	4.14E-04	8.56E-04	4.37E-04	4.08E-04	8.45E-04
5104 475863.09, 3864377.25	0.01153	0.01094	1.75E-03	1.73E-03	1.65E-03	1.69E-03	1.59E-03	4.64E-04	4.40E-04	9.04E-04	4.53E-04	4.30E-04	8.82E-04	4.47E-04	4.24E-04	8.71E-04
5105 476363.09, 3864377.25	0.01201	0.01146	1.82E-03	1.81E-03	1.72E-03	1.76E-03	1.66E-03	4.83E-04	4.61E-04	9.45E-04	4.72E-04	4.50E-04	9.22E-04	4.65E-04	4.44E-04	9.09E-04
5106 476863.09, 3864377.25	0.01258	0.01198	1.91E-03	1.90E-03	1.80E-03	1.84E-03	1.74E-03	5.06E-04	4.82E-04	9.88E-04	4.94E-04	4.70E-04	9.64E-04	4.87E-04	4.64E-04	9.52E-04
5107 477363.09, 3864377.25	0.01298	0.01229	1.97E-03	1.95E-03	1.86E-03	1.90E-03	1.80E-03	5.22E-04	4.95E-04	1.02E-03	5.10E-04	4.83E-04	9.92E-04	5.03E-04	4.76E-04	9.79E-04
5108 477863.09, 3864377.25	0.01302	0.01242	1.98E-03	1.97E-03	1.86E-03	1.91E-03	1.80E-03	5.24E-04	5.00E-04	1.02E-03	5.11E-04	4.88E-04	9.99E-04	5.05E-04	4.81E-04	9.86E-04
5109 478363.09, 3864377.25	0.01304	0.01253	1.98E-03	1.98E-03	1.87E-03	1.91E-03	1.80E-03	5.25E-04	5.04E-04	1.03E-03	5.12E-04	4.92E-04	1.00E-03	5.05E-04	4.86E-04	9.91E-04
5110 478863.09, 3864377.25	0.01309	0.01256	1.99E-03	1.99E-03	1.87E-03	1.92E-03	1.81E-03	5.27E-04	5.05E-04	1.03E-03	5.14E-04	4.93E-04	1.01E-03	5.07E-04	4.87E-04	9.94E-04
5111 479363.09, 3864377.25	0.01304	0.01254	1.98E-03	1.99E-03	1.87E-03	1.91E-03	1.80E-03	5.25E-04	5.05E-04	1.03E-03	5.12E-04	4.92E-04	1.00E-03	5.05E-04	4.86E-04	9.91E-04
5112 479863.09, 3864377.25	0.01301	0.01246	1.98E-03	1.97E-03	1.86E-03	1.91E-03	1.80E-03	5.24E-04	5.01E-04	1.02E-03	5.11E-04	4.89E-04	1.00E-03	5.04E-04	4.83E-04	9.87E-04
5113 480363.09, 3864377.25	0.013	0.01247	1.98E-03	1.97E-03	1.86E-03	1.91E-03	1.80E-03	5.23E-04	5.02E-04	1.02E-03	5.11E-04	4.90E-04	1.00E-03	5.04E-04	4.83E-04	9.87E-04
5114 480863.09, 3864377.25	0.01327	0.01287	2.02E-03	2.04E-03	1.90E-03	1.95E-03	1.84E-03	5.34E-04	5.18E-04	1.05E-03	5.21E-04	5.05E-04	1.03E-03	5.14E-04	4.99E-04	1.01E-03
5115 481363.09, 3864377.25	0.0136	0.01327	2.07E-03	2.10E-03	1.95E-03	1.99E-03	1.88E-03	5.47E-04	5.34E-04	1.08E-03	5.34E-04	5.21E-04	1.06E-03	5.27E-04	5.14E-04	1.04E-03
5116 481863.09, 3864377.25	0.01403	0.01368	2.13E-03	2.17E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.51E-04	1.12E-03	5.51E-04	5.37E-04	1.09E-03	5.44E-04	5.30E-04	1.07E-03
5117 482363.09, 3864377.25	0.01442	0.01407	2.19E-03	2.23E-03	2.06E-03	2.11E-03	1.99E-03	5.80E-04	5.66E-04	1.15E-03	5.66E-04	5.53E-04	1.12E-03	5.59E-04	5.45E-04	1.10E-03
5118 482863.09, 3864377.25	0.01466	0.01438	2.23E-03	2.28E-03	2.10E-03	2.15E-03	2.03E-03	5.90E-04	5.79E-04	1.17E-03	5.76E-04	5.65E-04	1.14E-03	5.68E-04	5.57E-04	1.13E-03
5119 483363.09, 3864377.25	0.01518	0.01468	2.31E-03	2.32E-03	2.17E-03	2.23E-03	2.10E-03	6.11E-04	5.91E-04	1.20E-03	5.96E-04	5.76E-04	1.17E-03	5.88E-04	5.69E-04	1.16E-03
5120 483863.09, 3864377.25	0.01554	0.01492	2.36E-03	2.36E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	6.00E-04	1.23E-03	6.10E-04	5.86E-04	1.20E-03	6.02E-04	5.78E-04	1.18E-03
5121 484363.09, 3864377.25	0.01554	0.01501	2.36E-03	2.38E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	6.04E-04	1.23E-03	6.10E-04	5.89E-04	1.20E-03	6.02E-04	5.82E-04	1.18E-03
5122 484863.09, 3864377.25	0.01566	0.01539	2.38E-03	2.44E-03	2.24E-03	2.30E-03	2.17E-03	6.30E-04	6.19E-04	1.25E-03	6.15E-04	6.04E-04	1.22E-03	6.07E-04	5.96E-04	1.20E-03
5123 485363.09, 3864377.25	0.01625	0.01608	2.47E-03	2.55E-03	2.33E-03	2.38E-03	2.25E-03	6.54E-04	6.47E-04	1.30E-03	6.38E-04	6.31E-04	1.27E-03	6.30E-04	6.23E-04	1.25E-03
5124 485863.09, 3864377.25	0.01652	0.01641	2.51E-03	2.60E-03	2.36E-03	2.42E-03	2.28E-03	6.65E-04	6.60E-04	1.33E-03	6.49E-04	6.44E-04	1.29E-03	6.40E-04	6.36E-04	1.28E-03
5125 486363.09, 3864377.25	0.01693	0.01691	2.57E-03	2.68E-03	2.42E-03	2.48E-03	2.34E-03	6.81E-04	6.81E-04	1.36E-03	6.65E-04	6.64E-04	1.33E-03	6.56E-04	6.55E-04	1.31E-03
5126 486863.09, 3864377.25	0.01743	0.01744	2.65E-03	2.76E-03	2.50E-03	2.56E-03	2.41E-03	7.01E-04	7.02E-04	1.40E-03	6.84E-04	6.85E-04	1.37E-03	6.75E-04	6.76E-04	1.35E-03
5127 487363.09, 3864377.25	0.01822	0.01807	2.77E-03	2.86E-03	2.61E-03	2.67E-03	2.52E-03	7.33E-04	7.27E-04	1.46E-03	7.15E-04	7.10E-04	1.43E-03	7.06E-04	7.00E-04	1.41E-03
5128 487863.09, 3864377.25	0.01947	0.01907	2.96E-03	3.02E-03	2.79E-03	2.85E-03	2.69E-03	7.84E-04	7.67E-04	1.55E-03	7.65E-04	7.49E-04	1.51E-03	7.54E-04	7.39E-04	1.49E-03
5129 488363.09, 3864377.25	0.02079	0.02024	3.16E-03	3.20E-03	2.98E-03	3.05E-03	2.88E-03	8.37E-04	8.15E-04	1.65E-03	8.16E-04	7.95E-04	1.61E-03	8.06E-04	7.84E-04	1.59E-03
5130 488863.09, 3864377.25	0.02086	0.02023	3.17E-03	3.20E-03	2.99E-03	3.06E-03	2.89E-03	8.39E-04	8.14E-04	1.65E-03	8.19E-04	7.94E-04	1.61E-03	8.08E-04	7.84E-04	1.59E-03
5131 489363.09, 3864377.25	0.02226	0.02077	3.38E-03	3.29E-03	3.19E-03	3.26E-03	3.08E-03	8.96E-04	8.36E-04	1.73E-03	8.74E-04	8.16E-04	1.69E-03	8.63E-04	8.05E-04	1.67E-03
5132 489863.09, 3864377.25	0.02372	0.02127	3.60E-03	3.37E-03	3.40E-03	3.48E-03	3.28E-03	9.55E-04	8.56E-04	1.81E-03	9.31E-04	8.35E-04	1.77E-03	9.19E-04	8.24E-04	1.74E-03
5133 490363.09, 3864377.25	0.02367	0.02248	3.60E-03	3.56E-03	3.39E-03	3.47E-03	3.27E-03	9.53E-04	9.05E-04	1.86E-03	9.30E-04	8.83E-04	1.81E-03	9.17E-04	8.71E-04	1.79E-03
5134 490863.09, 3864377.25	0.02465	0.02352	3.75E-03	3.72E-03	3.53E-03	3.61E-03	3.41E-03	9.92E-04	9.47E-04	1.94E-03	9.68E-04	9.24E-04	1.89E-03	9.55E-04	9.11E-04	1.87E-03
5135 491363.09, 3864377.25	0.02255	0.02313	3.43E-03	3.66E-03	3.23E-03	3.31E-03	3.12E-03	9.07E-04	9.31E-04	1.84E-03	8.86E-04	9.08E-04	1.79E-03	8.74E-04	8.96E-04	1.77E-03
5136 491863.09, 3864377.25	0.01124	0.01266	1.71E-03	2.00E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	5.09E-04	9.62E-04	4.41E-04	4.97E-04	9.39E-04	4.36E-04	4.91E-04	9.26E-04
5137 492363.09, 3864377.25	0.01606	0.01785	2.44E-03	2.83E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	7.18E-04	1.36E-03	6.31E-04	7.01E-04	1.33E-03	6.22E-04	6.92E-04	1.31E-03
5138 492863.09, 3864377.25	0.01191	0.01276	1.81E-03	2.02E-03	1.71E-03	1.75E-03	1.65E-03	4.79E-04	5.14E-04	9.93E-04	4.68E-04	5.01E-04	9.69E-04	4.61E-04	4.94E-04	9.56E-04
5139 493363.09, 3864377.25	0.01428	0.01459	2.17E-03	2.31E-03	2.04E-03	2.09E-03	1.98E-03	5.75E-04	5.87E-04	1.16E-03	5.61E-04	5.73E-04	1.13E-03	5.53E-04	5.65E-04	1.12E-03
5140 493863.09, 3864377.25	0.01737	0.01744	2.64E-03	2.76E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.02E-04	1.40E-03	6.82E-04	6.85E-04	1.37E-03	6.73E-04	6.76E-04	1.35E-03
5141 494363.09, 3864377.25	0.01982	0.01933	3.01E-03	3.06E-03	2.84E-03	2.91E-03	2.74E-03	7.98E-04	7.78E-04	1.58E-03	7.78E-04	7.59E-04	1.54E-03	7.68E-04	7.49E-04	1.52E-03
5142 494863.09, 3864377.25	0.02158	0.02069	3.28E-03	3.28E-03	3.09E-03	3.16E-03	2.98E-03	8.68E-04	8.33E-04	1.70E-03	8.47E-04	8.12E-04	1.66E-03	8.36E-04	8.02E-04	1.64E-03
5143 495363.09, 3864377.25	0.01914	0.01832	2.91E-03	2.90E-03	2.74E-03	2.81E-03	2.65E-03	7.70E-04	7.37E-04	1.51E-03	7.52E-04	7.19E-04	1.47E-03	7.42E-04	7.10E-04	1.45E-03
5144 495863.09, 3864377.25	0.01791	0.01748	2.72E-03	2.77E-03	2.56E-03	2.63E-03	2.48E-03	7.21E-04	7.03E-04	1.42E-03	7.03E-04	6.86E-04	1.39E-03	6.94E-04	6.77E-04	1.37E-03

5145 496363.09, 3864377.25	0.02132	0.01775	3.24E-03	2.81E-03	3.05E-03	3.13E-03	2.95E-03	8.58E-04	7.14E-04	1.57E-03	8.37E-04	6.97E-04	1.53E-03	8.26E-04	6.88E-04	1.51E-03
5146 496863.09, 3864377.25	0.02364	0.02245	3.59E-03	3.55E-03	3.38E-03	3.47E-03	3.27E-03	9.51E-04	9.03E-04	1.85E-03	9.28E-04	8.82E-04	1.81E-03	9.16E-04	8.70E-04	1.79E-03
5147 497363.09, 3864377.25	0.02491	0.02491	3.79E-03	3.94E-03	3.57E-03	3.65E-03	3.45E-03	1.00E-03	1.00E-03	2.00E-03	9.78E-04	9.78E-04	1.96E-03	9.65E-04	9.65E-04	1.93E-03
5148 497863.09, 3864377.25	0.02371	0.02396	3.60E-03	3.79E-03	3.39E-03	3.48E-03	3.28E-03	9.54E-04	9.64E-04	1.92E-03	9.31E-04	9.41E-04	1.87E-03	9.19E-04	9.28E-04	1.85E-03
5149 498363.09, 3864377.25	0.0254	0.02521	3.86E-03	3.99E-03	3.64E-03	3.72E-03	3.51E-03	1.02E-03	1.01E-03	2.04E-03	9.97E-04	9.90E-04	1.99E-03	9.84E-04	9.77E-04	1.96E-03
5150 471363.09, 3864877.25	0.00975	0.00925	1.48E-03	1.46E-03	1.40E-03	1.43E-03	1.35E-03	3.92E-04	3.72E-04	7.65E-04	3.83E-04	3.63E-04	7.46E-04	3.78E-04	3.58E-04	7.36E-04
5151 471863.09, 3864877.25	0.00991	0.00938	1.51E-03	1.49E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	3.77E-04	7.76E-04	3.89E-04	3.68E-04	7.58E-04	3.84E-04	3.63E-04	7.47E-04
5152 472363.09, 3864877.25	0.01016	0.00961	1.54E-03	1.52E-03	1.45E-03	1.49E-03	1.41E-03	4.09E-04	3.87E-04	7.96E-04	3.99E-04	3.77E-04	7.76E-04	3.94E-04	3.72E-04	7.66E-04
5153 472863.09, 3864877.25	0.01035	0.00972	1.57E-03	1.54E-03	1.48E-03	1.52E-03	1.43E-03	4.17E-04	3.91E-04	8.08E-04	4.06E-04	3.82E-04	7.88E-04	4.01E-04	3.77E-04	7.78E-04
5154 473363.09, 3864877.25	0.01044	0.00988	1.59E-03	1.56E-03	1.49E-03	1.53E-03	1.44E-03	4.20E-04	3.98E-04	8.18E-04	4.10E-04	3.88E-04	7.98E-04	4.05E-04	3.83E-04	7.87E-04
5155 473863.09, 3864877.25	0.01044	0.01	1.59E-03	1.58E-03	1.49E-03	1.53E-03	1.44E-03	4.20E-04	4.02E-04	8.23E-04	4.10E-04	3.93E-04	8.03E-04	4.05E-04	3.87E-04	7.92E-04
5156 474363.09, 3864877.25	0.01055	0.01013	1.60E-03	1.60E-03	1.51E-03	1.55E-03	1.46E-03	4.25E-04	4.08E-04	8.32E-04	4.14E-04	3.98E-04	8.12E-04	4.09E-04	3.93E-04	8.01E-04
5157 474863.09, 3864877.25	0.01067	0.01027	1.62E-03	1.63E-03	1.53E-03	1.56E-03	1.48E-03	4.29E-04	4.13E-04	8.43E-04	4.19E-04	4.03E-04	8.22E-04	4.13E-04	3.98E-04	8.11E-04
5158 475363.09, 3864877.25	0.01087	0.01041	1.65E-03	1.65E-03	1.56E-03	1.59E-03	1.50E-03	4.37E-04	4.19E-04	8.56E-04	4.27E-04	4.09E-04	8.36E-04	4.21E-04	4.03E-04	8.25E-04
5159 475863.09, 3864877.25	0.01116	0.01066	1.70E-03	1.69E-03	1.60E-03	1.64E-03	1.54E-03	4.49E-04	4.29E-04	8.78E-04	4.38E-04	4.19E-04	8.57E-04	4.32E-04	4.13E-04	8.45E-04
5160 476363.09, 3864877.25	0.01134	0.01079	1.72E-03	1.71E-03	1.62E-03	1.66E-03	1.57E-03	4.56E-04	4.34E-04	8.91E-04	4.45E-04	4.24E-04	8.69E-04	4.39E-04	4.18E-04	8.58E-04
5161 476863.09, 3864877.25	0.01175	0.011	1.79E-03	1.74E-03	1.68E-03	1.72E-03	1.63E-03	4.73E-04	4.43E-04	9.16E-04	4.61E-04	4.32E-04	8.93E-04	4.55E-04	4.26E-04	8.82E-04
5162 477363.09, 3864877.25	0.01183	0.01113	1.80E-03	1.76E-03	1.69E-03	1.73E-03	1.64E-03	4.76E-04	4.48E-04	9.24E-04	4.65E-04	4.37E-04	9.02E-04	4.58E-04	4.31E-04	8.90E-04
5163 477863.09, 3864877.25	0.01179	0.01117	1.79E-03	1.77E-03	1.69E-03	1.73E-03	1.63E-03	4.74E-04	4.50E-04	9.24E-04	4.63E-04	4.39E-04	9.02E-04	4.57E-04	4.33E-04	8.90E-04
5164 478363.09, 3864877.25	0.0117	0.01124	1.78E-03	1.78E-03	1.67E-03	1.72E-03	1.62E-03	4.71E-04	4.52E-04	9.23E-04	4.59E-04	4.41E-04	9.01E-04	4.53E-04	4.36E-04	8.89E-04
5165 478863.09, 3864877.25	0.01179	0.01135	1.79E-03	1.80E-03	1.69E-03	1.73E-03	1.63E-03	4.74E-04	4.57E-04	9.31E-04	4.63E-04	4.46E-04	9.09E-04	4.57E-04	4.40E-04	8.97E-04
5166 479363.09, 3864877.25	0.01189	0.01154	1.81E-03	1.83E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.64E-04	9.43E-04	4.67E-04	4.53E-04	9.20E-04	4.61E-04	4.47E-04	9.08E-04
5167 479863.09, 3864877.25	0.012	0.01173	1.82E-03	1.86E-03	1.72E-03	1.76E-03	1.66E-03	4.83E-04	4.72E-04	9.55E-04	4.71E-04	4.61E-04	9.32E-04	4.65E-04	4.55E-04	9.20E-04
5168 480363.09, 3864877.25	0.01216	0.01187	1.85E-03	1.88E-03	1.74E-03	1.78E-03	1.68E-03	4.89E-04	4.78E-04	9.67E-04	4.78E-04	4.66E-04	9.44E-04	4.71E-04	4.60E-04	9.31E-04
5169 480863.09, 3864877.25	0.01235	0.01216	1.88E-03	1.93E-03	1.77E-03	1.81E-03	1.71E-03	4.97E-04	4.89E-04	9.86E-04	4.85E-04	4.78E-04	9.63E-04	4.79E-04	4.71E-04	9.50E-04
5170 481363.09, 3864877.25	0.01282	0.01265	1.95E-03	2.00E-03	1.84E-03	1.88E-03	1.77E-03	5.16E-04	5.09E-04	1.02E-03	5.03E-04	4.97E-04	1.00E-03	4.97E-04	4.90E-04	9.87E-04
5171 481863.09, 3864877.25	0.01298	0.01267	1.97E-03	2.01E-03	1.86E-03	1.90E-03	1.80E-03	5.22E-04	5.10E-04	1.03E-03	5.10E-04	4.98E-04	1.01E-03	5.03E-04	4.91E-04	9.94E-04
5172 482363.09, 3864877.25	0.01319	0.01288	2.00E-03	2.04E-03	1.89E-03	1.93E-03	1.82E-03	5.31E-04	5.18E-04	1.05E-03	5.18E-04	5.06E-04	1.02E-03	5.11E-04	4.99E-04	1.01E-03
5173 482863.09, 3864877.25	0.01363	0.01341	2.07E-03	2.12E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	5.40E-04	1.09E-03	5.35E-04	5.27E-04	1.06E-03	5.28E-04	5.20E-04	1.05E-03
5174 483363.09, 3864877.25	0.01397	0.01385	2.12E-03	2.19E-03	2.00E-03	2.05E-03	1.93E-03	5.62E-04	5.57E-04	1.12E-03	5.49E-04	5.44E-04	1.09E-03	5.41E-04	5.37E-04	1.08E-03
5175 483863.09, 3864877.25	0.01466	0.01437	2.23E-03	2.28E-03	2.10E-03	2.15E-03	2.03E-03	5.90E-04	5.78E-04	1.17E-03	5.76E-04	5.64E-04	1.14E-03	5.68E-04	5.57E-04	1.12E-03
5176 484363.09, 3864877.25	0.01498	0.01454	2.28E-03	2.30E-03	2.14E-03	2.20E-03	2.07E-03	6.03E-04	5.85E-04	1.19E-03	5.88E-04	5.71E-04	1.16E-03	5.80E-04	5.63E-04	1.14E-03
5177 484863.09, 3864877.25	0.01529	0.01497	2.32E-03	2.37E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	6.02E-04	1.22E-03	6.00E-04	5.88E-04	1.19E-03	5.92E-04	5.80E-04	1.17E-03
5178 485363.09, 3864877.25	0.01578	0.01565	2.40E-03	2.48E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	6.30E-04	1.26E-03	6.20E-04	6.15E-04	1.23E-03	6.11E-04	6.06E-04	1.22E-03
5179 485863.09, 3864877.25	0.01611	0.01604	2.45E-03	2.54E-03	2.31E-03	2.36E-03	2.23E-03	6.48E-04	6.46E-04	1.29E-03	6.33E-04	6.30E-04	1.26E-03	6.24E-04	6.22E-04	1.25E-03
5180 486363.09, 3864877.25	0.01607	0.01601	2.44E-03	2.53E-03	2.30E-03	2.36E-03	2.22E-03	6.47E-04	6.44E-04	1.29E-03	6.31E-04	6.29E-04	1.26E-03	6.23E-04	6.20E-04	1.24E-03
5181 486863.09, 3864877.25	0.0154	0.01541	2.34E-03	2.44E-03	2.20E-03	2.26E-03	2.13E-03	6.20E-04	6.20E-04	1.24E-03	6.05E-04	6.05E-04	1.21E-03	5.97E-04	5.97E-04	1.19E-03
5182 487363.09, 3864877.25	0.01578	0.01573	2.40E-03	2.49E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	6.33E-04	1.27E-03	6.20E-04	6.18E-04	1.24E-03	6.11E-04	6.10E-04	1.22E-03
5183 487863.09, 3864877.25	0.01728	0.01641	2.63E-03	2.60E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	6.60E-04	1.36E-03	6.79E-04	6.44E-04	1.32E-03	6.70E-04	6.36E-04	1.31E-03
5184 488363.09, 3864877.25	0.01842	0.01766	2.80E-03	2.80E-03	2.64E-03	2.70E-03	2.55E-03	7.41E-04	7.11E-04	1.45E-03	7.23E-04	6.94E-04	1.42E-03	7.14E-04	6.84E-04	1.40E-03
5185 488863.09, 3864877.25	0.01934	0.01845	2.94E-03	2.92E-03	2.77E-03	2.84E-03	2.67E-03	7.78E-04	7.42E-04	1.52E-03	7.59E-04	7.25E-04	1.48E-03	7.49E-04	7.15E-04	1.46E-03
5186 489363.09, 3864877.25	0.0203	0.01967	3.08E-03	3.11E-03	2.91E-03	2.98E-03	2.81E-03	8.17E-04	7.92E-04	1.61E-03	7.97E-04	7.72E-04	1.57E-03	7.87E-04	7.62E-04	1.55E-03
5187 489863.09, 3864877.25	0.02163	0.01997	3.29E-03	3.16E-03	3.10E-03	3.17E-03	2.99E-03	8.70E-04	8.04E-04	1.67E-03	8.49E-04	7.84E-04	1.63E-03	8.38E-04	7.74E-04	1.61E-03
5188 490363.09, 3864877.25	0.02283	0.02036	3.47E-03	3.22E-03	3.27E-03	3.35E-03	3.16E-03	9.19E-04	8.19E-04	1.74E-03	8.97E-04	8.00E-04	1.70E-03	8.85E-04	7.89E-04	1.67E-03
5189 490863.09, 3864877.25	0.01781	0.01731	2.71E-03	2.74E-03	2.55E-03	2.61E-03	2.46E-03	7.17E-04	6.97E-04	1.41E-03	6.99E-04	6.80E-04	1.38E-03	6.90E-04	6.71E-04	1.36E-03
5190 491363.09, 3864877.25	0.02126	0.02101	3.23E-03	3.33E-03	3.04E-03	3.12E-03	2.94E-03	8.56E-04	8.46E-04	1.70E-03	8.35E-04	8.25E-04	1.66E-03	8.24E-04	8.14E-04	1.64E-03
5191 491863.09, 3864877.25	0.01702	0.01661	2.59E-03	2.63E-03	2.44E-03	2.50E-03	2.35E-03	6.85E-04	6.68E-04	1.35E-03	6.68E-04	6.52E-04	1.32E-03	6.59E-04	6.44E-04	1.30E-03
5192 492363.09, 3864877.25	0.00813	0.00953	1.24E-03	1.51E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.84E-04	7.11E-04	3.19E-04	3.74E-04	6.94E-04	3.15E-04	3.69E-04	6.84E-04
5193 492863.09, 3864877.25	0.00916	0.00983	1.39E-03	1.56E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	3.96E-04	7.64E-04	3.60E-04	3.86E-04	7.46E-04	3.55E-04	3.81E-04	7.36E-04
5194 493363.09, 3864877.25	0.00847	0.00925	1.29E-03	1.46E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.72E-04	7.13E-04	3.33E-04	3.63E-04	6.96E-04	3.28E-04	3.58E-04	6.87E-04
5195 493863.09, 3864877.25	0.01358	0.01343	2.06E-03	2.13E-03	1.94E-03	1.99E-03	1.88E-03	5.47E-04	5.40E-04	1.09E-03	5.33E-04	5.27E-04	1.06E-03	5.26E-04	5.20E-04	1.05E-03
5196 494363.09, 3864877.25	0.01594	0.01544	2.42E-03	2.44E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	6.21E-04	1.26E-03	6.26E-04	6.06E-04	1.23E-03	6.18E-04	5.98E-04	1.22E-03
5197 494863.09, 3864877.25	0.01582	0.01618	2.40E-03	2.56E-03	2.26E-03	2.32E-03	2.19E-03	6.37E-04	6.51E-04	1.29E-03	6.21E-04	6.35E-04	1.26E-03	6.13E-04	6.27E-04	1.24E-03
5198 495363.09, 3864877.25	0.01608	0.01537	2.44E-03	2.43E-03	2.30E-03	2.36E-03	2.22E-03	6.47E-04	6.19E-04	1.27E-03	6.31E-04	6.04E-04	1.24E-03	6.23E-04	5.96E-04	1.22E-03
5199 495863.09, 3864877.25	0.01687	0.0167	2.56E-03	2.64E-03	2.42E-03	2.47E-03	2.33E-03	6.79E-04	6.72E-04	1.35E-03	6.62E-04	6.56E-04	1.32E-03	6.54E-04	6.47E-04	1.30E-03
5200 496363.09, 3864877.25	0.01512	0.01377	2.30E-03	2.18E-03	2.16E-03	2.22E-03	2.09E-03	6.08E-04	5.54E-04	1.16E-03	5.94E-04	5.41E-04	1.13E-03	5.86E-04	5.34E-04	1.12E-03
5201 496863.09, 3864877.25	0.01584	0.01453	2.41E-03	2.30E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	5.85E-04	1.22E-03	6.22E-04	5.71E-04	1.19E-03	6.14E-04	5.63E-04	1.18E-03
5202 497363.09, 3864877.25	0.01908	0.0173	2.90E-03	2.74E-03	2.73E-03	2.80E-03	2.64E-03	7.68E-04	6.96E-04	1.46E-03	7.49E-04	6.79E-04	1.43E-03	7.39E-04	6.70E-04	1.41E-03
5203 497863.09, 3864877.25	0.01894	0.01819	2.88E-03	2.88E-03	2.71E-03	2.78E-03	2.62E-03	7.62E-04	7.32E-04	1.49E-03	7.44E-04	7.14E-04	1.46E-03	7.34E-04	7.05E-04	1.44E-03
5204 498363.09, 3864877.25	0.0205	0.02021	3.12E-03	3.20E-03	2.93E-03	3.01E-03	2.84E-03	8.25E-04	8.13E-04	1.64E-03	8.05E-04	7.94E-04	1.60E-03	7.94E-04	7.83E-04	1.58E-03
5205 471363.09, 3865377.25	0.00929	0.00886	1.41E-03	1.40E-03	1.33E-03	1.36E-03	1.28E-03	3.74E-04	3.57E-04	7.30E-04	3.65E-04	3.48E-04	7.13E-04	3.60E-04	3.43E-04	7.03E-04
5206 471863.09, 3865377.25	0.00946	0.00894	1.44E-03	1.42E-03	1.35E-03	1.39E-03	1.31E-03	3.81E-04	3.60E-04	7.40E-04	3.71E-04	3.51E-04	7.23E-04	3.67E-04	3.46E-04	7.13E-04
5207 472363.09, 3865377.25	0.00982	0.00932	1.49E-03	1.48E-03	1.41E-03	1.44E-03	1.36E-03	3.95E-04	3.75E-04	7.70E-04	3.86E-04	3.66E-04	7.52E-04	3.81E-04	3.61E-04	7.42E-04
5208 472863.09, 3865377.25	0.00999	0.00959	1.52E-03	1.52E-03	1.43E-03	1.46E-03	1.38E-03	4.02E-04	3.86E-04	7.88E-04	3.92E-04	3.77E-04	7.69E-04	3.87E-04	3.72E-04	7.59E-04
5209 473363.09, 3865377.25	0.0101	0.00964	1.53E-03	1.53E-03	1.45E-03	1.48E-03	1.40E-03	4.06E-04	3.88E-04	7.94E-04	3.97E-04	3.79E-04	7.75E-04	3.91E-04	3.74E-04	7.65E-04
5210 473863.09, 3865377.25	0.01023	0.00979	1.55E-03	1.55E-03	1.46E-03	1.50E-03	1.41E-03	4.12E-04	3.94E-04	8.06E-04	4.02E-04	3.84E-04	7.86E-04	3.96E-04	3.79E-04	7.76E-04

5211 474363.09, 3865377.25	0.01022	0.00994	1.55E-03	1.57E-03	1.46E-03	1.50E-03	1.41E-03	4.11E-04	4.00E-04	8.11E-04	4.01E-04	3.90E-04	7.92E-04	3.96E-04	3.85E-04	7.81E-04
5212 474863.09, 3865377.25	0.01044	0.01007	1.59E-03	1.59E-03	1.49E-03	1.53E-03	1.44E-03	4.20E-04	4.05E-04	8.25E-04	4.10E-04	3.95E-04	8.05E-04	4.05E-04	3.90E-04	7.95E-04
5213 475363.09, 3865377.25	0.01065	0.0102	1.62E-03	1.61E-03	1.52E-03	1.56E-03	1.47E-03	4.29E-04	4.10E-04	8.39E-04	4.18E-04	4.01E-04	8.19E-04	4.13E-04	3.95E-04	8.08E-04
5214 475863.09, 3865377.25	0.01089	0.01047	1.65E-03	1.66E-03	1.56E-03	1.60E-03	1.51E-03	4.38E-04	4.21E-04	8.60E-04	4.28E-04	4.11E-04	8.39E-04	4.22E-04	4.06E-04	8.28E-04
5215 476363.09, 3865377.25	0.01143	0.01059	1.74E-03	1.68E-03	1.64E-03	1.68E-03	1.58E-03	4.60E-04	4.26E-04	8.86E-04	4.49E-04	4.16E-04	8.65E-04	4.43E-04	4.10E-04	8.53E-04
5216 476863.09, 3865377.25	0.01127	0.01047	1.71E-03	1.66E-03	1.61E-03	1.65E-03	1.56E-03	4.54E-04	4.21E-04	8.75E-04	4.43E-04	4.11E-04	8.54E-04	4.37E-04	4.06E-04	8.42E-04
5217 477363.09, 3865377.25	0.01111	0.01057	1.69E-03	1.67E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	4.25E-04	8.72E-04	4.36E-04	4.15E-04	8.51E-04	4.30E-04	4.10E-04	8.40E-04
5218 477863.09, 3865377.25	0.01109	0.01058	1.69E-03	1.68E-03	1.59E-03	1.63E-03	1.53E-03	4.46E-04	4.26E-04	8.72E-04	4.36E-04	4.15E-04	8.51E-04	4.30E-04	4.10E-04	8.40E-04
5219 478363.09, 3865377.25	0.01111	0.01064	1.69E-03	1.68E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	4.28E-04	8.75E-04	4.36E-04	4.18E-04	8.54E-04	4.30E-04	4.12E-04	8.43E-04
5220 478863.09, 3865377.25	0.01117	0.01069	1.70E-03	1.69E-03	1.60E-03	1.64E-03	1.54E-03	4.50E-04	4.30E-04	8.80E-04	4.39E-04	4.20E-04	8.58E-04	4.33E-04	4.14E-04	8.47E-04
5221 479363.09, 3865377.25	0.01131	0.01081	1.72E-03	1.71E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	4.35E-04	8.90E-04	4.44E-04	4.25E-04	8.69E-04	4.38E-04	4.19E-04	8.57E-04
5222 479863.09, 3865377.25	0.01152	0.01106	1.75E-03	1.75E-03	1.65E-03	1.69E-03	1.59E-03	4.64E-04	4.45E-04	9.09E-04	4.52E-04	4.34E-04	8.87E-04	4.46E-04	4.29E-04	8.75E-04
5223 480363.09, 3865377.25	0.01167	0.01127	1.77E-03	1.78E-03	1.67E-03	1.71E-03	1.61E-03	4.70E-04	4.54E-04	9.23E-04	4.58E-04	4.43E-04	9.01E-04	4.52E-04	4.37E-04	8.89E-04
5224 480863.09, 3865377.25	0.01191	0.0115	1.81E-03	1.82E-03	1.71E-03	1.75E-03	1.65E-03	4.79E-04	4.63E-04	9.42E-04	4.68E-04	4.52E-04	9.19E-04	4.61E-04	4.46E-04	9.07E-04
5225 481363.09, 3865377.25	0.01223	0.01198	1.86E-03	1.90E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	4.82E-04	9.74E-04	4.80E-04	4.70E-04	9.51E-04	4.74E-04	4.64E-04	9.38E-04
5226 481863.09, 3865377.25	0.01249	0.01217	1.90E-03	1.93E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	4.90E-04	9.92E-04	4.90E-04	4.78E-04	9.68E-04	4.84E-04	4.72E-04	9.56E-04
5227 482363.09, 3865377.25	0.01277	0.01249	1.94E-03	1.98E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	5.03E-04	1.02E-03	5.01E-04	4.90E-04	9.92E-04	4.95E-04	4.84E-04	9.79E-04
5228 482863.09, 3865377.25	0.01313	0.01306	2.00E-03	2.07E-03	1.88E-03	1.93E-03	1.82E-03	5.28E-04	5.26E-04	1.05E-03	5.16E-04	5.13E-04	1.03E-03	5.09E-04	5.06E-04	1.01E-03
5229 483363.09, 3865377.25	0.0138	0.01375	2.10E-03	2.18E-03	1.98E-03	2.02E-03	1.91E-03	5.55E-04	5.53E-04	1.11E-03	5.42E-04	5.40E-04	1.08E-03	5.35E-04	5.33E-04	1.07E-03
5230 483863.09, 3865377.25	0.01424	0.01399	2.16E-03	2.22E-03	2.04E-03	2.09E-03	1.97E-03	5.73E-04	5.63E-04	1.14E-03	5.59E-04	5.49E-04	1.11E-03	5.52E-04	5.42E-04	1.09E-03
5231 484363.09, 3865377.25	0.01398	0.01379	2.12E-03	2.18E-03	2.00E-03	2.05E-03	1.93E-03	5.63E-04	5.55E-04	1.12E-03	5.49E-04	5.42E-04	1.09E-03	5.42E-04	5.34E-04	1.08E-03
5232 484863.09, 3865377.25	0.01368	0.01364	2.08E-03	2.16E-03	1.96E-03	2.01E-03	1.89E-03	5.51E-04	5.49E-04	1.10E-03	5.37E-04	5.36E-04	1.07E-03	5.30E-04	5.29E-04	1.06E-03
5233 485363.09, 3865377.25	0.01369	0.01368	2.08E-03	2.17E-03	1.96E-03	2.01E-03	1.89E-03	5.51E-04	5.51E-04	1.10E-03	5.38E-04	5.37E-04	1.07E-03	5.30E-04	5.30E-04	1.06E-03
5234 485863.09, 3865377.25	0.01404	0.01407	2.13E-03	2.23E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.66E-04	1.13E-03	5.51E-04	5.53E-04	1.10E-03	5.44E-04	5.45E-04	1.09E-03
5235 486363.09, 3865377.25	0.01416	0.0142	2.15E-03	2.25E-03	2.03E-03	2.08E-03	1.96E-03	5.70E-04	5.71E-04	1.14E-03	5.56E-04	5.58E-04	1.11E-03	5.49E-04	5.50E-04	1.10E-03
5236 486863.09, 3865377.25	0.01434	0.01432	2.18E-03	2.27E-03	2.05E-03	2.10E-03	1.98E-03	5.77E-04	5.76E-04	1.15E-03	5.63E-04	5.62E-04	1.13E-03	5.56E-04	5.55E-04	1.11E-03
5237 487363.09, 3865377.25	0.0149	0.01487	2.26E-03	2.35E-03	2.13E-03	2.18E-03	2.06E-03	6.00E-04	5.98E-04	1.20E-03	5.85E-04	5.84E-04	1.17E-03	5.77E-04	5.76E-04	1.15E-03
5238 487863.09, 3865377.25	0.01578	0.0154	2.40E-03	2.44E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	6.20E-04	1.25E-03	6.20E-04	6.05E-04	1.22E-03	6.11E-04	5.97E-04	1.21E-03
5239 488363.09, 3865377.25	0.01642	0.01588	2.50E-03	2.51E-03	2.35E-03	2.41E-03	2.27E-03	6.61E-04	6.39E-04	1.30E-03	6.45E-04	6.24E-04	1.27E-03	6.36E-04	6.15E-04	1.25E-03
5240 488863.09, 3865377.25	0.01761	0.01687	2.68E-03	2.67E-03	2.52E-03	2.58E-03	2.44E-03	7.09E-04	6.79E-04	1.39E-03	6.92E-04	6.62E-04	1.35E-03	6.82E-04	6.54E-04	1.34E-03
5241 489363.09, 3865377.25	0.01865	0.018	2.83E-03	2.85E-03	2.67E-03	2.73E-03	2.58E-03	7.51E-04	7.24E-04	1.47E-03	7.32E-04	7.07E-04	1.44E-03	7.23E-04	6.97E-04	1.42E-03
5242 489863.09, 3865377.25	0.01964	0.01866	2.98E-03	2.95E-03	2.81E-03	2.88E-03	2.72E-03	7.90E-04	7.51E-04	1.54E-03	7.71E-04	7.33E-04	1.50E-03	7.61E-04	7.23E-04	1.48E-03
5243 490363.09, 3865377.25	0.01692	0.01551	2.57E-03	2.46E-03	2.42E-03	2.48E-03	2.34E-03	6.81E-04	6.24E-04	1.31E-03	6.64E-04	6.09E-04	1.27E-03	6.56E-04	6.01E-04	1.26E-03
5244 490863.09, 3865377.25	0.01543	0.0154	2.34E-03	2.44E-03	2.21E-03	2.26E-03	2.13E-03	6.21E-04	6.20E-04	1.24E-03	6.06E-04	6.05E-04	1.21E-03	5.98E-04	5.97E-04	1.19E-03
5245 491363.09, 3865377.25	0.01561	0.01477	2.37E-03	2.34E-03	2.23E-03	2.29E-03	2.16E-03	6.28E-04	5.94E-04	1.22E-03	6.13E-04	5.80E-04	1.19E-03	6.05E-04	5.72E-04	1.18E-03
5246 491863.09, 3865377.25	0.01558	0.01403	2.37E-03	2.22E-03	2.23E-03	2.28E-03	2.15E-03	6.27E-04	5.65E-04	1.19E-03	6.12E-04	5.51E-04	1.16E-03	6.04E-04	5.44E-04	1.15E-03
5247 492363.09, 3865377.25	0.01189	0.01276	1.81E-03	2.02E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	5.14E-04	9.92E-04	4.67E-04	5.01E-04	9.68E-04	4.61E-04	4.94E-04	9.55E-04
5248 492863.09, 3865377.25	0.00932	0.01035	1.42E-03	1.64E-03	1.33E-03	1.37E-03	1.29E-03	3.75E-04	4.17E-04	7.92E-04	3.66E-04	4.06E-04	7.72E-04	3.61E-04	4.01E-04	7.62E-04
5249 493363.09, 3865377.25	0.00749	0.00891	1.14E-03	1.41E-03	1.07E-03	1.10E-03	1.04E-03	3.01E-04	3.59E-04	6.60E-04	2.94E-04	3.50E-04	6.44E-04	2.90E-04	3.45E-04	6.35E-04
5250 493863.09, 3865377.25	0.00973	0.01022	1.48E-03	1.62E-03	1.39E-03	1.43E-03	1.35E-03	3.92E-04	4.11E-04	8.03E-04	3.82E-04	4.01E-04	7.83E-04	3.77E-04	3.96E-04	7.73E-04
5251 494363.09, 3865377.25	0.01148	0.01161	1.74E-03	1.84E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	4.67E-04	9.29E-04	4.51E-04	4.56E-04	9.07E-04	4.45E-04	4.50E-04	8.95E-04
5252 494863.09, 3865377.25	0.01365	0.01232	2.07E-03	1.95E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	4.96E-04	1.05E-03	5.36E-04	4.84E-04	1.02E-03	5.29E-04	4.77E-04	1.01E-03
5253 495363.09, 3865377.25	0.01339	0.01353	2.03E-03	2.14E-03	1.92E-03	1.96E-03	1.85E-03	5.39E-04	5.44E-04	1.08E-03	5.26E-04	5.31E-04	1.06E-03	5.19E-04	5.24E-04	1.04E-03
5254 495863.09, 3865377.25	0.01458	0.01452	2.22E-03	2.30E-03	2.09E-03	2.14E-03	2.02E-03	5.87E-04	5.84E-04	1.17E-03	5.73E-04	5.70E-04	1.14E-03	5.65E-04	5.63E-04	1.13E-03
5255 496363.09, 3865377.25	0.01202	0.01212	1.83E-03	1.92E-03	1.72E-03	1.76E-03	1.66E-03	4.84E-04	4.88E-04	9.71E-04	4.72E-04	4.76E-04	9.48E-04	4.66E-04	4.70E-04	9.35E-04
5256 496863.09, 3865377.25	0.01103	0.01051	1.68E-03	1.66E-03	1.58E-03	1.62E-03	1.53E-03	4.44E-04	4.23E-04	8.67E-04	4.33E-04	4.13E-04	8.46E-04	4.27E-04	4.07E-04	8.35E-04
5257 497363.09, 3865377.25	0.01395	0.0134	2.12E-03	2.12E-03	2.00E-03	2.05E-03	1.93E-03	5.61E-04	5.39E-04	1.10E-03	5.48E-04	5.26E-04	1.07E-03	5.41E-04	5.19E-04	1.06E-03
5258 497863.09, 3865377.25	0.01573	0.01436	2.39E-03	2.27E-03	2.25E-03	2.31E-03	2.18E-03	6.33E-04	5.78E-04	1.21E-03	6.18E-04	5.64E-04	1.18E-03	6.10E-04	5.56E-04	1.17E-03
5259 498363.09, 3865377.25	0.01384	0.01347	2.10E-03	2.13E-03	1.98E-03	2.03E-03	1.91E-03	5.57E-04	5.42E-04	1.10E-03	5.43E-04	5.29E-04	1.07E-03	5.36E-04	5.22E-04	1.06E-03
5260 471363.09, 3865877.25	0.00896	0.0088	1.36E-03	1.39E-03	1.28E-03	1.31E-03	1.24E-03	3.61E-04	3.54E-04	7.15E-04	3.52E-04	3.46E-04	6.97E-04	3.47E-04	3.41E-04	6.88E-04
5261 471863.09, 3865877.25	0.00915	0.00889	1.39E-03	1.41E-03	1.31E-03	1.34E-03	1.27E-03	3.68E-04	3.58E-04	7.26E-04	3.59E-04	3.49E-04	7.08E-04	3.55E-04	3.44E-04	6.99E-04
5262 472363.09, 3865877.25	0.00952	0.00921	1.45E-03	1.46E-03	1.36E-03	1.40E-03	1.32E-03	3.83E-04	3.71E-04	7.54E-04	3.74E-04	3.62E-04	7.36E-04	3.69E-04	3.57E-04	7.26E-04
5263 472863.09, 3865877.25	0.00975	0.00934	1.48E-03	1.48E-03	1.40E-03	1.43E-03	1.35E-03	3.92E-04	3.76E-04	7.68E-04	3.83E-04	3.67E-04	7.50E-04	3.78E-04	3.62E-04	7.40E-04
5264 473363.09, 3865877.25	0.00979	0.00947	1.49E-03	1.50E-03	1.40E-03	1.44E-03	1.35E-03	3.94E-04	3.81E-04	7.75E-04	3.84E-04	3.72E-04	7.56E-04	3.79E-04	3.67E-04	7.46E-04
5265 473863.09, 3865877.25	0.0099	0.00957	1.50E-03	1.52E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	3.85E-04	7.84E-04	3.89E-04	3.76E-04	7.65E-04	3.84E-04	3.71E-04	7.54E-04
5266 474363.09, 3865877.25	0.00989	0.00962	1.50E-03	1.52E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	3.87E-04	7.85E-04	3.88E-04	3.78E-04	7.66E-04	3.83E-04	3.73E-04	7.56E-04
5267 474863.09, 3865877.25	0.01005	0.00977	1.53E-03	1.55E-03	1.44E-03	1.47E-03	1.39E-03	4.04E-04	3.93E-04	7.98E-04	3.95E-04	3.84E-04	7.78E-04	3.89E-04	3.79E-04	7.68E-04
5268 475363.09, 3865877.25	0.01032	0.01001	1.57E-03	1.58E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	4.03E-04	8.18E-04	4.05E-04	3.93E-04	7.98E-04	4.00E-04	3.88E-04	7.88E-04
5269 475863.09, 3865877.25	0.0107	0.01014	1.63E-03	1.61E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	4.08E-04	8.39E-04	4.20E-04	3.98E-04	8.18E-04	4.15E-04	3.93E-04	8.08E-04
5270 476363.09, 3865877.25	0.01103	0.01037	1.68E-03	1.64E-03	1.58E-03	1.62E-03	1.53E-03	4.44E-04	4.17E-04	8.61E-04	4.33E-04	4.07E-04	8.40E-04	4.27E-04	4.02E-04	8.29E-04
5271 476863.09, 3865877.25	0.01101	0.01026	1.67E-03	1.62E-03	1.58E-03	1.61E-03	1.52E-03	4.43E-04	4.13E-04	8.56E-04	4.32E-04	4.03E-04	8.35E-04	4.27E-04	3.98E-04	8.24E-04
5272 477363.09, 3865877.25	0.01074	0.01033	1.63E-03	1.64E-03	1.54E-03	1.57E-03	1.49E-03	4.32E-04	4.16E-04	8.48E-04	4.22E-04	4.06E-04	8.27E-04	4.16E-04	4.00E-04	8.16E-04
5273 477863.09, 3865877.25	0.01079	0.01035	1.64E-03	1.64E-03	1.54E-03	1.58E-03	1.49E-03	4.34E-04	4.17E-04	8.51E-04	4.24E-04	4.06E-04	8.30E-04	4.18E-04	4.01E-04	8.19E-04
5274 478363.09, 3865877.25	0.01082	0.01042	1.64E-03	1.65E-03	1.55E-03	1.59E-03	1.50E-03	4.35E-04	4.19E-04	8.55E-04	4.25E-04	4.09E-04	8.34E-04	4.19E-04	4.04E-04	8.23E-04
5275 478863.09, 3865877.25	0.01097	0.0105	1.67E-03	1.66E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	4.23E-04	8.64E-04	4.31E-04	4.12E-04	8.43E-04	4.25E-04	4.07E-04	8.32E-04
5276 479363.09, 3865877.25	0.01113	0.01065	1.69E-03	1.69E-03	1.59E-03	1.63E-03	1.54E-03	4.48E-04	4.29E-04	8.76E-04	4.37E-04	4.18E-04	8.55E-04	4.31E-04	4.13E-04	8.44E-04

5277	479863.09, 3865877.25	0.01121	0.01088	1.70E-03	1.72E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	4.38E-04	8.89E-04	4.40E-04	4.27E-04	8.67E-04	4.34E-04	4.22E-04	8.56E-04
5278	480363.09, 3865877.25	0.01137	0.01113	1.73E-03	1.76E-03	1.63E-03	1.67E-03	1.57E-03	4.58E-04	4.48E-04	9.05E-04	4.46E-04	4.37E-04	8.84E-04	4.41E-04	4.31E-04	8.72E-04
5279	480863.09, 3865877.25	0.01159	0.01139	1.76E-03	1.80E-03	1.66E-03	1.70E-03	1.60E-03	4.66E-04	4.58E-04	9.25E-04	4.55E-04	4.47E-04	9.02E-04	4.49E-04	4.41E-04	8.90E-04
5280	481363.09, 3865877.25	0.01188	0.01163	1.81E-03	1.84E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.68E-04	9.46E-04	4.67E-04	4.57E-04	9.23E-04	4.60E-04	4.51E-04	9.11E-04
5281	481863.09, 3865877.25	0.01219	0.01182	1.85E-03	1.87E-03	1.75E-03	1.79E-03	1.69E-03	4.91E-04	4.76E-04	9.66E-04	4.79E-04	4.64E-04	9.43E-04	4.72E-04	4.58E-04	9.30E-04
5282	482363.09, 3865877.25	0.01222	0.0119	1.86E-03	1.88E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	4.79E-04	9.71E-04	4.80E-04	4.67E-04	9.47E-04	4.74E-04	4.61E-04	9.35E-04
5283	482863.09, 3865877.25	0.01187	0.01173	1.80E-03	1.86E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.72E-04	9.50E-04	4.66E-04	4.61E-04	9.27E-04	4.60E-04	4.55E-04	9.14E-04
5284	483363.09, 3865877.25	0.01208	0.01194	1.84E-03	1.89E-03	1.73E-03	1.77E-03	1.67E-03	4.86E-04	4.81E-04	9.67E-04	4.74E-04	4.69E-04	9.43E-04	4.68E-04	4.63E-04	9.31E-04
5285	483863.09, 3865877.25	0.01255	0.01244	1.91E-03	1.97E-03	1.80E-03	1.84E-03	1.74E-03	5.05E-04	5.01E-04	1.01E-03	4.93E-04	4.89E-04	9.81E-04	4.86E-04	4.82E-04	9.68E-04
5286	484363.09, 3865877.25	0.01267	0.01261	1.93E-03	2.00E-03	1.81E-03	1.86E-03	1.75E-03	5.10E-04	5.07E-04	1.02E-03	4.98E-04	4.95E-04	9.93E-04	4.91E-04	4.89E-04	9.80E-04
5287	484863.09, 3865877.25	0.0127	0.01268	1.93E-03	2.01E-03	1.82E-03	1.86E-03	1.76E-03	5.11E-04	5.10E-04	1.02E-03	4.99E-04	4.98E-04	9.97E-04	4.92E-04	4.91E-04	9.83E-04
5288	485363.09, 3865877.25	0.01313	0.01312	2.00E-03	2.08E-03	1.88E-03	1.93E-03	1.82E-03	5.28E-04	5.28E-04	1.06E-03	5.16E-04	5.15E-04	1.03E-03	5.09E-04	5.08E-04	1.02E-03
5289	485863.09, 3865877.25	0.01357	0.01346	2.06E-03	2.13E-03	1.94E-03	1.99E-03	1.88E-03	5.46E-04	5.42E-04	1.09E-03	5.33E-04	5.29E-04	1.06E-03	5.26E-04	5.22E-04	1.05E-03
5290	486363.09, 3865877.25	0.01335	0.0133	2.03E-03	2.11E-03	1.91E-03	1.96E-03	1.85E-03	5.37E-04	5.35E-04	1.07E-03	5.24E-04	5.22E-04	1.05E-03	5.17E-04	5.15E-04	1.03E-03
5291	486863.09, 3865877.25	0.01354	0.01357	2.06E-03	2.15E-03	1.94E-03	1.99E-03	1.87E-03	5.45E-04	5.46E-04	1.09E-03	5.32E-04	5.33E-04	1.06E-03	5.25E-04	5.26E-04	1.05E-03
5292	487363.09, 3865877.25	0.01387	0.0139	2.11E-03	2.20E-03	1.99E-03	2.03E-03	1.92E-03	5.58E-04	5.59E-04	1.12E-03	5.45E-04	5.46E-04	1.09E-03	5.37E-04	5.39E-04	1.08E-03
5293	487863.09, 3865877.25	0.0143	0.01427	2.17E-03	2.26E-03	2.05E-03	2.10E-03	1.98E-03	5.75E-04	5.74E-04	1.15E-03	5.62E-04	5.60E-04	1.12E-03	5.54E-04	5.53E-04	1.11E-03
5294	488363.09, 3865877.25	0.01533	0.01484	2.33E-03	2.35E-03	2.19E-03	2.25E-03	2.12E-03	6.17E-04	5.97E-04	1.21E-03	6.02E-04	5.83E-04	1.18E-03	5.94E-04	5.75E-04	1.17E-03
5295	488863.09, 3865877.25	0.01571	0.01481	2.39E-03	2.34E-03	2.25E-03	2.30E-03	2.17E-03	6.32E-04	5.96E-04	1.23E-03	6.17E-04	5.82E-04	1.20E-03	6.09E-04	5.74E-04	1.18E-03
5296	489363.09, 3865877.25	0.01658	0.01564	2.52E-03	2.48E-03	2.37E-03	2.43E-03	2.29E-03	6.67E-04	6.29E-04	1.30E-03	6.51E-04	6.14E-04	1.27E-03	6.42E-04	6.06E-04	1.25E-03
5297	489863.09, 3865877.25	0.0169	0.01647	2.57E-03	2.61E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	6.63E-04	1.34E-03	6.64E-04	6.47E-04	1.31E-03	6.55E-04	6.38E-04	1.29E-03
5298	490363.09, 3865877.25	0.01654	0.01528	2.51E-03	2.42E-03	2.37E-03	2.43E-03	2.29E-03	6.66E-04	6.15E-04	1.28E-03	6.50E-04	6.00E-04	1.25E-03	6.41E-04	5.92E-04	1.23E-03
5299	490863.09, 3865877.25	0.0145	0.01406	2.20E-03	2.23E-03	2.08E-03	2.13E-03	2.01E-03	5.84E-04	5.66E-04	1.15E-03	5.69E-04	5.52E-04	1.12E-03	5.62E-04	5.45E-04	1.11E-03
5300	491363.09, 3865877.25	0.01312	0.01271	1.99E-03	2.01E-03	1.88E-03	1.92E-03	1.81E-03	5.28E-04	5.11E-04	1.04E-03	5.15E-04	4.99E-04	1.01E-03	5.08E-04	4.92E-04	1.00E-03
5301	491863.09, 3865877.25	0.01317	0.01289	2.00E-03	2.04E-03	1.89E-03	1.93E-03	1.82E-03	5.30E-04	5.19E-04	1.05E-03	5.17E-04	5.06E-04	1.02E-03	5.10E-04	4.99E-04	1.01E-03
5302	492363.09, 3865877.25	0.01147	0.0119	1.74E-03	1.88E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	4.79E-04	9.40E-04	4.50E-04	4.67E-04	9.18E-04	4.44E-04	4.61E-04	9.06E-04
5303	492863.09, 3865877.25	0.00935	0.01004	1.42E-03	1.59E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	4.04E-04	7.80E-04	3.67E-04	3.94E-04	7.61E-04	3.62E-04	3.89E-04	7.51E-04
5304	493363.09, 3865877.25	0.0088	0.00941	1.34E-03	1.49E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.79E-04	7.33E-04	3.46E-04	3.70E-04	7.15E-04	3.41E-04	3.65E-04	7.06E-04
5305	493863.09, 3865877.25	0.00908	0.00959	1.38E-03	1.52E-03	1.30E-03	1.33E-03	1.26E-03	3.65E-04	3.86E-04	7.51E-04	3.57E-04	3.77E-04	7.33E-04	3.52E-04	3.72E-04	7.23E-04
5306	494363.09, 3865877.25	0.00955	0.00987	1.45E-03	1.56E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	3.97E-04	7.82E-04	3.75E-04	3.88E-04	7.63E-04	3.70E-04	3.82E-04	7.52E-04
5307	494863.09, 3865877.25	0.01143	0.01159	1.74E-03	1.84E-03	1.64E-03	1.68E-03	1.58E-03	4.60E-04	4.66E-04	9.26E-04	4.49E-04	4.55E-04	9.04E-04	4.43E-04	4.49E-04	8.92E-04
5308	495363.09, 3865877.25	0.01292	0.01213	1.96E-03	1.92E-03	1.85E-03	1.89E-03	1.79E-03	5.20E-04	4.88E-04	1.01E-03	5.07E-04	4.76E-04	9.84E-04	5.01E-04	4.70E-04	9.71E-04
5309	495863.09, 3865877.25	0.01228	0.0123	1.87E-03	1.95E-03	1.76E-03	1.80E-03	1.70E-03	4.94E-04	4.95E-04	9.89E-04	4.82E-04	4.83E-04	9.65E-04	4.76E-04	4.77E-04	9.52E-04
5310	496363.09, 3865877.25	0.00988	0.0099	1.50E-03	1.57E-03	1.41E-03	1.45E-03	1.37E-03	3.98E-04	3.98E-04	7.96E-04	3.88E-04	3.89E-04	7.77E-04	3.83E-04	3.84E-04	7.66E-04
5311	496863.09, 3865877.25	0.00767	0.00745	1.17E-03	1.18E-03	1.10E-03	1.12E-03	1.06E-03	3.09E-04	3.00E-04	6.08E-04	3.01E-04	2.93E-04	5.94E-04	2.97E-04	2.89E-04	5.86E-04
5312	497363.09, 3865877.25	0.0089	0.00869	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.50E-04	7.08E-04	3.50E-04	3.41E-04	6.91E-04	3.45E-04	3.37E-04	6.82E-04
5313	497863.09, 3865877.25	0.01078	0.00974	1.64E-03	1.54E-03	1.54E-03	1.58E-03	1.49E-03	4.34E-04	3.92E-04	8.26E-04	4.23E-04	3.82E-04	8.06E-04	4.18E-04	3.77E-04	7.95E-04
5314	498363.09, 3865877.25	0.00926	0.00941	1.41E-03	1.49E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	3.79E-04	7.51E-04	3.64E-04	3.70E-04	7.33E-04	3.59E-04	3.65E-04	7.23E-04
5315	471363.09, 3866377.25	0.00877	0.00858	1.33E-03	1.36E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	3.45E-04	6.98E-04	3.44E-04	3.37E-04	6.81E-04	3.40E-04	3.32E-04	6.72E-04
5316	471863.09, 3866377.25	0.00896	0.00864	1.36E-03	1.37E-03	1.28E-03	1.31E-03	1.24E-03	3.61E-04	3.48E-04	7.08E-04	3.52E-04	3.39E-04	6.91E-04	3.47E-04	3.35E-04	6.82E-04
5317	472363.09, 3866377.25	0.00931	0.00896	1.41E-03	1.42E-03	1.33E-03	1.37E-03	1.29E-03	3.75E-04	3.61E-04	7.35E-04	3.66E-04	3.52E-04	7.17E-04	3.61E-04	3.47E-04	7.08E-04
5318	472863.09, 3866377.25	0.00953	0.00911	1.45E-03	1.44E-03	1.36E-03	1.40E-03	1.32E-03	3.84E-04	3.67E-04	7.50E-04	3.74E-04	3.58E-04	7.32E-04	3.69E-04	3.53E-04	7.22E-04
5319	473363.09, 3866377.25	0.00973	0.00934	1.48E-03	1.48E-03	1.39E-03	1.43E-03	1.35E-03	3.92E-04	3.76E-04	7.67E-04	3.82E-04	3.67E-04	7.49E-04	3.77E-04	3.62E-04	7.39E-04
5320	473863.09, 3866377.25	0.0098	0.00949	1.49E-03	1.50E-03	1.40E-03	1.44E-03	1.36E-03	3.94E-04	3.82E-04	7.76E-04	3.85E-04	3.73E-04	7.58E-04	3.80E-04	3.68E-04	7.47E-04
5321	474363.09, 3866377.25	0.00983	0.00954	1.49E-03	1.51E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	3.84E-04	7.80E-04	3.86E-04	3.75E-04	7.61E-04	3.81E-04	3.70E-04	7.51E-04
5322	474863.09, 3866377.25	0.00995	0.00965	1.51E-03	1.53E-03	1.42E-03	1.46E-03	1.38E-03	4.00E-04	3.88E-04	7.89E-04	3.91E-04	3.79E-04	7.70E-04	3.86E-04	3.74E-04	7.59E-04
5323	475363.09, 3866377.25	0.0101	0.00979	1.53E-03	1.55E-03	1.45E-03	1.48E-03	1.40E-03	4.06E-04	3.94E-04	8.00E-04	3.97E-04	3.84E-04	7.81E-04	3.91E-04	3.79E-04	7.71E-04
5324	475863.09, 3866377.25	0.01031	0.00981	1.57E-03	1.55E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	3.95E-04	8.10E-04	4.05E-04	3.85E-04	7.90E-04	3.99E-04	3.80E-04	7.80E-04
5325	476363.09, 3866377.25	0.01046	0.01004	1.59E-03	1.59E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	4.04E-04	8.25E-04	4.11E-04	3.94E-04	8.05E-04	4.05E-04	3.89E-04	7.94E-04
5326	476863.09, 3866377.25	0.01041	0.00987	1.58E-03	1.56E-03	1.49E-03	1.53E-03	1.44E-03	4.19E-04	3.97E-04	8.16E-04	4.09E-04	3.88E-04	7.96E-04	4.03E-04	3.82E-04	7.86E-04
5327	477363.09, 3866377.25	0.01055	0.01002	1.60E-03	1.59E-03	1.51E-03	1.55E-03	1.46E-03	4.25E-04	4.03E-04	8.28E-04	4.14E-04	3.93E-04	8.08E-04	4.09E-04	3.88E-04	7.97E-04
5328	477863.09, 3866377.25	0.01041	0.01021	1.58E-03	1.62E-03	1.49E-03	1.53E-03	1.44E-03	4.19E-04	4.11E-04	8.30E-04	4.09E-04	4.01E-04	8.10E-04	4.03E-04	3.96E-04	7.99E-04
5329	478363.09, 3866377.25	0.01045	0.0101	1.59E-03	1.60E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	4.06E-04	8.27E-04	4.10E-04	3.97E-04	8.07E-04	4.05E-04	3.91E-04	7.96E-04
5330	478863.09, 3866377.25	0.01063	0.01032	1.62E-03	1.63E-03	1.52E-03	1.56E-03	1.47E-03	4.28E-04	4.15E-04	8.43E-04	4.17E-04	4.05E-04	8.23E-04	4.12E-04	4.00E-04	8.12E-04
5331	479363.09, 3866377.25	0.01084	0.01055	1.65E-03	1.67E-03	1.55E-03	1.59E-03	1.50E-03	4.36E-04	4.25E-04	8.61E-04	4.26E-04	4.14E-04	8.40E-04	4.20E-04	4.09E-04	8.29E-04
5332	479863.09, 3866377.25	0.01089	0.01063	1.65E-03	1.68E-03	1.56E-03	1.60E-03	1.51E-03	4.38E-04	4.28E-04	8.66E-04	4.28E-04	4.17E-04	8.45E-04	4.22E-04	4.12E-04	8.34E-04
5333	480363.09, 3866377.25	0.01086	0.01071	1.65E-03	1.70E-03	1.55E-03	1.59E-03	1.50E-03	4.37E-04	4.31E-04	8.68E-04	4.26E-04	4.21E-04	8.47E-04	4.21E-04	4.15E-04	8.36E-04
5334	480863.09, 3866377.25	0.01066	0.01042	1.62E-03	1.65E-03	1.53E-03	1.56E-03	1.47E-03	4.29E-04	4.19E-04	8.48E-04	4.19E-04	4.09E-04	8.28E-04	4.13E-04	4.04E-04	8.17E-04
5335	481363.09, 3866377.25	0.01108	0.01059	1.68E-03	1.68E-03	1.59E-03	1.62E-03	1.53E-03	4.46E-04	4.26E-04	8.72E-04	4.35E-04	4.16E-04	8.51E-04	4.29E-04	4.10E-04	8.40E-04
5336	481863.09, 3866377.25	0.01167	0.01084	1.77E-03	1.72E-03	1.67E-03	1.71E-03	1.61E-03	4.70E-04	4.36E-04	9.06E-04	4.58E-04	4.26E-04	8.84E-04	4.52E-04	4.20E-04	8.72E-04
5337	482363.09, 3866377.25	0.01136	0.01088	1.73E-03	1.72E-03	1.63E-03	1.67E-03	1.57E-03	4.57E-04	4.38E-04	8.95E-04	4.46E-04	4.27E-04	8.73E-04	4.40E-04	4.22E-04	8.62E-04
5338	482863.09, 3866377.25	0.01119	0.011	1.70E-03	1.74E-03	1.60E-03	1.64E-03	1.55E-03	4.50E-04	4.43E-04	8.93E-04	4.39E-04	4.32E-04	8.71E-04	4.34E-04	4.26E-04	8.60E-04
5339	483363.09, 3866377.25	0.01131	0.01124	1.72E-03	1.78E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	4.52E-04	9.07E-04	4.44E-04	4.41E-04	8.86E-04	4.38E-04	4.36E-04	8.74E-04
5340	483863.09, 3866377.25	0.01187	0.01181	1.80E-03	1.87E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.75E-04	9.53E-04	4.66E-04	4.64E-04	9.30E-04	4.60E-04	4.58E-04	9.18E-04
5341	484363.09, 3866377.25	0.01215	0.0121	1.85E-03	1.92E-03	1.74E-03	1.78E-03	1.68E-03	4.89E-04	4.87E-04	9.76E-04	4.77E-04	4.75E-04	9.52E-04	4.71E-04	4.69E-04	9.40E-04
5342	484863.09, 3866377.25	0.01215	0.01204	1.85E-03	1.91E-03	1.74E-03	1.78E-03	1.68E-03	4.89E-04	4.85E-04	9.73E-04	4.77E-04	4.73E-04	9.50E-04	4.71E-04	4.67E-04	9.37E-04

5343 485363.09, 3866377.25	0.01226	0.01221	1.86E-03	1.93E-03	1.76E-03	1.80E-03	1.70E-03	4.93E-04	4.91E-04	9.85E-04	4.81E-04	4.79E-04	9.61E-04	4.75E-04	4.73E-04	9.48E-04
5344 485863.09, 3866377.25	0.01261	0.01253	1.92E-03	1.98E-03	1.81E-03	1.85E-03	1.74E-03	5.07E-04	5.04E-04	1.01E-03	4.95E-04	4.92E-04	9.87E-04	4.89E-04	4.86E-04	9.74E-04
5345 486363.09, 3866377.25	0.01304	0.01296	1.98E-03	2.05E-03	1.87E-03	1.91E-03	1.80E-03	5.25E-04	5.22E-04	1.05E-03	5.12E-04	5.09E-04	1.02E-03	5.05E-04	5.02E-04	1.01E-03
5346 486863.09, 3866377.25	0.01305	0.01304	1.98E-03	2.06E-03	1.87E-03	1.91E-03	1.80E-03	5.25E-04	5.25E-04	1.05E-03	5.12E-04	5.12E-04	1.02E-03	5.06E-04	5.05E-04	1.01E-03
5347 487363.09, 3866377.25	0.01316	0.01314	2.00E-03	2.08E-03	1.88E-03	1.93E-03	1.82E-03	5.30E-04	5.29E-04	1.06E-03	5.17E-04	5.16E-04	1.03E-03	5.10E-04	5.09E-04	1.02E-03
5348 487863.09, 3866377.25	0.01338	0.01335	2.03E-03	2.11E-03	1.92E-03	1.96E-03	1.85E-03	5.38E-04	5.37E-04	1.08E-03	5.25E-04	5.24E-04	1.05E-03	5.18E-04	5.17E-04	1.04E-03
5349 488363.09, 3866377.25	0.01386	0.01372	2.11E-03	2.17E-03	1.98E-03	2.03E-03	1.92E-03	5.58E-04	5.52E-04	1.11E-03	5.44E-04	5.39E-04	1.08E-03	5.37E-04	5.32E-04	1.07E-03
5350 488863.09, 3866377.25	0.01408	0.01343	2.14E-03	2.13E-03	2.02E-03	2.06E-03	1.95E-03	5.67E-04	5.40E-04	1.11E-03	5.53E-04	5.27E-04	1.08E-03	5.46E-04	5.20E-04	1.07E-03
5351 489363.09, 3866377.25	0.01334	0.01294	2.03E-03	2.05E-03	1.91E-03	1.96E-03	1.85E-03	5.37E-04	5.21E-04	1.06E-03	5.24E-04	5.08E-04	1.03E-03	5.17E-04	5.01E-04	1.02E-03
5352 489863.09, 3866377.25	0.01155	0.0115	1.76E-03	1.82E-03	1.65E-03	1.69E-03	1.60E-03	4.65E-04	4.63E-04	9.28E-04	4.54E-04	4.52E-04	9.05E-04	4.48E-04	4.46E-04	8.93E-04
5353 490363.09, 3866377.25	0.01431	0.01392	2.17E-03	2.20E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	5.60E-04	1.14E-03	5.62E-04	5.47E-04	1.11E-03	5.54E-04	5.39E-04	1.09E-03
5354 490863.09, 3866377.25	0.01563	0.01435	2.38E-03	2.27E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	5.77E-04	1.21E-03	6.14E-04	5.64E-04	1.18E-03	6.06E-04	5.56E-04	1.16E-03
5355 491363.09, 3866377.25	0.01498	0.01378	2.28E-03	2.18E-03	2.14E-03	2.20E-03	2.07E-03	6.03E-04	5.55E-04	1.16E-03	5.88E-04	5.41E-04	1.13E-03	5.80E-04	5.34E-04	1.11E-03
5356 491863.09, 3866377.25	0.01093	0.01087	1.66E-03	1.72E-03	1.56E-03	1.60E-03	1.51E-03	4.40E-04	4.37E-04	8.77E-04	4.29E-04	4.27E-04	8.56E-04	4.24E-04	4.21E-04	8.45E-04
5357 492363.09, 3866377.25	0.01049	0.01076	1.59E-03	1.70E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	4.33E-04	8.55E-04	4.12E-04	4.23E-04	8.34E-04	4.06E-04	4.17E-04	8.23E-04
5358 492863.09, 3866377.25	0.00973	0.01016	1.48E-03	1.61E-03	1.39E-03	1.43E-03	1.35E-03	3.92E-04	4.09E-04	8.00E-04	3.82E-04	3.99E-04	7.81E-04	3.77E-04	3.94E-04	7.71E-04
5359 493363.09, 3866377.25	0.00867	0.00989	1.32E-03	1.57E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.98E-04	7.47E-04	3.40E-04	3.88E-04	7.29E-04	3.36E-04	3.83E-04	7.19E-04
5360 493863.09, 3866377.25	0.00847	0.01011	1.29E-03	1.60E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	4.07E-04	7.48E-04	3.33E-04	3.97E-04	7.30E-04	3.28E-04	3.92E-04	7.20E-04
5361 494363.09, 3866377.25	0.01001	0.0106	1.52E-03	1.68E-03	1.43E-03	1.47E-03	1.38E-03	4.03E-04	4.27E-04	8.29E-04	3.93E-04	4.16E-04	8.09E-04	3.88E-04	4.11E-04	7.99E-04
5362 494863.09, 3866377.25	0.00997	0.01022	1.51E-03	1.62E-03	1.43E-03	1.46E-03	1.38E-03	4.01E-04	4.11E-04	8.13E-04	3.92E-04	4.01E-04	7.93E-04	3.86E-04	3.96E-04	7.82E-04
5363 495363.09, 3866377.25	0.00992	0.01002	1.51E-03	1.59E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	4.03E-04	8.02E-04	3.90E-04	3.93E-04	7.83E-04	3.84E-04	3.88E-04	7.73E-04
5364 495863.09, 3866377.25	0.00918	0.00873	1.39E-03	1.38E-03	1.31E-03	1.35E-03	1.27E-03	3.69E-04	3.51E-04	7.21E-04	3.60E-04	3.43E-04	7.03E-04	3.56E-04	3.38E-04	6.94E-04
5365 496363.09, 3866377.25	0.00866	0.00773	1.32E-03	1.22E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.11E-04	6.60E-04	3.40E-04	3.04E-04	6.44E-04	3.36E-04	3.00E-04	6.35E-04
5366 496863.09, 3866377.25	0.00653	0.00642	9.92E-04	1.02E-03	9.35E-04	9.57E-04	9.03E-04	2.63E-04	2.58E-04	5.21E-04	2.56E-04	2.52E-04	5.09E-04	2.53E-04	2.49E-04	5.02E-04
5367 497363.09, 3866377.25	0.00589	0.00637	8.95E-04	1.01E-03	8.43E-04	8.64E-04	8.15E-04	2.37E-04	2.56E-04	4.93E-04	2.31E-04	2.50E-04	4.81E-04	2.28E-04	2.47E-04	4.75E-04
5368 497863.09, 3866377.25	0.00686	0.00625	1.04E-03	9.90E-04	9.82E-04	1.01E-03	9.49E-04	2.76E-04	2.52E-04	5.28E-04	2.69E-04	2.45E-04	5.15E-04	2.66E-04	2.42E-04	5.08E-04
5369 498363.09, 3866377.25	0.0063	0.00464	9.57E-04	7.35E-04	9.02E-04	9.24E-04	8.71E-04	2.54E-04	1.87E-04	4.40E-04	2.47E-04	1.82E-04	4.30E-04	2.44E-04	1.80E-04	4.24E-04
5370 474494.92, 3848334.16	0.80305	0.8095	1.22E-01	1.28E-01	1.15E-01	1.18E-01	1.11E-01	3.23E-02	3.26E-02	6.49E-02	3.15E-02	3.18E-02	6.33E-02	3.11E-02	3.14E-02	6.25E-02
5371 475167.27, 3848920.79	0.94548	0.95073	1.44E-01	1.51E-01	1.35E-01	1.39E-01	1.31E-01	3.80E-02	3.83E-02	7.63E-02	3.71E-02	3.73E-02	7.45E-02	3.66E-02	3.68E-02	7.35E-02
5372 475297.89, 3848997.96	0.74581	0.75593	1.13E-01	1.20E-01	1.07E-01	1.09E-01	1.03E-01	3.00E-02	3.04E-02	6.04E-02	2.93E-02	2.97E-02	5.90E-02	2.89E-02	2.93E-02	5.82E-02
5373 475439.05, 3849062	0.91492	0.92683	1.39E-01	1.47E-01	1.31E-01	1.34E-01	1.27E-01	3.68E-02	3.73E-02	7.41E-02	3.59E-02	3.64E-02	7.23E-02	3.55E-02	3.59E-02	7.14E-02
5374 475486.86, 3849061.09	0.70133	0.70938	1.07E-01	1.12E-01	1.00E-01	1.03E-01	9.70E-02	2.82E-02	2.85E-02	5.68E-02	2.75E-02	2.79E-02	5.54E-02	2.72E-02	2.75E-02	5.47E-02
5375 475538.46, 3849075.56	0.71775	0.72348	1.09E-01	1.15E-01	1.03E-01	1.05E-01	9.93E-02	2.89E-02	2.91E-02	5.80E-02	2.82E-02	2.84E-02	5.66E-02	2.78E-02	2.80E-02	5.58E-02
5376 475751.79, 3849137.15	1.05116	1.0682	1.60E-01	1.69E-01	1.50E-01	1.54E-01	1.45E-01	4.23E-02	4.30E-02	8.53E-02	4.13E-02	4.19E-02	8.32E-02	4.07E-02	4.14E-02	8.21E-02
5377 476303.62, 3849223.38	1.01083	1.01671	1.54E-01	1.61E-01	1.45E-01	1.48E-01	1.40E-01	4.07E-02	4.09E-02	8.16E-02	3.97E-02	3.99E-02	7.96E-02	3.92E-02	3.94E-02	7.86E-02
5378 476304.51, 3849238.92	1.36528	1.37645	2.07E-01	2.18E-01	1.95E-01	2.00E-01	1.89E-01	5.49E-02	5.54E-02	1.10E-01	5.36E-02	5.41E-02	1.08E-01	5.29E-02	5.33E-02	1.06E-01
5379 476365.04, 3849247.98	1.23295	1.24649	1.87E-01	1.97E-01	1.77E-01	1.81E-01	1.71E-01	4.96E-02	5.02E-02	9.98E-02	4.84E-02	4.89E-02	9.74E-02	4.78E-02	4.83E-02	9.61E-02
5380 476444.86, 3849267.13	1.21968	1.24017	1.85E-01	1.96E-01	1.75E-01	1.79E-01	1.69E-01	4.91E-02	4.99E-02	9.90E-02	4.79E-02	4.87E-02	9.66E-02	4.73E-02	4.81E-02	9.53E-02
5381 476550.75, 3849300.66	1.39384	1.43215	2.12E-01	2.27E-01	2.00E-01	2.04E-01	1.93E-01	5.61E-02	5.76E-02	1.14E-01	5.47E-02	5.62E-02	1.11E-01	5.40E-02	5.55E-02	1.10E-01
5382 476656.71, 3849346.88	1.24917	1.27082	1.90E-01	2.01E-01	1.79E-01	1.83E-01	1.73E-01	5.03E-02	5.11E-02	1.01E-01	4.91E-02	4.99E-02	9.90E-02	4.84E-02	4.92E-02	9.76E-02
5383 476873.55, 3849454.53	1.15634	1.16835	1.76E-01	1.85E-01	1.66E-01	1.70E-01	1.60E-01	4.65E-02	4.70E-02	9.36E-02	4.54E-02	4.59E-02	9.13E-02	4.48E-02	4.53E-02	9.01E-02
5384 477700, 3849859.7	1.13442	1.12129	1.72E-01	1.78E-01	1.62E-01	1.66E-01	1.57E-01	4.57E-02	4.51E-02	9.08E-02	4.45E-02	4.40E-02	8.86E-02	4.40E-02	4.34E-02	8.74E-02
5385 477743.16, 3849856.38	0.83102	0.82509	1.26E-01	1.31E-01	1.19E-01	1.22E-01	1.15E-01	3.34E-02	3.32E-02	6.66E-02	3.26E-02	3.24E-02	6.50E-02	3.22E-02	3.20E-02	6.42E-02
5386 478477.35, 3850216.33	0.84924	0.8361	1.29E-01	1.32E-01	1.22E-01	1.25E-01	1.17E-01	3.42E-02	3.36E-02	6.78E-02	3.33E-02	3.28E-02	6.62E-02	3.29E-02	3.24E-02	6.53E-02
5387 478485.8, 3850201.6	0.69182	0.68716	1.05E-01	1.09E-01	9.90E-02	1.01E-01	9.57E-02	2.78E-02	2.77E-02	5.55E-02	2.72E-02	2.70E-02	5.42E-02	2.68E-02	2.66E-02	5.34E-02
5388 479113.21, 3850501.53	0.64645	0.64161	9.82E-02	1.02E-01	9.25E-02	9.48E-02	8.94E-02	2.60E-02	2.58E-02	5.18E-02	2.54E-02	2.52E-02	5.06E-02	2.50E-02	2.49E-02	4.99E-02
5389 479108.11, 3850382.28	0.34107	0.34158	5.18E-02	5.41E-02	4.88E-02	5.00E-02	4.72E-02	1.37E-02	1.37E-02	2.75E-02	1.34E-02	1.34E-02	2.68E-02	1.32E-02	1.32E-02	2.65E-02
5390 479689.85, 3850674.28	0.3594	0.35496	5.46E-02	5.62E-02	5.15E-02	5.27E-02	4.97E-02	1.45E-02	1.43E-02	2.87E-02	1.41E-02	1.39E-02	2.81E-02	1.39E-02	1.38E-02	2.77E-02
5391 479952.42, 3850774.28	0.32476	0.32123	4.93E-02	5.09E-02	4.65E-02	4.76E-02	4.49E-02	1.31E-02	1.29E-02	2.60E-02	1.28E-02	1.26E-02	2.54E-02	1.26E-02	1.24E-02	2.50E-02
5392 479911.32, 3850884.85	0.63247	0.62137	9.61E-02	9.84E-02	9.05E-02	9.27E-02	8.75E-02	2.55E-02	2.50E-02	5.05E-02	2.48E-02	2.44E-02	4.92E-02	2.45E-02	2.41E-02	4.86E-02
5393 480500.92, 3851178.12	0.64599	0.64688	9.82E-02	1.02E-01	9.25E-02	9.47E-02	8.93E-02	2.60E-02	2.60E-02	5.20E-02	2.54E-02	2.54E-02	5.08E-02	2.50E-02	2.51E-02	5.01E-02
5394 480738.01, 3851289.27	0.61682	0.62581	9.37E-02	9.91E-02	8.83E-02	9.04E-02	8.53E-02	2.48E-02	2.52E-02	5.00E-02	2.42E-02	2.46E-02	4.88E-02	2.39E-02	2.42E-02	4.82E-02
5395 481055.42, 3851443.58	0.58295	0.59726	8.86E-02	9.46E-02	8.35E-02	8.55E-02	8.06E-02	2.35E-02	2.40E-02	4.75E-02	2.29E-02	2.35E-02	4.63E-02	2.26E-02	2.31E-02	4.57E-02
5396 481110.22, 3851443.15	0.49205	0.50025	7.48E-02	7.92E-02	7.04E-02	7.21E-02	6.81E-02	1.98E-02	2.01E-02	3.99E-02	1.93E-02	1.96E-02	3.90E-02	1.91E-02	1.94E-02	3.85E-02
5397 481111.1, 3851417.45	0.43052	0.43938	6.54E-02	6.96E-02	6.16E-02	6.31E-02	5.95E-02	1.73E-02	1.77E-02	3.50E-02	1.69E-02	1.73E-02	3.42E-02	1.67E-02	1.70E-02	3.37E-02
5398 482248.44, 3852605.09	0.57861	0.58078	8.79E-02	9.20E-02	8.28E-02	8.48E-02	8.00E-02	2.33E-02	2.34E-02	4.67E-02	2.27E-02	2.28E-02	4.55E-02	2.24E-02	2.25E-02	4.49E-02
5399 482273.34, 3852632.31	0.59076	0.59265	8.98E-02	9.38E-02	8.46E-02	8.66E-02	8.17E-02	2.38E-02	2.39E-02	4.76E-02	2.32E-02	2.33E-02	4.65E-02	2.29E-02	2.30E-02	4.59E-02
5400 482665.46, 3853038.72	0.49062	0.4995	7.46E-02	7.91E-02	7.02E-02	7.19E-02	6.79E-02	1.97E-02	2.01E-02	3.98E-02	1.93E-02	1.96E-02	3.89E-02	1.90E-02	1.94E-02	3.84E-02
5401 483077.95, 3853844.31	0.23921	0.36637	3.63E-02	5.80E-02	3.42E-02	3.51E-02	3.31E-02	9.63E-03	1.47E-02	2.44E-02	9.39E-03	1.44E-02	2.38E-02	9.27E-03	1.42E-02	2.35E-02
5402 483121.38, 3853909.38	0.21493	0.34437	3.27E-02	5.45E-02	3.08E-02	3.15E-02	2.97E-02	8.65E-03	1.39E-02	2.25E-02	8.44E-03	1.35E-02	2.20E-02	8.33E-03	1.33E-02	2.17E-02
5403 483492.64, 3853911.49	0.11899	0.1703	1.81E-02	2.70E-02	1.70E-02	1.74E-02	1.65E-02	4.79E-03	6.85E-03	1.16E-02	4.67E-03	6.69E-03	1.14E-02	4.61E-03	6.60E-03	1.12E-02
5404 483498.29, 3854204.73	0.11837	0.39413	1.80E-02	6.24E-02	1.69E-02	1.74E-02	1.64E-02	4.76E-03	1.59E-02	2.06E-02	4.65E-03	1.55E-02	2.01E-02	4.59E-03	1.53E-02	1.99E-02
5405 484132.44, 3854662.55	0.04619	0.61383	7.02E-03	9.72E-02	6.61E-03	6.77E-03	6.39E-03	1.86E-03	2.47E-02	2.66E-02	1.81E-03	2.41E-02	2.59E-02	1.79E-03	2.38E-02	2.56E-02
5406 484627.62, 3854876.13	0.04704	0.57936	7.15E-03	9.17E-02	6.73E-03	6.90E-03	6.51E-03	1.89E-03	2.33E-02	2.52E-02	1.85E-03	2.28E-02	2.46E-02	1.82E-03	2.24E-02	2.43E-02
5407 484756.14, 3854949.04	0.04837	0.5966	7.35E-03	9.45E-02	6.92E-03	7.09E-03	6.69E-03	1.95E-03	2.40E-02	2.60E-02	1.90E-03	2.34E-02	2.53E-02	1.87E-03	2.31E-02	2.50E-02
5408 486697.51, 3856599.17	0.06143	0.26841	9.33E-03	4.25E-02	8.79E-03	9.01E-03	8.50E-03	2.47E-03	1.08E-02	1.33E-02	2.41E-03	1.05E-02	1.30E-02	2.38E-03	1.04E-02	1.28E-02

5409 487105.31, 3856962.27	0.07594	0.24931	1.15E-02	3.95E-02	1.09E-02	1.11E-02	1.05E-02	3.06E-03	1.00E-02	1.31E-02	2.98E-03	9.79E-03	1.28E-02	2.94E-03	9.66E-03	1.26E-02
5410 487157.57, 3856901.7	0.07239	0.20546	1.10E-02	3.25E-02	1.04E-02	1.06E-02	1.00E-02	2.91E-03	8.27E-03	1.12E-02	2.84E-03	8.07E-03	1.09E-02	2.81E-03	7.96E-03	1.08E-02
5411 487173.5, 3856853.74	0.07039	0.18876	1.07E-02	2.99E-02	1.01E-02	1.03E-02	9.74E-03	2.83E-03	7.60E-03	1.04E-02	2.76E-03	7.41E-03	1.02E-02	2.73E-03	7.31E-03	1.00E-02
5412 487564.41, 3856860.83	0.06749	0.13502	1.03E-02	2.14E-02	9.66E-03	9.90E-03	9.33E-03	2.72E-03	5.43E-03	8.15E-03	2.65E-03	5.30E-03	7.95E-03	2.62E-03	5.23E-03	7.85E-03
5413 487563.31, 3856931.58	0.07112	0.14218	1.08E-02	2.25E-02	1.02E-02	1.04E-02	9.84E-03	2.86E-03	5.72E-03	8.58E-03	2.79E-03	5.58E-03	8.38E-03	2.76E-03	5.51E-03	8.27E-03
5414 487782.7, 3856926.85	0.06859	0.1223	1.04E-02	1.94E-02	9.82E-03	1.01E-02	9.49E-03	2.76E-03	4.92E-03	7.68E-03	2.69E-03	4.80E-03	7.50E-03	2.66E-03	4.74E-03	7.40E-03
5415 487782.39, 3856757.07	0.06309	0.11027	9.59E-03	1.75E-02	9.03E-03	9.25E-03	8.73E-03	2.54E-03	4.44E-03	6.98E-03	2.48E-03	4.33E-03	6.81E-03	2.44E-03	4.27E-03	6.72E-03
5416 487917.26, 3856752.41	0.06306	0.10307	9.58E-03	1.63E-02	9.03E-03	9.25E-03	8.72E-03	2.54E-03	4.15E-03	6.69E-03	2.48E-03	4.05E-03	6.52E-03	2.44E-03	3.99E-03	6.44E-03
5417 487919.57, 3856953.35	0.06869	0.11451	1.04E-02	1.81E-02	9.83E-03	1.01E-02	9.50E-03	2.76E-03	4.61E-03	7.37E-03	2.70E-03	4.50E-03	7.19E-03	2.66E-03	4.44E-03	7.10E-03
5418 487932.76, 3857000.32	0.06926	0.11706	1.05E-02	1.85E-02	9.92E-03	1.02E-02	9.58E-03	2.79E-03	4.71E-03	7.50E-03	2.72E-03	4.60E-03	7.32E-03	2.68E-03	4.54E-03	7.22E-03
5419 487960.5, 3857044.75	0.07032	0.11838	1.07E-02	1.87E-02	1.01E-02	1.03E-02	9.73E-03	2.83E-03	4.76E-03	7.59E-03	2.76E-03	4.65E-03	7.41E-03	2.72E-03	4.59E-03	7.31E-03
5420 488016.54, 3857089.54	0.07141	0.11759	1.09E-02	1.86E-02	1.02E-02	1.05E-02	9.88E-03	2.87E-03	4.73E-03	7.61E-03	2.80E-03	4.62E-03	7.42E-03	2.77E-03	4.56E-03	7.32E-03
5421 488114.39, 3857165.47	0.07439	0.1163	1.13E-02	1.84E-02	1.06E-02	1.09E-02	1.03E-02	2.99E-03	4.68E-03	7.67E-03	2.92E-03	4.57E-03	7.49E-03	2.88E-03	4.51E-03	7.39E-03
5422 488171.49, 3857234.24	0.07765	0.11722	1.18E-02	1.86E-02	1.11E-02	1.14E-02	1.07E-02	3.12E-03	4.72E-03	7.84E-03	3.05E-03	4.60E-03	7.65E-03	3.01E-03	4.54E-03	7.55E-03
5423 488193.16, 3857297.8	0.08106	0.11989	1.23E-02	1.90E-02	1.16E-02	1.19E-02	1.12E-02	3.26E-03	4.82E-03	8.09E-03	3.18E-03	4.71E-03	7.89E-03	3.14E-03	4.65E-03	7.79E-03
5424 488189.27, 3857649.94	0.10324	0.15684	1.57E-02	2.48E-02	1.48E-02	1.51E-02	1.43E-02	4.15E-03	6.31E-03	1.05E-02	4.05E-03	6.16E-03	1.02E-02	4.00E-03	6.08E-03	1.01E-02
5425 488127.43, 3857732.32	0.11255	0.18359	1.71E-02	2.91E-02	1.61E-02	1.65E-02	1.56E-02	4.53E-03	7.39E-03	1.19E-02	4.42E-03	7.21E-03	1.16E-02	4.36E-03	7.11E-03	1.15E-02
5426 488149.93, 3857752.94	0.11346	0.18343	1.72E-02	2.90E-02	1.62E-02	1.66E-02	1.57E-02	4.57E-03	7.38E-03	1.19E-02	4.46E-03	7.20E-03	1.17E-02	4.40E-03	7.11E-03	1.15E-02
5427 488144.76, 3857758.71	0.11409	0.18576	1.73E-02	2.94E-02	1.63E-02	1.67E-02	1.58E-02	4.59E-03	7.48E-03	1.21E-02	4.48E-03	7.29E-03	1.18E-02	4.42E-03	7.20E-03	1.16E-02
5428 488335.58, 3857932.55	0.12531	0.18695	1.90E-02	2.96E-02	1.79E-02	1.84E-02	1.73E-02	5.04E-03	7.52E-03	1.26E-02	4.92E-03	7.34E-03	1.23E-02	4.86E-03	7.24E-03	1.21E-02
5429 488372.29, 3857943.79	0.12586	0.18156	1.91E-02	2.87E-02	1.80E-02	1.85E-02	1.74E-02	5.07E-03	7.31E-03	1.24E-02	4.94E-03	7.13E-03	1.21E-02	4.88E-03	7.04E-03	1.19E-02
5430 488828.64, 3857936.4	0.11075	0.12746	1.68E-02	2.02E-02	1.59E-02	1.62E-02	1.53E-02	4.46E-03	5.13E-03	9.59E-03	4.35E-03	5.01E-03	9.35E-03	4.29E-03	4.94E-03	9.23E-03
5431 488829.08, 3857959.58	0.11227	0.12922	1.71E-02	2.05E-02	1.61E-02	1.65E-02	1.55E-02	4.52E-03	5.20E-03	9.72E-03	4.41E-03	5.07E-03	9.48E-03	4.35E-03	5.01E-03	9.36E-03
5432 488351.61, 3857964.55	0.12876	0.19164	1.96E-02	3.03E-02	1.84E-02	1.89E-02	1.78E-02	5.18E-03	7.71E-03	1.29E-02	5.06E-03	7.53E-03	1.26E-02	4.99E-03	7.43E-03	1.24E-02
5433 488316.87, 3857947.65	0.12742	0.19532	1.94E-02	3.09E-02	1.82E-02	1.87E-02	1.76E-02	5.13E-03	7.86E-03	1.30E-02	5.00E-03	7.67E-03	1.27E-02	4.94E-03	7.57E-03	1.25E-02
5434 488129.1, 3857775.77	0.11599	0.19395	1.76E-02	3.07E-02	1.66E-02	1.70E-02	1.60E-02	4.67E-03	7.81E-03	1.25E-02	4.55E-03	7.62E-03	1.22E-02	4.49E-03	7.52E-03	1.20E-02
5435 488062.53, 3857846.13	0.12525	0.23766	1.90E-02	3.76E-02	1.79E-02	1.84E-02	1.73E-02	5.04E-03	9.56E-03	1.46E-02	4.92E-03	9.33E-03	1.43E-02	4.85E-03	9.21E-03	1.41E-02
5436 488330.41, 3858091.34	0.14551	0.23315	2.21E-02	3.69E-02	2.08E-02	2.13E-02	2.01E-02	5.86E-03	9.38E-03	1.52E-02	5.71E-03	9.16E-03	1.49E-02	5.64E-03	9.03E-03	1.47E-02
5437 488470.87, 3858174.45	0.15426	0.21694	2.34E-02	3.43E-02	2.21E-02	2.26E-02	2.13E-02	6.21E-03	8.73E-03	1.49E-02	6.06E-03	8.52E-03	1.46E-02	5.98E-03	8.41E-03	1.44E-02
5438 488568.9, 3858262.31	0.17263	0.2258	2.62E-02	3.58E-02	2.47E-02	2.53E-02	2.39E-02	6.95E-03	9.09E-03	1.60E-02	6.78E-03	8.87E-03	1.56E-02	6.69E-03	8.75E-03	1.54E-02
5439 488964.27, 3858025.71	0.11161	0.12293	1.70E-02	1.95E-02	1.60E-02	1.64E-02	1.54E-02	4.49E-03	4.95E-03	9.44E-03	4.38E-03	4.83E-03	9.21E-03	4.32E-03	4.76E-03	9.09E-03
5440 489147.25, 3857956.64	0.09924	0.10655	1.51E-02	1.69E-02	1.42E-02	1.46E-02	1.37E-02	3.99E-03	4.29E-03	8.28E-03	3.90E-03	4.18E-03	8.08E-03	3.85E-03	4.13E-03	7.97E-03
5441 489343.52, 3857932.45	0.09126	0.09692	1.39E-02	1.53E-02	1.31E-02	1.34E-02	1.26E-02	3.67E-03	3.90E-03	7.57E-03	3.58E-03	3.81E-03	7.39E-03	3.54E-03	3.76E-03	7.29E-03
5442 489866.19, 3857923.19	0.07745	0.07868	1.18E-02	1.25E-02	1.11E-02	1.14E-02	1.07E-02	3.12E-03	3.17E-03	6.28E-03	3.04E-03	3.09E-03	6.13E-03	3.00E-03	3.05E-03	6.05E-03
5443 489955.65, 3857902.27	0.07398	0.07513	1.12E-02	1.19E-02	1.06E-02	1.08E-02	1.02E-02	2.98E-03	3.02E-03	6.00E-03	2.91E-03	2.95E-03	5.86E-03	2.87E-03	2.91E-03	5.78E-03
5444 490079.44, 3857847.9	0.07214	0.0722	1.10E-02	1.14E-02	1.03E-02	1.06E-02	9.98E-03	2.90E-03	2.91E-03	5.81E-03	2.83E-03	2.84E-03	5.67E-03	2.80E-03	2.80E-03	5.59E-03
5445 490108.49, 3857934.13	0.07348	0.07283	1.12E-02	1.15E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	2.93E-03	5.89E-03	2.89E-03	2.86E-03	5.75E-03	2.85E-03	2.82E-03	5.67E-03
5446 489884.48, 3858014.17	0.08051	0.08038	1.22E-02	1.27E-02	1.15E-02	1.18E-02	1.11E-02	3.24E-03	3.23E-03	6.47E-03	3.16E-03	3.16E-03	6.32E-03	3.12E-03	3.11E-03	6.23E-03
5447 489326.56, 3858025.86	0.09674	0.10254	1.47E-02	1.62E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	4.13E-03	8.02E-03	3.80E-03	4.03E-03	7.83E-03	3.75E-03	3.97E-03	7.72E-03
5448 489130.38, 3858056.71	0.10462	0.1145	1.59E-02	1.81E-02	1.50E-02	1.53E-02	1.45E-02	4.21E-03	4.61E-03	8.82E-03	4.11E-03	4.50E-03	8.60E-03	4.05E-03	4.44E-03	8.49E-03
5449 488936.49, 3858143.93	0.12241	0.13785	1.86E-02	2.18E-02	1.75E-02	1.79E-02	1.69E-02	4.93E-03	5.55E-03	1.05E-02	4.81E-03	5.41E-03	1.02E-02	4.74E-03	5.34E-03	1.01E-02
5450 488638.08, 3858327.45	0.179	0.22644	2.72E-02	3.59E-02	2.56E-02	2.62E-02	2.48E-02	7.20E-03	9.11E-03	1.63E-02	7.03E-03	8.89E-03	1.59E-02	6.94E-03	8.77E-03	1.57E-02
5451 488663.79, 3858349.57	0.18032	0.22565	2.74E-02	3.57E-02	2.58E-02	2.64E-02	2.49E-02	7.26E-03	9.08E-03	1.63E-02	7.08E-03	8.86E-03	1.59E-02	6.99E-03	8.74E-03	1.57E-02
5452 488694.56, 3858349.5	0.17664	0.21598	2.68E-02	3.42E-02	2.53E-02	2.59E-02	2.44E-02	7.11E-03	8.69E-03	1.58E-02	6.94E-03	8.48E-03	1.54E-02	6.84E-03	8.37E-03	1.52E-02
5453 488694.35, 3858336.75	0.17406	0.21211	2.64E-02	3.36E-02	2.49E-02	2.55E-02	2.41E-02	7.00E-03	8.54E-03	1.55E-02	6.84E-03	8.33E-03	1.52E-02	6.74E-03	8.22E-03	1.50E-02
5454 488712.81, 3858336.38	0.17131	0.20696	2.60E-02	3.28E-02	2.45E-02	2.51E-02	2.37E-02	6.89E-03	8.33E-03	1.52E-02	6.73E-03	8.13E-03	1.49E-02	6.64E-03	8.02E-03	1.47E-02
5455 488713.23, 3858367.46	0.17792	0.21626	2.70E-02	3.42E-02	2.55E-02	2.61E-02	2.46E-02	7.16E-03	8.70E-03	1.59E-02	6.99E-03	8.49E-03	1.55E-02	6.89E-03	8.38E-03	1.53E-02
5456 488704.63, 3858384.05	0.18276	0.22465	2.78E-02	3.56E-02	2.62E-02	2.68E-02	2.53E-02	7.35E-03	9.04E-03	1.64E-02	7.18E-03	8.82E-03	1.60E-02	7.08E-03	8.70E-03	1.58E-02
5457 488604.15, 3858488.29	0.24767	0.35171	3.76E-02	5.57E-02	3.55E-02	3.63E-02	3.43E-02	9.97E-03	1.42E-02	2.41E-02	9.73E-03	1.38E-02	2.35E-02	9.60E-03	1.36E-02	2.32E-02
5458 488605.66, 3858550.47	0.28399	0.43721	4.32E-02	6.92E-02	4.07E-02	4.16E-02	3.93E-02	1.14E-02	1.76E-02	2.90E-02	1.12E-02	1.72E-02	2.83E-02	1.10E-02	1.69E-02	2.79E-02
5459 488692.68, 3858548.71	0.25447	0.33086	3.87E-02	5.24E-02	3.64E-02	3.73E-02	3.52E-02	1.02E-02	1.33E-02	2.36E-02	9.99E-03	1.30E-02	2.30E-02	9.86E-03	1.28E-02	2.27E-02
5460 488759.93, 3858461.81	0.19994	0.23476	3.04E-02	3.72E-02	2.86E-02	2.93E-02	2.77E-02	8.05E-03	9.45E-03	1.75E-02	7.85E-03	9.22E-03	1.71E-02	7.75E-03	9.10E-03	1.68E-02
5461 488816.57, 3858541.79	0.21853	0.24689	3.32E-02	3.91E-02	3.13E-02	3.20E-02	3.02E-02	8.79E-03	9.94E-03	1.87E-02	8.58E-03	9.70E-03	1.83E-02	8.47E-03	9.57E-03	1.80E-02
5462 488944.63, 3858656.77	0.23698	0.24991	3.60E-02	3.96E-02	3.39E-02	3.47E-02	3.28E-02	9.54E-03	1.01E-02	1.96E-02	9.31E-03	9.81E-03	1.91E-02	9.18E-03	9.68E-03	1.89E-02
5463 489134.91, 3858830.7	0.27916	0.28137	4.24E-02	4.45E-02	4.00E-02	4.09E-02	3.86E-02	1.12E-02	1.13E-02	2.26E-02	1.10E-02	1.10E-02	2.20E-02	1.08E-02	1.09E-02	2.17E-02
5464 489193.99, 3858886.05	0.29505	0.29678	4.48E-02	4.70E-02	4.22E-02	4.33E-02	4.08E-02	1.19E-02	1.19E-02	2.38E-02	1.16E-02	1.17E-02	2.32E-02	1.14E-02	1.15E-02	2.29E-02
5465 489295.2, 3858954.34	0.30537	0.29769	4.64E-02	4.71E-02	4.37E-02	4.48E-02	4.22E-02	1.23E-02	1.20E-02	2.43E-02	1.20E-02	1.17E-02	2.37E-02	1.18E-02	1.15E-02	2.34E-02
5466 489295.64, 3858992.74	0.3448	0.33868	5.24E-02	5.36E-02	4.94E-02	5.06E-02	4.77E-02	1.39E-02	1.36E-02	2.75E-02	1.35E-02	1.33E-02	2.68E-02	1.34E-02	1.31E-02	2.65E-02
5467 489183.74, 3858911.72	0.32276	0.32969	4.90E-02	5.22E-02	4.62E-02	4.73E-02	4.46E-02	1.30E-02	1.33E-02	2.63E-02	1.27E-02	1.29E-02	2.56E-02	1.25E-02	1.28E-02	2.53E-02
5468 488873.37, 3858625.59	0.24109	0.26518	3.66E-02	4.20E-02	3.45E-02	3.54E-02	3.33E-02	9.70E-03	1.07E-02	2.04E-02	9.47E-03	1.04E-02	1.99E-02	9.34E-03	1.03E-02	1.96E-02
5469 488842.84, 3858658.69	0.26899	0.30764	4.09E-02	4.87E-02	3.85E-02	3.94E-02	3.72E-02	1.08E-02	1.24E-02	2.32E-02	1.06E-02	1.21E-02	2.26E-02	1.04E-02	1.19E-02	2.23E-02
5470 488856.39, 3858670.93	0.27128	0.30776	4.12E-02	4.87E-02	3.88E-02	3.98E-02	3.75E-02	1.09E-02	1.24E-02	2.33E-02	1.07E-02	1.21E-02	2.27E-02	1.05E-02	1.19E-02	2.24E-02
5471 488805.7, 3858724.5	0.34329	0.4269	5.22E-02	6.76E-02	4.91E-02	5.03E-02	4.75E-02	1.38E-02	1.72E-02	3.10E-02	1.35E-02	1.68E-02	3.02E-02	1.33E-02	1.65E-02	2.98E-02
5472 488805.87, 3858804.16	0.47397	0.79839	7.20E-02	1.26E-01	6.79E-02	6.95E-02	6.56E-02	1.91E-02	3.21E-02	5.12E-02	1.86E-02	3.14E-02	5.00E-02	1.84E-02	3.09E-02	4.93E-02
5473 488995.78, 3858936.96	0.56463	0.79298	8.58E-02	1.26E-01	8.08E-02	8.28E-02	7.81E-02	2.27E-02	3.19E-02	5.46E-02	2.22E-02	3.11E-02	5.33E-02	2.19E-02	3.07E-02	5.26E-02
5474 489130.76, 3859017.38	0.59204	0.6769	9.00E-02	1.07E-01	8.48E-02	8.68E-02	8.19E-02	2.38E-02	2.72E-02	5.11E-02	2.32E-02	2.66E-02	4.98E-02	2.29E-02	2.62E-02	4.92E-02

5475 489130.92, 3859052.24	0.82391	1.04095	1.25E-01	1.65E-01	1.18E-01	1.21E-01	1.14E-01	3.32E-02	4.19E-02	7.50E-02	3.24E-02	4.09E-02	7.32E-02	3.19E-02	4.03E-02	7.23E-02
5476 489200.33, 3859090.6	0.82208	0.94206	1.25E-01	1.49E-01	1.18E-01	1.21E-01	1.14E-01	3.31E-02	3.79E-02	7.10E-02	3.23E-02	3.70E-02	6.93E-02	3.19E-02	3.65E-02	6.84E-02
5477 489296.07, 3859143.7	0.81938	0.90903	1.25E-01	1.44E-01	1.17E-01	1.20E-01	1.13E-01	3.30E-02	3.66E-02	6.96E-02	3.22E-02	3.57E-02	6.79E-02	3.17E-02	3.52E-02	6.70E-02
5478 489296.43, 3858954.74	0.30516	0.29733	4.64E-02	4.71E-02	4.37E-02	4.47E-02	4.22E-02	1.23E-02	1.20E-02	2.42E-02	1.20E-02	1.17E-02	2.37E-02	1.18E-02	1.15E-02	2.33E-02
5479 489410.33, 3859033.19	0.32018	0.30336	4.87E-02	4.80E-02	4.58E-02	4.69E-02	4.43E-02	1.29E-02	1.22E-02	2.51E-02	1.26E-02	1.19E-02	2.45E-02	1.24E-02	1.18E-02	2.42E-02
5480 489371.37, 3859089.8	0.42168	0.41997	6.41E-02	6.65E-02	6.04E-02	6.18E-02	5.83E-02	1.70E-02	1.69E-02	3.39E-02	1.66E-02	1.65E-02	3.31E-02	1.63E-02	1.63E-02	3.26E-02
5481 489390.52, 3859102.82	0.4257	0.42606	6.47E-02	6.75E-02	6.09E-02	6.24E-02	5.89E-02	1.71E-02	1.71E-02	3.43E-02	1.67E-02	1.67E-02	3.34E-02	1.65E-02	1.65E-02	3.30E-02
5482 489382.3, 3859114.53	0.45827	0.46294	6.96E-02	7.33E-02	6.56E-02	6.72E-02	6.34E-02	1.84E-02	1.86E-02	3.71E-02	1.80E-02	1.82E-02	3.62E-02	1.78E-02	1.79E-02	3.57E-02
5483 489363.04, 3859102.45	0.45487	0.46038	6.91E-02	7.29E-02	6.51E-02	6.67E-02	6.29E-02	1.83E-02	1.85E-02	3.68E-02	1.79E-02	1.81E-02	3.59E-02	1.76E-02	1.78E-02	3.55E-02
5484 489337.52, 3859140.71	0.63046	0.67147	9.58E-02	1.06E-01	9.03E-02	9.24E-02	8.72E-02	2.54E-02	2.70E-02	5.24E-02	2.48E-02	2.64E-02	5.11E-02	2.44E-02	2.60E-02	5.04E-02
5485 489375.14, 3859164.55	0.64793	0.69057	9.85E-02	1.09E-01	9.28E-02	9.50E-02	8.96E-02	2.61E-02	2.78E-02	5.39E-02	2.54E-02	2.71E-02	5.26E-02	2.51E-02	2.68E-02	5.19E-02
5486 489409.3, 3859114.5	0.42809	0.42849	6.50E-02	6.78E-02	6.13E-02	6.28E-02	5.92E-02	1.72E-02	1.72E-02	3.45E-02	1.68E-02	1.68E-02	3.36E-02	1.66E-02	1.66E-02	3.32E-02
5487 489434.87, 3859131.81	0.43427	0.43513	6.60E-02	6.89E-02	6.22E-02	6.37E-02	6.01E-02	1.75E-02	1.75E-02	3.50E-02	1.71E-02	1.71E-02	3.41E-02	1.68E-02	1.69E-02	3.37E-02
5488 489471.87, 3859075.75	0.32904	0.31044	5.00E-02	4.92E-02	4.71E-02	4.82E-02	4.55E-02	1.32E-02	1.25E-02	2.57E-02	1.29E-02	1.22E-02	2.51E-02	1.27E-02	1.20E-02	2.48E-02
5489 489602.62, 3859164.69	0.34788	0.33516	5.29E-02	5.31E-02	4.98E-02	5.10E-02	4.81E-02	1.40E-02	1.35E-02	2.75E-02	1.37E-02	1.32E-02	2.68E-02	1.35E-02	1.30E-02	2.65E-02
5490 489558.29, 3859232.45	0.51087	0.51647	7.76E-02	8.18E-02	7.31E-02	7.49E-02	7.07E-02	2.06E-02	2.08E-02	4.13E-02	2.01E-02	2.03E-02	4.03E-02	1.98E-02	2.00E-02	3.98E-02
5491 489620.11, 3859273.56	0.53256	0.5369	8.09E-02	8.50E-02	7.62E-02	7.81E-02	7.37E-02	2.14E-02	2.16E-02	4.30E-02	2.09E-02	2.11E-02	4.20E-02	2.06E-02	2.08E-02	4.14E-02
5492 489666.06, 3859206.42	0.356	0.34391	5.41E-02	5.45E-02	5.10E-02	5.22E-02	4.92E-02	1.43E-02	1.38E-02	2.82E-02	1.40E-02	1.35E-02	2.75E-02	1.38E-02	1.33E-02	2.71E-02
5493 489787.9, 3859285.65	0.37124	0.36014	5.64E-02	5.70E-02	5.31E-02	5.44E-02	5.13E-02	1.49E-02	1.45E-02	2.94E-02	1.46E-02	1.41E-02	2.87E-02	1.44E-02	1.40E-02	2.83E-02
5494 489752.17, 3859343.13	0.52149	0.52598	7.92E-02	8.33E-02	7.47E-02	7.65E-02	7.21E-02	2.10E-02	2.12E-02	4.22E-02	2.05E-02	2.07E-02	4.11E-02	2.02E-02	2.04E-02	4.06E-02
5495 489814.94, 3859385.33	0.54798	0.55837	8.33E-02	8.84E-02	7.84E-02	8.03E-02	7.58E-02	2.21E-02	2.25E-02	4.45E-02	2.15E-02	2.19E-02	4.34E-02	2.12E-02	2.16E-02	4.29E-02
5496 489853.42, 3859330.74	0.38406	0.37575	5.84E-02	5.95E-02	5.50E-02	5.63E-02	5.31E-02	1.55E-02	1.51E-02	3.06E-02	1.51E-02	1.48E-02	2.98E-02	1.49E-02	1.46E-02	2.94E-02
5497 489969.5, 3859401.91	0.39608	0.39043	6.02E-02	6.18E-02	5.67E-02	5.81E-02	5.48E-02	1.59E-02	1.57E-02	3.17E-02	1.56E-02	1.53E-02	3.09E-02	1.53E-02	1.51E-02	3.05E-02
5498 490166.91, 3859486.96	0.37138	0.36682	5.64E-02	5.81E-02	5.32E-02	5.45E-02	5.14E-02	1.49E-02	1.48E-02	2.97E-02	1.46E-02	1.44E-02	2.90E-02	1.44E-02	1.42E-02	2.86E-02
5499 490128.86, 3859571.46	0.68838	0.68353	1.05E-01	1.08E-01	9.85E-02	1.01E-01	9.52E-02	2.77E-02	2.75E-02	5.52E-02	2.70E-02	2.68E-02	5.39E-02	2.67E-02	2.65E-02	5.32E-02
5500 490186.65, 3859593.65	0.71166	0.70491	1.08E-01	1.12E-01	1.02E-01	1.04E-01	9.84E-02	2.86E-02	2.84E-02	5.70E-02	2.79E-02	2.77E-02	5.56E-02	2.76E-02	2.73E-02	5.49E-02
5501 490223.74, 3859517.48	0.38079	0.37501	5.79E-02	5.94E-02	5.45E-02	5.58E-02	5.27E-02	1.53E-02	1.51E-02	3.04E-02	1.50E-02	1.47E-02	2.97E-02	1.48E-02	1.45E-02	2.93E-02
5502 490846.34, 3859817.22	0.49452	0.51335	7.51E-02	8.13E-02	7.08E-02	7.25E-02	6.84E-02	1.99E-02	2.07E-02	4.06E-02	1.94E-02	2.02E-02	3.96E-02	1.92E-02	1.99E-02	3.91E-02
5503 490925.65, 3859844.59	0.45552	0.47191	6.92E-02	7.47E-02	6.52E-02	6.68E-02	6.30E-02	1.83E-02	1.90E-02	3.73E-02	1.79E-02	1.85E-02	3.64E-02	1.77E-02	1.83E-02	3.59E-02
5504 491159.29, 3859896.28	0.35971	0.35981	5.47E-02	5.70E-02	5.15E-02	5.27E-02	4.98E-02	1.45E-02	1.45E-02	2.90E-02	1.41E-02	1.41E-02	2.83E-02	1.39E-02	1.39E-02	2.79E-02
5505 491370.69, 3859960.89	0.30944	0.31167	4.70E-02	4.93E-02	4.43E-02	4.54E-02	4.28E-02	1.25E-02	1.25E-02	2.50E-02	1.22E-02	1.22E-02	2.44E-02	1.20E-02	1.21E-02	2.41E-02
5506 491330.28, 3860063.17	0.4518	0.44057	6.87E-02	6.98E-02	6.47E-02	6.62E-02	6.25E-02	1.82E-02	1.77E-02	3.59E-02	1.77E-02	1.73E-02	3.50E-02	1.75E-02	1.71E-02	3.46E-02
5507 491636.45, 3860180.75	0.29447	0.29799	4.47E-02	4.72E-02	4.22E-02	4.32E-02	4.07E-02	1.19E-02	1.20E-02	2.38E-02	1.16E-02	1.17E-02	2.33E-02	1.14E-02	1.15E-02	2.30E-02
5508 491617.94, 3860203.93	0.32585	0.33145	4.95E-02	5.25E-02	4.66E-02	4.78E-02	4.51E-02	1.31E-02	1.33E-02	2.65E-02	1.28E-02	1.30E-02	2.58E-02	1.26E-02	1.28E-02	2.55E-02
5509 491805.68, 3860271.59	0.2664	0.27298	4.05E-02	4.32E-02	3.81E-02	3.91E-02	3.68E-02	1.07E-02	1.10E-02	2.17E-02	1.05E-02	1.07E-02	2.12E-02	1.03E-02	1.06E-02	2.09E-02
5510 491654.23, 3860414.02	0.85676	0.94365	1.30E-01	1.49E-01	1.23E-01	1.26E-01	1.18E-01	3.45E-02	3.80E-02	7.25E-02	3.36E-02	3.71E-02	7.07E-02	3.32E-02	3.66E-02	6.98E-02
5511 491592.62, 3860510.76	0.41263	0.37665	6.27E-02	5.96E-02	5.91E-02	6.05E-02	5.71E-02	1.66E-02	1.52E-02	3.18E-02	1.62E-02	1.48E-02	3.10E-02	1.60E-02	1.46E-02	3.06E-02
5512 491475.41, 3860368.93	0.55963	0.52556	8.50E-02	8.32E-02	8.01E-02	8.21E-02	7.74E-02	2.25E-02	2.12E-02	4.37E-02	2.20E-02	2.06E-02	4.26E-02	2.17E-02	2.04E-02	4.20E-02
5513 491445.61, 3860337.28	0.59955	0.57194	9.11E-02	9.06E-02	8.58E-02	8.79E-02	8.29E-02	2.41E-02	2.30E-02	4.71E-02	2.35E-02	2.25E-02	4.60E-02	2.32E-02	2.22E-02	4.54E-02
5514 491399.05, 3860300.37	0.60517	0.58912	9.20E-02	9.33E-02	8.66E-02	8.87E-02	8.37E-02	2.44E-02	2.37E-02	4.81E-02	2.38E-02	2.31E-02	4.69E-02	2.34E-02	2.28E-02	4.63E-02
5515 491228.84, 3860235.98	0.38061	0.38162	5.78E-02	6.04E-02	5.45E-02	5.58E-02	5.26E-02	1.53E-02	1.54E-02	3.07E-02	1.49E-02	1.50E-02	2.99E-02	1.47E-02	1.48E-02	2.95E-02
5516 491228.47, 3860174.57	0.59202	0.61584	9.00E-02	9.75E-02	8.48E-02	8.68E-02	8.19E-02	2.38E-02	2.48E-02	4.86E-02	2.32E-02	2.42E-02	4.74E-02	2.29E-02	2.39E-02	4.68E-02
5517 491145.77, 3860112.55	0.56808	0.59511	8.63E-02	9.42E-02	8.13E-02	8.33E-02	7.86E-02	2.29E-02	2.39E-02	4.68E-02	2.23E-02	2.34E-02	4.57E-02	2.20E-02	2.31E-02	4.51E-02
5518 490844.41, 3859966.22	0.57438	0.53887	8.73E-02	8.53E-02	8.22E-02	8.42E-02	7.94E-02	2.31E-02	2.17E-02	4.48E-02	2.26E-02	2.12E-02	4.37E-02	2.23E-02	2.09E-02	4.31E-02
5519 490845.55, 3859928.15	1.03196	0.92766	1.57E-01	1.47E-01	1.48E-01	1.51E-01	1.43E-01	4.15E-02	3.73E-02	7.89E-02	4.05E-02	3.64E-02	7.70E-02	4.00E-02	3.59E-02	7.59E-02
5520 490046.91, 3859625.6	0.7622	0.78611	1.16E-01	1.24E-01	1.09E-01	1.12E-01	1.05E-01	3.07E-02	3.16E-02	6.23E-02	2.99E-02	3.09E-02	6.08E-02	2.95E-02	3.05E-02	6.00E-02
5521 489970.48, 3859589.4	0.79228	0.7898	1.20E-01	1.25E-01	1.13E-01	1.16E-01	1.10E-01	3.19E-02	3.18E-02	6.37E-02	3.11E-02	3.10E-02	6.21E-02	3.07E-02	3.06E-02	6.13E-02
5522 489865.89, 3859529.06	0.8394	0.81559	1.28E-01	1.29E-01	1.20E-01	1.23E-01	1.16E-01	3.38E-02	3.28E-02	6.66E-02	3.30E-02	3.20E-02	6.50E-02	3.25E-02	3.16E-02	6.41E-02
5523 489826.89, 3859531.74	0.62119	0.61778	9.44E-02	9.78E-02	8.89E-02	9.11E-02	8.59E-02	2.50E-02	2.49E-02	4.99E-02	2.44E-02	2.43E-02	4.87E-02	2.41E-02	2.39E-02	4.80E-02
5524 489410.47, 3859303.06	0.62413	0.58176	9.48E-02	9.21E-02	8.94E-02	9.15E-02	8.63E-02	2.51E-02	2.34E-02	4.85E-02	2.45E-02	2.28E-02	4.74E-02	2.42E-02	2.25E-02	4.67E-02
5525 489407.15, 3859286.09	0.73071	0.68953	1.11E-01	1.09E-01	1.05E-01	1.07E-01	1.01E-01	2.94E-02	2.77E-02	5.72E-02	2.87E-02	2.71E-02	5.58E-02	2.83E-02	2.67E-02	5.50E-02
5526 488806.07, 3858963.62	0.65534	0.40314	9.96E-02	6.38E-02	9.38E-02	9.61E-02	9.06E-02	2.64E-02	1.62E-02	4.26E-02	2.57E-02	1.58E-02	4.16E-02	2.54E-02	1.56E-02	4.10E-02
5527 488817.64, 3859546.3	0.11949	0.1142	1.82E-02	1.81E-02	1.71E-02	1.75E-02	1.65E-02	4.81E-03	4.60E-03	9.40E-03	4.69E-03	4.48E-03	9.18E-03	4.63E-03	4.43E-03	9.06E-03
5528 489187.25, 3859549.52	0.15324	0.15442	2.33E-02	2.44E-02	2.19E-02	2.25E-02	2.12E-02	6.17E-03	6.21E-03	1.24E-02	6.02E-03	6.06E-03	1.21E-02	5.94E-03	5.98E-03	1.19E-02
5529 489187.66, 3859523.74	0.16015	0.16074	2.43E-02	2.55E-02	2.29E-02	2.35E-02	2.21E-02	6.44E-03	6.47E-03	1.29E-02	6.29E-03	6.31E-03	1.26E-02	6.21E-03	6.23E-03	1.24E-02
5530 489232.59, 3859522.85	0.16879	0.16774	2.56E-02	2.66E-02	2.42E-02	2.47E-02	2.33E-02	6.79E-03	6.75E-03	1.35E-02	6.63E-03	6.59E-03	1.32E-02	6.54E-03	6.50E-03	1.30E-02
5531 489224.98, 3859759.91	0.12175	0.11887	1.85E-02	1.88E-02	1.74E-02	1.79E-02	1.68E-02	4.90E-03	4.78E-03	9.68E-03	4.78E-03	4.67E-03	9.45E-03	4.72E-03	4.61E-03	9.32E-03
5532 488401.39, 3859763.34	0.08304	0.07611	1.26E-02	1.21E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	3.06E-03	6.40E-03	3.26E-03	2.99E-03	6.25E-03	3.22E-03	2.95E-03	6.17E-03
5533 488405.51, 3859966.16	0.07165	0.06651	1.09E-02	1.05E-02	1.03E-02	1.05E-02	9.91E-03	2.88E-03	2.68E-03	5.56E-03	2.81E-03	2.61E-03	5.43E-03	2.78E-03	2.58E-03	5.35E-03
5534 489202.85, 3859956.57	0.09904	0.09646	1.50E-02	1.53E-02	1.42E-02	1.45E-02	1.37E-02	3.99E-03	3.88E-03	7.87E-03	3.89E-03	3.79E-03	7.68E-03	3.84E-03	3.74E-03	7.58E-03
5535 489191.9, 3860676.74	0.06013	0.05587	9.14E-03	8.85E-03	8.61E-03	8.82E-03	8.32E-03	2.42E-03	2.25E-03	4.67E-03	2.36E-03	2.19E-03	4.56E-03	2.33E-03	2.16E-03	4.49E-03
5536 488392.82, 3860687.88	0.05042	0.04648	7.66E-03	7.36E-03	7.22E-03	7.39E-03	6.97E-03	2.03E-03	1.87E-03	3.90E-03	1.98E-03	1.83E-03	3.81E-03	1.95E-03	1.80E-03	3.75E-03
5537 488392.82, 3860760.27	0.04956	0.04542	7.53E-03	7.19E-03	7.09E-03	7.27E-03	6.85E-03	1.99E-03	1.83E-03	3.82E-03	1.95E-03	1.78E-03	3.73E-03	1.92E-03	1.76E-03	3.68E-03
5538 487549.05, 3860777.45	0.04315	0.03776	6.56E-03	5.98E-03	6.18E-03	6.33E-03	5.97E-03	1.74E-03	1.52E-03	3.26E-03	1.69E-03	1.48E-03	3.18E-03	1.67E-03	1.46E-03	3.14E-03
5539 487554.62, 3859571.83	0.06974	0.0599	1.06E-02	9.48E-03	9.98E-03	1.02E-02	9.65E-03	2.81E-03	2.41E-03	5.22E-03	2.74E-03	2.35E-03	5.09E-03	2.70E-03	2.32E-03	5.02E-03
5540 485949.46, 3859558.54	0.04901	0.0412	7.45E-03	6.52E-03	7.02E-03	7.19E-03	6.78E-03	1.97E-03	1.66E-03	3.63E-03	1.92E-03	1.62E-03	3.54E-03	1.90E-03	1.60E-03	3.50E-03

5541 485947.55, 3857943.61	0.11724	0.05955	1.78E-02	9.43E-03	1.68E-02	1.72E-02	1.62E-02	4.72E-03	2.40E-03	7.11E-03	4.60E-03	2.34E-03	6.94E-03	4.54E-03	2.31E-03	6.85E-03
5542 484738.38, 3857940.21	0.0638	0.04271	9.69E-03	6.76E-03	9.13E-03	9.35E-03	8.82E-03	2.57E-03	1.72E-03	4.29E-03	2.51E-03	1.68E-03	4.18E-03	2.47E-03	1.65E-03	4.13E-03
5543 484737.06, 3857535.68	0.07926	0.04956	1.20E-02	7.85E-03	1.13E-02	1.16E-02	1.10E-02	3.19E-03	1.99E-03	5.18E-03	3.11E-03	1.95E-03	5.06E-03	3.07E-03	1.92E-03	4.99E-03
5544 483730.2, 3857530.13	0.05567	0.03897	8.46E-03	6.17E-03	7.97E-03	8.16E-03	7.70E-03	2.24E-03	1.57E-03	3.81E-03	2.19E-03	1.53E-03	3.72E-03	2.16E-03	1.51E-03	3.67E-03
5545 483727.27, 3857130.01	0.06644	0.04322	1.01E-02	6.84E-03	9.51E-03	9.74E-03	9.19E-03	2.67E-03	1.74E-03	4.41E-03	2.61E-03	1.70E-03	4.31E-03	2.57E-03	1.67E-03	4.25E-03
5546 483124.42, 3857123.45	0.0531	0.0388	8.07E-03	6.14E-03	7.60E-03	7.79E-03	7.34E-03	2.14E-03	1.56E-03	3.70E-03	2.09E-03	1.52E-03	3.61E-03	2.06E-03	1.50E-03	3.56E-03
5547 483111.13, 3855921.03	0.08814	0.05076	1.34E-02	8.04E-03	1.26E-02	1.29E-02	1.22E-02	3.55E-03	2.04E-03	5.59E-03	3.46E-03	1.99E-03	5.45E-03	3.42E-03	1.97E-03	5.38E-03
5548 482701.73, 3855918.24	0.07362	0.04786	1.12E-02	7.58E-03	1.05E-02	1.08E-02	1.02E-02	2.96E-03	1.93E-03	4.89E-03	2.89E-03	1.88E-03	4.77E-03	2.85E-03	1.85E-03	4.71E-03
5549 482668.02, 3853521.78	0.31791	0.29619	4.83E-02	4.69E-02	4.55E-02	4.66E-02	4.40E-02	1.28E-02	1.19E-02	2.47E-02	1.25E-02	1.16E-02	2.41E-02	1.23E-02	1.15E-02	2.38E-02
5550 482579.91, 3853219.19	0.36374	0.36603	5.53E-02	5.80E-02	5.21E-02	5.33E-02	5.03E-02	1.46E-02	1.47E-02	2.94E-02	1.43E-02	1.44E-02	2.87E-02	1.41E-02	1.42E-02	2.83E-02
5551 482434.06, 3852961.94	0.48975	0.49888	7.44E-02	7.90E-02	7.01E-02	7.18E-02	6.77E-02	1.97E-02	2.01E-02	3.98E-02	1.92E-02	1.96E-02	3.88E-02	1.90E-02	1.93E-02	3.83E-02
5552 482332.11, 3852832.85	0.6048	0.61648	9.19E-02	9.76E-02	8.66E-02	8.87E-02	8.36E-02	2.43E-02	2.48E-02	4.91E-02	2.38E-02	2.42E-02	4.80E-02	2.34E-02	2.39E-02	4.73E-02
5553 481334.99, 3851818.96	0.51181	0.51967	7.78E-02	8.23E-02	7.33E-02	7.50E-02	7.08E-02	2.06E-02	2.09E-02	4.15E-02	2.01E-02	2.04E-02	4.05E-02	1.98E-02	2.01E-02	4.00E-02
5554 481127.62, 3851646.36	0.46127	0.4634	7.01E-02	7.34E-02	6.60E-02	6.76E-02	6.38E-02	1.86E-02	1.86E-02	3.72E-02	1.81E-02	1.82E-02	3.63E-02	1.79E-02	1.80E-02	3.58E-02
5555 481025.04, 3851591.73	0.42911	0.43033	6.52E-02	6.81E-02	6.14E-02	6.29E-02	5.93E-02	1.73E-02	1.73E-02	3.46E-02	1.69E-02	1.69E-02	3.38E-02	1.66E-02	1.67E-02	3.33E-02
5556 480513.6, 3851335.76	0.45091	0.45693	6.85E-02	7.23E-02	6.46E-02	6.61E-02	6.24E-02	1.81E-02	1.84E-02	3.65E-02	1.77E-02	1.79E-02	3.57E-02	1.75E-02	1.77E-02	3.52E-02
5557 480523.56, 3851317.66	0.55538	0.56425	8.44E-02	8.93E-02	7.95E-02	8.14E-02	7.68E-02	2.24E-02	2.27E-02	4.51E-02	2.18E-02	2.22E-02	4.40E-02	2.15E-02	2.19E-02	4.34E-02
5558 476921.56, 3849569.11	0.47836	0.48167	7.27E-02	7.63E-02	6.85E-02	7.01E-02	6.62E-02	1.93E-02	1.94E-02	3.86E-02	1.88E-02	1.89E-02	3.77E-02	1.85E-02	1.87E-02	3.72E-02
5559 476521.19, 3849373.96	0.55262	0.5534	8.40E-02	8.76E-02	7.91E-02	8.10E-02	7.64E-02	2.22E-02	2.23E-02	4.45E-02	2.17E-02	2.17E-02	4.34E-02	2.14E-02	2.14E-02	4.29E-02
5560 476391.45, 3849333.38	0.58105	0.58482	8.83E-02	9.26E-02	8.32E-02	8.52E-02	8.04E-02	2.34E-02	2.35E-02	4.69E-02	2.28E-02	2.30E-02	4.58E-02	2.25E-02	2.27E-02	4.52E-02
5561 476219.41, 3849304.29	0.5345	0.53922	8.12E-02	8.54E-02	7.65E-02	7.84E-02	7.39E-02	2.15E-02	2.17E-02	4.32E-02	2.10E-02	2.12E-02	4.22E-02	2.07E-02	2.09E-02	4.16E-02
5562 475679.11, 3849218.47	0.4536	0.45484	6.89E-02	7.20E-02	6.49E-02	6.65E-02	6.27E-02	1.83E-02	1.83E-02	3.66E-02	1.78E-02	1.79E-02	3.57E-02	1.76E-02	1.76E-02	3.52E-02
5563 475677.71, 3849233.88	0.39791	0.39962	6.05E-02	6.33E-02	5.70E-02	5.83E-02	5.50E-02	1.60E-02	1.61E-02	3.21E-02	1.56E-02	1.57E-02	3.13E-02	1.54E-02	1.55E-02	3.09E-02
5564 475492.74, 3849204.66	0.29978	0.3022	4.56E-02	4.78E-02	4.29E-02	4.40E-02	4.15E-02	1.21E-02	1.22E-02	2.42E-02	1.18E-02	1.19E-02	2.36E-02	1.16E-02	1.17E-02	2.33E-02
5565 475497.64, 3849158.75	0.57328	0.57799	8.71E-02	9.15E-02	8.21E-02	8.41E-02	7.93E-02	2.31E-02	2.33E-02	4.63E-02	2.25E-02	2.27E-02	4.52E-02	2.22E-02	2.24E-02	4.46E-02
5566 475391.35, 3849141.94	0.47544	0.47837	7.22E-02	7.57E-02	6.81E-02	6.97E-02	6.58E-02	1.91E-02	1.93E-02	3.84E-02	1.87E-02	1.88E-02	3.75E-02	1.84E-02	1.85E-02	3.70E-02
5567 475277, 3849095.47	0.45745	0.46019	6.95E-02	7.29E-02	6.55E-02	6.71E-02	6.33E-02	1.84E-02	1.85E-02	3.69E-02	1.80E-02	1.81E-02	3.60E-02	1.77E-02	1.78E-02	3.56E-02
5568 475183.93, 3849025.66	0.54928	0.55477	8.35E-02	8.78E-02	7.86E-02	8.05E-02	7.60E-02	2.21E-02	2.23E-02	4.44E-02	2.16E-02	2.18E-02	4.34E-02	2.13E-02	2.15E-02	4.28E-02
5569 474453.23, 3848378.77	0.70976	0.71416	1.08E-01	1.13E-01	1.02E-01	1.04E-01	9.82E-02	2.86E-02	2.87E-02	5.73E-02	2.79E-02	2.80E-02	5.59E-02	2.75E-02	2.77E-02	5.52E-02
5570 474569.63, 3848399.34	0.8153	0.82194	1.24E-01	1.30E-01	1.17E-01	1.20E-01	1.13E-01	3.28E-02	3.31E-02	6.59E-02	3.20E-02	3.23E-02	6.43E-02	3.16E-02	3.18E-02	6.34E-02
5571 474644.33, 3848464.52	0.82615	0.83268	1.26E-01	1.32E-01	1.18E-01	1.21E-01	1.14E-01	3.32E-02	3.35E-02	6.68E-02	3.24E-02	3.27E-02	6.51E-02	3.20E-02	3.23E-02	6.43E-02
5572 474719.04, 3848529.7	0.84268	0.84884	1.28E-01	1.34E-01	1.21E-01	1.24E-01	1.17E-01	3.39E-02	3.42E-02	6.81E-02	3.31E-02	3.33E-02	6.64E-02	3.27E-02	3.29E-02	6.55E-02
5573 474793.74, 3848594.88	0.85788	0.86393	1.30E-01	1.37E-01	1.23E-01	1.26E-01	1.19E-01	3.45E-02	3.48E-02	6.93E-02	3.37E-02	3.39E-02	6.76E-02	3.32E-02	3.35E-02	6.67E-02
5574 474868.45, 3848660.07	0.86409	0.87004	1.31E-01	1.38E-01	1.24E-01	1.27E-01	1.20E-01	3.48E-02	3.50E-02	6.98E-02	3.39E-02	3.42E-02	6.81E-02	3.35E-02	3.37E-02	6.72E-02
5575 474943.15, 3848725.25	0.8786	0.88435	1.34E-01	1.40E-01	1.26E-01	1.29E-01	1.22E-01	3.54E-02	3.56E-02	7.09E-02	3.45E-02	3.47E-02	6.92E-02	3.40E-02	3.43E-02	6.83E-02
5576 475017.86, 3848790.43	0.90504	0.91083	1.38E-01	1.44E-01	1.30E-01	1.33E-01	1.25E-01	3.64E-02	3.67E-02	7.31E-02	3.55E-02	3.58E-02	7.13E-02	3.51E-02	3.53E-02	7.04E-02
5577 475092.56, 3848855.61	0.92172	0.92737	1.40E-01	1.47E-01	1.32E-01	1.35E-01	1.27E-01	3.71E-02	3.73E-02	7.44E-02	3.62E-02	3.64E-02	7.26E-02	3.57E-02	3.59E-02	7.16E-02
5578 475232.58, 3848959.38	0.7861	0.79087	1.19E-01	1.25E-01	1.13E-01	1.15E-01	1.09E-01	3.16E-02	3.18E-02	6.35E-02	3.09E-02	3.11E-02	6.19E-02	3.05E-02	3.06E-02	6.11E-02
5579 475368.47, 3849029.98	0.8409	0.85269	1.28E-01	1.35E-01	1.20E-01	1.23E-01	1.16E-01	3.38E-02	3.43E-02	6.82E-02	3.30E-02	3.35E-02	6.65E-02	3.26E-02	3.30E-02	6.56E-02
5580 475609.57, 3849096.09	0.76953	0.77666	1.17E-01	1.23E-01	1.10E-01	1.13E-01	1.06E-01	3.10E-02	3.13E-02	6.22E-02	3.02E-02	3.05E-02	6.07E-02	2.98E-02	3.01E-02	5.99E-02
5581 475680.68, 3849116.62	0.87795	0.89061	1.33E-01	1.41E-01	1.26E-01	1.29E-01	1.21E-01	3.53E-02	3.58E-02	7.12E-02	3.45E-02	3.50E-02	6.95E-02	3.40E-02	3.45E-02	6.85E-02
5582 475843.76, 3849151.52	1.07572	1.08928	1.63E-01	1.72E-01	1.54E-01	1.58E-01	1.49E-01	4.33E-02	4.38E-02	8.71E-02	4.22E-02	4.28E-02	8.50E-02	4.17E-02	4.22E-02	8.39E-02
5583 475935.73, 3849165.89	0.99798	1.00815	1.52E-01	1.60E-01	1.43E-01	1.46E-01	1.38E-01	4.02E-02	4.06E-02	8.07E-02	3.92E-02	3.96E-02	7.88E-02	3.87E-02	3.91E-02	7.77E-02
5584 476027.7, 3849180.26	0.99275	1.00067	1.51E-01	1.58E-01	1.42E-01	1.46E-01	1.37E-01	4.00E-02	4.03E-02	8.02E-02	3.90E-02	3.93E-02	7.83E-02	3.85E-02	3.88E-02	7.72E-02
5585 476119.68, 3849194.64	1.06856	1.07406	1.62E-01	1.70E-01	1.53E-01	1.57E-01	1.48E-01	4.30E-02	4.32E-02	8.62E-02	4.20E-02	4.22E-02	8.41E-02	4.14E-02	4.16E-02	8.30E-02
5586 476211.65, 3849209.01	1.06909	1.07311	1.62E-01	1.70E-01	1.53E-01	1.57E-01	1.48E-01	4.30E-02	4.32E-02	8.62E-02	4.20E-02	4.21E-02	8.41E-02	4.14E-02	4.16E-02	8.30E-02
5587 476497.8, 3849283.9	1.33502	1.36818	2.03E-01	2.17E-01	1.91E-01	1.96E-01	1.85E-01	5.37E-02	5.51E-02	1.09E-01	5.24E-02	5.37E-02	1.06E-01	5.17E-02	5.30E-02	1.05E-01
5588 476603.73, 3849323.77	1.37416	1.40401	2.09E-01	2.22E-01	1.97E-01	2.01E-01	1.90E-01	5.53E-02	5.65E-02	1.12E-01	5.40E-02	5.51E-02	1.09E-01	5.32E-02	5.44E-02	1.08E-01
5589 476728.99, 3849382.76	1.2177	1.23394	1.85E-01	1.95E-01	1.74E-01	1.79E-01	1.68E-01	4.90E-02	4.97E-02	9.87E-02	4.78E-02	4.85E-02	9.63E-02	4.72E-02	4.78E-02	9.50E-02
5590 476801.27, 3849418.65	1.17524	1.19036	1.79E-01	1.88E-01	1.68E-01	1.72E-01	1.63E-01	4.73E-02	4.79E-02	9.52E-02	4.62E-02	4.67E-02	9.29E-02	4.55E-02	4.61E-02	9.17E-02
5591 476956.2, 3849495.05	1.13502	1.14292	1.72E-01	1.81E-01	1.62E-01	1.66E-01	1.57E-01	4.57E-02	4.60E-02	9.17E-02	4.46E-02	4.49E-02	8.95E-02	4.40E-02	4.43E-02	8.83E-02
5592 477038.84, 3849535.56	1.1514	1.15487	1.75E-01	1.83E-01	1.65E-01	1.69E-01	1.59E-01	4.63E-02	4.65E-02	9.28E-02	4.52E-02	4.54E-02	9.06E-02	4.46E-02	4.47E-02	8.94E-02
5593 477121.48, 3849576.08	1.14595	1.14623	1.74E-01	1.81E-01	1.64E-01	1.68E-01	1.58E-01	4.61E-02	4.61E-02	9.22E-02	4.50E-02	4.50E-02	9.00E-02	4.44E-02	4.44E-02	8.88E-02
5594 477204.13, 3849616.6	1.15973	1.15824	1.76E-01	1.83E-01	1.66E-01	1.70E-01	1.60E-01	4.67E-02	4.66E-02	9.33E-02	4.55E-02	4.55E-02	9.10E-02	4.49E-02	4.49E-02	8.98E-02
5595 477286.78, 3849657.12	1.10565	1.10206	1.68E-01	1.74E-01	1.58E-01	1.62E-01	1.53E-01	4.45E-02	4.44E-02	8.88E-02	4.34E-02	4.33E-02	8.67E-02	4.28E-02	4.27E-02	8.55E-02
5596 477369.42, 3849697.63	1.15535	1.15305	1.76E-01	1.83E-01	1.65E-01	1.69E-01	1.60E-01	4.65E-02	4.64E-02	9.29E-02	4.54E-02	4.53E-02	9.07E-02	4.48E-02	4.47E-02	8.94E-02
5597 477452.07, 3849738.15	1.16275	1.15409	1.77E-01	1.83E-01	1.66E-01	1.70E-01	1.61E-01	4.68E-02	4.64E-02	9.32E-02	4.57E-02	4.53E-02	9.10E-02	4.51E-02	4.47E-02	8.98E-02
5598 477534.71, 3849778.67	1.18053	1.1719	1.79E-01	1.86E-01	1.69E-01	1.73E-01	1.63E-01	4.75E-02	4.72E-02	9.47E-02	4.64E-02	4.60E-02	9.24E-02	4.57E-02	4.54E-02	9.12E-02
5599 477617.35, 3849819.18	1.18556	1.17316	1.80E-01	1.86E-01	1.70E-01	1.74E-01	1.64E-01	4.77E-02	4.72E-02	9.49E-02	4.66E-02	4.61E-02	9.26E-02	4.59E-02	4.55E-02	9.14E-02
5600 477824.74, 3849896.37	0.81046	0.8045	1.23E-01	1.27E-01	1.16E-01	1.19E-01	1.12E-01	3.26E-02	3.24E-02	6.50E-02	3.18E-02	3.16E-02	6.34E-02	3.14E-02	3.12E-02	6.26E-02
5601 477906.31, 3849936.37	0.83068	0.82051	1.26E-01	1.30E-01	1.19E-01	1.22E-01	1.15E-01	3.34E-02	3.30E-02	6.64E-02	3.26E-02	3.22E-02	6.48E-02	3.22E-02	3.18E-02	6.40E-02
5602 477987.89, 3849976.36	0.83187	0.82213	1.26E-01	1.30E-01	1.19E-01	1.22E-01	1.15E-01	3.35E-02	3.31E-02	6.66E-02	3.27E-02	3.23E-02	6.50E-02	3.22E-02	3.19E-02	6.41E-02
5603 478069.47, 3850016.36	0.83844	0.82609	1.27E-01	1.31E-01	1.20E-01	1.23E-01	1.16E-01	3.37E-02	3.32E-02	6.70E-02	3.29E-02	3.24E-02	6.54E-02	3.25E-02	3.20E-02	6.45E-02
5604 478151.04, 3850056.35	0.83546	0.82541	1.27E-01	1.31E-01	1.20E-01	1.23E-01	1.16E-01	3.36E-02	3.32E-02	6.68E-02	3.28E-02	3.24E-02	6.52E-02	3.24E-02	3.20E-02	6.44E-02
5605 478232.62, 3850096.35	0.84579	0.83398	1.29E-01	1.32E-01	1.21E-01	1.24E-01	1.17E-01	3.40E-02	3.36E-02	6.76E-02	3.32E-02	3.28E-02	6.60E-02	3.28E-02	3.23E-02	6.51E-02
5606 478314.2, 3850136.34	0.84648	0.83442	1.29E-01	1.32E-01	1.21E-01	1.24E-01	1.17E-01	3.41E-02	3.36E-02	6.76E-02	3.32E-02	3.28E-02	6.60E-02	3.28E-02	3.23E-02	6.51E-02

5607 478395.77, 3850176.34	0.84591	0.83361	1.29E-01	1.32E-01	1.21E-01	1.24E-01	1.17E-01	3.40E-02	3.35E-02	6.76E-02	3.32E-02	3.27E-02	6.60E-02	3.28E-02	3.23E-02	6.51E-02
5608 478575.43, 3850244.45	0.6841	0.67885	1.04E-01	1.07E-01	9.79E-02	1.00E-01	9.46E-02	2.75E-02	2.73E-02	5.48E-02	2.69E-02	2.67E-02	5.35E-02	2.65E-02	2.63E-02	5.28E-02
5609 478665.06, 3850287.29	0.67857	0.67338	1.03E-01	1.07E-01	9.71E-02	9.95E-02	9.39E-02	2.73E-02	2.71E-02	5.44E-02	2.66E-02	2.64E-02	5.31E-02	2.63E-02	2.61E-02	5.24E-02
5610 478754.69, 3850330.14	0.67018	0.66649	1.02E-01	1.06E-01	9.59E-02	9.83E-02	9.27E-02	2.70E-02	2.68E-02	5.38E-02	2.63E-02	2.62E-02	5.25E-02	2.60E-02	2.58E-02	5.18E-02
5611 478844.32, 3850372.99	0.65349	0.6518	9.93E-02	1.03E-01	9.36E-02	9.58E-02	9.04E-02	2.63E-02	2.62E-02	5.25E-02	2.57E-02	2.56E-02	5.13E-02	2.53E-02	2.53E-02	5.06E-02
5612 478933.95, 3850415.84	0.63664	0.63213	9.67E-02	1.00E-01	9.11E-02	9.33E-02	8.81E-02	2.56E-02	2.54E-02	5.11E-02	2.50E-02	2.48E-02	4.98E-02	2.47E-02	2.45E-02	4.92E-02
5613 479023.58, 3850458.68	0.65631	0.65022	9.97E-02	1.03E-01	9.40E-02	9.62E-02	9.08E-02	2.64E-02	2.62E-02	5.26E-02	2.58E-02	2.55E-02	5.13E-02	2.54E-02	2.52E-02	5.06E-02
5614 479110.66, 3850441.9	0.4369	0.43263	6.64E-02	6.85E-02	6.25E-02	6.41E-02	6.04E-02	1.76E-02	1.74E-02	3.50E-02	1.72E-02	1.70E-02	3.41E-02	1.69E-02	1.68E-02	3.37E-02
5615 479191.22, 3850423.99	0.34231	0.34346	5.20E-02	5.44E-02	4.90E-02	5.02E-02	4.73E-02	1.38E-02	1.38E-02	2.76E-02	1.34E-02	1.35E-02	2.69E-02	1.33E-02	1.33E-02	2.66E-02
5616 479274.32, 3850465.71	0.34956	0.34891	5.31E-02	5.52E-02	5.00E-02	5.13E-02	4.83E-02	1.41E-02	1.40E-02	2.81E-02	1.37E-02	1.37E-02	2.74E-02	1.35E-02	1.35E-02	2.71E-02
5617 479357.43, 3850507.42	0.35792	0.35518	5.44E-02	5.62E-02	5.12E-02	5.25E-02	4.95E-02	1.44E-02	1.43E-02	2.87E-02	1.41E-02	1.39E-02	2.80E-02	1.39E-02	1.38E-02	2.76E-02
5618 479440.53, 3850549.14	0.3571	0.35532	5.43E-02	5.63E-02	5.11E-02	5.24E-02	4.94E-02	1.44E-02	1.43E-02	2.87E-02	1.40E-02	1.40E-02	2.80E-02	1.38E-02	1.38E-02	2.76E-02
5619 479523.64, 3850590.85	0.35645	0.35516	5.42E-02	5.62E-02	5.10E-02	5.23E-02	4.93E-02	1.43E-02	1.43E-02	2.86E-02	1.40E-02	1.39E-02	2.79E-02	1.38E-02	1.38E-02	2.76E-02
5620 479606.74, 3850632.57	0.35882	0.35607	5.45E-02	5.64E-02	5.14E-02	5.26E-02	4.96E-02	1.44E-02	1.43E-02	2.88E-02	1.41E-02	1.40E-02	2.81E-02	1.39E-02	1.38E-02	2.77E-02
5621 479777.37, 3850707.61	0.34639	0.33825	5.26E-02	5.36E-02	4.96E-02	5.08E-02	4.79E-02	1.39E-02	1.36E-02	2.76E-02	1.36E-02	1.33E-02	2.69E-02	1.34E-02	1.31E-02	2.65E-02
5622 479864.9, 3850740.95	0.33499	0.33022	5.09E-02	5.23E-02	4.80E-02	4.91E-02	4.63E-02	1.35E-02	1.33E-02	2.68E-02	1.32E-02	1.30E-02	2.61E-02	1.30E-02	1.28E-02	2.58E-02
5623 479931.87, 3850829.56	0.4162	0.41538	6.32E-02	6.58E-02	5.96E-02	6.10E-02	5.76E-02	1.67E-02	1.67E-02	3.35E-02	1.63E-02	1.63E-02	3.27E-02	1.61E-02	1.61E-02	3.22E-02
5624 479995.55, 3850926.75	0.62396	0.61909	9.48E-02	9.80E-02	8.93E-02	9.15E-02	8.63E-02	2.51E-02	2.49E-02	5.00E-02	2.45E-02	2.43E-02	4.88E-02	2.42E-02	2.40E-02	4.82E-02
5625 480079.78, 3850968.64	0.62456	0.61248	9.49E-02	9.70E-02	8.94E-02	9.16E-02	8.64E-02	2.51E-02	2.46E-02	4.98E-02	2.45E-02	2.41E-02	4.86E-02	2.42E-02	2.37E-02	4.79E-02
5626 480164.01, 3851010.54	0.62312	0.61401	9.47E-02	9.72E-02	8.92E-02	9.14E-02	8.62E-02	2.51E-02	2.47E-02	4.98E-02	2.45E-02	2.41E-02	4.86E-02	2.41E-02	2.38E-02	4.79E-02
5627 480248.23, 3851052.43	0.61463	0.60911	9.34E-02	9.64E-02	8.80E-02	9.01E-02	8.50E-02	2.47E-02	2.45E-02	4.92E-02	2.41E-02	2.39E-02	4.81E-02	2.38E-02	2.36E-02	4.74E-02
5628 480332.46, 3851094.33	0.62004	0.61719	9.42E-02	9.77E-02	8.88E-02	9.09E-02	8.58E-02	2.50E-02	2.48E-02	4.98E-02	2.43E-02	2.42E-02	4.86E-02	2.40E-02	2.39E-02	4.79E-02
5629 480416.69, 3851136.22	0.6382	0.63646	9.70E-02	1.01E-01	9.14E-02	9.36E-02	8.83E-02	2.57E-02	2.56E-02	5.13E-02	2.51E-02	2.50E-02	5.01E-02	2.47E-02	2.47E-02	4.94E-02
5630 480579.95, 3851215.17	0.63684	0.64407	9.68E-02	1.02E-01	9.12E-02	9.34E-02	8.81E-02	2.56E-02	2.59E-02	5.15E-02	2.50E-02	2.53E-02	5.03E-02	2.47E-02	2.50E-02	4.96E-02
5631 480658.98, 3851252.22	0.62622	0.63587	9.52E-02	1.01E-01	8.96E-02	9.18E-02	8.66E-02	2.52E-02	2.56E-02	5.08E-02	2.46E-02	2.50E-02	4.96E-02	2.43E-02	2.46E-02	4.89E-02
5632 480817.36, 3851327.85	0.61476	0.62545	9.34E-02	9.90E-02	8.80E-02	9.01E-02	8.50E-02	2.47E-02	2.52E-02	4.99E-02	2.41E-02	2.46E-02	4.87E-02	2.38E-02	2.42E-02	4.81E-02
5633 480896.71, 3851366.42	0.61164	0.62333	9.29E-02	9.87E-02	8.76E-02	8.97E-02	8.46E-02	2.46E-02	2.51E-02	4.97E-02	2.40E-02	2.45E-02	4.85E-02	2.37E-02	2.42E-02	4.79E-02
5634 480976.07, 3851405	0.61126	0.62365	9.29E-02	9.87E-02	8.75E-02	8.96E-02	8.45E-02	2.46E-02	2.51E-02	4.97E-02	2.40E-02	2.45E-02	4.85E-02	2.37E-02	2.42E-02	4.79E-02
5635 481178, 3851487.31	0.51206	0.52271	7.78E-02	8.28E-02	7.33E-02	7.51E-02	7.08E-02	2.06E-02	2.10E-02	4.16E-02	2.01E-02	2.05E-02	4.06E-02	1.98E-02	2.03E-02	4.01E-02
5636 481244.9, 3851557.17	0.60427	0.60699	9.18E-02	9.61E-02	8.65E-02	8.86E-02	8.36E-02	2.43E-02	2.44E-02	4.87E-02	2.37E-02	2.38E-02	4.76E-02	2.34E-02	2.35E-02	4.69E-02
5637 481311.81, 3851627.03	0.64797	0.64323	9.85E-02	1.02E-01	9.28E-02	9.50E-02	8.96E-02	2.61E-02	2.59E-02	5.20E-02	2.54E-02	2.53E-02	5.07E-02	2.51E-02	2.49E-02	5.00E-02
5638 481378.71, 3851696.89	0.62192	0.62123	9.45E-02	9.84E-02	8.90E-02	9.12E-02	8.60E-02	2.50E-02	2.50E-02	5.00E-02	2.44E-02	2.44E-02	4.88E-02	2.41E-02	2.41E-02	4.82E-02
5639 481445.61, 3851766.76	0.58464	0.58642	8.88E-02	9.28E-02	8.37E-02	8.57E-02	8.09E-02	2.35E-02	2.36E-02	4.71E-02	2.30E-02	2.30E-02	4.60E-02	2.27E-02	2.27E-02	4.54E-02
5640 481512.51, 3851836.62	0.57509	0.57722	8.74E-02	9.14E-02	8.23E-02	8.43E-02	7.95E-02	2.31E-02	2.32E-02	4.64E-02	2.26E-02	2.27E-02	4.53E-02	2.23E-02	2.24E-02	4.47E-02
5641 481579.42, 3851906.48	0.57769	0.57951	8.78E-02	9.18E-02	8.27E-02	8.47E-02	7.99E-02	2.32E-02	2.33E-02	4.66E-02	2.27E-02	2.28E-02	4.54E-02	2.24E-02	2.25E-02	4.48E-02
5642 481646.32, 3851976.34	0.58106	0.58268	8.83E-02	9.23E-02	8.32E-02	8.52E-02	8.04E-02	2.34E-02	2.34E-02	4.68E-02	2.28E-02	2.29E-02	4.57E-02	2.25E-02	2.26E-02	4.51E-02
5643 481713.22, 3852046.2	0.57691	0.57763	8.77E-02	9.15E-02	8.26E-02	8.46E-02	7.98E-02	2.32E-02	2.32E-02	4.65E-02	2.27E-02	2.27E-02	4.53E-02	2.24E-02	2.24E-02	4.47E-02
5644 481780.12, 3852116.06	0.58013	0.58155	8.82E-02	9.21E-02	8.31E-02	8.51E-02	8.02E-02	2.33E-02	2.34E-02	4.67E-02	2.28E-02	2.28E-02	4.56E-02	2.25E-02	2.25E-02	4.50E-02
5645 481847.03, 3852185.92	0.58449	0.58601	8.88E-02	9.28E-02	8.37E-02	8.57E-02	8.08E-02	2.35E-02	2.36E-02	4.71E-02	2.30E-02	2.30E-02	4.60E-02	2.26E-02	2.27E-02	4.54E-02
5646 481913.93, 3852255.78	0.58527	0.58753	8.89E-02	9.30E-02	8.38E-02	8.58E-02	8.09E-02	2.36E-02	2.36E-02	4.72E-02	2.30E-02	2.31E-02	4.61E-02	2.27E-02	2.28E-02	4.54E-02
5647 481980.83, 3852325.65	0.58712	0.58894	8.92E-02	9.32E-02	8.41E-02	8.61E-02	8.12E-02	2.36E-02	2.37E-02	4.73E-02	2.31E-02	2.31E-02	4.62E-02	2.28E-02	2.28E-02	4.56E-02
5648 482047.73, 3852395.51	0.58476	0.58928	8.89E-02	9.33E-02	8.37E-02	8.57E-02	8.09E-02	2.35E-02	2.37E-02	4.72E-02	2.30E-02	2.31E-02	4.61E-02	2.27E-02	2.28E-02	4.55E-02
5649 482114.64, 3852465.37	0.57793	0.58397	8.78E-02	9.25E-02	8.27E-02	8.47E-02	7.99E-02	2.33E-02	2.35E-02	4.68E-02	2.27E-02	2.29E-02	4.56E-02	2.24E-02	2.26E-02	4.50E-02
5650 482181.54, 3852535.23	0.58506	0.58681	8.89E-02	9.29E-02	8.38E-02	8.58E-02	8.09E-02	2.35E-02	2.36E-02	4.72E-02	2.30E-02	2.30E-02	4.60E-02	2.27E-02	2.27E-02	4.54E-02
5651 482338.69, 3852700.04	0.59378	0.59572	9.02E-02	9.43E-02	8.50E-02	8.71E-02	8.21E-02	2.39E-02	2.40E-02	4.79E-02	2.33E-02	2.34E-02	4.67E-02	2.30E-02	2.31E-02	4.61E-02
5652 482404.05, 3852767.78	0.58694	0.58951	8.92E-02	9.33E-02	8.40E-02	8.61E-02	8.12E-02	2.36E-02	2.37E-02	4.73E-02	2.30E-02	2.31E-02	4.62E-02	2.27E-02	2.28E-02	4.56E-02
5653 482469.4, 3852835.52	0.59062	0.59218	8.97E-02	9.38E-02	8.46E-02	8.66E-02	8.17E-02	2.38E-02	2.38E-02	4.76E-02	2.32E-02	2.33E-02	4.64E-02	2.29E-02	2.29E-02	4.58E-02
5654 482534.75, 3852903.25	0.59202	0.59187	9.00E-02	9.37E-02	8.48E-02	8.68E-02	8.19E-02	2.38E-02	2.38E-02	4.76E-02	2.32E-02	2.32E-02	4.65E-02	2.29E-02	2.29E-02	4.59E-02
5655 482600.11, 3852970.99	0.58108	0.58486	8.83E-02	9.26E-02	8.32E-02	8.52E-02	8.04E-02	2.34E-02	2.35E-02	4.69E-02	2.28E-02	2.30E-02	4.58E-02	2.25E-02	2.27E-02	4.52E-02
5656 482706.71, 3853119.28	0.51266	0.51969	7.79E-02	8.23E-02	7.34E-02	7.52E-02	7.09E-02	2.06E-02	2.09E-02	4.15E-02	2.01E-02	2.04E-02	4.05E-02	1.99E-02	2.01E-02	4.00E-02
5657 482747.96, 3853199.84	0.50426	0.50382	7.66E-02	7.98E-02	7.22E-02	7.39E-02	6.97E-02	2.03E-02	2.03E-02	4.06E-02	1.98E-02	1.98E-02	3.96E-02	1.95E-02	1.95E-02	3.91E-02
5658 482789.21, 3853280.4	0.47461	0.47751	7.21E-02	7.56E-02	6.79E-02	6.96E-02	6.56E-02	1.91E-02	1.92E-02	3.83E-02	1.86E-02	1.88E-02	3.74E-02	1.84E-02	1.85E-02	3.69E-02
5659 482830.46, 3853360.96	0.43438	0.45185	6.60E-02	7.15E-02	6.22E-02	6.37E-02	6.01E-02	1.75E-02	1.82E-02	3.57E-02	1.71E-02	1.77E-02	3.48E-02	1.68E-02	1.75E-02	3.43E-02
5660 482871.71, 3853441.52	0.38252	0.41787	5.81E-02	6.62E-02	5.48E-02	5.61E-02	5.29E-02	1.54E-02	1.68E-02	3.22E-02	1.50E-02	1.64E-02	3.14E-02	1.48E-02	1.62E-02	3.10E-02
5661 482912.95, 3853522.07	0.35515	0.40235	5.40E-02	6.37E-02	5.08E-02	5.21E-02	4.91E-02	1.43E-02	1.62E-02	3.05E-02	1.39E-02	1.58E-02	2.97E-02	1.38E-02	1.56E-02	2.94E-02
5662 482954.2, 3853602.63	0.3195	0.39121	4.85E-02	6.19E-02	4.57E-02	4.68E-02	4.42E-02	1.29E-02	1.57E-02	2.86E-02	1.25E-02	1.54E-02	2.79E-02	1.24E-02	1.52E-02	2.75E-02
5663 482995.45, 3853683.19	0.28688	0.38091	4.36E-02	6.03E-02	4.11E-02	4.21E-02	3.97E-02	1.15E-02	1.53E-02	2.69E-02	1.13E-02	1.50E-02	2.62E-02	1.11E-02	1.48E-02	2.59E-02
5664 483036.7, 3853763.75	0.26122	0.37049	3.97E-02	5.87E-02	3.74E-02	3.83E-02	3.61E-02	1.05E-02	1.49E-02	2.54E-02	1.03E-02	1.45E-02	2.48E-02	1.01E-02	1.44E-02	2.45E-02
5665 483214.2, 3853909.91	0.16357	0.2431	2.49E-02	3.85E-02	2.34E-02	2.40E-02	2.26E-02	6.58E-03	9.78E-03	1.64E-02	6.42E-03	9.55E-03	1.60E-02	6.34E-03	9.42E-03	1.58E-02
5666 483307.01, 3853910.44	0.14517	0.20841	2.21E-02	3.30E-02	2.08E-02	2.13E-02	2.01E-02	5.84E-03	8.39E-03	1.42E-02	5.70E-03	8.18E-03	1.39E-02	5.63E-03	8.08E-03	1.37E-02
5667 483399.83, 3853910.96	0.13294	0.18953	2.02E-02	3.00E-02	1.90E-02	1.95E-02	1.84E-02	5.35E-03	7.63E-03	1.30E-02	5.22E-03	7.44E-03	1.27E-02	5.15E-03	7.34E-03	1.25E-02
5668 483494.52, 3854009.24	0.12315	0.20766	1.87E-02	3.29E-02	1.76E-02	1.81E-02	1.70E-02	4.96E-03	8.36E-03	1.33E-02	4.84E-03	8.15E-03	1.30E-02	4.77E-03	8.05E-03	1.28E-02
5669 483496.41, 3854106.98	0.12178	0.27543	1.85E-02	4.36E-02	1.74E-02	1.79E-02	1.68E-02	4.90E-03	1.11E-02	1.60E-02	4.78E-03	1.08E-02	1.56E-02	4.72E-03	1.07E-02	1.54E-02
5670 483577.56, 3854261.96	0.10316	0.40715	1.57E-02	6.45E-02	1.48E-02	1.51E-02	1.43E-02	4.15E-03	1.64E-02	2.05E-02	4.05E-03	1.60E-02	2.00E-02	4.00E-03	1.58E-02	1.98E-02
5671 483656.83, 3854319.19	0.08719	0.4255	1.32E-02	6.74E-02	1.25E-02	1.28E-02	1.21E-02	3.51E-03	1.71E-02	2.06E-02	3.42E-03	1.67E-02	2.01E-02	3.38E-03	1.65E-02	1.99E-02
5672 483736.1, 3854376.41	0.07666	0.43145	1.16E-02	6.83E-02	1.10E-02	1.12E-02	1.06E-02	3.09E-03	1.74E-02	2.04E-02	3.01E-03	1.69E-02	2.00E-02	2.97E-03	1.67E-02	1.97E-02

5673 483815.36, 3854433.64	0.06659	0.44848	1.01E-02	7.10E-02	9.53E-03	9.76E-03	9.21E-03	2.68E-03	1.80E-02	2.07E-02	2.61E-03	1.76E-02	2.02E-02	2.58E-03	1.74E-02	2.00E-02
5674 483894.63, 3854490.87	0.05713	0.47151	8.68E-03	7.47E-02	8.18E-03	8.38E-03	7.90E-03	2.30E-03	1.90E-02	2.13E-02	2.24E-03	1.85E-02	2.08E-02	2.21E-03	1.83E-02	2.05E-02
5675 483973.9, 3854548.09	0.05152	0.49734	7.83E-03	7.87E-02	7.38E-03	7.55E-03	7.13E-03	2.07E-03	2.00E-02	2.21E-02	2.02E-03	1.95E-02	2.16E-02	2.00E-03	1.93E-02	2.13E-02
5676 484053.17, 3854605.32	0.04886	0.54785	7.42E-03	8.67E-02	6.99E-03	7.16E-03	6.76E-03	1.97E-03	2.20E-02	2.40E-02	1.92E-03	2.15E-02	2.34E-02	1.89E-03	2.12E-02	2.31E-02
5677 484214.97, 3854698.15	0.04613	0.5915	7.01E-03	9.37E-02	6.60E-03	6.76E-03	6.38E-03	1.86E-03	2.38E-02	2.57E-02	1.81E-03	2.32E-02	2.50E-02	1.79E-03	2.29E-02	2.47E-02
5678 484297.5, 3854733.74	0.04643	0.60801	7.06E-03	9.63E-02	6.65E-03	6.81E-03	6.42E-03	1.87E-03	2.45E-02	2.63E-02	1.82E-03	2.39E-02	2.57E-02	1.80E-03	2.36E-02	2.54E-02
5679 484380.03, 3854769.34	0.04608	0.60716	7.00E-03	9.61E-02	6.60E-03	6.76E-03	6.37E-03	1.85E-03	2.44E-02	2.63E-02	1.81E-03	2.38E-02	2.57E-02	1.79E-03	2.35E-02	2.53E-02
5680 484462.56, 3854804.94	0.04671	0.61068	7.10E-03	9.67E-02	6.69E-03	6.85E-03	6.46E-03	1.88E-03	2.46E-02	2.65E-02	1.83E-03	2.40E-02	2.58E-02	1.81E-03	2.37E-02	2.55E-02
5681 484545.09, 3854840.53	0.04603	0.59522	6.99E-03	9.42E-02	6.59E-03	6.75E-03	6.37E-03	1.85E-03	2.40E-02	2.58E-02	1.81E-03	2.34E-02	2.52E-02	1.78E-03	2.31E-02	2.48E-02
5682 484691.88, 3854912.58	0.04782	0.61016	7.27E-03	9.66E-02	6.85E-03	7.01E-03	6.61E-03	1.92E-03	2.46E-02	2.65E-02	1.88E-03	2.40E-02	2.58E-02	1.85E-03	2.36E-02	2.55E-02
5683 484830.81, 3855012.51	0.04885	0.52424	7.42E-03	8.30E-02	6.99E-03	7.16E-03	6.76E-03	1.97E-03	2.11E-02	2.31E-02	1.92E-03	2.06E-02	2.25E-02	1.89E-03	2.03E-02	2.22E-02
5684 484905.48, 3855075.97	0.05332	0.46476	8.10E-03	7.36E-02	7.63E-03	7.82E-03	7.37E-03	2.15E-03	1.87E-02	2.08E-02	2.09E-03	1.83E-02	2.03E-02	2.07E-03	1.80E-02	2.01E-02
5685 484980.14, 3855139.44	0.05574	0.44617	8.47E-03	7.06E-02	7.98E-03	8.17E-03	7.71E-03	2.24E-03	1.80E-02	2.02E-02	2.19E-03	1.75E-02	1.97E-02	2.16E-03	1.73E-02	1.94E-02
5686 485054.81, 3855202.91	0.05688	0.42908	8.64E-03	6.79E-02	8.14E-03	8.34E-03	7.87E-03	2.29E-03	1.73E-02	1.96E-02	2.23E-03	1.68E-02	1.91E-02	2.20E-03	1.66E-02	1.88E-02
5687 485129.48, 3855266.37	0.05461	0.40222	8.30E-03	6.37E-02	7.82E-03	8.01E-03	7.55E-03	2.20E-03	1.62E-02	1.84E-02	2.14E-03	1.58E-02	1.79E-02	2.12E-03	1.56E-02	1.77E-02
5688 485204.15, 3855329.84	0.05866	0.40466	8.91E-03	6.41E-02	8.40E-03	8.60E-03	8.11E-03	2.36E-03	1.63E-02	1.86E-02	2.30E-03	1.59E-02	1.82E-02	2.27E-03	1.57E-02	1.80E-02
5689 485278.82, 3855393.31	0.05908	0.39188	8.98E-03	6.20E-02	8.46E-03	8.66E-03	8.17E-03	2.38E-03	1.58E-02	1.81E-02	2.32E-03	1.54E-02	1.77E-02	2.29E-03	1.52E-02	1.75E-02
5690 485353.48, 3855456.77	0.06105	0.38336	9.28E-03	6.07E-02	8.74E-03	8.95E-03	8.44E-03	2.46E-03	1.54E-02	1.79E-02	2.40E-03	1.51E-02	1.75E-02	2.37E-03	1.49E-02	1.72E-02
5691 485428.15, 3855520.24	0.06135	0.37049	9.32E-03	5.87E-02	8.78E-03	9.00E-03	8.49E-03	2.47E-03	1.49E-02	1.74E-02	2.41E-03	1.45E-02	1.70E-02	2.38E-03	1.44E-02	1.67E-02
5692 485502.82, 3855583.71	0.06222	0.36063	9.45E-03	5.71E-02	8.91E-03	9.12E-03	8.61E-03	2.50E-03	1.45E-02	1.70E-02	2.44E-03	1.42E-02	1.66E-02	2.41E-03	1.40E-02	1.64E-02
5693 485577.49, 3855647.17	0.06615	0.35514	1.01E-02	5.62E-02	9.47E-03	9.70E-03	9.15E-03	2.66E-03	1.43E-02	1.70E-02	2.60E-03	1.39E-02	1.65E-02	2.56E-03	1.38E-02	1.63E-02
5694 485652.16, 3855710.64	0.0692	0.35097	1.05E-02	5.56E-02	9.91E-03	1.01E-02	9.57E-03	2.78E-03	1.41E-02	1.69E-02	2.72E-03	1.38E-02	1.65E-02	2.68E-03	1.36E-02	1.63E-02
5695 485726.83, 3855774.1	0.06921	0.34175	1.05E-02	5.41E-02	9.91E-03	1.01E-02	9.57E-03	2.79E-03	1.38E-02	1.65E-02	2.72E-03	1.34E-02	1.61E-02	2.68E-03	1.32E-02	1.59E-02
5696 485801.49, 3855837.57	0.06766	0.33139	1.03E-02	5.25E-02	9.69E-03	9.92E-03	9.36E-03	2.72E-03	1.33E-02	1.61E-02	2.66E-03	1.30E-02	1.57E-02	2.62E-03	1.28E-02	1.55E-02
5697 485876.16, 3855901.04	0.06734	0.32451	1.02E-02	5.14E-02	9.64E-03	9.87E-03	9.31E-03	2.71E-03	1.31E-02	1.58E-02	2.64E-03	1.27E-02	1.54E-02	2.61E-03	1.26E-02	1.52E-02
5698 485950.83, 3855964.5	0.06591	0.31713	1.00E-02	5.02E-02	9.44E-03	9.66E-03	9.12E-03	2.65E-03	1.28E-02	1.54E-02	2.59E-03	1.25E-02	1.50E-02	2.55E-03	1.23E-02	1.48E-02
5699 486025.5, 3856027.97	0.06406	0.30527	9.73E-03	4.83E-02	9.17E-03	9.39E-03	8.86E-03	2.58E-03	1.23E-02	1.49E-02	2.52E-03	1.20E-02	1.45E-02	2.48E-03	1.18E-02	1.43E-02
5700 486100.17, 3856091.44	0.06753	0.31219	1.03E-02	4.94E-02	9.67E-03	9.90E-03	9.34E-03	2.72E-03	1.26E-02	1.53E-02	2.65E-03	1.23E-02	1.49E-02	2.62E-03	1.21E-02	1.47E-02
5701 486174.83, 3856154.9	0.06519	0.29317	9.91E-03	4.64E-02	9.33E-03	9.56E-03	9.02E-03	2.62E-03	1.18E-02	1.44E-02	2.56E-03	1.15E-02	1.41E-02	2.53E-03	1.14E-02	1.39E-02
5702 486249.5, 3856218.37	0.06023	0.26765	9.15E-03	4.24E-02	8.62E-03	8.83E-03	8.33E-03	2.42E-03	1.08E-02	1.32E-02	2.37E-03	1.05E-02	1.29E-02	2.33E-03	1.04E-02	1.27E-02
5703 486324.17, 3856281.84	0.05605	0.26079	8.52E-03	4.13E-02	8.02E-03	8.22E-03	7.75E-03	2.26E-03	1.05E-02	1.28E-02	2.20E-03	1.02E-02	1.24E-02	2.17E-03	1.01E-02	1.23E-02
5704 486398.84, 3856345.3	0.05693	0.27002	8.65E-03	4.28E-02	8.15E-03	8.35E-03	7.87E-03	2.29E-03	1.09E-02	1.32E-02	2.24E-03	1.06E-02	1.28E-02	2.21E-03	1.05E-02	1.27E-02
5705 486473.51, 3856408.77	0.05659	0.27272	8.60E-03	4.32E-02	8.10E-03	8.30E-03	7.83E-03	2.28E-03	1.10E-02	1.33E-02	2.22E-03	1.07E-02	1.29E-02	2.19E-03	1.06E-02	1.28E-02
5706 486548.17, 3856472.24	0.05796	0.27396	8.81E-03	4.34E-02	8.30E-03	8.50E-03	8.02E-03	2.33E-03	1.10E-02	1.34E-02	2.28E-03	1.08E-02	1.30E-02	2.25E-03	1.06E-02	1.29E-02
5707 486622.84, 3856535.7	0.0592	0.27485	9.00E-03	4.35E-02	8.48E-03	8.68E-03	8.19E-03	2.38E-03	1.11E-02	1.34E-02	2.32E-03	1.08E-02	1.31E-02	2.29E-03	1.07E-02	1.29E-02
5708 486765.48, 3856659.69	0.06464	0.26229	9.82E-03	4.15E-02	9.25E-03	9.48E-03	8.94E-03	2.60E-03	1.06E-02	1.32E-02	2.54E-03	1.03E-02	1.28E-02	2.50E-03	1.02E-02	1.27E-02
5709 486833.44, 3856720.2	0.06623	0.25945	1.01E-02	4.11E-02	9.48E-03	9.71E-03	9.16E-03	2.67E-03	1.04E-02	1.31E-02	2.60E-03	1.02E-02	1.28E-02	2.57E-03	1.01E-02	1.26E-02
5710 486901.41, 3856780.72	0.06832	0.2536	1.04E-02	4.02E-02	9.78E-03	1.00E-02	9.45E-03	2.75E-03	1.02E-02	1.30E-02	2.68E-03	9.96E-03	1.26E-02	2.65E-03	9.83E-03	1.25E-02
5711 486969.38, 3856841.24	0.0711	0.25128	1.08E-02	3.98E-02	1.02E-02	1.04E-02	9.83E-03	2.86E-03	1.01E-02	1.30E-02	2.79E-03	9.87E-03	1.27E-02	2.76E-03	9.74E-03	1.25E-02
5712 487037.34, 3856901.75	0.07355	0.24999	1.12E-02	3.96E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	1.01E-02	1.30E-02	2.89E-03	9.82E-03	1.27E-02	2.85E-03	9.69E-03	1.25E-02
5713 487271.23, 3856855.51	0.06967	0.1709	1.06E-02	2.71E-02	9.97E-03	1.02E-02	9.64E-03	2.80E-03	6.88E-03	9.68E-03	2.74E-03	6.71E-03	9.45E-03	2.70E-03	6.62E-03	9.32E-03
5714 487368.95, 3856857.29	0.06926	0.15655	1.05E-02	2.48E-02	9.92E-03	1.02E-02	9.58E-03	2.79E-03	6.30E-03	9.09E-03	2.72E-03	6.15E-03	8.87E-03	2.68E-03	6.07E-03	8.75E-03
5715 487466.68, 3856859.06	0.0686	0.14458	1.04E-02	2.29E-02	9.82E-03	1.01E-02	9.49E-03	2.76E-03	5.82E-03	8.58E-03	2.69E-03	5.68E-03	8.37E-03	2.66E-03	5.60E-03	8.26E-03
5716 487636.44, 3856930	0.06958	0.13497	1.06E-02	2.14E-02	9.96E-03	1.02E-02	9.62E-03	2.80E-03	5.43E-03	8.23E-03	2.73E-03	5.30E-03	8.03E-03	2.70E-03	5.23E-03	7.93E-03
5717 487709.57, 3856928.43	0.06915	0.12813	1.05E-02	2.03E-02	9.90E-03	1.01E-02	9.56E-03	2.78E-03	5.16E-03	7.94E-03	2.72E-03	5.03E-03	7.75E-03	2.68E-03	4.96E-03	7.64E-03
5718 487782.55, 3856841.96	0.06612	0.11588	1.00E-02	1.83E-02	9.47E-03	9.70E-03	9.14E-03	2.66E-03	4.66E-03	7.32E-03	2.60E-03	4.55E-03	7.15E-03	2.56E-03	4.49E-03	7.05E-03
5719 487849.83, 3856754.74	0.06291	0.10602	9.56E-03	1.68E-02	9.01E-03	9.22E-03	8.70E-03	2.53E-03	4.27E-03	6.80E-03	2.47E-03	4.16E-03	6.63E-03	2.44E-03	4.11E-03	6.55E-03
5720 487918.03, 3856819.39	0.06516	0.10699	9.90E-03	1.69E-02	9.33E-03	9.55E-03	9.01E-03	2.62E-03	4.31E-03	6.93E-03	2.56E-03	4.20E-03	6.76E-03	2.52E-03	4.15E-03	6.67E-03
5721 487918.8, 3856886.37	0.06729	0.11052	1.02E-02	1.75E-02	9.63E-03	9.87E-03	9.31E-03	2.71E-03	4.45E-03	7.16E-03	2.64E-03	4.34E-03	6.98E-03	2.61E-03	4.28E-03	6.89E-03
5722 488065.46, 3857127.5	0.07302	0.11705	1.11E-02	1.85E-02	1.05E-02	1.07E-02	1.01E-02	2.94E-03	4.71E-03	7.65E-03	2.87E-03	4.60E-03	7.46E-03	2.83E-03	4.54E-03	7.36E-03
5723 488192.19, 3857385.83	0.08447	0.12723	1.28E-02	2.01E-02	1.21E-02	1.24E-02	1.17E-02	3.40E-03	5.12E-03	8.52E-03	3.32E-03	5.00E-03	8.31E-03	3.27E-03	4.93E-03	8.20E-03
5724 488191.21, 3857473.87	0.0894	0.13531	1.36E-02	2.14E-02	1.28E-02	1.31E-02	1.24E-02	3.60E-03	5.45E-03	9.04E-03	3.51E-03	5.31E-03	8.82E-03	3.46E-03	5.24E-03	8.71E-03
5725 488190.24, 3857561.9	0.09597	0.14514	1.46E-02	2.30E-02	1.37E-02	1.41E-02	1.33E-02	3.86E-03	5.84E-03	9.70E-03	3.77E-03	5.70E-03	9.47E-03	3.72E-03	5.62E-03	9.34E-03
5726 488158.35, 3857691.13	0.10763	0.16856	1.64E-02	2.67E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	6.78E-03	1.11E-02	4.23E-03	6.62E-03	1.08E-02	4.17E-03	6.53E-03	1.07E-02
5727 488208.37, 3857816.66	0.11888	0.18607	1.81E-02	2.95E-02	1.70E-02	1.74E-02	1.64E-02	4.78E-03	7.49E-03	1.23E-02	4.67E-03	7.31E-03	1.20E-02	4.61E-03	7.21E-03	1.18E-02
5728 488271.97, 3857874.6	0.12139	0.18612	1.84E-02	2.95E-02	1.74E-02	1.78E-02	1.68E-02	4.89E-03	7.49E-03	1.24E-02	4.77E-03	7.31E-03	1.21E-02	4.70E-03	7.21E-03	1.19E-02
5729 488463.56, 3857942.31	0.12339	0.16656	1.87E-02	2.64E-02	1.77E-02	1.81E-02	1.71E-02	4.97E-03	6.70E-03	1.17E-02	4.85E-03	6.54E-03	1.14E-02	4.78E-03	6.45E-03	1.12E-02
5730 488554.83, 3857940.83	0.12051	0.15403	1.83E-02	2.44E-02	1.73E-02	1.77E-02	1.67E-02	4.85E-03	6.20E-03	1.10E-02	4.73E-03	6.05E-03	1.08E-02	4.67E-03	5.97E-03	1.06E-02
5731 488646.1, 3857939.36	0.11755	0.14393	1.79E-02	2.28E-02	1.68E-02	1.72E-02	1.63E-02	4.73E-03	5.79E-03	1.05E-02	4.62E-03	5.65E-03	1.03E-02	4.55E-03	5.58E-03	1.01E-02
5732 488737.37, 3857937.88	0.11429	0.13519	1.74E-02	2.14E-02	1.64E-02	1.68E-02	1.58E-02	4.60E-03	5.44E-03	1.00E-02	4.49E-03	5.31E-03	9.80E-03	4.43E-03	5.24E-03	9.67E-03
5733 488733.59, 3857960.57	0.11599	0.13787	1.76E-02	2.18E-02	1.66E-02	1.70E-02	1.60E-02	4.67E-03	5.55E-03	1.02E-02	4.55E-03	5.41E-03	9.97E-03	4.49E-03	5.34E-03	9.84E-03
5734 488638.09, 3857961.57	0.11943	0.14767	1.81E-02	2.34E-02	1.71E-02	1.75E-02	1.65E-02	4.81E-03	5.94E-03	1.07E-02	4.69E-03	5.80E-03	1.05E-02	4.63E-03	5.72E-03	1.03E-02
5735 488542.6, 3857962.56	0.12307	0.15901	1.87E-02	2.52E-02	1.76E-02	1.80E-02	1.70E-02	4.95E-03	6.40E-03	1.14E-02	4.83E-03	6.24E-03	1.11E-02	4.77E-03	6.16E-03	1.09E-02
5736 488447.1, 3857963.56	0.126	0.1723	1.91E-02	2.73E-02	1.80E-02	1.85E-02	1.74E-02	5.07E-03	6.93E-03	1.20E-02	4.95E-03	6.77E-03	1.17E-02	4.88E-03	6.68E-03	1.16E-02
5737 488254.28, 3857890.36	0.12384	0.19458	1.88E-02	3.08E-02	1.77E-02	1.82E-02	1.71E-02	4.98E-03	7.83E-03	1.28E-02	4.86E-03	7.64E-03	1.25E-02	4.80E-03	7.54E-03	1.23E-02
5738 488191.69, 3857833.06	0.12083	0.19442	1.84E-02	3.08E-02	1.73E-02	1.77E-02	1.67E-02	4.86E-03	7.82E-03	1.27E-02	4.74E-03	7.63E-03	1.24E-02	4.68E-03	7.53E-03	1.22E-02

5739 488129.5, 3857907.43	0.13143	0.23784	2.00E-02	3.77E-02	1.88E-02	1.93E-02	1.82E-02	5.29E-03	9.57E-03	1.49E-02	5.16E-03	9.34E-03	1.45E-02	5.09E-03	9.22E-03	1.43E-02
5740 488196.47, 3857968.73	0.13636	0.2373	2.07E-02	3.76E-02	1.95E-02	2.00E-02	1.89E-02	5.49E-03	9.55E-03	1.50E-02	5.35E-03	9.32E-03	1.47E-02	5.28E-03	9.20E-03	1.45E-02
5741 488263.44, 3858030.04	0.1411	0.23442	2.14E-02	3.71E-02	2.02E-02	2.07E-02	1.95E-02	5.68E-03	9.43E-03	1.51E-02	5.54E-03	9.21E-03	1.47E-02	5.47E-03	9.08E-03	1.46E-02
5742 488400.64, 3858132.9	0.14987	0.22498	2.28E-02	3.56E-02	2.15E-02	2.20E-02	2.07E-02	6.03E-03	9.05E-03	1.51E-02	5.89E-03	8.83E-03	1.47E-02	5.81E-03	8.72E-03	1.45E-02
5743 488519.89, 3858218.38	0.16654	0.22525	2.53E-02	3.57E-02	2.38E-02	2.44E-02	2.30E-02	6.70E-03	9.06E-03	1.58E-02	6.54E-03	8.85E-03	1.54E-02	6.45E-03	8.73E-03	1.52E-02
5744 488647.97, 3858214.99	0.15435	0.19039	2.35E-02	3.01E-02	2.21E-02	2.26E-02	2.13E-02	6.21E-03	7.66E-03	1.39E-02	6.06E-03	7.48E-03	1.35E-02	5.98E-03	7.38E-03	1.34E-02
5745 488727.05, 3858167.67	0.13988	0.16767	2.13E-02	2.65E-02	2.00E-02	2.05E-02	1.93E-02	5.63E-03	6.75E-03	1.24E-02	5.49E-03	6.58E-03	1.21E-02	5.42E-03	6.50E-03	1.19E-02
5746 488806.12, 3858120.35	0.12785	0.15029	1.94E-02	2.38E-02	1.83E-02	1.87E-02	1.77E-02	5.15E-03	6.05E-03	1.12E-02	5.02E-03	5.90E-03	1.09E-02	4.95E-03	5.82E-03	1.08E-02
5747 488885.2, 3858073.03	0.119	0.13429	1.81E-02	2.13E-02	1.70E-02	1.74E-02	1.65E-02	4.79E-03	5.40E-03	1.02E-02	4.67E-03	5.27E-03	9.95E-03	4.61E-03	5.20E-03	9.81E-03
5748 489055.76, 3857991.17	0.10496	0.1142	1.59E-02	1.81E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	4.60E-03	8.82E-03	4.12E-03	4.48E-03	8.61E-03	4.07E-03	4.43E-03	8.49E-03
5749 489245.39, 3857944.54	0.09445	0.10133	1.44E-02	1.60E-02	1.35E-02	1.38E-02	1.31E-02	3.80E-03	4.08E-03	7.88E-03	3.71E-03	3.98E-03	7.69E-03	3.66E-03	3.93E-03	7.59E-03
5750 489430.63, 3857930.91	0.08881	0.09351	1.35E-02	1.48E-02	1.27E-02	1.30E-02	1.23E-02	3.57E-03	3.76E-03	7.34E-03	3.49E-03	3.67E-03	7.16E-03	3.44E-03	3.62E-03	7.06E-03
5751 489517.74, 3857929.36	0.0871	0.09025	1.32E-02	1.43E-02	1.25E-02	1.28E-02	1.20E-02	3.51E-03	3.63E-03	7.14E-03	3.42E-03	3.54E-03	6.96E-03	3.37E-03	3.50E-03	6.87E-03
5752 489604.85, 3857927.82	0.0843	0.08698	1.28E-02	1.38E-02	1.21E-02	1.24E-02	1.17E-02	3.39E-03	3.50E-03	6.89E-03	3.31E-03	3.42E-03	6.73E-03	3.27E-03	3.37E-03	6.64E-03
5753 489691.97, 3857926.28	0.08152	0.08395	1.24E-02	1.33E-02	1.17E-02	1.20E-02	1.13E-02	3.28E-03	3.38E-03	6.66E-03	3.20E-03	3.30E-03	6.50E-03	3.16E-03	3.25E-03	6.41E-03
5754 489779.08, 3857924.73	0.0794	0.08125	1.21E-02	1.29E-02	1.14E-02	1.16E-02	1.10E-02	3.20E-03	3.27E-03	6.47E-03	3.12E-03	3.19E-03	6.31E-03	3.08E-03	3.15E-03	6.22E-03
5755 490017.55, 3857875.08	0.07213	0.07291	1.10E-02	1.15E-02	1.03E-02	1.06E-02	9.98E-03	2.90E-03	2.93E-03	5.84E-03	2.83E-03	2.86E-03	5.70E-03	2.79E-03	2.83E-03	5.62E-03
5756 490033.82, 3857960.81	0.07565	0.07559	1.15E-02	1.20E-02	1.08E-02	1.11E-02	1.05E-02	3.04E-03	3.04E-03	6.09E-03	2.97E-03	2.97E-03	5.94E-03	2.93E-03	2.93E-03	5.86E-03
5757 489959.15, 3857987.49	0.07916	0.07891	1.20E-02	1.25E-02	1.13E-02	1.16E-02	1.09E-02	3.19E-03	3.18E-03	6.36E-03	3.11E-03	3.10E-03	6.21E-03	3.07E-03	3.06E-03	6.12E-03
5758 489791.49, 3858016.12	0.0822	0.08312	1.25E-02	1.32E-02	1.18E-02	1.21E-02	1.14E-02	3.31E-03	3.35E-03	6.65E-03	3.23E-03	3.26E-03	6.49E-03	3.19E-03	3.22E-03	6.41E-03
5759 489698.51, 3858018.07	0.08503	0.0868	1.29E-02	1.37E-02	1.22E-02	1.25E-02	1.18E-02	3.42E-03	3.49E-03	6.91E-03	3.34E-03	3.41E-03	6.75E-03	3.29E-03	3.36E-03	6.66E-03
5760 489605.52, 3858020.01	0.08808	0.09018	1.34E-02	1.43E-02	1.26E-02	1.29E-02	1.22E-02	3.54E-03	3.63E-03	7.17E-03	3.46E-03	3.54E-03	7.00E-03	3.41E-03	3.49E-03	6.91E-03
5761 489512.53, 3858021.96	0.09069	0.09392	1.38E-02	1.49E-02	1.30E-02	1.33E-02	1.25E-02	3.65E-03	3.78E-03	7.43E-03	3.56E-03	3.69E-03	7.25E-03	3.51E-03	3.64E-03	7.15E-03
5762 489419.55, 3858023.91	0.09372	0.09822	1.42E-02	1.56E-02	1.34E-02	1.37E-02	1.30E-02	3.77E-03	3.95E-03	7.72E-03	3.68E-03	3.86E-03	7.54E-03	3.63E-03	3.81E-03	7.44E-03
5763 489228.47, 3858041.29	0.09887	0.10764	1.50E-02	1.70E-02	1.42E-02	1.45E-02	1.37E-02	3.98E-03	4.33E-03	8.31E-03	3.88E-03	4.23E-03	8.11E-03	3.83E-03	4.17E-03	8.00E-03
5764 489065.75, 3858085.78	0.11061	0.1215	1.68E-02	1.92E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	4.89E-03	9.34E-03	4.34E-03	4.77E-03	9.11E-03	4.29E-03	4.71E-03	8.99E-03
5765 489001.12, 3858114.86	0.11617	0.12847	1.77E-02	2.03E-02	1.66E-02	1.70E-02	1.61E-02	4.68E-03	5.17E-03	9.85E-03	4.56E-03	5.04E-03	9.61E-03	4.50E-03	4.98E-03	9.48E-03
5766 488861.89, 3858189.81	0.1318	0.15098	2.00E-02	2.39E-02	1.89E-02	1.93E-02	1.82E-02	5.30E-03	6.08E-03	1.14E-02	5.18E-03	5.93E-03	1.11E-02	5.11E-03	5.85E-03	1.10E-02
5767 488787.29, 3858235.69	0.14591	0.16966	2.22E-02	2.69E-02	2.09E-02	2.14E-02	2.02E-02	5.87E-03	6.83E-03	1.27E-02	5.73E-03	6.66E-03	1.24E-02	5.65E-03	6.57E-03	1.22E-02
5768 488712.68, 3858281.57	0.15887	0.19086	2.41E-02	3.02E-02	2.27E-02	2.33E-02	2.20E-02	6.39E-03	7.68E-03	1.41E-02	6.24E-03	7.50E-03	1.37E-02	6.16E-03	7.40E-03	1.36E-02
5769 488654.39, 3858436.17	0.21234	0.26833	3.23E-02	4.25E-02	3.04E-02	3.11E-02	2.94E-02	8.55E-03	1.08E-02	1.93E-02	8.34E-03	1.05E-02	1.89E-02	8.23E-03	1.04E-02	1.86E-02
5770 488726.3, 3858505.26	0.22415	0.27081	3.41E-02	4.29E-02	3.21E-02	3.29E-02	3.10E-02	9.02E-03	1.09E-02	1.99E-02	8.80E-03	1.06E-02	1.94E-02	8.69E-03	1.05E-02	1.92E-02
5771 488880.6, 3858599.28	0.22741	0.24821	3.46E-02	3.93E-02	3.26E-02	3.33E-02	3.15E-02	9.15E-03	9.99E-03	1.91E-02	8.93E-03	9.75E-03	1.87E-02	8.81E-03	9.62E-03	1.84E-02
5772 489008.06, 3858714.75	0.24796	0.25647	3.77E-02	4.06E-02	3.55E-02	3.64E-02	3.43E-02	9.98E-03	1.03E-02	2.03E-02	9.74E-03	1.01E-02	1.98E-02	9.61E-03	9.94E-03	1.95E-02
5773 489071.48, 3858772.72	0.26193	0.27	3.98E-02	4.27E-02	3.75E-02	3.84E-02	3.62E-02	1.05E-02	1.09E-02	2.14E-02	1.03E-02	1.06E-02	2.09E-02	1.01E-02	1.05E-02	2.06E-02
5774 489244.59, 3858920.19	0.29971	0.297	4.55E-02	4.70E-02	4.29E-02	4.39E-02	4.15E-02	1.21E-02	1.20E-02	2.40E-02	1.18E-02	1.17E-02	2.34E-02	1.16E-02	1.15E-02	2.31E-02
5775 489239.69, 3858952.23	0.33324	0.33378	5.06E-02	5.28E-02	4.77E-02	4.89E-02	4.61E-02	1.34E-02	1.34E-02	2.68E-02	1.31E-02	1.31E-02	2.62E-02	1.29E-02	1.29E-02	2.58E-02
5776 489121.67, 3858854.49	0.30175	0.31107	4.59E-02	4.93E-02	4.32E-02	4.42E-02	4.17E-02	1.21E-02	1.25E-02	2.47E-02	1.18E-02	1.22E-02	2.41E-02	1.17E-02	1.21E-02	2.37E-02
5777 489059.59, 3858797.27	0.28501	0.29383	4.33E-02	4.65E-02	4.08E-02	4.18E-02	3.94E-02	1.15E-02	1.18E-02	2.33E-02	1.12E-02	1.15E-02	2.27E-02	1.10E-02	1.14E-02	2.24E-02
5778 488997.52, 3858740.04	0.26675	0.27894	4.05E-02	4.42E-02	3.82E-02	3.91E-02	3.69E-02	1.07E-02	1.12E-02	2.20E-02	1.05E-02	1.10E-02	2.14E-02	1.03E-02	1.08E-02	2.11E-02
5779 488935.44, 3858682.82	0.25268	0.26844	3.84E-02	4.25E-02	3.62E-02	3.70E-02	3.49E-02	1.02E-02	1.08E-02	2.10E-02	9.92E-03	1.05E-02	2.05E-02	9.79E-03	1.04E-02	2.02E-02
5780 488869.17, 3858848.43	0.499	0.79951	7.58E-02	1.27E-01	7.14E-02	7.32E-02	6.90E-02	2.01E-02	3.22E-02	5.23E-02	1.96E-02	3.14E-02	5.10E-02	1.93E-02	3.10E-02	5.03E-02
5781 488932.48, 3858892.69	0.5282	0.79758	8.03E-02	1.26E-01	7.56E-02	7.74E-02	7.31E-02	2.13E-02	3.21E-02	5.34E-02	2.07E-02	3.13E-02	5.21E-02	2.05E-02	3.09E-02	5.14E-02
5782 489063.27, 3858977.17	0.57723	0.72575	8.77E-02	1.15E-01	8.26E-02	8.46E-02	7.98E-02	2.32E-02	2.92E-02	5.24E-02	2.27E-02	2.85E-02	5.12E-02	2.24E-02	2.81E-02	5.05E-02
5783 489248.2, 3859117.15	0.82301	0.92806	1.25E-01	1.47E-01	1.18E-01	1.21E-01	1.14E-01	3.31E-02	3.73E-02	7.05E-02	3.23E-02	3.64E-02	6.88E-02	3.19E-02	3.60E-02	6.79E-02
5784 489296.25, 3859049.22	0.42293	0.42511	6.43E-02	6.73E-02	6.05E-02	6.20E-02	5.85E-02	1.70E-02	1.71E-02	3.41E-02	1.66E-02	1.67E-02	3.33E-02	1.64E-02	1.65E-02	3.29E-02
5785 489353.38, 3858993.96	0.31237	0.30027	4.75E-02	4.75E-02	4.47E-02	4.58E-02	4.32E-02	1.26E-02	1.21E-02	2.47E-02	1.23E-02	1.18E-02	2.41E-02	1.21E-02	1.16E-02	2.37E-02
5786 489537.24, 3859120.22	0.33753	0.32179	5.13E-02	5.09E-02	4.83E-02	4.95E-02	4.67E-02	1.36E-02	1.29E-02	2.65E-02	1.33E-02	1.26E-02	2.59E-02	1.31E-02	1.25E-02	2.55E-02
5787 489726.98, 3859246.04	0.36325	0.35113	5.52E-02	5.56E-02	5.20E-02	5.33E-02	5.02E-02	1.46E-02	1.41E-02	2.87E-02	1.43E-02	1.38E-02	2.81E-02	1.41E-02	1.36E-02	2.77E-02
5788 489911.46, 3859366.33	0.38654	0.38126	5.87E-02	6.04E-02	5.53E-02	5.67E-02	5.35E-02	1.56E-02	1.53E-02	3.09E-02	1.52E-02	1.50E-02	3.02E-02	1.50E-02	1.48E-02	2.98E-02
5789 490035.3, 3859430.26	0.38325	0.37754	5.82E-02	5.98E-02	5.49E-02	5.62E-02	5.30E-02	1.54E-02	1.52E-02	3.06E-02	1.51E-02	1.48E-02	2.99E-02	1.49E-02	1.46E-02	2.95E-02
5790 490101.11, 3859458.61	0.37589	0.37029	5.71E-02	5.86E-02	5.38E-02	5.51E-02	5.20E-02	1.51E-02	1.49E-02	3.00E-02	1.48E-02	1.45E-02	2.93E-02	1.46E-02	1.43E-02	2.89E-02
5791 490312.68, 3859560.3	0.39965	0.39173	6.07E-02	6.20E-02	5.72E-02	5.86E-02	5.53E-02	1.61E-02	1.58E-02	3.18E-02	1.57E-02	1.54E-02	3.11E-02	1.55E-02	1.52E-02	3.07E-02
5792 490401.63, 3859603.12	0.41961	0.41188	6.38E-02	6.52E-02	6.01E-02	6.15E-02	5.80E-02	1.69E-02	1.66E-02	3.35E-02	1.65E-02	1.62E-02	3.27E-02	1.63E-02	1.60E-02	3.22E-02
5793 490490.57, 3859645.94	0.43289	0.43206	6.58E-02	6.84E-02	6.20E-02	6.35E-02	5.99E-02	1.74E-02	1.74E-02	3.48E-02	1.70E-02	1.70E-02	3.40E-02	1.68E-02	1.67E-02	3.35E-02
5794 490579.51, 3859688.76	0.45763	0.46044	6.95E-02	7.29E-02	6.55E-02	6.71E-02	6.33E-02	1.84E-02	1.85E-02	3.69E-02	1.80E-02	1.81E-02	3.61E-02	1.77E-02	1.78E-02	3.56E-02
5795 490668.45, 3859731.58	0.45869	0.46665	6.97E-02	7.39E-02	6.57E-02	6.73E-02	6.34E-02	1.85E-02	1.88E-02	3.72E-02	1.80E-02	1.83E-02	3.63E-02	1.78E-02	1.81E-02	3.59E-02
5796 490757.4, 3859774.4	0.49526	0.50864	7.53E-02	8.05E-02	7.09E-02	7.26E-02	6.85E-02	1.99E-02	2.05E-02	4.04E-02	1.94E-02	2.00E-02	3.94E-02	1.92E-02	1.97E-02	3.89E-02
5797 491003.53, 3859861.82	0.43529	0.45336	6.61E-02	7.18E-02	6.23E-02	6.38E-02	6.02E-02	1.75E-02	1.82E-02	3.58E-02	1.71E-02	1.78E-02	3.49E-02	1.69E-02	1.76E-02	3.44E-02
5798 491081.41, 3859879.05	0.39885	0.4077	6.06E-02	6.46E-02	5.71E-02	5.85E-02	5.52E-02	1.61E-02	1.64E-02	3.25E-02	1.57E-02	1.60E-02	3.17E-02	1.55E-02	1.58E-02	3.13E-02
5799 491229.76, 3859917.82	0.34658	0.34664	5.27E-02	5.49E-02	4.96E-02	5.08E-02	4.79E-02	1.39E-02	1.39E-02	2.79E-02	1.36E-02	1.36E-02	2.72E-02	1.34E-02	1.34E-02	2.69E-02
5800 491300.22, 3859939.35	0.32871	0.33052	4.99E-02	5.23E-02	4.71E-02	4.82E-02	4.55E-02	1.32E-02	1.33E-02	2.65E-02	1.29E-02	1.30E-02	2.59E-02	1.27E-02	1.28E-02	2.55E-02
5801 491350.48, 3860012.03	0.36811	0.35822	5.59E-02	5.67E-02	5.27E-02	5.40E-02	5.09E-02	1.48E-02	1.44E-02	2.92E-02	1.45E-02	1.41E-02	2.85E-02	1.43E-02	1.39E-02	2.81E-02
5802 491406.82, 3860092.56	0.3952	0.39028	6.01E-02	6.18E-02	5.66E-02	5.79E-02	5.47E-02	1.59E-02	1.57E-02	3.16E-02	1.55E-02	1.53E-02	3.08E-02	1.53E-02	1.51E-02	3.04E-02
5803 491483.36, 3860121.96	0.35414	0.35317	5.38E-02	5.59E-02	5.07E-02	5.19E-02	4.90E-02	1.43E-02	1.42E-02	2.85E-02	1.39E-02	1.39E-02	2.78E-02	1.37E-02	1.37E-02	2.74E-02
5804 491559.91, 3860151.35	0.32218	0.32294	4.90E-02	5.11E-02	4.61E-02	4.72E-02	4.46E-02	1.30E-02	1.30E-02	2.60E-02	1.27E-02	1.27E-02	2.53E-02	1.25E-02	1.25E-02	2.50E-02

5805 491711.81, 3860237.76	0.22251	0.22335	3.38E-02	3.54E-02	3.19E-02	3.26E-02	3.08E-02	8.95E-03	8.99E-03	1.79E-02	8.74E-03	8.77E-03	1.75E-02	8.62E-03	8.65E-03	1.73E-02
5806 491755.2, 3860319.07	0.31876	0.32479	4.84E-02	5.14E-02	4.56E-02	4.67E-02	4.41E-02	1.28E-02	1.31E-02	2.59E-02	1.25E-02	1.28E-02	2.53E-02	1.24E-02	1.26E-02	2.49E-02
5807 491704.71, 3860366.54	0.418	0.43081	6.35E-02	6.82E-02	5.98E-02	6.13E-02	5.78E-02	1.68E-02	1.73E-02	3.42E-02	1.64E-02	1.69E-02	3.33E-02	1.62E-02	1.67E-02	3.29E-02
5808 491623.42, 3860462.39	0.75556	0.68646	1.15E-01	1.09E-01	1.08E-01	1.11E-01	1.04E-01	3.04E-02	2.76E-02	5.80E-02	2.97E-02	2.70E-02	5.66E-02	2.93E-02	2.66E-02	5.59E-02
5809 491534.02, 3860439.84	0.35996	0.356	5.47E-02	5.64E-02	5.15E-02	5.28E-02	4.98E-02	1.45E-02	1.43E-02	2.88E-02	1.41E-02	1.40E-02	2.81E-02	1.39E-02	1.38E-02	2.77E-02
5810 491313.95, 3860268.17	0.45767	0.45664	6.95E-02	7.23E-02	6.55E-02	6.71E-02	6.33E-02	1.84E-02	1.84E-02	3.68E-02	1.80E-02	1.79E-02	3.59E-02	1.77E-02	1.77E-02	3.54E-02
5811 491187.12, 3860143.56	0.58224	0.60498	8.85E-02	9.58E-02	8.34E-02	8.54E-02	8.05E-02	2.34E-02	2.43E-02	4.78E-02	2.29E-02	2.38E-02	4.66E-02	2.26E-02	2.34E-02	4.60E-02
5812 491070.43, 3860075.97	0.52997	0.53138	8.05E-02	8.41E-02	7.59E-02	7.77E-02	7.33E-02	2.13E-02	2.14E-02	4.27E-02	2.08E-02	2.09E-02	4.17E-02	2.05E-02	2.06E-02	4.11E-02
5813 490995.09, 3860039.38	0.49598	0.50883	7.54E-02	8.06E-02	7.10E-02	7.27E-02	6.86E-02	2.00E-02	2.05E-02	4.04E-02	1.95E-02	2.00E-02	3.95E-02	1.92E-02	1.97E-02	3.89E-02
5814 490919.75, 3860002.8	0.50396	0.5059	7.66E-02	8.01E-02	7.21E-02	7.39E-02	6.97E-02	2.03E-02	2.04E-02	4.06E-02	1.98E-02	1.99E-02	3.97E-02	1.95E-02	1.96E-02	3.91E-02
5815 490756.81, 3859894.53	0.99223	0.89888	1.51E-01	1.42E-01	1.42E-01	1.45E-01	1.37E-01	3.99E-02	3.62E-02	7.61E-02	3.90E-02	3.53E-02	7.43E-02	3.84E-02	3.48E-02	7.33E-02
5816 490668.07, 3859860.92	0.93012	0.87259	1.41E-01	1.38E-01	1.33E-01	1.36E-01	1.29E-01	3.74E-02	3.51E-02	7.25E-02	3.65E-02	3.43E-02	7.08E-02	3.60E-02	3.38E-02	6.99E-02
5817 490579.34, 3859827.3	0.91914	0.87616	1.40E-01	1.39E-01	1.32E-01	1.35E-01	1.27E-01	3.70E-02	3.53E-02	7.22E-02	3.61E-02	3.44E-02	7.05E-02	3.56E-02	3.39E-02	6.96E-02
5818 490490.6, 3859793.68	0.85941	0.83006	1.31E-01	1.31E-01	1.23E-01	1.26E-01	1.19E-01	3.46E-02	3.34E-02	6.80E-02	3.37E-02	3.26E-02	6.63E-02	3.33E-02	3.22E-02	6.55E-02
5819 490401.86, 3859760.07	0.82392	0.80016	1.25E-01	1.27E-01	1.18E-01	1.21E-01	1.14E-01	3.32E-02	3.22E-02	6.54E-02	3.24E-02	3.14E-02	6.38E-02	3.19E-02	3.10E-02	6.29E-02
5820 490313.12, 3859726.45	0.80968	0.7889	1.23E-01	1.25E-01	1.16E-01	1.19E-01	1.12E-01	3.26E-02	3.17E-02	6.43E-02	3.18E-02	3.10E-02	6.28E-02	3.14E-02	3.06E-02	6.19E-02
5821 490224.39, 3859692.83	0.79383	0.78438	1.21E-01	1.24E-01	1.14E-01	1.16E-01	1.10E-01	3.19E-02	3.16E-02	6.35E-02	3.12E-02	3.08E-02	6.20E-02	3.08E-02	3.04E-02	6.12E-02
5822 490135.65, 3859659.22	0.77831	0.79506	1.18E-01	1.26E-01	1.11E-01	1.14E-01	1.08E-01	3.13E-02	3.20E-02	6.33E-02	3.06E-02	3.12E-02	6.18E-02	3.02E-02	3.08E-02	6.10E-02
5823 489918.18, 3859559.23	0.82836	0.81415	1.26E-01	1.29E-01	1.19E-01	1.21E-01	1.15E-01	3.33E-02	3.28E-02	6.61E-02	3.25E-02	3.20E-02	6.45E-02	3.21E-02	3.15E-02	6.36E-02
5824 489743.61, 3859486	0.6232	0.61314	9.47E-02	9.71E-02	8.92E-02	9.14E-02	8.62E-02	2.51E-02	2.47E-02	4.98E-02	2.45E-02	2.41E-02	4.86E-02	2.41E-02	2.38E-02	4.79E-02
5825 489660.32, 3859440.27	0.62231	0.60814	9.46E-02	9.63E-02	8.91E-02	9.12E-02	8.61E-02	2.50E-02	2.45E-02	4.95E-02	2.44E-02	2.39E-02	4.83E-02	2.41E-02	2.36E-02	4.77E-02
5826 489577.04, 3859394.53	0.62765	0.61136	9.54E-02	9.68E-02	8.99E-02	9.20E-02	8.68E-02	2.53E-02	2.46E-02	4.99E-02	2.46E-02	2.40E-02	4.87E-02	2.43E-02	2.37E-02	4.80E-02
5827 489493.75, 3859348.8	0.61786	0.59581	9.39E-02	9.43E-02	8.85E-02	9.06E-02	8.55E-02	2.49E-02	2.40E-02	4.88E-02	2.43E-02	2.34E-02	4.77E-02	2.39E-02	2.31E-02	4.70E-02
5828 489321.28, 3859240.02	0.71981	0.64391	1.09E-01	1.02E-01	1.03E-01	1.06E-01	9.96E-02	2.90E-02	2.59E-02	5.49E-02	2.83E-02	2.53E-02	5.36E-02	2.79E-02	2.50E-02	5.28E-02
5829 489235.41, 3859193.96	0.72645	0.64963	1.10E-01	1.03E-01	1.04E-01	1.07E-01	1.00E-01	2.92E-02	2.61E-02	5.54E-02	2.85E-02	2.55E-02	5.40E-02	2.81E-02	2.52E-02	5.33E-02
5830 489149.54, 3859147.89	0.67514	0.60054	1.03E-01	9.51E-02	9.67E-02	9.90E-02	9.34E-02	2.72E-02	2.42E-02	5.13E-02	2.65E-02	2.36E-02	5.01E-02	2.62E-02	2.33E-02	4.94E-02
5831 489063.68, 3859101.82	0.68536	0.53998	1.04E-01	8.55E-02	9.81E-02	1.00E-01	9.48E-02	2.76E-02	2.17E-02	4.93E-02	2.69E-02	2.12E-02	4.81E-02	2.66E-02	2.09E-02	4.75E-02
5832 488977.81, 3859055.75	0.69267	0.49665	1.05E-01	7.86E-02	9.92E-02	1.02E-01	9.58E-02	2.79E-02	2.00E-02	4.79E-02	2.72E-02	1.95E-02	4.67E-02	2.68E-02	1.92E-02	4.61E-02
5833 488891.94, 3859009.69	0.66136	0.44148	1.00E-01	6.99E-02	9.47E-02	9.70E-02	9.15E-02	2.66E-02	1.78E-02	4.44E-02	2.60E-02	1.73E-02	4.33E-02	2.56E-02	1.71E-02	4.27E-02
5834 488808, 3859060.73	0.33684	0.25879	5.12E-02	4.10E-02	4.82E-02	4.94E-02	4.66E-02	1.36E-02	1.04E-02	2.40E-02	1.32E-02	1.02E-02	2.34E-02	1.31E-02	1.00E-02	2.31E-02
5835 488809.93, 3859157.85	0.23245	0.2025	3.53E-02	3.21E-02	3.33E-02	3.41E-02	3.21E-02	9.35E-03	8.15E-03	1.75E-02	9.13E-03	7.95E-03	1.71E-02	9.01E-03	7.85E-03	1.69E-02
5836 488811.85, 3859254.96	0.17993	0.1697	2.73E-02	2.69E-02	2.58E-02	2.64E-02	2.49E-02	7.24E-03	6.83E-03	1.41E-02	7.07E-03	6.66E-03	1.37E-02	6.97E-03	6.58E-03	1.35E-02
5837 488813.78, 3859352.07	0.15064	0.14643	2.29E-02	2.32E-02	2.16E-02	2.21E-02	2.08E-02	6.06E-03	5.89E-03	1.20E-02	5.92E-03	5.75E-03	1.17E-02	5.84E-03	5.67E-03	1.15E-02
5838 488815.71, 3859449.19	0.13264	0.13055	2.02E-02	2.07E-02	1.90E-02	1.94E-02	1.83E-02	5.34E-03	5.25E-03	1.06E-02	5.21E-03	5.13E-03	1.03E-02	5.14E-03	5.06E-03	1.02E-02
5839 488910.04, 3859547.1	0.12483	0.12354	1.90E-02	1.96E-02	1.79E-02	1.83E-02	1.73E-02	5.02E-03	4.97E-03	1.00E-02	4.90E-03	4.85E-03	9.75E-03	4.84E-03	4.79E-03	9.62E-03
5840 489002.45, 3859547.91	0.13343	0.13202	2.03E-02	2.09E-02	1.91E-02	1.96E-02	1.85E-02	5.37E-03	5.31E-03	1.07E-02	5.24E-03	5.18E-03	1.04E-02	5.17E-03	5.12E-03	1.03E-02
5841 489094.85, 3859548.71	0.14213	0.14224	2.16E-02	2.25E-02	2.03E-02	2.08E-02	1.97E-02	5.72E-03	5.72E-03	1.14E-02	5.58E-03	5.59E-03	1.12E-02	5.51E-03	5.51E-03	1.10E-02
5842 489230.05, 3859601.87	0.1479	0.14883	2.25E-02	2.36E-02	2.12E-02	2.17E-02	2.05E-02	5.95E-03	5.99E-03	1.19E-02	5.81E-03	5.84E-03	1.17E-02	5.73E-03	5.77E-03	1.15E-02
5843 489227.52, 3859680.89	0.1328	0.13328	2.02E-02	2.11E-02	1.90E-02	1.95E-02	1.84E-02	5.34E-03	5.36E-03	1.07E-02	5.22E-03	5.23E-03	1.04E-02	5.15E-03	5.16E-03	1.03E-02
5844 489133.47, 3859760.29	0.11643	0.11234	1.77E-02	1.78E-02	1.67E-02	1.71E-02	1.61E-02	4.69E-03	4.52E-03	9.21E-03	4.57E-03	4.41E-03	8.98E-03	4.51E-03	4.35E-03	8.86E-03
5845 489041.96, 3859760.67	0.1106	0.10693	1.68E-02	1.69E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	4.30E-03	8.75E-03	4.34E-03	4.20E-03	8.54E-03	4.29E-03	4.14E-03	8.43E-03
5846 488950.45, 3859761.05	0.10496	0.10114	1.59E-02	1.60E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	4.07E-03	8.29E-03	4.12E-03	3.97E-03	8.09E-03	4.07E-03	3.92E-03	7.99E-03
5847 488858.94, 3859761.43	0.10071	0.09567	1.53E-02	1.51E-02	1.44E-02	1.48E-02	1.39E-02	4.05E-03	3.85E-03	7.90E-03	3.95E-03	3.76E-03	7.71E-03	3.90E-03	3.71E-03	7.61E-03
5848 488767.43, 3859761.82	0.09727	0.0904	1.48E-02	1.43E-02	1.39E-02	1.43E-02	1.35E-02	3.91E-03	3.64E-03	7.55E-03	3.82E-03	3.55E-03	7.37E-03	3.77E-03	3.50E-03	7.27E-03
5849 488675.92, 3859762.2	0.0936	0.08672	1.42E-02	1.37E-02	1.34E-02	1.37E-02	1.29E-02	3.77E-03	3.49E-03	7.26E-03	3.68E-03	3.41E-03	7.08E-03	3.63E-03	3.36E-03	6.99E-03
5850 488584.41, 3859762.58	0.08817	0.08262	1.34E-02	1.31E-02	1.26E-02	1.29E-02	1.22E-02	3.55E-03	3.32E-03	6.87E-03	3.46E-03	3.24E-03	6.71E-03	3.42E-03	3.20E-03	6.62E-03
5851 488492.9, 3859762.96	0.08551	0.07942	1.30E-02	1.26E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	3.20E-03	6.64E-03	3.36E-03	3.12E-03	6.48E-03	3.31E-03	3.08E-03	6.39E-03
5852 488402.76, 3859830.95	0.07994	0.07399	1.21E-02	1.17E-02	1.14E-02	1.17E-02	1.11E-02	3.22E-03	2.98E-03	6.19E-03	3.14E-03	2.91E-03	6.04E-03	3.10E-03	2.87E-03	5.96E-03
5853 488404.14, 3859898.55	0.07518	0.07081	1.14E-02	1.12E-02	1.08E-02	1.10E-02	1.04E-02	3.03E-03	2.85E-03	5.88E-03	2.95E-03	2.78E-03	5.73E-03	2.91E-03	2.74E-03	5.66E-03
5854 488505.18, 3859964.96	0.07349	0.06922	1.12E-02	1.10E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	2.79E-03	5.74E-03	2.89E-03	2.72E-03	5.60E-03	2.85E-03	2.68E-03	5.53E-03
5855 488604.84, 3859963.76	0.07668	0.0726	1.17E-02	1.15E-02	1.10E-02	1.12E-02	1.06E-02	3.09E-03	2.92E-03	6.01E-03	3.01E-03	2.85E-03	5.86E-03	2.97E-03	2.81E-03	5.78E-03
5856 488704.51, 3859962.56	0.08169	0.07543	1.24E-02	1.19E-02	1.17E-02	1.20E-02	1.13E-02	3.29E-03	3.04E-03	6.32E-03	3.21E-03	2.96E-03	6.17E-03	3.17E-03	2.92E-03	6.09E-03
5857 488804.18, 3859961.37	0.08474	0.07858	1.29E-02	1.24E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.16E-03	6.57E-03	3.33E-03	3.09E-03	6.41E-03	3.28E-03	3.04E-03	6.33E-03
5858 488903.85, 3859960.17	0.08996	0.08217	1.37E-02	1.30E-02	1.29E-02	1.32E-02	1.24E-02	3.62E-03	3.31E-03	6.93E-03	3.53E-03	3.23E-03	6.76E-03	3.49E-03	3.18E-03	6.67E-03
5859 489003.52, 3859958.97	0.09304	0.08604	1.41E-02	1.36E-02	1.33E-02	1.36E-02	1.29E-02	3.74E-03	3.46E-03	7.21E-03	3.65E-03	3.38E-03	7.03E-03	3.61E-03	3.33E-03	6.94E-03
5860 489103.18, 3859957.77	0.09566	0.09064	1.45E-02	1.44E-02	1.37E-02	1.40E-02	1.32E-02	3.85E-03	3.65E-03	7.50E-03	3.76E-03	3.56E-03	7.32E-03	3.71E-03	3.51E-03	7.22E-03
5861 489201.48, 3860046.59	0.09266	0.08722	1.41E-02	1.38E-02	1.33E-02	1.36E-02	1.28E-02	3.73E-03	3.51E-03	7.24E-03	3.64E-03	3.43E-03	7.06E-03	3.59E-03	3.38E-03	6.97E-03
5862 489200.11, 3860136.61	0.08677	0.08048	1.32E-02	1.27E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.24E-03	6.73E-03	3.41E-03	3.16E-03	6.57E-03	3.36E-03	3.12E-03	6.48E-03
5863 489198.74, 3860226.63	0.08037	0.07492	1.22E-02	1.19E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.02E-03	6.25E-03	3.16E-03	2.94E-03	6.10E-03	3.11E-03	2.90E-03	6.02E-03
5864 489197.38, 3860316.66	0.07456	0.06978	1.13E-02	1.10E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	2.81E-03	5.81E-03	2.93E-03	2.74E-03	5.67E-03	2.89E-03	2.70E-03	5.59E-03
5865 489196.01, 3860406.68	0.0696	0.06487	1.06E-02	1.03E-02	9.96E-03	1.02E-02	9.63E-03	2.80E-03	2.61E-03	5.41E-03	2.73E-03	2.55E-03	5.28E-03	2.70E-03	2.51E-03	5.21E-03
5866 489194.64, 3860496.7	0.06551	0.06107	9.95E-03	9.67E-03	9.38E-03	9.61E-03	9.06E-03	2.64E-03	2.46E-03	5.09E-03	2.57E-03	2.40E-03	4.97E-03	2.54E-03	2.37E-03	4.90E-03
5867 489193.27, 3860586.72	0.06233	0.05836	9.47E-03	9.24E-03	8.92E-03	9.14E-03	8.62E-03	2.51E-03	2.35E-03	4.86E-03	2.45E-03	2.29E-03	4.74E-03	2.42E-03	2.26E-03	4.68E-03
5868 489092.02, 3860678.13	0.05757	0.0546	8.75E-03	8.64E-03	8.24E-03	8.44E-03	7.96E-03	2.32E-03	2.20E-03	4.51E-03	2.26E-03	2.14E-03	4.40E-03	2.23E-03	2.12E-03	4.35E-03
5869 488992.13, 3860679.53	0.05503	0.05349	8.36E-03	8.47E-03	7.88E-03	8.07E-03	7.61E-03	2.21E-03	2.15E-03	4.37E-03	2.16E-03	2.10E-03	4.26E-03	2.13E-03	2.07E-03	4.20E-03
5870 488892.24, 3860680.92	0.053	0.0526	8.05E-03	8.33E-03	7.59E-03	7.77E-03	7.33E-03	2.13E-03	2.12E-03	4.25E-03	2.08E-03	2.07E-03	4.15E-03	2.05E-03	2.04E-03	4.09E-03

5871 488792.36, 3860682.31	0.05198	0.05168	7.90E-03	8.18E-03	7.44E-03	7.62E-03	7.19E-03	2.09E-03	2.08E-03	4.17E-03	2.04E-03	2.03E-03	4.07E-03	2.01E-03	2.00E-03	4.02E-03
5872 488692.48, 3860683.7	0.05196	0.05091	7.90E-03	8.06E-03	7.44E-03	7.62E-03	7.19E-03	2.09E-03	2.05E-03	4.14E-03	2.04E-03	2.00E-03	4.04E-03	2.01E-03	1.97E-03	3.99E-03
5873 488592.59, 3860685.09	0.05113	0.04969	7.77E-03	7.87E-03	7.32E-03	7.50E-03	7.07E-03	2.06E-03	2.00E-03	4.06E-03	2.01E-03	1.95E-03	3.96E-03	1.98E-03	1.93E-03	3.91E-03
5874 488492.71, 3860686.49	0.05061	0.04818	7.69E-03	7.63E-03	7.25E-03	7.42E-03	7.00E-03	2.04E-03	1.94E-03	3.98E-03	1.99E-03	1.89E-03	3.88E-03	1.96E-03	1.87E-03	3.83E-03
5875 488299.07, 3860762.18	0.04921	0.04465	7.48E-03	7.07E-03	7.04E-03	7.22E-03	6.81E-03	1.98E-03	1.80E-03	3.78E-03	1.93E-03	1.75E-03	3.69E-03	1.91E-03	1.73E-03	3.64E-03
5876 488205.32, 3860764.09	0.04831	0.04351	7.34E-03	6.89E-03	6.92E-03	7.08E-03	6.68E-03	1.94E-03	1.75E-03	3.70E-03	1.90E-03	1.71E-03	3.61E-03	1.87E-03	1.69E-03	3.56E-03
5877 488111.56, 3860766	0.04792	0.0423	7.28E-03	6.70E-03	6.86E-03	7.03E-03	6.63E-03	1.93E-03	1.70E-03	3.63E-03	1.88E-03	1.66E-03	3.54E-03	1.86E-03	1.64E-03	3.50E-03
5878 488017.81, 3860767.91	0.04639	0.04108	7.05E-03	6.50E-03	6.64E-03	6.80E-03	6.42E-03	1.87E-03	1.65E-03	3.52E-03	1.82E-03	1.61E-03	3.43E-03	1.80E-03	1.59E-03	3.39E-03
5879 487924.06, 3860769.81	0.0451	0.03995	6.85E-03	6.33E-03	6.46E-03	6.61E-03	6.24E-03	1.81E-03	1.61E-03	3.42E-03	1.77E-03	1.57E-03	3.34E-03	1.75E-03	1.55E-03	3.30E-03
5880 487830.31, 3860771.72	0.04421	0.03909	6.72E-03	6.19E-03	6.33E-03	6.48E-03	6.11E-03	1.78E-03	1.57E-03	3.35E-03	1.74E-03	1.54E-03	3.27E-03	1.71E-03	1.51E-03	3.23E-03
5881 487736.55, 3860773.63	0.04384	0.03848	6.66E-03	6.09E-03	6.28E-03	6.43E-03	6.06E-03	1.76E-03	1.55E-03	3.31E-03	1.72E-03	1.51E-03	3.23E-03	1.70E-03	1.49E-03	3.19E-03
5882 487642.8, 3860775.54	0.04371	0.03804	6.64E-03	6.02E-03	6.26E-03	6.41E-03	6.05E-03	1.76E-03	1.53E-03	3.29E-03	1.72E-03	1.49E-03	3.21E-03	1.69E-03	1.47E-03	3.17E-03
5883 487549.48, 3860684.71	0.0444	0.0382	6.75E-03	6.05E-03	6.36E-03	6.51E-03	6.14E-03	1.79E-03	1.54E-03	3.32E-03	1.74E-03	1.50E-03	3.24E-03	1.72E-03	1.48E-03	3.20E-03
5884 487549.91, 3860591.97	0.04508	0.03884	6.85E-03	6.15E-03	6.45E-03	6.61E-03	6.23E-03	1.81E-03	1.56E-03	3.38E-03	1.77E-03	1.53E-03	3.30E-03	1.75E-03	1.50E-03	3.25E-03
5885 487550.34, 3860499.23	0.04633	0.04235	7.04E-03	6.71E-03	6.63E-03	6.79E-03	6.41E-03	1.86E-03	1.70E-03	3.57E-03	1.82E-03	1.66E-03	3.48E-03	1.80E-03	1.64E-03	3.44E-03
5886 487550.76, 3860406.49	0.04835	0.04421	7.35E-03	7.00E-03	6.92E-03	7.09E-03	6.69E-03	1.95E-03	1.78E-03	3.72E-03	1.90E-03	1.74E-03	3.63E-03	1.87E-03	1.71E-03	3.59E-03
5887 487551.19, 3860313.75	0.04981	0.04577	7.57E-03	7.25E-03	7.13E-03	7.30E-03	6.89E-03	2.00E-03	1.84E-03	3.85E-03	1.96E-03	1.80E-03	3.75E-03	1.93E-03	1.77E-03	3.70E-03
5888 487551.62, 3860221.01	0.05179	0.0473	7.87E-03	7.49E-03	7.41E-03	7.59E-03	7.16E-03	2.08E-03	1.90E-03	3.99E-03	2.03E-03	1.86E-03	3.89E-03	2.01E-03	1.83E-03	3.84E-03
5889 487552.05, 3860128.27	0.05485	0.04949	8.33E-03	7.84E-03	7.85E-03	8.04E-03	7.59E-03	2.21E-03	1.99E-03	4.20E-03	2.15E-03	1.94E-03	4.10E-03	2.13E-03	1.92E-03	4.04E-03
5890 487552.48, 3860035.53	0.05764	0.05146	8.76E-03	8.15E-03	8.25E-03	8.45E-03	7.97E-03	2.32E-03	2.07E-03	4.39E-03	2.26E-03	2.02E-03	4.28E-03	2.23E-03	1.99E-03	4.23E-03
5891 487552.91, 3859942.79	0.05972	0.05297	9.07E-03	8.39E-03	8.55E-03	8.76E-03	8.26E-03	2.40E-03	2.13E-03	4.54E-03	2.35E-03	2.08E-03	4.43E-03	2.31E-03	2.05E-03	4.37E-03
5892 487553.33, 3859850.05	0.06201	0.0543	9.42E-03	8.60E-03	8.88E-03	9.09E-03	8.58E-03	2.50E-03	2.19E-03	4.68E-03	2.44E-03	2.13E-03	4.57E-03	2.40E-03	2.10E-03	4.51E-03
5893 487553.76, 3859757.31	0.06381	0.05485	9.70E-03	8.68E-03	9.14E-03	9.36E-03	8.83E-03	2.57E-03	2.21E-03	4.78E-03	2.51E-03	2.15E-03	4.66E-03	2.47E-03	2.13E-03	4.60E-03
5894 487554.19, 3859664.57	0.06549	0.05648	9.95E-03	8.94E-03	9.38E-03	9.60E-03	9.06E-03	2.64E-03	2.27E-03	4.91E-03	2.57E-03	2.22E-03	4.79E-03	2.54E-03	2.19E-03	4.73E-03
5895 487460.2, 3859571.05	0.06776	0.05712	1.03E-02	9.04E-03	9.70E-03	9.94E-03	9.37E-03	2.73E-03	2.30E-03	5.03E-03	2.66E-03	2.24E-03	4.90E-03	2.63E-03	2.21E-03	4.84E-03
5896 487365.78, 3859570.27	0.06518	0.05516	9.90E-03	8.73E-03	9.33E-03	9.56E-03	9.01E-03	2.62E-03	2.22E-03	4.84E-03	2.56E-03	2.17E-03	4.73E-03	2.53E-03	2.14E-03	4.66E-03
5897 487271.36, 3859569.48	0.06392	0.05344	9.71E-03	8.46E-03	9.15E-03	9.37E-03	8.84E-03	2.57E-03	2.15E-03	4.72E-03	2.51E-03	2.10E-03	4.61E-03	2.48E-03	2.07E-03	4.55E-03
5898 487176.94, 3859568.7	0.06308	0.05172	9.59E-03	8.19E-03	9.03E-03	9.25E-03	8.72E-03	2.54E-03	2.08E-03	4.62E-03	2.48E-03	2.03E-03	4.51E-03	2.44E-03	2.00E-03	4.45E-03
5899 487082.51, 3859567.92	0.06038	0.05063	9.17E-03	8.02E-03	8.64E-03	8.85E-03	8.35E-03	2.43E-03	2.04E-03	4.47E-03	2.37E-03	1.99E-03	4.36E-03	2.34E-03	1.96E-03	4.30E-03
5900 486988.09, 3859567.14	0.05949	0.0492	9.04E-03	7.79E-03	8.52E-03	8.72E-03	8.23E-03	2.39E-03	1.98E-03	4.37E-03	2.34E-03	1.93E-03	4.27E-03	2.31E-03	1.91E-03	4.21E-03
5901 486893.67, 3859566.36	0.05856	0.04804	8.90E-03	7.61E-03	8.38E-03	8.59E-03	8.10E-03	2.36E-03	1.93E-03	4.29E-03	2.30E-03	1.89E-03	4.19E-03	2.27E-03	1.86E-03	4.13E-03
5902 486799.25, 3859565.58	0.05752	0.04742	8.74E-03	7.51E-03	8.23E-03	8.43E-03	7.96E-03	2.31E-03	1.91E-03	4.22E-03	2.26E-03	1.86E-03	4.12E-03	2.23E-03	1.84E-03	4.07E-03
5903 486704.83, 3859564.79	0.05573	0.04732	8.47E-03	7.49E-03	7.98E-03	8.17E-03	7.71E-03	2.24E-03	1.90E-03	4.15E-03	2.19E-03	1.86E-03	4.05E-03	2.16E-03	1.83E-03	3.99E-03
5904 486610.41, 3859564.01	0.05431	0.0464	8.25E-03	7.35E-03	7.78E-03	7.96E-03	7.51E-03	2.19E-03	1.87E-03	4.05E-03	2.13E-03	1.82E-03	3.95E-03	2.10E-03	1.80E-03	3.90E-03
5905 486515.99, 3859563.23	0.05244	0.04528	7.97E-03	7.17E-03	7.51E-03	7.69E-03	7.25E-03	2.11E-03	1.82E-03	3.93E-03	2.06E-03	1.78E-03	3.84E-03	2.03E-03	1.75E-03	3.79E-03
5906 486421.57, 3859562.45	0.05162	0.04416	7.84E-03	6.99E-03	7.39E-03	7.57E-03	7.14E-03	2.08E-03	1.78E-03	3.85E-03	2.03E-03	1.73E-03	3.76E-03	2.00E-03	1.71E-03	3.71E-03
5907 486327.14, 3859561.67	0.05123	0.04325	7.78E-03	6.85E-03	7.33E-03	7.51E-03	7.09E-03	2.06E-03	1.74E-03	3.80E-03	2.01E-03	1.70E-03	3.71E-03	1.99E-03	1.68E-03	3.66E-03
5908 486232.72, 3859560.89	0.0503	0.04263	7.64E-03	6.75E-03	7.20E-03	7.38E-03	6.96E-03	2.02E-03	1.72E-03	3.74E-03	1.98E-03	1.67E-03	3.65E-03	1.95E-03	1.65E-03	3.60E-03
5909 486138.3, 3859560.1	0.05009	0.04203	7.61E-03	6.65E-03	7.17E-03	7.34E-03	6.93E-03	2.02E-03	1.69E-03	3.71E-03	1.97E-03	1.65E-03	3.62E-03	1.94E-03	1.63E-03	3.57E-03
5910 486043.88, 3859559.32	0.04969	0.04162	7.55E-03	6.59E-03	7.11E-03	7.29E-03	6.87E-03	2.00E-03	1.67E-03	3.67E-03	1.95E-03	1.63E-03	3.59E-03	1.93E-03	1.61E-03	3.54E-03
5911 485949.35, 3859463.54	0.05014	0.04165	7.62E-03	6.59E-03	7.18E-03	7.35E-03	6.93E-03	2.02E-03	1.68E-03	3.69E-03	1.97E-03	1.64E-03	3.60E-03	1.94E-03	1.61E-03	3.56E-03
5912 485949.24, 3859368.55	0.05144	0.04184	7.82E-03	6.62E-03	7.36E-03	7.54E-03	7.11E-03	2.07E-03	1.68E-03	3.75E-03	2.02E-03	1.64E-03	3.66E-03	1.99E-03	1.62E-03	3.61E-03
5913 485949.12, 3859273.55	0.05278	0.0426	8.02E-03	6.74E-03	7.56E-03	7.74E-03	7.30E-03	2.12E-03	1.71E-03	3.84E-03	2.07E-03	1.67E-03	3.75E-03	2.05E-03	1.65E-03	3.70E-03
5914 485949.01, 3859178.56	0.05403	0.04397	8.21E-03	6.96E-03	7.73E-03	7.92E-03	7.47E-03	2.17E-03	1.77E-03	3.94E-03	2.12E-03	1.73E-03	3.85E-03	2.09E-03	1.70E-03	3.80E-03
5915 485948.9, 3859083.56	0.05609	0.04466	8.52E-03	7.07E-03	8.03E-03	8.22E-03	7.76E-03	2.26E-03	1.80E-03	4.05E-03	2.20E-03	1.75E-03	3.96E-03	2.17E-03	1.73E-03	3.90E-03
5916 485948.79, 3858988.56	0.05915	0.04606	8.99E-03	7.29E-03	8.47E-03	8.67E-03	8.18E-03	2.38E-03	1.85E-03	4.23E-03	2.32E-03	1.81E-03	4.13E-03	2.29E-03	1.78E-03	4.08E-03
5917 485948.67, 3858893.57	0.06296	0.04738	9.57E-03	7.50E-03	9.01E-03	9.23E-03	8.71E-03	2.53E-03	1.91E-03	4.44E-03	2.47E-03	1.86E-03	4.33E-03	2.44E-03	1.84E-03	4.28E-03
5918 485948.56, 3858798.57	0.067	0.04789	1.02E-02	7.58E-03	9.59E-03	9.82E-03	9.27E-03	2.70E-03	1.93E-03	4.62E-03	2.63E-03	1.88E-03	4.51E-03	2.60E-03	1.86E-03	4.45E-03
5919 485948.45, 3858703.58	0.06866	0.0481	1.04E-02	7.62E-03	9.83E-03	1.01E-02	9.50E-03	2.76E-03	1.94E-03	4.70E-03	2.70E-03	1.89E-03	4.59E-03	2.66E-03	1.86E-03	4.52E-03
5920 485948.34, 3858608.58	0.07186	0.04851	1.09E-02	7.68E-03	1.03E-02	1.05E-02	9.94E-03	2.89E-03	1.95E-03	4.84E-03	2.82E-03	1.90E-03	4.73E-03	2.78E-03	1.88E-03	4.66E-03
5921 485948.22, 3858513.59	0.07409	0.04964	1.13E-02	7.86E-03	1.06E-02	1.09E-02	1.02E-02	2.98E-03	2.00E-03	4.98E-03	2.91E-03	1.95E-03	4.86E-03	2.87E-03	1.92E-03	4.79E-03
5922 485948.11, 3858418.59	0.07784	0.05194	1.18E-02	8.22E-03	1.11E-02	1.14E-02	1.08E-02	3.13E-03	2.09E-03	5.22E-03	3.06E-03	2.04E-03	5.10E-03	3.02E-03	2.01E-03	5.03E-03
5923 485948, 3858323.59	0.0849	0.05301	1.29E-02	8.39E-03	1.22E-02	1.24E-02	1.17E-02	3.42E-03	2.13E-03	5.55E-03	3.33E-03	2.08E-03	5.42E-03	3.29E-03	2.05E-03	5.34E-03
5924 485947.89, 3858228.6	0.0932	0.05488	1.42E-02	8.69E-03	1.33E-02	1.37E-02	1.29E-02	3.75E-03	2.21E-03	5.96E-03	3.66E-03	2.16E-03	5.82E-03	3.61E-03	2.13E-03	5.74E-03
5925 485947.77, 3858133.6	0.09936	0.05582	1.51E-02	8.84E-03	1.42E-02	1.46E-02	1.37E-02	4.00E-03	2.25E-03	6.24E-03	3.90E-03	2.19E-03	6.09E-03	3.85E-03	2.16E-03	6.01E-03
5926 485947.66, 3858038.61	0.10713	0.05764	1.63E-02	9.13E-03	1.53E-02	1.57E-02	1.48E-02	4.31E-03	2.32E-03	6.63E-03	4.21E-03	2.26E-03	6.47E-03	4.15E-03	2.23E-03	6.38E-03
5927 485854.54, 3857943.35	0.10943	0.05743	1.66E-02	9.09E-03	1.57E-02	1.60E-02	1.51E-02	4.40E-03	2.31E-03	6.71E-03	4.30E-03	2.26E-03	6.55E-03	4.24E-03	2.23E-03	6.47E-03
5928 485761.52, 3857943.09	0.10364	0.05649	1.57E-02	8.94E-03	1.48E-02	1.52E-02	1.43E-02	4.17E-03	2.27E-03	6.44E-03	4.07E-03	2.22E-03	6.29E-03	4.02E-03	2.19E-03	6.20E-03
5929 485668.51, 3857942.83	0.0972	0.05492	1.48E-02	8.70E-03	1.39E-02	1.43E-02	1.34E-02	3.91E-03	2.21E-03	6.12E-03	3.82E-03	2.16E-03	5.97E-03	3.77E-03	2.13E-03	5.89E-03
5930 485575.5, 3857942.56	0.09174	0.05403	1.39E-02	8.55E-03	1.31E-02	1.35E-02	1.27E-02	3.69E-03	2.17E-03	5.87E-03	3.60E-03	2.12E-03	5.72E-03	3.55E-03	2.09E-03	5.65E-03
5931 485482.48, 3857942.3	0.0877	0.05237	1.33E-02	8.29E-03	1.26E-02	1.29E-02	1.21E-02	3.53E-03	2.11E-03	5.64E-03	3.44E-03	2.06E-03	5.50E-03	3.40E-03	2.03E-03	5.43E-03
5932 485389.47, 3857942.04	0.08419	0.05064	1.28E-02	8.02E-03	1.21E-02	1.23E-02	1.16E-02	3.39E-03	2.04E-03	5.43E-03	3.31E-03	1.99E-03	5.29E-03	3.26E-03	1.96E-03	5.22E-03
5933 485296.46, 3857941.78	0.08192	0.05012	1.24E-02	7.94E-03	1.17E-02	1.20E-02	1.13E-02	3.30E-03	2.02E-03	5.31E-03	3.22E-03	1.97E-03	5.19E-03	3.17E-03	1.94E-03	5.12E-03
5934 485203.45, 3857941.52	0.07987	0.04957	1.21E-02	7.85E-03	1.14E-02	1.17E-02	1.10E-02	3.21E-03	1.99E-03	5.21E-03	3.14E-03	1.95E-03	5.08E-03	3.09E-03	1.92E-03	5.02E-03
5935 485110.43, 3857941.26	0.07643	0.04866	1.16E-02	7.70E-03	1.09E-02	1.12E-02	1.06E-02	3.08E-03	1.96E-03	5.03E-03	3.00E-03	1.91E-03	4.91E-03	2.96E-03	1.89E-03	4.85E-03
5936 485017.42, 3857940.99	0.07339	0.04742	1.12E-02	7.51E-03	1.05E-02	1.08E-02	1.02E-02	2.95E-03	1.91E-03	4.86E-03	2.88E-03	1.86E-03	4.74E-03	2.84E-03	1.84E-03	4.68E-03

5937 484924.41, 3857940.73	0.07052	0.04587	1.07E-02	7.26E-03	1.01E-02	1.03E-02	9.75E-03	2.84E-03	1.85E-03	4.68E-03	2.77E-03	1.80E-03	4.57E-03	2.73E-03	1.78E-03	4.51E-03
5938 484831.39, 3857940.47	0.06759	0.04421	1.03E-02	7.00E-03	9.68E-03	9.91E-03	9.35E-03	2.72E-03	1.78E-03	4.50E-03	2.65E-03	1.74E-03	4.39E-03	2.62E-03	1.71E-03	4.33E-03
5939 484738.12, 3857859.3	0.06671	0.04474	1.01E-02	7.08E-03	9.55E-03	9.78E-03	9.23E-03	2.68E-03	1.80E-03	4.49E-03	2.62E-03	1.76E-03	4.38E-03	2.58E-03	1.73E-03	4.32E-03
5940 484737.85, 3857778.4	0.0702	0.04685	1.07E-02	7.42E-03	1.00E-02	1.03E-02	9.71E-03	2.83E-03	1.89E-03	4.71E-03	2.76E-03	1.84E-03	4.60E-03	2.72E-03	1.82E-03	4.54E-03
5941 484737.59, 3857697.49	0.07267	0.04784	1.10E-02	7.57E-03	1.04E-02	1.07E-02	1.01E-02	2.92E-03	1.93E-03	4.85E-03	2.85E-03	1.88E-03	4.73E-03	2.82E-03	1.85E-03	4.67E-03
5942 484737.32, 3857616.59	0.07594	0.04867	1.15E-02	7.71E-03	1.09E-02	1.11E-02	1.05E-02	3.06E-03	1.96E-03	5.01E-03	2.98E-03	1.91E-03	4.89E-03	2.94E-03	1.89E-03	4.83E-03
5943 484645.53, 3857535.18	0.07678	0.04878	1.17E-02	7.72E-03	1.10E-02	1.13E-02	1.06E-02	3.09E-03	1.96E-03	5.05E-03	3.02E-03	1.92E-03	4.93E-03	2.98E-03	1.89E-03	4.87E-03
5944 484553.99, 3857534.67	0.07264	0.04736	1.10E-02	7.50E-03	1.04E-02	1.07E-02	1.00E-02	2.92E-03	1.91E-03	4.83E-03	2.85E-03	1.86E-03	4.71E-03	2.81E-03	1.84E-03	4.65E-03
5945 484462.46, 3857534.17	0.06932	0.04593	1.05E-02	7.27E-03	9.92E-03	1.02E-02	9.59E-03	2.79E-03	1.85E-03	4.64E-03	2.72E-03	1.80E-03	4.53E-03	2.69E-03	1.78E-03	4.47E-03
5946 484370.93, 3857533.66	0.06673	0.04493	1.01E-02	7.11E-03	9.55E-03	9.78E-03	9.23E-03	2.69E-03	1.81E-03	4.49E-03	2.62E-03	1.76E-03	4.38E-03	2.59E-03	1.74E-03	4.33E-03
5947 484279.4, 3857533.16	0.0619	0.04365	9.41E-03	6.91E-03	8.86E-03	9.08E-03	8.56E-03	2.49E-03	1.76E-03	4.25E-03	2.43E-03	1.71E-03	4.14E-03	2.40E-03	1.69E-03	4.09E-03
5948 484187.86, 3857532.65	0.05903	0.04244	8.97E-03	6.72E-03	8.45E-03	8.66E-03	8.16E-03	2.38E-03	1.71E-03	4.08E-03	2.32E-03	1.67E-03	3.98E-03	2.29E-03	1.64E-03	3.93E-03
5949 484096.33, 3857532.15	0.05881	0.04285	8.94E-03	6.78E-03	8.42E-03	8.62E-03	8.13E-03	2.37E-03	1.72E-03	4.09E-03	2.31E-03	1.68E-03	3.99E-03	2.28E-03	1.66E-03	3.94E-03
5950 484004.8, 3857531.64	0.05951	0.04177	9.04E-03	6.61E-03	8.52E-03	8.73E-03	8.23E-03	2.39E-03	1.68E-03	4.08E-03	2.34E-03	1.64E-03	3.98E-03	2.31E-03	1.62E-03	3.92E-03
5951 483913.27, 3857531.14	0.05884	0.04062	8.94E-03	6.43E-03	8.42E-03	8.63E-03	8.14E-03	2.37E-03	1.63E-03	4.00E-03	2.31E-03	1.60E-03	3.91E-03	2.28E-03	1.57E-03	3.85E-03
5952 483821.73, 3857530.63	0.05752	0.03961	8.74E-03	6.27E-03	8.23E-03	8.43E-03	7.96E-03	2.31E-03	1.59E-03	3.91E-03	2.26E-03	1.56E-03	3.81E-03	2.23E-03	1.53E-03	3.76E-03
5953 483729.61, 3857450.11	0.0577	0.04006	8.77E-03	6.34E-03	8.26E-03	8.46E-03	7.98E-03	2.32E-03	1.61E-03	3.93E-03	2.27E-03	1.57E-03	3.84E-03	2.24E-03	1.55E-03	3.79E-03
5954 483729.03, 3857370.08	0.05952	0.0416	9.04E-03	6.59E-03	8.52E-03	8.73E-03	8.23E-03	2.40E-03	1.67E-03	4.07E-03	2.34E-03	1.63E-03	3.97E-03	2.31E-03	1.61E-03	3.92E-03
5955 483728.44, 3857290.06	0.06221	0.04222	9.45E-03	6.68E-03	8.91E-03	9.12E-03	8.60E-03	2.50E-03	1.70E-03	4.20E-03	2.44E-03	1.66E-03	4.10E-03	2.41E-03	1.64E-03	4.05E-03
5956 483727.86, 3857210.03	0.06499	0.04272	9.88E-03	6.76E-03	9.30E-03	9.53E-03	8.99E-03	2.62E-03	1.72E-03	4.33E-03	2.55E-03	1.68E-03	4.23E-03	2.52E-03	1.66E-03	4.17E-03
5957 483641.15, 3857129.07	0.06484	0.0428	9.85E-03	6.78E-03	9.28E-03	9.51E-03	8.97E-03	2.61E-03	1.72E-03	4.33E-03	2.55E-03	1.68E-03	4.23E-03	2.51E-03	1.66E-03	4.17E-03
5958 483555.03, 3857128.14	0.06353	0.0423	9.65E-03	6.70E-03	9.09E-03	9.32E-03	8.79E-03	2.56E-03	1.70E-03	4.26E-03	2.49E-03	1.66E-03	4.16E-03	2.46E-03	1.64E-03	4.10E-03
5959 483468.91, 3857127.2	0.06164	0.04167	9.37E-03	6.60E-03	8.82E-03	9.04E-03	8.53E-03	2.48E-03	1.68E-03	4.16E-03	2.42E-03	1.64E-03	4.06E-03	2.39E-03	1.61E-03	4.00E-03
5960 483382.78, 3857126.26	0.05889	0.04127	8.95E-03	6.53E-03	8.43E-03	8.63E-03	8.14E-03	2.37E-03	1.66E-03	4.03E-03	2.31E-03	1.62E-03	3.93E-03	2.28E-03	1.60E-03	3.88E-03
5961 483296.66, 3857125.32	0.05492	0.04048	8.35E-03	6.41E-03	7.86E-03	8.05E-03	7.60E-03	2.21E-03	1.63E-03	3.84E-03	2.16E-03	1.59E-03	3.75E-03	2.13E-03	1.57E-03	3.70E-03
5962 483210.54, 3857124.39	0.05406	0.03937	8.21E-03	6.23E-03	7.74E-03	7.93E-03	7.48E-03	2.18E-03	1.58E-03	3.76E-03	2.12E-03	1.55E-03	3.67E-03	2.09E-03	1.53E-03	3.62E-03
5963 483123.4, 3857030.96	0.056	0.03948	8.51E-03	6.25E-03	8.02E-03	8.21E-03	7.75E-03	2.25E-03	1.59E-03	3.84E-03	2.20E-03	1.55E-03	3.75E-03	2.17E-03	1.53E-03	3.70E-03
5964 483122.38, 3856938.46	0.05914	0.04058	8.99E-03	6.43E-03	8.47E-03	8.67E-03	8.18E-03	2.38E-03	1.63E-03	4.01E-03	2.32E-03	1.59E-03	3.92E-03	2.29E-03	1.57E-03	3.86E-03
5965 483121.35, 3856845.97	0.06108	0.04167	9.28E-03	6.60E-03	8.74E-03	8.96E-03	8.45E-03	2.46E-03	1.68E-03	4.13E-03	2.40E-03	1.64E-03	4.03E-03	2.37E-03	1.61E-03	3.98E-03
5966 483120.33, 3856753.47	0.063	0.04245	9.57E-03	6.72E-03	9.02E-03	9.24E-03	8.71E-03	2.54E-03	1.71E-03	4.24E-03	2.47E-03	1.67E-03	4.14E-03	2.44E-03	1.64E-03	4.09E-03
5967 483119.31, 3856660.98	0.06511	0.04297	9.89E-03	6.80E-03	9.32E-03	9.55E-03	9.01E-03	2.62E-03	1.73E-03	4.35E-03	2.56E-03	1.69E-03	4.24E-03	2.52E-03	1.67E-03	4.19E-03
5968 483118.29, 3856568.49	0.06715	0.04365	1.02E-02	6.91E-03	9.61E-03	9.85E-03	9.29E-03	2.70E-03	1.76E-03	4.46E-03	2.64E-03	1.71E-03	4.35E-03	2.60E-03	1.69E-03	4.29E-03
5969 483117.26, 3856475.99	0.06939	0.04459	1.05E-02	7.06E-03	9.93E-03	1.02E-02	9.60E-03	2.79E-03	1.79E-03	4.59E-03	2.72E-03	1.75E-03	4.48E-03	2.69E-03	1.73E-03	4.42E-03
5970 483116.24, 3856383.5	0.07169	0.0456	1.09E-02	7.22E-03	1.03E-02	1.05E-02	9.92E-03	2.89E-03	1.84E-03	4.72E-03	2.82E-03	1.79E-03	4.61E-03	2.78E-03	1.77E-03	4.54E-03
5971 483115.22, 3856291.01	0.07415	0.04629	1.13E-02	7.33E-03	1.06E-02	1.09E-02	1.03E-02	2.98E-03	1.86E-03	4.85E-03	2.91E-03	1.82E-03	4.73E-03	2.87E-03	1.79E-03	4.67E-03
5972 483114.2, 3856198.51	0.07738	0.04752	1.18E-02	7.52E-03	1.11E-02	1.13E-02	1.07E-02	3.11E-03	1.91E-03	5.03E-03	3.04E-03	1.87E-03	4.90E-03	3.00E-03	1.84E-03	4.84E-03
5973 483113.17, 3856106.02	0.08101	0.04869	1.23E-02	7.71E-03	1.16E-02	1.19E-02	1.12E-02	3.26E-03	1.96E-03	5.22E-03	3.18E-03	1.91E-03	5.09E-03	3.14E-03	1.89E-03	5.03E-03
5974 483112.15, 3856013.52	0.08447	0.04954	1.28E-02	7.84E-03	1.21E-02	1.24E-02	1.17E-02	3.40E-03	1.99E-03	5.39E-03	3.32E-03	1.95E-03	5.26E-03	3.27E-03	1.92E-03	5.19E-03
5975 483029.25, 3855920.47	0.08545	0.0505	1.30E-02	8.00E-03	1.22E-02	1.25E-02	1.18E-02	3.44E-03	2.03E-03	5.47E-03	3.36E-03	1.98E-03	5.34E-03	3.31E-03	1.96E-03	5.27E-03
5976 482947.37, 3855919.91	0.08245	0.04981	1.25E-02	7.89E-03	1.18E-02	1.21E-02	1.14E-02	3.32E-03	2.00E-03	5.32E-03	3.24E-03	1.96E-03	5.19E-03	3.19E-03	1.93E-03	5.12E-03
5977 482865.49, 3855919.36	0.07896	0.0491	1.20E-02	7.77E-03	1.13E-02	1.16E-02	1.09E-02	3.18E-03	1.98E-03	5.15E-03	3.10E-03	1.93E-03	5.03E-03	3.06E-03	1.90E-03	4.96E-03
5978 482783.61, 3855918.8	0.07661	0.04858	1.16E-02	7.69E-03	1.10E-02	1.12E-02	1.06E-02	3.08E-03	1.96E-03	5.04E-03	3.01E-03	1.91E-03	4.92E-03	2.97E-03	1.88E-03	4.85E-03
5979 482700.33, 3855818.39	0.07591	0.04931	1.15E-02	7.81E-03	1.09E-02	1.11E-02	1.05E-02	3.05E-03	1.98E-03	5.04E-03	2.98E-03	1.94E-03	4.92E-03	2.94E-03	1.91E-03	4.85E-03
5980 482698.92, 3855718.54	0.0792	0.04997	1.20E-02	7.91E-03	1.13E-02	1.16E-02	1.10E-02	3.19E-03	2.01E-03	5.20E-03	3.11E-03	1.96E-03	5.07E-03	3.07E-03	1.94E-03	5.01E-03
5981 482697.52, 3855618.68	0.08294	0.05085	1.26E-02	8.05E-03	1.19E-02	1.22E-02	1.15E-02	3.34E-03	2.05E-03	5.38E-03	3.26E-03	2.00E-03	5.25E-03	3.21E-03	1.97E-03	5.18E-03
5982 482696.11, 3855518.83	0.08654	0.0533	1.31E-02	8.44E-03	1.24E-02	1.27E-02	1.20E-02	3.48E-03	2.14E-03	5.63E-03	3.40E-03	2.09E-03	5.49E-03	3.35E-03	2.07E-03	5.42E-03
5983 482694.71, 3855418.98	0.09033	0.05514	1.37E-02	8.73E-03	1.29E-02	1.32E-02	1.25E-02	3.64E-03	2.22E-03	5.85E-03	3.55E-03	2.17E-03	5.71E-03	3.50E-03	2.14E-03	5.64E-03
5984 482693.3, 3855319.13	0.09759	0.05659	1.48E-02	8.96E-03	1.40E-02	1.43E-02	1.35E-02	3.93E-03	2.28E-03	6.20E-03	3.83E-03	2.22E-03	6.05E-03	3.78E-03	2.19E-03	5.97E-03
5985 482691.9, 3855219.27	0.10411	0.05855	1.58E-02	9.27E-03	1.49E-02	1.53E-02	1.44E-02	4.19E-03	2.36E-03	6.55E-03	4.09E-03	2.30E-03	6.39E-03	4.03E-03	2.27E-03	6.30E-03
5986 482690.49, 3855119.42	0.11163	0.06083	1.70E-02	9.63E-03	1.60E-02	1.64E-02	1.54E-02	4.49E-03	2.45E-03	6.94E-03	4.38E-03	2.39E-03	6.77E-03	4.33E-03	2.36E-03	6.68E-03
5987 482689.09, 3855019.57	0.12255	0.06697	1.86E-02	1.06E-02	1.75E-02	1.80E-02	1.69E-02	4.93E-03	2.70E-03	7.63E-03	4.81E-03	2.63E-03	7.44E-03	4.75E-03	2.59E-03	7.34E-03
5988 482687.68, 3854919.71	0.13386	0.07171	2.03E-02	1.14E-02	1.92E-02	1.96E-02	1.85E-02	5.39E-03	2.89E-03	8.27E-03	5.26E-03	2.82E-03	8.07E-03	5.19E-03	2.78E-03	7.97E-03
5989 482686.28, 3854819.86	0.15055	0.07722	2.29E-02	1.22E-02	2.16E-02	2.21E-02	2.08E-02	6.06E-03	3.11E-03	9.17E-03	5.91E-03	3.03E-03	8.94E-03	5.83E-03	2.99E-03	8.83E-03
5990 482684.88, 3854720.01	0.16495	0.08191	2.51E-02	1.30E-02	2.36E-02	2.42E-02	2.28E-02	6.64E-03	3.30E-03	9.93E-03	6.48E-03	3.22E-03	9.69E-03	6.39E-03	3.17E-03	9.57E-03
5991 482683.47, 3854620.16	0.18336	0.08883	2.79E-02	1.41E-02	2.62E-02	2.69E-02	2.54E-02	7.38E-03	3.57E-03	1.10E-02	7.20E-03	3.49E-03	1.07E-02	7.10E-03	3.44E-03	1.05E-02
5992 482682.07, 3854520.31	0.20121	0.09697	3.06E-02	1.54E-02	2.88E-02	2.95E-02	2.78E-02	8.10E-03	3.90E-03	1.20E-02	7.90E-03	3.81E-03	1.17E-02	7.80E-03	3.76E-03	1.16E-02
5993 482680.66, 3854420.45	0.21912	0.10635	3.33E-02	1.68E-02	3.14E-02	3.21E-02	3.03E-02	8.82E-03	4.28E-03	1.31E-02	8.60E-03	4.18E-03	1.28E-02	8.49E-03	4.12E-03	1.26E-02
5994 482679.26, 3854320.6	0.2282	0.11798	3.47E-02	1.87E-02	3.27E-02	3.35E-02	3.16E-02	9.18E-03	4.75E-03	1.39E-02	8.96E-03	4.63E-03	1.36E-02	8.84E-03	4.57E-03	1.34E-02
5995 482677.85, 3854220.75	0.24035	0.13375	3.65E-02	2.12E-02	3.44E-02	3.52E-02	3.32E-02	9.67E-03	5.38E-03	1.51E-02	9.44E-03	5.25E-03	1.47E-02	9.31E-03	5.18E-03	1.45E-02
5996 482676.45, 3854120.9	0.23996	0.14823	3.65E-02	2.35E-02	3.44E-02	3.52E-02	3.32E-02	9.66E-03	5.97E-03	1.56E-02	9.42E-03	5.82E-03	1.52E-02	9.30E-03	5.74E-03	1.50E-02
5997 482675.04, 3854021.04	0.24368	0.17007	3.70E-02	2.69E-02	3.49E-02	3.57E-02	3.37E-02	9.81E-03	6.84E-03	1.67E-02	9.57E-03	6.68E-03	1.62E-02	9.44E-03	6.59E-03	1.60E-02
5998 482673.64, 3853921.19	0.24618	0.188	3.74E-02	2.98E-02	3.52E-02	3.61E-02	3.40E-02	9.91E-03	7.57E-03	1.75E-02	9.67E-03	7.38E-03	1.71E-02	9.54E-03	7.28E-03	1.68E-02
5999 482672.23, 3853821.34	0.25828	0.19983	3.92E-02	3.16E-02	3.70E-02	3.79E-02	3.57E-02	1.04E-02	8.04E-03	1.84E-02	1.01E-02	7.85E-03	1.80E-02	1.00E-02	7.74E-03	1.78E-02
6000 482670.83, 3853721.48	0.27351	0.22306	4.16E-02	3.53E-02	3.92E-02	4.01E-02	3.78E-02	1.10E-02	8.98E-03	2.00E-02	1.07E-02	8.76E-03	1.95E-02	1.06E-02	8.64E-03	1.92E-02
6001 482669.42, 3853621.63	0.28566	0.25381	4.34E-02	4.02E-02	4.09E-02	4.19E-02	3.95E-02	1.15E-02	1.02E-02	2.17E-02	1.12E-02	9.97E-03	2.12E-02	1.11E-02	9.83E-03	2.09E-02
6002 482645.99, 3853446.13	0.31757	0.30591	4.83E-02	4.84E-02	4.55E-02	4.66E-02	4.39E-02	1.28E-02	1.23E-02	2.51E-02	1.25E-02	1.20E-02	2.45E-02	1.23E-02	1.19E-02	2.42E-02

6003 482623.96, 3853370.48	0.31804	0.31232	4.83E-02	4.95E-02	4.55E-02	4.66E-02	4.40E-02	1.28E-02	1.26E-02	2.54E-02	1.25E-02	1.23E-02	2.48E-02	1.23E-02	1.21E-02	2.44E-02
6004 482601.94, 3853294.84	0.32746	0.33034	4.98E-02	5.23E-02	4.69E-02	4.80E-02	4.53E-02	1.32E-02	1.33E-02	2.65E-02	1.29E-02	1.30E-02	2.58E-02	1.27E-02	1.28E-02	2.55E-02
6005 482531.29, 3853133.44	0.37906	0.38002	5.76E-02	6.02E-02	5.43E-02	5.56E-02	5.24E-02	1.53E-02	1.53E-02	3.05E-02	1.49E-02	1.49E-02	2.98E-02	1.47E-02	1.47E-02	2.94E-02
6006 482482.68, 3853047.69	0.40431	0.40774	6.14E-02	6.46E-02	5.79E-02	5.93E-02	5.59E-02	1.63E-02	1.64E-02	3.27E-02	1.59E-02	1.60E-02	3.19E-02	1.57E-02	1.58E-02	3.15E-02
6007 482383.08, 3852897.4	0.5419	0.55431	8.23E-02	8.78E-02	7.76E-02	7.95E-02	7.49E-02	2.18E-02	2.23E-02	4.41E-02	2.13E-02	2.18E-02	4.30E-02	2.10E-02	2.15E-02	4.25E-02
6008 482265.64, 3852765.26	0.59972	0.61151	9.11E-02	9.68E-02	8.59E-02	8.79E-02	8.29E-02	2.41E-02	2.46E-02	4.87E-02	2.36E-02	2.40E-02	4.76E-02	2.32E-02	2.37E-02	4.69E-02
6009 482199.16, 3852697.66	0.59904	0.60941	9.10E-02	9.65E-02	8.58E-02	8.78E-02	8.29E-02	2.41E-02	2.45E-02	4.86E-02	2.35E-02	2.39E-02	4.75E-02	2.32E-02	2.36E-02	4.68E-02
6010 482132.69, 3852630.07	0.58994	0.59987	8.96E-02	9.50E-02	8.45E-02	8.65E-02	8.16E-02	2.37E-02	2.41E-02	4.79E-02	2.32E-02	2.36E-02	4.67E-02	2.29E-02	2.32E-02	4.61E-02
6011 482066.21, 3852562.48	0.58766	0.59758	8.93E-02	9.46E-02	8.41E-02	8.62E-02	8.13E-02	2.36E-02	2.40E-02	4.77E-02	2.31E-02	2.35E-02	4.65E-02	2.28E-02	2.32E-02	4.59E-02
6012 481999.74, 3852494.89	0.57673	0.58694	8.76E-02	9.29E-02	8.26E-02	8.46E-02	7.98E-02	2.32E-02	2.36E-02	4.68E-02	2.26E-02	2.30E-02	4.57E-02	2.23E-02	2.27E-02	4.51E-02
6013 481933.26, 3852427.29	0.55472	0.56562	8.43E-02	8.96E-02	7.94E-02	8.13E-02	7.67E-02	2.23E-02	2.28E-02	4.51E-02	2.18E-02	2.22E-02	4.40E-02	2.15E-02	2.19E-02	4.34E-02
6014 481866.79, 3852359.7	0.55775	0.56696	8.48E-02	8.98E-02	7.98E-02	8.18E-02	7.71E-02	2.24E-02	2.28E-02	4.53E-02	2.19E-02	2.23E-02	4.42E-02	2.16E-02	2.20E-02	4.36E-02
6015 481800.31, 3852292.11	0.54858	0.55749	8.34E-02	8.83E-02	7.85E-02	8.04E-02	7.59E-02	2.21E-02	2.24E-02	4.45E-02	2.15E-02	2.19E-02	4.34E-02	2.13E-02	2.16E-02	4.29E-02
6016 481733.84, 3852224.52	0.53787	0.5476	8.17E-02	8.67E-02	7.70E-02	7.89E-02	7.44E-02	2.16E-02	2.20E-02	4.37E-02	2.11E-02	2.15E-02	4.26E-02	2.08E-02	2.12E-02	4.21E-02
6017 481667.36, 3852156.92	0.54202	0.55111	8.24E-02	8.73E-02	7.76E-02	7.95E-02	7.50E-02	2.18E-02	2.22E-02	4.40E-02	2.13E-02	2.16E-02	4.29E-02	2.10E-02	2.14E-02	4.24E-02
6018 481600.89, 3852089.33	0.53129	0.54107	8.07E-02	8.57E-02	7.61E-02	7.79E-02	7.35E-02	2.14E-02	2.18E-02	4.32E-02	2.09E-02	2.12E-02	4.21E-02	2.06E-02	2.10E-02	4.16E-02
6019 481534.41, 3852021.74	0.51961	0.5297	7.90E-02	8.39E-02	7.44E-02	7.62E-02	7.19E-02	2.09E-02	2.13E-02	4.22E-02	2.04E-02	2.08E-02	4.12E-02	2.01E-02	2.05E-02	4.07E-02
6020 481467.94, 3851954.15	0.51152	0.52012	7.77E-02	8.24E-02	7.32E-02	7.50E-02	7.07E-02	2.06E-02	2.09E-02	4.15E-02	2.01E-02	2.04E-02	4.05E-02	1.98E-02	2.02E-02	4.00E-02
6021 481401.46, 3851886.55	0.50986	0.51752	7.75E-02	8.19E-02	7.30E-02	7.48E-02	7.05E-02	2.05E-02	2.08E-02	4.13E-02	2.00E-02	2.03E-02	4.03E-02	1.98E-02	2.01E-02	3.98E-02
6022 481265.87, 3851761.43	0.47852	0.48492	7.27E-02	7.68E-02	6.85E-02	7.02E-02	6.62E-02	1.93E-02	1.95E-02	3.88E-02	1.88E-02	1.90E-02	3.78E-02	1.85E-02	1.88E-02	3.73E-02
6023 481196.74, 3851703.89	0.44749	0.45152	6.80E-02	7.15E-02	6.41E-02	6.56E-02	6.19E-02	1.80E-02	1.82E-02	3.62E-02	1.76E-02	1.77E-02	3.53E-02	1.73E-02	1.75E-02	3.48E-02
6024 481076.33, 3851619.04	0.43969	0.44119	6.68E-02	6.99E-02	6.29E-02	6.45E-02	6.08E-02	1.77E-02	1.78E-02	3.54E-02	1.73E-02	1.73E-02	3.46E-02	1.70E-02	1.71E-02	3.41E-02
6025 480939.8, 3851549.07	0.43649	0.43486	6.63E-02	6.89E-02	6.25E-02	6.40E-02	6.04E-02	1.76E-02	1.75E-02	3.51E-02	1.71E-02	1.71E-02	3.42E-02	1.69E-02	1.69E-02	3.38E-02
6026 480854.56, 3851506.41	0.43296	0.43228	6.58E-02	6.84E-02	6.20E-02	6.35E-02	5.99E-02	1.74E-02	1.74E-02	3.48E-02	1.70E-02	1.70E-02	3.40E-02	1.68E-02	1.68E-02	3.35E-02
6027 480769.32, 3851463.75	0.44117	0.44355	6.70E-02	7.02E-02	6.32E-02	6.47E-02	6.10E-02	1.78E-02	1.78E-02	3.56E-02	1.73E-02	1.74E-02	3.47E-02	1.71E-02	1.72E-02	3.43E-02
6028 480684.08, 3851421.08	0.45426	0.45935	6.90E-02	7.27E-02	6.50E-02	6.66E-02	6.28E-02	1.83E-02	1.85E-02	3.68E-02	1.78E-02	1.80E-02	3.59E-02	1.76E-02	1.78E-02	3.54E-02
6029 480598.84, 3851378.42	0.45244	0.45748	6.87E-02	7.24E-02	6.48E-02	6.63E-02	6.26E-02	1.82E-02	1.84E-02	3.66E-02	1.78E-02	1.80E-02	3.57E-02	1.75E-02	1.77E-02	3.53E-02
6030 480435.71, 3851275.01	0.55178	0.55893	8.38E-02	8.85E-02	7.90E-02	8.09E-02	7.63E-02	2.22E-02	2.25E-02	4.47E-02	2.17E-02	2.19E-02	4.36E-02	2.14E-02	2.17E-02	4.30E-02
6031 480347.85, 3851232.36	0.55632	0.56696	8.45E-02	8.98E-02	7.96E-02	8.16E-02	7.69E-02	2.24E-02	2.28E-02	4.52E-02	2.18E-02	2.23E-02	4.41E-02	2.16E-02	2.20E-02	4.35E-02
6032 480260, 3851189.72	0.54522	0.55392	8.28E-02	8.77E-02	7.81E-02	7.99E-02	7.54E-02	2.19E-02	2.23E-02	4.42E-02	2.14E-02	2.18E-02	4.32E-02	2.11E-02	2.15E-02	4.26E-02
6033 480172.15, 3851147.07	0.54143	0.55053	8.23E-02	8.72E-02	7.75E-02	7.94E-02	7.49E-02	2.18E-02	2.22E-02	4.39E-02	2.13E-02	2.16E-02	4.29E-02	2.10E-02	2.13E-02	4.23E-02
6034 480084.29, 3851104.42	0.53982	0.55117	8.20E-02	8.73E-02	7.73E-02	7.92E-02	7.47E-02	2.17E-02	2.22E-02	4.39E-02	2.12E-02	2.16E-02	4.28E-02	2.09E-02	2.14E-02	4.23E-02
6035 479996.44, 3851061.77	0.53784	0.5499	8.17E-02	8.71E-02	7.70E-02	7.89E-02	7.44E-02	2.16E-02	2.21E-02	4.38E-02	2.11E-02	2.16E-02	4.27E-02	2.08E-02	2.13E-02	4.21E-02
6036 479908.58, 3851019.13	0.55899	0.57802	8.49E-02	9.15E-02	8.00E-02	8.20E-02	7.73E-02	2.25E-02	2.33E-02	4.58E-02	2.20E-02	2.27E-02	4.47E-02	2.17E-02	2.24E-02	4.41E-02
6037 479820.73, 3850976.48	0.5526	0.57366	8.40E-02	9.08E-02	7.91E-02	8.10E-02	7.64E-02	2.22E-02	2.31E-02	4.53E-02	2.17E-02	2.25E-02	4.42E-02	2.14E-02	2.22E-02	4.36E-02
6038 479732.88, 3850933.83	0.54024	0.56392	8.21E-02	8.93E-02	7.73E-02	7.92E-02	7.47E-02	2.17E-02	2.27E-02	4.44E-02	2.12E-02	2.21E-02	4.34E-02	2.09E-02	2.19E-02	4.28E-02
6039 479645.02, 3850891.18	0.53541	0.56147	8.14E-02	8.89E-02	7.66E-02	7.85E-02	7.41E-02	2.15E-02	2.26E-02	4.41E-02	2.10E-02	2.20E-02	4.31E-02	2.07E-02	2.18E-02	4.25E-02
6040 479557.17, 3850848.54	0.52865	0.55547	8.03E-02	8.79E-02	7.57E-02	7.75E-02	7.31E-02	2.13E-02	2.24E-02	4.36E-02	2.08E-02	2.18E-02	4.26E-02	2.05E-02	2.15E-02	4.20E-02
6041 479469.32, 3850805.89	0.54135	0.56836	8.23E-02	9.00E-02	7.75E-02	7.94E-02	7.49E-02	2.18E-02	2.29E-02	4.47E-02	2.13E-02	2.23E-02	4.36E-02	2.10E-02	2.20E-02	4.30E-02
6042 479381.46, 3850763.24	0.52808	0.55346	8.02E-02	8.76E-02	7.56E-02	7.74E-02	7.30E-02	2.13E-02	2.23E-02	4.35E-02	2.07E-02	2.17E-02	4.25E-02	2.05E-02	2.14E-02	4.19E-02
6043 479293.61, 3850720.59	0.50583	0.52986	7.69E-02	8.39E-02	7.24E-02	7.42E-02	7.00E-02	2.04E-02	2.13E-02	4.17E-02	1.99E-02	2.08E-02	4.07E-02	1.96E-02	2.05E-02	4.01E-02
6044 479205.76, 3850677.95	0.50672	0.53193	7.70E-02	8.42E-02	7.25E-02	7.43E-02	7.01E-02	2.04E-02	2.14E-02	4.18E-02	1.99E-02	2.09E-02	4.08E-02	1.96E-02	2.06E-02	4.02E-02
6045 479117.9, 3850635.3	0.48357	0.50517	7.35E-02	8.00E-02	6.92E-02	7.09E-02	6.69E-02	1.95E-02	2.03E-02	3.98E-02	1.90E-02	1.98E-02	3.88E-02	1.87E-02	1.96E-02	3.83E-02
6046 479030.05, 3850592.65	0.47242	0.49167	7.18E-02	7.78E-02	6.76E-02	6.93E-02	6.53E-02	1.90E-02	1.98E-02	3.88E-02	1.86E-02	1.93E-02	3.79E-02	1.83E-02	1.91E-02	3.74E-02
6047 478942.19, 3850550	0.48151	0.50129	7.32E-02	7.94E-02	6.89E-02	7.06E-02	6.66E-02	1.94E-02	2.02E-02	3.96E-02	1.89E-02	1.97E-02	3.86E-02	1.87E-02	1.94E-02	3.81E-02
6048 478854.34, 3850507.36	0.53315	0.55541	8.10E-02	8.79E-02	7.63E-02	7.82E-02	7.37E-02	2.15E-02	2.24E-02	4.38E-02	2.09E-02	2.18E-02	4.27E-02	2.07E-02	2.15E-02	4.22E-02
6049 478766.49, 3850464.71	0.54186	0.56263	8.23E-02	8.91E-02	7.76E-02	7.95E-02	7.49E-02	2.18E-02	2.26E-02	4.44E-02	2.13E-02	2.21E-02	4.34E-02	2.10E-02	2.18E-02	4.28E-02
6050 478678.63, 3850422.06	0.5403	0.56018	8.21E-02	8.87E-02	7.73E-02	7.92E-02	7.47E-02	2.17E-02	2.25E-02	4.43E-02	2.12E-02	2.20E-02	4.32E-02	2.09E-02	2.17E-02	4.26E-02
6051 478590.78, 3850379.41	0.54393	0.56319	8.27E-02	8.92E-02	7.79E-02	7.98E-02	7.52E-02	2.19E-02	2.27E-02	4.46E-02	2.14E-02	2.21E-02	4.35E-02	2.11E-02	2.18E-02	4.29E-02
6052 478502.93, 3850336.77	0.54185	0.56032	8.23E-02	8.87E-02	7.76E-02	7.95E-02	7.49E-02	2.18E-02	2.25E-02	4.44E-02	2.13E-02	2.20E-02	4.33E-02	2.10E-02	2.17E-02	4.27E-02
6053 478415.07, 3850294.12	0.53179	0.54735	8.08E-02	8.67E-02	7.61E-02	7.80E-02	7.36E-02	2.14E-02	2.20E-02	4.34E-02	2.09E-02	2.15E-02	4.24E-02	2.06E-02	2.12E-02	4.18E-02
6054 478327.22, 3850251.47	0.54193	0.55762	8.23E-02	8.83E-02	7.76E-02	7.95E-02	7.50E-02	2.18E-02	2.24E-02	4.42E-02	2.13E-02	2.19E-02	4.32E-02	2.10E-02	2.16E-02	4.26E-02
6055 478239.36, 3850208.82	0.54376	0.55879	8.26E-02	8.85E-02	7.78E-02	7.97E-02	7.52E-02	2.19E-02	2.25E-02	4.44E-02	2.14E-02	2.19E-02	4.33E-02	2.11E-02	2.17E-02	4.27E-02
6056 478151.51, 3850166.18	0.53997	0.55351	8.20E-02	8.76E-02	7.73E-02	7.92E-02	7.47E-02	2.17E-02	2.23E-02	4.40E-02	2.12E-02	2.17E-02	4.29E-02	2.09E-02	2.14E-02	4.24E-02
6057 478063.66, 3850123.53	0.54131	0.55543	8.23E-02	8.79E-02	7.75E-02	7.94E-02	7.49E-02	2.18E-02	2.24E-02	4.41E-02	2.13E-02	2.18E-02	4.31E-02	2.10E-02	2.15E-02	4.25E-02
6058 477975.8, 3850080.88	0.49752	0.50981	7.56E-02	8.07E-02	7.12E-02	7.30E-02	6.88E-02	2.00E-02	2.05E-02	4.05E-02	1.95E-02	2.00E-02	3.96E-02	1.93E-02	1.98E-02	3.90E-02
6059 477887.95, 3850038.23	0.50369	0.51462	7.65E-02	8.15E-02	7.21E-02	7.39E-02	6.97E-02	2.03E-02	2.07E-02	4.10E-02	1.98E-02	2.02E-02	4.00E-02	1.95E-02	1.99E-02	3.95E-02
6060 477800.1, 3849995.59	0.48482	0.49558	7.37E-02	7.85E-02	6.94E-02	7.11E-02	6.71E-02	1.95E-02	1.99E-02	3.95E-02	1.90E-02	1.95E-02	3.85E-02	1.88E-02	1.92E-02	3.80E-02
6061 477712.24, 3849952.94	0.4936	0.50276	7.50E-02	7.96E-02	7.07E-02	7.24E-02	6.83E-02	1.99E-02	2.02E-02	4.01E-02	1.94E-02	1.97E-02	3.91E-02	1.91E-02	1.95E-02	3.86E-02
6062 477624.39, 3849910.29	0.4985	0.50761	7.57E-02	8.04E-02	7.14E-02	7.31E-02	6.89E-02	2.01E-02	2.04E-02	4.05E-02	1.96E-02	1.99E-02	3.95E-02	1.93E-02	1.97E-02	3.90E-02
6063 477536.54, 3849867.64	0.48668	0.49454	7.40E-02	7.83E-02	6.97E-02	7.14E-02	6.73E-02	1.96E-02	1.99E-02	3.95E-02	1.91E-02	1.94E-02	3.85E-02	1.89E-02	1.92E-02	3.80E-02
6064 477448.68, 3849825	0.48382	0.49164	7.35E-02	7.78E-02	6.93E-02	7.09E-02	6.69E-02	1.95E-02	1.98E-02	3.93E-02	1.90E-02	1.93E-02	3.83E-02	1.87E-02	1.91E-02	3.78E-02
6065 477360.83, 3849782.35	0.47901	0.48676	7.28E-02	7.71E-02	6.86E-02	7.02E-02	6.63E-02	1.93E-02	1.96E-02	3.89E-02	1.88E-02	1.91E-02	3.79E-02	1.86E-02	1.89E-02	3.74E-02
6066 477272.97, 3849739.7	0.47139	0.47924	7.16E-02	7.59E-02	6.75E-02	6.91E-02	6.52E-02	1.90E-02	1.93E-02	3.83E-02	1.85E-02	1.88E-02	3.73E-02	1.83E-02	1.86E-02	3.68E-02
6067 477185.12, 3849697.05	0.46439	0.47001	7.06E-02	7.44E-02	6.65E-02	6.81E-02	6.42E-02	1.87E-02	1.89E-02	3.76E-02	1.82E-02	1.85E-02	3.67E-02	1.80E-02	1.82E-02	3.62E-02
6068 477097.27, 3849654.41	0.46808	0.47264	7.11E-02	7.48E-02	6.70E-02	6.86E-02	6.47E-02	1.88E-02	1.90E-02	3.79E-02	1.84E-02	1.86E-02	3.69E-02	1.81E-02	1.83E-02	3.65E-02

6069	477009.41, 3849611.76	0.48098	0.48491	7.31E-02	7.68E-02	6.89E-02	7.05E-02	6.65E-02	1.94E-02	1.95E-02	3.89E-02	1.89E-02	1.90E-02	3.79E-02	1.86E-02	1.88E-02	3.74E-02
6070	476841.49, 3849530.08	0.47102	0.47397	7.16E-02	7.50E-02	6.74E-02	6.91E-02	6.51E-02	1.90E-02	1.91E-02	3.80E-02	1.85E-02	1.86E-02	3.71E-02	1.83E-02	1.84E-02	3.66E-02
6071	476761.41, 3849491.05	0.47103	0.47378	7.16E-02	7.50E-02	6.74E-02	6.91E-02	6.51E-02	1.90E-02	1.91E-02	3.80E-02	1.85E-02	1.86E-02	3.71E-02	1.83E-02	1.84E-02	3.66E-02
6072	476681.34, 3849452.02	0.48335	0.48538	7.34E-02	7.69E-02	6.92E-02	7.09E-02	6.69E-02	1.95E-02	1.95E-02	3.90E-02	1.90E-02	1.91E-02	3.80E-02	1.87E-02	1.88E-02	3.75E-02
6073	476601.26, 3849412.99	0.50277	0.50393	7.64E-02	7.98E-02	7.20E-02	7.37E-02	6.95E-02	2.02E-02	2.03E-02	4.05E-02	1.97E-02	1.98E-02	3.95E-02	1.95E-02	1.95E-02	3.90E-02
6074	476456.32, 3849353.67	0.57489	0.57615	8.74E-02	9.12E-02	8.23E-02	8.43E-02	7.95E-02	2.31E-02	2.32E-02	4.63E-02	2.26E-02	2.26E-02	4.52E-02	2.23E-02	2.23E-02	4.46E-02
6075	476305.43, 3849318.83	0.55056	0.55443	8.37E-02	8.78E-02	7.88E-02	8.07E-02	7.61E-02	2.22E-02	2.23E-02	4.45E-02	2.16E-02	2.18E-02	4.34E-02	2.13E-02	2.15E-02	4.28E-02
6076	476129.36, 3849289.99	0.50753	0.51092	7.71E-02	8.09E-02	7.27E-02	7.44E-02	7.02E-02	2.04E-02	2.06E-02	4.10E-02	1.99E-02	2.01E-02	4.00E-02	1.97E-02	1.98E-02	3.95E-02
6077	476039.31, 3849275.68	0.47325	0.47581	7.19E-02	7.53E-02	6.78E-02	6.94E-02	6.55E-02	1.90E-02	1.91E-02	3.82E-02	1.86E-02	1.87E-02	3.73E-02	1.83E-02	1.84E-02	3.68E-02
6078	475949.26, 3849261.38	0.48514	0.489	7.37E-02	7.74E-02	6.95E-02	7.11E-02	6.71E-02	1.95E-02	1.97E-02	3.92E-02	1.91E-02	1.92E-02	3.83E-02	1.88E-02	1.89E-02	3.77E-02
6079	475859.21, 3849247.08	0.46651	0.46872	7.09E-02	7.42E-02	6.68E-02	6.84E-02	6.45E-02	1.88E-02	1.89E-02	3.76E-02	1.83E-02	1.84E-02	3.67E-02	1.81E-02	1.82E-02	3.62E-02
6080	475769.16, 3849232.77	0.44382	0.44543	6.74E-02	7.05E-02	6.35E-02	6.51E-02	6.14E-02	1.79E-02	1.79E-02	3.58E-02	1.74E-02	1.75E-02	3.49E-02	1.72E-02	1.73E-02	3.45E-02
6081	475585.22, 3849219.27	0.29313	0.29527	4.45E-02	4.68E-02	4.20E-02	4.30E-02	4.05E-02	1.18E-02	1.19E-02	2.37E-02	1.15E-02	1.16E-02	2.31E-02	1.14E-02	1.14E-02	2.28E-02
6082	475444.49, 3849150.34	0.54289	0.54626	8.25E-02	8.65E-02	7.77E-02	7.96E-02	7.51E-02	2.18E-02	2.20E-02	4.38E-02	2.13E-02	2.15E-02	4.28E-02	2.10E-02	2.12E-02	4.22E-02
6083	475334.17, 3849118.71	0.48245	0.48474	7.33E-02	7.67E-02	6.91E-02	7.07E-02	6.67E-02	1.94E-02	1.95E-02	3.89E-02	1.89E-02	1.90E-02	3.80E-02	1.87E-02	1.88E-02	3.75E-02
6084	475230.46, 3849060.57	0.51752	0.51908	7.86E-02	8.22E-02	7.41E-02	7.59E-02	7.16E-02	2.08E-02	2.09E-02	4.17E-02	2.03E-02	2.04E-02	4.07E-02	2.01E-02	2.01E-02	4.02E-02
6085	475110.86, 3848960.97	0.59879	0.60252	9.10E-02	9.54E-02	8.57E-02	8.78E-02	8.28E-02	2.41E-02	2.42E-02	4.83E-02	2.35E-02	2.37E-02	4.72E-02	2.32E-02	2.33E-02	4.65E-02
6086	475037.79, 3848896.28	0.63934	0.64195	9.71E-02	1.02E-01	9.15E-02	9.37E-02	8.84E-02	2.57E-02	2.58E-02	5.16E-02	2.51E-02	2.52E-02	5.03E-02	2.48E-02	2.49E-02	4.96E-02
6087	474964.72, 3848831.59	0.65232	0.65875	9.91E-02	1.04E-01	9.34E-02	9.56E-02	9.02E-02	2.63E-02	2.65E-02	5.28E-02	2.56E-02	2.59E-02	5.15E-02	2.53E-02	2.55E-02	5.08E-02
6088	474891.65, 3848766.9	0.6548	0.65824	9.95E-02	1.04E-01	9.37E-02	9.60E-02	9.06E-02	2.64E-02	2.65E-02	5.28E-02	2.57E-02	2.58E-02	5.16E-02	2.54E-02	2.55E-02	5.09E-02
6089	474818.58, 3848702.22	0.66684	0.67166	1.01E-01	1.06E-01	9.55E-02	9.78E-02	9.22E-02	2.68E-02	2.70E-02	5.39E-02	2.62E-02	2.64E-02	5.26E-02	2.58E-02	2.60E-02	5.19E-02
6090	474745.51, 3848637.53	0.62897	0.6327	9.56E-02	1.00E-01	9.00E-02	9.22E-02	8.70E-02	2.53E-02	2.55E-02	5.08E-02	2.47E-02	2.48E-02	4.95E-02	2.44E-02	2.45E-02	4.89E-02
6091	474672.44, 3848572.84	0.63925	0.64405	9.71E-02	1.02E-01	9.15E-02	9.37E-02	8.84E-02	2.57E-02	2.59E-02	5.16E-02	2.51E-02	2.53E-02	5.04E-02	2.48E-02	2.50E-02	4.97E-02
6092	474599.37, 3848508.15	0.67348	0.67741	1.02E-01	1.07E-01	9.64E-02	9.88E-02	9.31E-02	2.71E-02	2.73E-02	5.44E-02	2.64E-02	2.66E-02	5.30E-02	2.61E-02	2.62E-02	5.23E-02
6093	474526.3, 3848443.46	0.67885	0.68369	1.03E-01	1.08E-01	9.72E-02	9.95E-02	9.39E-02	2.73E-02	2.75E-02	5.48E-02	2.67E-02	2.68E-02	5.35E-02	2.63E-02	2.65E-02	5.28E-02

			Existing	S.Main(100%)	No Project	2033	2048	With Project			2033			2048		
	Period	Rates (g/s):	1.52E-01	1.58E-01	1.43E-01	1.47E-01	1.38E-01	4.02E-02	4.02E-02		3.93E-02	3.93E-02		3.87E-02	3.87E-02	
	Concentration [ug/m^3] at 1 g/s		Concentration [ug/m^3]													
	X, Y	Existing/N.M	S.Main(SLINE2)	Existing	S.Main(100%)	2028	2033	2048	N.Main (2028)	S.Main (2028)	N+S (2028)	N.Main (2033)	S.Main (2033)	N+S (2033)	N.Main (2028)	S.Main (2028)	N+S (2048)
1	485973.61, 3854936.51	0.00803	0.01868	1.22E-03	2.96E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	7.52E-04	1.07E-03	3.15E-04	7.34E-04	1.05E-03	3.11E-04	7.24E-04	1.03E-03
2	486023.61, 3854936.51	0.00789	0.01795	1.20E-03	2.84E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	7.22E-04	1.04E-03	3.10E-04	7.05E-04	1.01E-03	3.06E-04	6.96E-04	1.00E-03
3	486073.61, 3854936.51	0.00778	0.01734	1.18E-03	2.75E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	6.98E-04	1.01E-03	3.06E-04	6.81E-04	9.86E-04	3.01E-04	6.72E-04	9.73E-04
4	486123.61, 3854936.51	0.00761	0.01656	1.16E-03	2.62E-03	1.09E-03	1.12E-03	1.05E-03	3.06E-04	6.66E-04	9.73E-04	2.99E-04	6.50E-04	9.49E-04	2.95E-04	6.42E-04	9.37E-04
5	486173.61, 3854936.51	0.00754	0.01615	1.15E-03	2.56E-03	1.08E-03	1.11E-03	1.04E-03	3.03E-04	6.50E-04	9.53E-04	2.96E-04	6.34E-04	9.30E-04	2.92E-04	6.26E-04	9.18E-04
6	486223.61, 3854936.51	0.00742	0.01558	1.13E-03	2.47E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	6.27E-04	9.26E-04	2.91E-04	6.12E-04	9.03E-04	2.88E-04	6.04E-04	8.91E-04
7	486273.61, 3854936.51	0.00732	0.0151	1.11E-03	2.39E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	6.08E-04	9.02E-04	2.87E-04	5.93E-04	8.80E-04	2.84E-04	5.85E-04	8.69E-04
8	486323.61, 3854936.51	0.00723	0.01467	1.10E-03	2.32E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	5.90E-04	8.81E-04	2.84E-04	5.76E-04	8.60E-04	2.80E-04	5.68E-04	8.49E-04
9	485973.61, 3854986.51	0.00822	0.01946	1.25E-03	3.08E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	7.83E-04	1.11E-03	3.23E-04	7.64E-04	1.09E-03	3.19E-04	7.54E-04	1.07E-03
10	486023.61, 3854986.51	0.0081	0.01872	1.23E-03	2.96E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	7.53E-04	1.08E-03	3.18E-04	7.35E-04	1.05E-03	3.14E-04	7.25E-04	1.04E-03
11	486073.61, 3854986.51	0.00795	0.01798	1.21E-03	2.85E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	7.24E-04	1.04E-03	3.12E-04	7.06E-04	1.02E-03	3.08E-04	6.97E-04	1.00E-03
12	486123.61, 3854986.51	0.00782	0.01729	1.19E-03	2.74E-03	1.12E-03	1.15E-03	1.08E-03	3.15E-04	6.96E-04	1.01E-03	3.07E-04	6.79E-04	9.86E-04	3.03E-04	6.70E-04	9.73E-04
13	486173.61, 3854986.51	0.00772	0.01676	1.17E-03	2.65E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	6.74E-04	9.85E-04	3.03E-04	6.58E-04	9.61E-04	2.99E-04	6.49E-04	9.49E-04
14	486223.61, 3854986.51	0.00759	0.01614	1.15E-03	2.56E-03	1.09E-03	1.11E-03	1.05E-03	3.05E-04	6.50E-04	9.55E-04	2.98E-04	6.34E-04	9.32E-04	2.94E-04	6.25E-04	9.20E-04
15	486273.61, 3854986.51	0.00745	0.01554	1.13E-03	2.46E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	6.25E-04	9.25E-04	2.93E-04	6.10E-04	9.03E-04	2.89E-04	6.02E-04	8.91E-04
16	486323.61, 3854986.51	0.0074	0.01522	1.12E-03	2.41E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	6.13E-04	9.10E-04	2.91E-04	5.98E-04	8.88E-04	2.87E-04	5.90E-04	8.76E-04
17	485973.61, 3855036.51	0.00844	0.0203	1.28E-03	3.21E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	8.17E-04	1.16E-03	3.31E-04	7.97E-04	1.13E-03	3.27E-04	7.87E-04	1.11E-03
18	486023.61, 3855036.51	0.0083	0.01947	1.26E-03	3.08E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	7.84E-04	1.12E-03	3.26E-04	7.65E-04	1.09E-03	3.22E-04	7.54E-04	1.08E-03
19	486073.61, 3855036.51	0.00813	0.01862	1.24E-03	2.95E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	7.49E-04	1.08E-03	3.19E-04	7.31E-04	1.05E-03	3.15E-04	7.21E-04	1.04E-03
20	486123.61, 3855036.51	0.00799	0.01791	1.21E-03	2.84E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	7.21E-04	1.04E-03	3.14E-04	7.03E-04	1.02E-03	3.10E-04	6.94E-04	1.00E-03
21	486173.61, 3855036.51	0.0079	0.01736	1.20E-03	2.75E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	6.99E-04	1.02E-03	3.10E-04	6.82E-04	9.92E-04	3.06E-04	6.73E-04	9.79E-04
22	486223.61, 3855036.51	0.00775	0.01666	1.18E-03	2.64E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	6.70E-04	9.82E-04	3.04E-04	6.54E-04	9.59E-04	3.00E-04	6.46E-04	9.46E-04
23	486273.61, 3855036.51	0.00767	0.01621	1.17E-03	2.57E-03	1.10E-03	1.12E-03	1.06E-03	3.09E-04	6.52E-04	9.61E-04	3.01E-04	6.37E-04	9.38E-04	2.97E-04	6.28E-04	9.25E-04
24	486323.61, 3855036.51	0.00755	0.01566	1.15E-03	2.48E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	6.30E-04	9.34E-04	2.96E-04	6.15E-04	9.11E-04	2.93E-04	6.07E-04	8.99E-04
25	485973.61, 3855086.51	0.00865	0.02113	1.31E-03	3.35E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	8.50E-04	1.20E-03	3.40E-04	8.30E-04	1.17E-03	3.35E-04	8.19E-04	1.15E-03
26	486023.61, 3855086.51	0.00852	0.0203	1.29E-03	3.21E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	8.17E-04	1.16E-03	3.35E-04	7.97E-04	1.13E-03	3.30E-04	7.87E-04	1.12E-03
27	486073.61, 3855086.51	0.00834	0.01938	1.27E-03	3.07E-03	1.19E-03	1.22E-03	1.15E-03	3.36E-04	7.80E-04	1.12E-03	3.28E-04	7.61E-04	1.09E-03	3.23E-04	7.51E-04	1.07E-03
28	486123.61, 3855086.51	0.00822	0.01869	1.25E-03	2.96E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	7.52E-04	1.08E-03	3.23E-04	7.34E-04	1.06E-03	3.19E-04	7.24E-04	1.04E-03
29	486173.61, 3855086.51	0.00806	0.01792	1.22E-03	2.84E-03	1.15E-03	1.18E-03	1.11E-03	3.24E-04	7.21E-04	1.05E-03	3.17E-04	7.04E-04	1.02E-03	3.12E-04	6.94E-04	1.01E-03
30	486223.61, 3855086.51	0.00795	0.01731	1.21E-03	2.74E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	6.97E-04	1.02E-03	3.12E-04	6.80E-04	9.92E-04	3.08E-04	6.71E-04	9.79E-04
31	485973.61, 3855136.51	0.00891	0.0221	1.35E-03	3.50E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	8.89E-04	1.25E-03	3.50E-04	8.68E-04	1.22E-03	3.45E-04	8.56E-04	1.20E-03
32	486023.61, 3855136.51	0.00874	0.02114	1.33E-03	3.35E-03	1.25E-03	1.28E-03	1.21E-03	3.52E-04	8.51E-04	1.20E-03	3.43E-04	8.30E-04	1.17E-03	3.39E-04	8.19E-04	1.16E-03
33	486073.61, 3855136.51	0.00857	0.02023	1.30E-03	3.20E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	8.14E-04	1.16E-03	3.37E-04	7.94E-04	1.13E-03	3.32E-04	7.84E-04	1.12E-03
34	486123.61, 3855136.51	0.00843	0.01942	1.28E-03	3.07E-03	1.21E-03	1.24E-03	1.17E-03	3.39E-04	7.82E-04	1.12E-03	3.31E-04	7.63E-04	1.09E-03	3.27E-04	7.52E-04	1.08E-03
35	486173.61, 3855136.51	0.00828	0.01864	1.26E-03	2.95E-03	1.19E-03	1.21E-03	1.15E-03	3.33E-04	7.50E-04	1.08E-03	3.25E-04	7.32E-04	1.06E-03	3.21E-04	7.22E-04	1.04E-03
36	486223.61, 3855136.51	0.00814	0.01794	1.24E-03	2.84E-03	1.17E-03	1.19E-03	1.13E-03	3.28E-04	7.22E-04	1.05E-03	3.20E-04	7.05E-04	1.02E-03	3.15E-04	6.95E-04	1.01E-03
37	485973.61, 3855186.51	0.00917	0.02314	1.39E-03	3.66E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	9.31E-04	1.30E-03	3.60E-04	9.09E-04	1.27E-03	3.55E-04	8.97E-04	1.25E-03
38	486023.61, 3855186.51	0.009	0.02211	1.37E-03	3.50E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	8.90E-04	1.25E-03	3.53E-04	8.68E-04	1.22E-03	3.49E-04	8.57E-04	1.21E-03
39	486073.61, 3855186.51	0.0088	0.02107	1.34E-03	3.34E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	8.48E-04	1.20E-03	3.46E-04	8.27E-04	1.17E-03	3.41E-04	8.16E-04	1.16E-03
40	486123.61, 3855186.51	0.00861	0.02011	1.31E-03	3.18E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	8.09E-04	1.16E-03	3.38E-04	7.90E-04	1.13E-03	3.34E-04	7.79E-04	1.11E-03
41	486173.61, 3855186.51	0.00846	0.01931	1.29E-03	3.06E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	7.77E-04	1.12E-03	3.32E-04	7.58E-04	1.09E-03	3.28E-04	7.48E-04	1.08E-03
42	486223.61, 3855186.51	0.00832	0.01856	1.26E-03	2.94E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	7.47E-04	1.08E-03	3.27E-04	7.29E-04	1.06E-03	3.22E-04	7.19E-04	1.04E-03
43	486273.61, 3855186.51	0.00817	0.01784	1.24E-03	2.82E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	7.18E-04	1.05E-03	3.21E-04	7.01E-04	1.02E-03	3.17E-04	6.91E-04	1.01E-03
44	486323.61, 3855186.51	0.00813	0.01746	1.24E-03	2.76E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	7.03E-04	1.03E-03	3.19E-04	6.86E-04	1.00E-03	3.15E-04	6.77E-04	9.92E-04
45	485973.61, 3855236.51	0.00943	0.02421	1.43E-03	3.83E-03	1.35E-03	1.38E-03	1.30E-03	3.79E-04	9.74E-04	1.35E-03	3.70E-04	9.51E-04	1.32E-03	3.65E-04	9.38E-04	1.30E-03
46	486023.61, 3855236.51	0.00922	0.02301	1.40E-03	3.64E-03	1.32E-03	1.35E-03	1.28E-03	3.71E-04	9.26E-04	1.30E-03	3.62E-04	9.04E-04	1.27E-03	3.57E-04	8.92E-04	1.25E-03
47	486073.61, 3855236.51	0.009	0.02187	1.37E-03	3.46E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	8.80E-04	1.24E-03	3.53E-04	8.59E-04	1.21E-03	3.49E-04	8.47E-04	1.20E-03
48	486123.61, 3855236.51	0.00883	0.02092	1.34E-03	3.31E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	8.42E-04	1.20E-03	3.47E-04	8.22E-04	1.17E-03	3.42E-04	8.11E-04	1.15E-03
49	486173.61, 3855236.51	0.00867	0.02005	1.32E-03	3.17E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	8.07E-04	1.16E-03	3.40E-04	7.87E-04	1.13E-03	3.36E-04	7.77E-04	1.11E-03
50	486223.61, 3855236.51	0.00851	0.01922	1.29E-03	3.04E-03	1.22E-03	1.25E-03	1.18E-03	3.42E-04	7.73E-04	1.12E-03	3.34E-04	7.55E-04	1.09E-03	3.30E-04	7.45E-04	1.07E-03
51	486273.61, 3855236.51	0.00831	0.01832	1.26E-03	2.90E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	7.37E-04	1.07E-03	3.26E-04	7.19E-04	1.05E-03	3.22E-04	7.10E-04	1.03E-03
52	486323.61, 3855236.51	0.00832	0.01804	1.26E-03	2.86E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	7.26E-04	1.06E-03	3.27E-04	7.08E-04	1.04E-03	3.22E-04	6.99E-04	1.02E-03
53	485973.61, 3855286.51	0.0097	0.02535	1.47E-03	4.01E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	1.02E-03	1.41E-03	3.81E-04	9.95E-04	1.38E-03	3.76E-04	9.82E-04	1.36E-03
54	486023.61, 3855286.51	0.00946	0.02401	1.44E-03	3.80E-03	1.35E-03	1.39E-03	1.31E-03	3.81E-04	9.66E-04	1.35E-03	3.71E-04	9.43E-04	1.31E-03	3.67E-04	9.30E-04	1.30E-03
55	486073.61, 3855286.51	0.00925	0.02283	1.41E-03	3.61E-03	1.32E-03	1.36E-03	1.28E-03	3.72E-04	9.19E-04	1.29E-03	3.63E-04	8.97E-04	1.26E-03	3.58E-04	8.85E-04	1.24E-03
56	486123.61, 3855286.51	0.00904	0.02172	1.37E-03	3.44E-03	1.29E-03	1.33E-03	1.25E-03	3.64E-04	8.74E-04	1.24E-03	3.55E-04	8.53E-04	1.21E-03	3.50E-04	8.42E-04	1.19E-03
57	486173.61, 3855286.51	0.00886	0.02074	1.35E-03	3.28E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	8.35E-04	1.19E-03	3.48E-04	8.14E-04	1.16E-03	3.43E-04	8.04E-04	1.15E-03
58	486223.61, 3855286.51	0.00871	0.01992	1.32E-03	3.15E-03	1.25E-03	1.28E-03	1.20E-03	3.51E-04	8.02E-04	1.15E-03	3.42E-04	7.82E-04	1.12E-03	3.37E-04	7.72E-04	1.11E-03
59	486123.61, 3855336.51	0.00926	0.02259	1.41E-03	3.58E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	9.09E-04	1.28E-03	3.64E-04	8.87E-04	1.25E-03	3.59E-04	8.75E-04	1.23E-03
60	486173.61, 3855336.51	0.00909	0.02159	1.38E-03	3.42E-03	1.30E-03	1.33E-03	1.26E-03	3.66E-04	8.69E-04	1.23E-03	3.57E-04	8.48E-04	1.20E-03	3.52E-04	8.37E-04	1.19E-03
61	486223.61, 3855336.51	0.00892	0.02065	1.36E-03	3.27E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	8.31E-04	1.19E-03	3.50E-04	8.11E-04	1.16E-03	3.46E-04	8.00E-04	1.15E-03
62	486123.61, 3855386.51	0.00951	0.02356	1.45E-03	3.73E-03	1.36E-03	1.39E-03	1.32E-03	3.83E-04	9.48E-04	1.33E-03	3.73E-04	9.25E-04	1.30E-03	3.68E-04	9.13E-04	1.28E-03

63	486173.61, 3855386.51	0.00932	0.02247	1.42E-03	3.56E-03	1.33E-03	1.37E-03	1.29E-03	3.75E-04	9.04E-04	1.28E-03	3.66E-04	8.82E-04	1.25E-03	3.61E-04	8.71E-04	1.23E-03
64	486223.61, 3855386.51	0.00915	0.0215	1.39E-03	3.40E-03	1.31E-03	1.34E-03	1.27E-03	3.68E-04	8.65E-04	1.23E-03	3.59E-04	8.44E-04	1.20E-03	3.55E-04	8.33E-04	1.19E-03
65	486533.18, 3855443.15	0.00854	0.01778	1.30E-03	2.82E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	7.16E-04	1.06E-03	3.35E-04	6.98E-04	1.03E-03	3.31E-04	6.89E-04	1.02E-03
66	486583.18, 3855443.15	0.0084	0.01718	1.28E-03	2.72E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	6.91E-04	1.03E-03	3.30E-04	6.75E-04	1.00E-03	3.25E-04	6.66E-04	9.91E-04
67	486633.18, 3855443.15	0.00827	0.01661	1.26E-03	2.63E-03	1.18E-03	1.21E-03	1.14E-03	3.33E-04	6.68E-04	1.00E-03	3.25E-04	6.52E-04	9.77E-04	3.20E-04	6.44E-04	9.64E-04
68	486683.18, 3855443.15	0.00817	0.01615	1.24E-03	2.56E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	6.50E-04	9.79E-04	3.21E-04	6.34E-04	9.55E-04	3.17E-04	6.26E-04	9.42E-04
69	486533.18, 3855493.15	0.00872	0.01835	1.33E-03	2.91E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	7.38E-04	1.09E-03	3.42E-04	7.21E-04	1.06E-03	3.38E-04	7.11E-04	1.05E-03
70	486583.18, 3855493.15	0.00859	0.01774	1.31E-03	2.81E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	7.14E-04	1.06E-03	3.37E-04	6.97E-04	1.03E-03	3.33E-04	6.87E-04	1.02E-03
71	486633.18, 3855493.15	0.00846	0.01714	1.29E-03	2.71E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	6.90E-04	1.03E-03	3.32E-04	6.73E-04	1.01E-03	3.28E-04	6.64E-04	9.92E-04
72	486683.18, 3855493.15	0.00833	0.01659	1.27E-03	2.63E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	6.68E-04	1.00E-03	3.27E-04	6.51E-04	9.79E-04	3.23E-04	6.43E-04	9.66E-04
73	486533.18, 3855543.15	0.00894	0.01901	1.36E-03	3.01E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	7.65E-04	1.12E-03	3.51E-04	7.47E-04	1.10E-03	3.46E-04	7.37E-04	1.08E-03
74	486583.18, 3855543.15	0.00876	0.01826	1.33E-03	2.89E-03	1.25E-03	1.28E-03	1.21E-03	3.53E-04	7.35E-04	1.09E-03	3.44E-04	7.17E-04	1.06E-03	3.39E-04	7.08E-04	1.05E-03
75	486633.18, 3855543.15	0.00863	0.01765	1.31E-03	2.79E-03	1.24E-03	1.27E-03	1.19E-03	3.47E-04	7.10E-04	1.06E-03	3.39E-04	6.93E-04	1.03E-03	3.34E-04	6.84E-04	1.02E-03
76	486683.18, 3855543.15	0.00847	0.01698	1.29E-03	2.69E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	6.83E-04	1.02E-03	3.33E-04	6.67E-04	9.99E-04	3.28E-04	6.58E-04	9.86E-04
77	486533.18, 3855593.15	0.00913	0.01965	1.39E-03	3.11E-03	1.31E-03	1.34E-03	1.26E-03	3.67E-04	7.91E-04	1.16E-03	3.59E-04	7.72E-04	1.13E-03	3.54E-04	7.61E-04	1.12E-03
78	486583.18, 3855593.15	0.00897	0.01889	1.36E-03	2.99E-03	1.28E-03	1.32E-03	1.24E-03	3.61E-04	7.60E-04	1.12E-03	3.52E-04	7.42E-04	1.09E-03	3.48E-04	7.32E-04	1.08E-03
79	486633.18, 3855593.15	0.00882	0.0182	1.34E-03	2.88E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	7.32E-04	1.09E-03	3.46E-04	7.15E-04	1.06E-03	3.42E-04	7.05E-04	1.05E-03
80	486683.18, 3855593.15	0.00869	0.01761	1.32E-03	2.79E-03	1.24E-03	1.27E-03	1.20E-03	3.50E-04	7.09E-04	1.06E-03	3.41E-04	6.92E-04	1.03E-03	3.37E-04	6.82E-04	1.02E-03
81	486533.18, 3855643.15	0.00935	0.02037	1.42E-03	3.23E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	8.20E-04	1.20E-03	3.67E-04	8.00E-04	1.17E-03	3.62E-04	7.89E-04	1.15E-03
82	486583.18, 3855643.15	0.00918	0.01956	1.39E-03	3.10E-03	1.31E-03	1.35E-03	1.27E-03	3.69E-04	7.87E-04	1.16E-03	3.60E-04	7.68E-04	1.13E-03	3.56E-04	7.58E-04	1.11E-03
83	486633.18, 3855643.15	0.00902	0.01883	1.37E-03	2.98E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	7.58E-04	1.12E-03	3.54E-04	7.39E-04	1.09E-03	3.50E-04	7.30E-04	1.08E-03
84	486683.18, 3855643.15	0.00887	0.01817	1.35E-03	2.88E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	7.31E-04	1.09E-03	3.48E-04	7.14E-04	1.06E-03	3.44E-04	7.04E-04	1.05E-03
85	486533.18, 3855693.15	0.0096	0.02123	1.46E-03	3.36E-03	1.37E-03	1.41E-03	1.33E-03	3.86E-04	8.54E-04	1.24E-03	3.77E-04	8.34E-04	1.21E-03	3.72E-04	8.23E-04	1.19E-03
86	486583.18, 3855693.15	0.00938	0.02026	1.43E-03	3.21E-03	1.34E-03	1.38E-03	1.30E-03	3.77E-04	8.15E-04	1.19E-03	3.68E-04	7.96E-04	1.16E-03	3.63E-04	7.85E-04	1.15E-03
87	486633.18, 3855693.15	0.00917	0.01936	1.39E-03	3.07E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	7.79E-04	1.15E-03	3.60E-04	7.60E-04	1.12E-03	3.55E-04	7.50E-04	1.11E-03
88	486683.18, 3855693.15	0.00906	0.01877	1.38E-03	2.97E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	7.55E-04	1.12E-03	3.56E-04	7.37E-04	1.09E-03	3.51E-04	7.27E-04	1.08E-03
89	486733.18, 3855693.15	0.00899	0.01832	1.37E-03	2.90E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	7.37E-04	1.10E-03	3.53E-04	7.19E-04	1.07E-03	3.48E-04	7.10E-04	1.06E-03
90	486783.18, 3855693.15	0.00894	0.01794	1.36E-03	2.84E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	7.22E-04	1.08E-03	3.51E-04	7.05E-04	1.06E-03	3.46E-04	6.95E-04	1.04E-03
91	486533.18, 3855743.15	0.00983	0.02213	1.49E-03	3.50E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	8.91E-04	1.29E-03	3.86E-04	8.69E-04	1.26E-03	3.81E-04	8.58E-04	1.24E-03
92	486583.18, 3855743.15	0.00957	0.02097	1.45E-03	3.32E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	8.44E-04	1.23E-03	3.76E-04	8.23E-04	1.20E-03	3.71E-04	8.13E-04	1.18E-03
93	486633.18, 3855743.15	0.00938	0.02009	1.43E-03	3.18E-03	1.34E-03	1.38E-03	1.30E-03	3.77E-04	8.08E-04	1.19E-03	3.68E-04	7.89E-04	1.16E-03	3.63E-04	7.78E-04	1.14E-03
94	486683.18, 3855743.15	0.00929	0.01952	1.41E-03	3.09E-03	1.33E-03	1.36E-03	1.28E-03	3.74E-04	7.86E-04	1.16E-03	3.65E-04	7.67E-04	1.13E-03	3.60E-04	7.56E-04	1.12E-03
95	486733.18, 3855743.15	0.00917	0.01891	1.39E-03	2.99E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	7.61E-04	1.13E-03	3.60E-04	7.43E-04	1.10E-03	3.55E-04	7.33E-04	1.09E-03
96	486783.18, 3855743.15	0.00914	0.01856	1.39E-03	2.94E-03	1.31E-03	1.34E-03	1.26E-03	3.68E-04	7.47E-04	1.11E-03	3.59E-04	7.29E-04	1.09E-03	3.54E-04	7.19E-04	1.07E-03
97	486533.18, 3855793.15	0.01008	0.02317	1.53E-03	3.67E-03	1.44E-03	1.48E-03	1.39E-03	4.06E-04	9.32E-04	1.34E-03	3.96E-04	9.10E-04	1.31E-03	3.91E-04	8.98E-04	1.29E-03
98	486583.18, 3855793.15	0.00975	0.02173	1.48E-03	3.44E-03	1.40E-03	1.43E-03	1.35E-03	3.92E-04	8.74E-04	1.27E-03	3.83E-04	8.53E-04	1.24E-03	3.78E-04	8.42E-04	1.22E-03
99	486633.18, 3855793.15	0.00964	0.02102	1.46E-03	3.33E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	8.46E-04	1.23E-03	3.79E-04	8.25E-04	1.20E-03	3.74E-04	8.14E-04	1.19E-03
100	486683.18, 3855793.15	0.00955	0.02039	1.45E-03	3.23E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	8.21E-04	1.20E-03	3.75E-04	8.01E-04	1.18E-03	3.70E-04	7.90E-04	1.16E-03
101	486733.18, 3855793.15	0.00943	0.01975	1.43E-03	3.13E-03	1.35E-03	1.38E-03	1.30E-03	3.79E-04	7.95E-04	1.17E-03	3.70E-04	7.76E-04	1.15E-03	3.65E-04	7.65E-04	1.13E-03
102	486783.18, 3855793.15	0.00934	0.0192	1.42E-03	3.04E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	7.73E-04	1.15E-03	3.67E-04	7.54E-04	1.12E-03	3.62E-04	7.44E-04	1.11E-03
103	486533.18, 3855843.15	0.01029	0.02419	1.56E-03	3.83E-03	1.47E-03	1.51E-03	1.42E-03	4.14E-04	9.73E-04	1.39E-03	4.04E-04	9.50E-04	1.35E-03	3.99E-04	9.37E-04	1.34E-03
104	486583.18, 3855843.15	0.01001	0.02279	1.52E-03	3.61E-03	1.43E-03	1.47E-03	1.38E-03	4.03E-04	9.17E-04	1.32E-03	3.93E-04	8.95E-04	1.29E-03	3.88E-04	8.83E-04	1.27E-03
105	486633.18, 3855843.15	0.00989	0.022	1.50E-03	3.48E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	8.85E-04	1.28E-03	3.88E-04	8.64E-04	1.25E-03	3.83E-04	8.52E-04	1.24E-03
106	486683.18, 3855843.15	0.00978	0.02129	1.49E-03	3.37E-03	1.40E-03	1.43E-03	1.35E-03	3.94E-04	8.57E-04	1.25E-03	3.84E-04	8.36E-04	1.22E-03	3.79E-04	8.25E-04	1.20E-03
107	486733.18, 3855843.15	0.00968	0.02063	1.47E-03	3.27E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	8.30E-04	1.22E-03	3.80E-04	8.10E-04	1.19E-03	3.75E-04	7.99E-04	1.17E-03
108	486783.18, 3855843.15	0.00957	0.02	1.45E-03	3.17E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	8.05E-04	1.19E-03	3.76E-04	7.85E-04	1.16E-03	3.71E-04	7.75E-04	1.15E-03
109	486533.18, 3855893.15	0.01044	0.02513	1.59E-03	3.98E-03	1.49E-03	1.53E-03	1.44E-03	4.20E-04	1.01E-03	1.43E-03	4.10E-04	9.87E-04	1.40E-03	4.05E-04	9.74E-04	1.38E-03
110	486583.18, 3855893.15	0.0103	0.02408	1.57E-03	3.81E-03	1.47E-03	1.51E-03	1.42E-03	4.15E-04	9.69E-04	1.38E-03	4.04E-04	9.46E-04	1.35E-03	3.99E-04	9.33E-04	1.33E-03
111	486633.18, 3855893.15	0.01015	0.02312	1.54E-03	3.66E-03	1.45E-03	1.49E-03	1.40E-03	4.08E-04	9.30E-04	1.34E-03	3.99E-04	9.08E-04	1.31E-03	3.93E-04	8.96E-04	1.29E-03
112	486683.18, 3855893.15	0.01003	0.0223	1.52E-03	3.53E-03	1.44E-03	1.47E-03	1.39E-03	4.04E-04	8.97E-04	1.30E-03	3.94E-04	8.76E-04	1.27E-03	3.89E-04	8.64E-04	1.25E-03
113	486733.18, 3855893.15	0.00992	0.02156	1.51E-03	3.41E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	8.68E-04	1.27E-03	3.90E-04	8.47E-04	1.24E-03	3.84E-04	8.35E-04	1.22E-03
114	486783.18, 3855893.15	0.00983	0.02092	1.49E-03	3.31E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	8.42E-04	1.24E-03	3.86E-04	8.22E-04	1.21E-03	3.81E-04	8.11E-04	1.19E-03
115	486533.18, 3855943.15	0.01071	0.02657	1.63E-03	4.21E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	1.07E-03	1.50E-03	4.21E-04	1.04E-03	1.46E-03	4.15E-04	1.03E-03	1.44E-03
116	486583.18, 3855943.15	0.0106	0.02555	1.61E-03	4.05E-03	1.52E-03	1.55E-03	1.47E-03	4.27E-04	1.03E-03	1.45E-03	4.16E-04	1.00E-03	1.42E-03	4.11E-04	9.90E-04	1.40E-03
117	486633.18, 3855943.15	0.01043	0.0244	1.58E-03	3.86E-03	1.49E-03	1.53E-03	1.44E-03	4.20E-04	9.82E-04	1.40E-03	4.10E-04	9.58E-04	1.37E-03	4.04E-04	9.45E-04	1.35E-03
118	486683.18, 3855943.15	0.01032	0.02352	1.57E-03	3.72E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	9.47E-04	1.36E-03	4.05E-04	9.24E-04	1.33E-03	4.00E-04	9.11E-04	1.31E-03
119	486733.18, 3855943.15	0.01018	0.02262	1.55E-03	3.58E-03	1.46E-03	1.49E-03	1.41E-03	4.10E-04	9.10E-04	1.32E-03	4.00E-04	8.88E-04	1.29E-03	3.94E-04	8.76E-04	1.27E-03
120	486783.18, 3855943.15	0.01008	0.02191	1.53E-03	3.47E-03	1.44E-03	1.48E-03	1.39E-03	4.06E-04	8.82E-04	1.29E-03	3.96E-04	8.60E-04	1.26E-03	3.91E-04	8.49E-04	1.24E-03
121	486533.18, 3855993.15	0.01103	0.02841	1.68E-03	4.50E-03	1.58E-03	1.62E-03	1.53E-03	4.44E-04	1.14E-03	1.59E-03	4.33E-04	1.12E-03	1.55E-03	4.27E-04	1.10E-03	1.53E-03
122	486583.18, 3855993.15	0.01088	0.02708	1.65E-03	4.29E-03	1.56E-03	1.60E-03	1.50E-03	4.38E-04	1.09E-03	1.53E-03	4.27E-04	1.06E-03	1.49E-03	4.22E-04	1.05E-03	1.47E-03
123	486633.18, 3855993.15	0.01072	0.02586	1.63E-03	4.09E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	1.04E-03	1.47E-03	4.21E-04	1.02E-03	1.44E-03	4.15E-04	1.00E-03	1.42E-03
124	486683.18, 3855993.15	0.0106	0.02485	1.61E-03	3.93E-03	1.52E-03	1.55E-03	1.47E-03	4.27E-04	1.00E-03	1.43E-03	4.16E-04	9.76E-04	1.39E-03	4.11E-04	9.63E-04	1.37E-03
125	486733.18, 3855993.15	0.01045	0.02385	1.59E-03	3.78E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	9.60E-04	1.38E-03	4.10E-04	9.37E-04	1.35E-03	4.05E-04	9.24E-04	1.33E-03
126	486783.18, 3855993.15	0.01033	0.02299	1.57E-03	3.64E-03	1.48E-03	1.51E-03	1.43E-03	4.16E-04	9.25E-04	1.34E-03	4.06E-04	9.03E-04	1.31E-03	4.00E-04	8.91E-04	1.29E-03
127	486533.18, 3856043.15	0.01136	0.03045	1.73E-03	4.82E-03	1.63E-03	1.67E-03	1.57E-03	4.57E-04	1.23E-03	1.68E-03	4.46E-04	1.20E-03	1.64E-03	4.40E-04	1.18E-03	1.62E-03
128	486583.18, 3856043.15	0.01121	0.02898	1.70E-03	4.59E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	1.17E-03	1.62E-03	4.40E-04	1.14E-03	1.58E-03	4.34E-04	1.12E-03	1.56E-03

129	486633.18, 3856043.15	0.01102	0.02753	1.67E-03	4.36E-03	1.58E-03	1.62E-03	1.52E-03	4.43E-04	1.11E-03	1.55E-03	4.33E-04	1.08E-03	1.51E-03	4.27E-04	1.07E-03	1.49E-03
130	486683.18, 3856043.15	0.0109	0.02638	1.66E-03	4.18E-03	1.56E-03	1.60E-03	1.51E-03	4.39E-04	1.06E-03	1.50E-03	4.28E-04	1.04E-03	1.46E-03	4.22E-04	1.02E-03	1.44E-03
131	486733.18, 3856043.15	0.01073	0.02522	1.63E-03	3.99E-03	1.54E-03	1.57E-03	1.48E-03	4.32E-04	1.01E-03	1.45E-03	4.21E-04	9.90E-04	1.41E-03	4.16E-04	9.77E-04	1.39E-03
132	486783.18, 3856043.15	0.01063	0.02431	1.62E-03	3.85E-03	1.52E-03	1.56E-03	1.47E-03	4.28E-04	9.78E-04	1.41E-03	4.17E-04	9.55E-04	1.37E-03	4.12E-04	9.42E-04	1.35E-03
133	486533.18, 3856093.15	0.01173	0.03296	1.78E-03	5.22E-03	1.68E-03	1.72E-03	1.62E-03	4.72E-04	1.33E-03	1.80E-03	4.61E-04	1.29E-03	1.75E-03	4.55E-04	1.28E-03	1.73E-03
134	486583.18, 3856093.15	0.01154	0.03113	1.75E-03	4.93E-03	1.65E-03	1.69E-03	1.60E-03	4.64E-04	1.25E-03	1.72E-03	4.53E-04	1.22E-03	1.68E-03	4.47E-04	1.21E-03	1.65E-03
135	486633.18, 3856093.15	0.01135	0.02949	1.72E-03	4.67E-03	1.62E-03	1.66E-03	1.57E-03	4.57E-04	1.19E-03	1.64E-03	4.46E-04	1.16E-03	1.60E-03	4.40E-04	1.14E-03	1.58E-03
136	486683.18, 3856093.15	0.01121	0.02812	1.70E-03	4.45E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	1.13E-03	1.58E-03	4.40E-04	1.10E-03	1.54E-03	4.34E-04	1.09E-03	1.52E-03
137	486733.18, 3856093.15	0.01104	0.02683	1.68E-03	4.25E-03	1.58E-03	1.62E-03	1.53E-03	4.44E-04	1.08E-03	1.52E-03	4.34E-04	1.05E-03	1.49E-03	4.28E-04	1.04E-03	1.47E-03
138	486783.18, 3856093.15	0.01091	0.02573	1.66E-03	4.07E-03	1.56E-03	1.60E-03	1.51E-03	4.39E-04	1.04E-03	1.47E-03	4.28E-04	1.01E-03	1.44E-03	4.23E-04	9.97E-04	1.42E-03
139	486533.18, 3856143.15	0.01209	0.03584	1.84E-03	5.67E-03	1.73E-03	1.77E-03	1.67E-03	4.87E-04	1.44E-03	1.93E-03	4.75E-04	1.41E-03	1.88E-03	4.68E-04	1.39E-03	1.86E-03
140	486583.18, 3856143.15	0.01187	0.03359	1.80E-03	5.32E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	1.35E-03	1.83E-03	4.66E-04	1.32E-03	1.79E-03	4.60E-04	1.30E-03	1.76E-03
141	486633.18, 3856143.15	0.0117	0.03178	1.78E-03	5.03E-03	1.67E-03	1.72E-03	1.62E-03	4.71E-04	1.28E-03	1.75E-03	4.59E-04	1.25E-03	1.71E-03	4.53E-04	1.23E-03	1.68E-03
142	486683.18, 3856143.15	0.01152	0.03013	1.75E-03	4.77E-03	1.65E-03	1.69E-03	1.59E-03	4.64E-04	1.21E-03	1.68E-03	4.52E-04	1.18E-03	1.64E-03	4.46E-04	1.17E-03	1.61E-03
143	486733.18, 3856143.15	0.01136	0.02866	1.73E-03	4.54E-03	1.63E-03	1.67E-03	1.57E-03	4.57E-04	1.15E-03	1.61E-03	4.46E-04	1.13E-03	1.57E-03	4.40E-04	1.11E-03	1.55E-03
144	486783.18, 3856143.15	0.01125	0.0275	1.71E-03	4.35E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	1.11E-03	1.56E-03	4.42E-04	1.08E-03	1.52E-03	4.36E-04	1.07E-03	1.50E-03
145	486533.18, 3856193.15	0.01249	0.03954	1.90E-03	6.26E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	1.59E-03	2.09E-03	4.90E-04	1.55E-03	2.04E-03	4.84E-04	1.53E-03	2.02E-03
146	486583.18, 3856193.15	0.01224	0.03669	1.86E-03	5.81E-03	1.75E-03	1.79E-03	1.69E-03	4.93E-04	1.48E-03	1.97E-03	4.81E-04	1.44E-03	1.92E-03	4.74E-04	1.42E-03	1.90E-03
147	486633.18, 3856193.15	0.01205	0.03448	1.83E-03	5.46E-03	1.73E-03	1.77E-03	1.67E-03	4.85E-04	1.39E-03	1.87E-03	4.73E-04	1.35E-03	1.83E-03	4.67E-04	1.34E-03	1.80E-03
148	486683.18, 3856193.15	0.0119	0.03265	1.81E-03	5.17E-03	1.70E-03	1.74E-03	1.65E-03	4.79E-04	1.31E-03	1.79E-03	4.67E-04	1.28E-03	1.75E-03	4.61E-04	1.27E-03	1.73E-03
149	486733.18, 3856193.15	0.01171	0.03086	1.78E-03	4.89E-03	1.68E-03	1.72E-03	1.62E-03	4.71E-04	1.24E-03	1.71E-03	4.60E-04	1.21E-03	1.67E-03	4.54E-04	1.20E-03	1.65E-03
150	486783.18, 3856193.15	0.01159	0.02941	1.76E-03	4.66E-03	1.66E-03	1.70E-03	1.60E-03	4.66E-04	1.18E-03	1.65E-03	4.55E-04	1.15E-03	1.61E-03	4.49E-04	1.14E-03	1.59E-03
151	486533.18, 3856243.15	0.01289	0.04393	1.96E-03	6.96E-03	1.85E-03	1.89E-03	1.78E-03	5.19E-04	1.77E-03	2.29E-03	5.06E-04	1.73E-03	2.23E-03	4.99E-04	1.70E-03	2.20E-03
152	486583.18, 3856243.15	0.01266	0.04055	1.92E-03	6.42E-03	1.81E-03	1.86E-03	1.75E-03	5.09E-04	1.63E-03	2.14E-03	4.97E-04	1.59E-03	2.09E-03	4.91E-04	1.57E-03	2.06E-03
153	486633.18, 3856243.15	0.01244	0.03772	1.89E-03	5.97E-03	1.78E-03	1.82E-03	1.72E-03	5.01E-04	1.52E-03	2.02E-03	4.89E-04	1.48E-03	1.97E-03	4.82E-04	1.46E-03	1.94E-03
154	486683.18, 3856243.15	0.01225	0.03533	1.86E-03	5.59E-03	1.75E-03	1.80E-03	1.69E-03	4.93E-04	1.42E-03	1.91E-03	4.81E-04	1.39E-03	1.87E-03	4.75E-04	1.37E-03	1.84E-03
155	486733.18, 3856243.15	0.0121	0.03331	1.84E-03	5.27E-03	1.73E-03	1.77E-03	1.67E-03	4.87E-04	1.34E-03	1.83E-03	4.75E-04	1.31E-03	1.78E-03	4.69E-04	1.29E-03	1.76E-03
156	486783.18, 3856243.15	0.01192	0.03147	1.81E-03	4.98E-03	1.71E-03	1.75E-03	1.65E-03	4.80E-04	1.27E-03	1.75E-03	4.68E-04	1.24E-03	1.70E-03	4.62E-04	1.22E-03	1.68E-03
157	486533.18, 3856293.15	0.01333	0.04931	2.03E-03	7.81E-03	1.91E-03	1.95E-03	1.84E-03	5.36E-04	1.98E-03	2.52E-03	5.23E-04	1.94E-03	2.46E-03	5.17E-04	1.91E-03	2.43E-03
158	486583.18, 3856293.15	0.01307	0.04496	1.99E-03	7.12E-03	1.87E-03	1.92E-03	1.81E-03	5.26E-04	1.81E-03	2.34E-03	5.13E-04	1.77E-03	2.28E-03	5.06E-04	1.74E-03	2.25E-03
159	486633.18, 3856293.15	0.01285	0.04144	1.95E-03	6.56E-03	1.84E-03	1.88E-03	1.78E-03	5.17E-04	1.67E-03	2.18E-03	5.05E-04	1.63E-03	2.13E-03	4.98E-04	1.61E-03	2.10E-03
160	486683.18, 3856293.15	0.01264	0.03851	1.92E-03	6.10E-03	1.81E-03	1.85E-03	1.75E-03	5.09E-04	1.55E-03	2.06E-03	4.96E-04	1.51E-03	2.01E-03	4.90E-04	1.49E-03	1.98E-03
161	486733.18, 3856293.15	0.01249	0.0361	1.90E-03	5.72E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	1.45E-03	1.96E-03	4.90E-04	1.42E-03	1.91E-03	4.84E-04	1.40E-03	1.88E-03
162	486783.18, 3856293.15	0.0123	0.0339	1.87E-03	5.37E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	1.36E-03	1.86E-03	4.83E-04	1.33E-03	1.81E-03	4.77E-04	1.31E-03	1.79E-03
163	486783.18, 3856343.15	0.01272	0.03675	1.93E-03	5.82E-03	1.82E-03	1.87E-03	1.76E-03	5.12E-04	1.48E-03	1.99E-03	5.00E-04	1.44E-03	1.94E-03	4.93E-04	1.42E-03	1.92E-03
164	486833.18, 3856343.15	0.01254	0.03447	1.91E-03	5.46E-03	1.80E-03	1.84E-03	1.73E-03	5.05E-04	1.39E-03	1.89E-03	4.92E-04	1.35E-03	1.85E-03	4.86E-04	1.34E-03	1.82E-03
165	486883.18, 3856343.15	0.01238	0.03248	1.88E-03	5.14E-03	1.77E-03	1.82E-03	1.71E-03	4.98E-04	1.31E-03	1.81E-03	4.86E-04	1.28E-03	1.76E-03	4.80E-04	1.26E-03	1.74E-03
166	486783.18, 3856393.15	0.01311	0.03986	1.99E-03	6.31E-03	1.88E-03	1.92E-03	1.81E-03	5.28E-04	1.60E-03	2.13E-03	5.15E-04	1.57E-03	2.08E-03	5.08E-04	1.54E-03	2.05E-03
167	486833.18, 3856393.15	0.01292	0.03715	1.96E-03	5.88E-03	1.85E-03	1.89E-03	1.79E-03	5.20E-04	1.50E-03	2.01E-03	5.07E-04	1.46E-03	1.97E-03	5.01E-04	1.44E-03	1.94E-03
168	486883.18, 3856393.15	0.01272	0.03476	1.93E-03	5.50E-03	1.82E-03	1.87E-03	1.76E-03	5.12E-04	1.40E-03	1.91E-03	5.00E-04	1.37E-03	1.86E-03	4.93E-04	1.35E-03	1.84E-03
169	487208.74, 3856886.11	0.01576	0.04669	2.39E-03	7.39E-03	2.26E-03	2.31E-03	2.18E-03	6.34E-04	1.88E-03	2.51E-03	6.19E-04	1.83E-03	2.45E-03	6.11E-04	1.81E-03	2.42E-03
170	487258.74, 3856886.11	0.01546	0.04282	2.35E-03	6.78E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	1.72E-03	2.35E-03	6.07E-04	1.68E-03	2.29E-03	5.99E-04	1.66E-03	2.26E-03
171	487308.74, 3856886.11	0.01519	0.03958	2.31E-03	6.27E-03	2.17E-03	2.23E-03	2.10E-03	6.11E-04	1.59E-03	2.20E-03	5.97E-04	1.55E-03	2.15E-03	5.89E-04	1.53E-03	2.12E-03
172	487358.74, 3856886.11	0.01491	0.03684	2.27E-03	5.83E-03	2.13E-03	2.19E-03	2.06E-03	6.00E-04	1.48E-03	2.08E-03	5.86E-04	1.45E-03	2.03E-03	5.78E-04	1.43E-03	2.01E-03
173	487208.74, 3856936.11	0.01634	0.05171	2.48E-03	8.19E-03	2.34E-03	2.40E-03	2.26E-03	6.58E-04	2.08E-03	2.74E-03	6.42E-04	2.03E-03	2.67E-03	6.33E-04	2.00E-03	2.64E-03
174	487258.74, 3856936.11	0.01602	0.04695	2.43E-03	7.43E-03	2.29E-03	2.35E-03	2.22E-03	6.45E-04	1.89E-03	2.53E-03	6.29E-04	1.84E-03	2.47E-03	6.21E-04	1.82E-03	2.44E-03
175	487308.74, 3856936.11	0.01573	0.04302	2.39E-03	6.81E-03	2.25E-03	2.31E-03	2.18E-03	6.33E-04	1.73E-03	2.36E-03	6.18E-04	1.69E-03	2.31E-03	6.10E-04	1.67E-03	2.28E-03
176	487358.74, 3856936.11	0.01545	0.03975	2.35E-03	6.29E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	1.60E-03	2.22E-03	6.07E-04	1.56E-03	2.17E-03	5.99E-04	1.54E-03	2.14E-03
177	487208.74, 3856986.11	0.01696	0.05804	2.58E-03	9.19E-03	2.43E-03	2.49E-03	2.35E-03	6.83E-04	2.34E-03	3.02E-03	6.66E-04	2.28E-03	2.95E-03	6.57E-04	2.25E-03	2.91E-03
178	487258.74, 3856986.11	0.01666	0.052	2.53E-03	8.23E-03	2.39E-03	2.44E-03	2.30E-03	6.70E-04	2.09E-03	2.76E-03	6.54E-04	2.04E-03	2.70E-03	6.46E-04	2.01E-03	2.66E-03
179	487308.74, 3856986.11	0.01631	0.04721	2.48E-03	7.47E-03	2.33E-03	2.39E-03	2.26E-03	6.56E-04	1.90E-03	2.56E-03	6.40E-04	1.85E-03	2.49E-03	6.32E-04	1.83E-03	2.46E-03
180	487358.74, 3856986.11	0.01603	0.04324	2.44E-03	6.85E-03	2.29E-03	2.35E-03	2.22E-03	6.45E-04	1.74E-03	2.39E-03	6.29E-04	1.70E-03	2.33E-03	6.21E-04	1.68E-03	2.30E-03
181	487208.74, 3857036.11	0.01763	0.06628	2.68E-03	1.05E-02	2.52E-03	2.59E-03	2.44E-03	7.09E-04	2.67E-03	3.38E-03	6.92E-04	2.60E-03	3.30E-03	6.83E-04	2.57E-03	3.25E-03
182	487258.74, 3857036.11	0.01728	0.05845	2.63E-03	9.25E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	2.35E-03	3.05E-03	6.79E-04	2.30E-03	2.97E-03	6.70E-04	2.26E-03	2.93E-03
183	487308.74, 3857036.11	0.01696	0.05232	2.58E-03	8.28E-03	2.43E-03	2.49E-03	2.35E-03	6.83E-04	2.11E-03	2.79E-03	6.66E-04	2.05E-03	2.72E-03	6.57E-04	2.03E-03	2.68E-03
184	487358.74, 3857036.11	0.01664	0.04743	2.53E-03	7.51E-03	2.38E-03	2.44E-03	2.30E-03	6.70E-04	1.91E-03	2.58E-03	6.53E-04	1.86E-03	2.52E-03	6.45E-04	1.84E-03	2.48E-03
185	487427.14, 3856878.23	0.01454	0.03333	2.21E-03	5.28E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	1.34E-03	1.93E-03	5.71E-04	1.31E-03	1.88E-03	5.63E-04	1.29E-03	1.85E-03
186	487477.14, 3856878.23	0.01432	0.03141	2.18E-03	4.97E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	1.26E-03	1.84E-03	5.62E-04	1.23E-03	1.80E-03	5.55E-04	1.22E-03	1.77E-03
187	487527.14, 3856878.23	0.0141	0.02973	2.14E-03	4.71E-03	2.02E-03	2.07E-03	1.95E-03	5.67E-04	1.20E-03	1.76E-03	5.54E-04	1.17E-03	1.72E-03	5.46E-04	1.15E-03	1.70E-03
188	487427.14, 3856928.23	0.01503	0.03564	2.28E-03	5.64E-03	2.15E-03	2.20E-03	2.08E-03	6.05E-04	1.43E-03	2.04E-03	5.90E-04	1.40E-03	1.99E-03	5.82E-04	1.38E-03	1.96E-03
189	487477.14, 3856928.23	0.01477	0.03344	2.24E-03	5.29E-03	2.11E-03	2.17E-03	2.04E-03	5.94E-04	1.35E-03	1.94E-03	5.80E-04	1.31E-03	1.89E-03	5.72E-04	1.30E-03	1.87E-03
190	487527.14, 3856928.23	0.01454	0.03151	2.21E-03	4.99E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	1.27E-03	1.85E-03	5.71E-04	1.24E-03	1.81E-03	5.63E-04	1.22E-03	1.78E-03
191	487577.14, 3856928.23	0.01432	0.02981	2.18E-03	4.72E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	1.20E-03	1.78E-03	5.62E-04	1.17E-03	1.73E-03	5.55E-04	1.16E-03	1.71E-03
192	487627.14, 3856928.23	0.01409	0.0283	2.14E-03	4.48E-03	2.02E-03	2.07E-03	1.95E-03	5.67E-04	1.14E-03	1.71E-03	5.53E-04	1.11E-03	1.66E-03	5.46E-04	1.10E-03	1.64E-03
193	487677.14, 3856928.23	0.0139	0.02694	2.11E-03	4.27E-03	1.99E-03	2.04E-03	1.92E-03	5.59E-04	1.08E-03	1.64E-03	5.46E-04	1.06E-03	1.60E-03	5.39E-04	1.04E-03	1.58E-03
194	487727.14, 3856928.23	0.01373	0.02572	2.09E-03	4.07E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	1.04E-03	1.59E-03	5.39E-04	1.01E-03	1.55E-03	5.32E-04	9.97E-04	1.53E-03

195 487777.14, 3856928.23	0.01354	0.02462	2.06E-03	3.90E-03	1.94E-03	1.99E-03	1.87E-03	5.45E-04	9.91E-04	1.54E-03	5.32E-04	9.67E-04	1.50E-03	5.25E-04	9.54E-04	1.48E-03
196 487427.14, 3856978.23	0.01554	0.03838	2.36E-03	6.08E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	1.54E-03	2.17E-03	6.10E-04	1.51E-03	2.12E-03	6.02E-04	1.49E-03	2.09E-03
197 487477.14, 3856978.23	0.01528	0.03578	2.32E-03	5.67E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	1.44E-03	2.05E-03	6.00E-04	1.41E-03	2.01E-03	5.92E-04	1.39E-03	1.98E-03
198 487527.14, 3856978.23	0.01504	0.03355	2.29E-03	5.31E-03	2.15E-03	2.21E-03	2.08E-03	6.05E-04	1.35E-03	1.96E-03	5.91E-04	1.32E-03	1.91E-03	5.83E-04	1.30E-03	1.88E-03
199 487577.14, 3856978.23	0.0148	0.0316	2.25E-03	5.00E-03	2.12E-03	2.17E-03	2.05E-03	5.96E-04	1.27E-03	1.87E-03	5.81E-04	1.24E-03	1.82E-03	5.73E-04	1.22E-03	1.80E-03
200 487627.14, 3856978.23	0.01454	0.02989	2.21E-03	4.73E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	1.20E-03	1.79E-03	5.71E-04	1.17E-03	1.74E-03	5.63E-04	1.16E-03	1.72E-03
201 487677.14, 3856978.23	0.01434	0.02836	2.18E-03	4.49E-03	2.05E-03	2.10E-03	1.98E-03	5.77E-04	1.14E-03	1.72E-03	5.63E-04	1.11E-03	1.68E-03	5.56E-04	1.10E-03	1.65E-03
202 487727.14, 3856978.23	0.01406	0.02701	2.14E-03	4.28E-03	2.01E-03	2.06E-03	1.94E-03	5.66E-04	1.09E-03	1.65E-03	5.52E-04	1.06E-03	1.61E-03	5.45E-04	1.05E-03	1.59E-03
203 487777.14, 3856978.23	0.01396	0.02576	2.12E-03	4.08E-03	2.00E-03	2.05E-03	1.93E-03	5.62E-04	1.04E-03	1.60E-03	5.48E-04	1.01E-03	1.56E-03	5.41E-04	9.98E-04	1.54E-03
204 487427.14, 3857028.23	0.01612	0.04155	2.45E-03	6.58E-03	2.31E-03	2.36E-03	2.23E-03	6.49E-04	1.67E-03	2.32E-03	6.33E-04	1.63E-03	2.26E-03	6.25E-04	1.61E-03	2.23E-03
205 487477.14, 3857028.23	0.01584	0.0385	2.41E-03	6.10E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	1.55E-03	2.19E-03	6.22E-04	1.51E-03	2.13E-03	6.14E-04	1.49E-03	2.11E-03
206 487527.14, 3857028.23	0.01555	0.03589	2.36E-03	5.68E-03	2.23E-03	2.28E-03	2.15E-03	6.26E-04	1.44E-03	2.07E-03	6.11E-04	1.41E-03	2.02E-03	6.03E-04	1.39E-03	1.99E-03
207 487577.14, 3857028.23	0.0153	0.03364	2.32E-03	5.33E-03	2.19E-03	2.24E-03	2.12E-03	6.16E-04	1.35E-03	1.97E-03	6.01E-04	1.32E-03	1.92E-03	5.93E-04	1.30E-03	1.90E-03
208 487627.14, 3857028.23	0.01501	0.03169	2.28E-03	5.02E-03	2.15E-03	2.20E-03	2.08E-03	6.04E-04	1.28E-03	1.88E-03	5.89E-04	1.24E-03	1.83E-03	5.82E-04	1.23E-03	1.81E-03
209 487677.14, 3857028.23	0.01479	0.02996	2.25E-03	4.74E-03	2.12E-03	2.17E-03	2.05E-03	5.95E-04	1.21E-03	1.80E-03	5.81E-04	1.18E-03	1.76E-03	5.73E-04	1.16E-03	1.73E-03
210 487727.14, 3857028.23	0.0146	0.02842	2.22E-03	4.50E-03	2.09E-03	2.14E-03	2.02E-03	5.88E-04	1.14E-03	1.73E-03	5.73E-04	1.12E-03	1.69E-03	5.66E-04	1.10E-03	1.67E-03
211 487777.14, 3857028.23	0.01439	0.02704	2.19E-03	4.28E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	1.09E-03	1.67E-03	5.65E-04	1.06E-03	1.63E-03	5.58E-04	1.05E-03	1.61E-03
212 487427.14, 3857078.23	0.01674	0.04539	2.54E-03	7.19E-03	2.40E-03	2.45E-03	2.32E-03	6.74E-04	1.83E-03	2.50E-03	6.57E-04	1.78E-03	2.44E-03	6.49E-04	1.76E-03	2.41E-03
213 487477.14, 3857078.23	0.01641	0.04172	2.49E-03	6.61E-03	2.35E-03	2.41E-03	2.27E-03	6.60E-04	1.68E-03	2.34E-03	6.44E-04	1.64E-03	2.28E-03	6.36E-04	1.62E-03	2.25E-03
214 487527.14, 3857078.23	0.01612	0.03863	2.45E-03	6.12E-03	2.31E-03	2.36E-03	2.23E-03	6.49E-04	1.55E-03	2.20E-03	6.33E-04	1.52E-03	2.15E-03	6.25E-04	1.50E-03	2.12E-03
215 487577.14, 3857078.23	0.01583	0.03601	2.41E-03	5.70E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	1.45E-03	2.09E-03	6.22E-04	1.41E-03	2.04E-03	6.13E-04	1.40E-03	2.01E-03
216 487627.14, 3857078.23	0.01554	0.03375	2.36E-03	5.34E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	1.36E-03	1.98E-03	6.10E-04	1.33E-03	1.94E-03	6.02E-04	1.31E-03	1.91E-03
217 487677.14, 3857078.23	0.01529	0.03177	2.32E-03	5.03E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	1.28E-03	1.89E-03	6.00E-04	1.25E-03	1.85E-03	5.92E-04	1.23E-03	1.82E-03
218 487727.14, 3857078.23	0.01507	0.03003	2.29E-03	4.75E-03	2.16E-03	2.21E-03	2.08E-03	6.06E-04	1.21E-03	1.81E-03	5.92E-04	1.18E-03	1.77E-03	5.84E-04	1.16E-03	1.75E-03
219 487777.14, 3857078.23	0.01483	0.02848	2.25E-03	4.51E-03	2.12E-03	2.17E-03	2.05E-03	5.97E-04	1.15E-03	1.74E-03	5.82E-04	1.12E-03	1.70E-03	5.75E-04	1.10E-03	1.68E-03
220 487427.14, 3857128.23	0.01741	0.05007	2.65E-03	7.93E-03	2.49E-03	2.55E-03	2.41E-03	7.01E-04	2.01E-03	2.72E-03	6.84E-04	1.97E-03	2.65E-03	6.75E-04	1.94E-03	2.61E-03
221 487477.14, 3857128.23	0.01704	0.04561	2.59E-03	7.22E-03	2.44E-03	2.50E-03	2.36E-03	6.86E-04	1.84E-03	2.52E-03	6.69E-04	1.79E-03	2.46E-03	6.60E-04	1.77E-03	2.43E-03
222 487527.14, 3857128.23	0.01669	0.04192	2.54E-03	6.64E-03	2.39E-03	2.45E-03	2.31E-03	6.72E-04	1.69E-03	2.36E-03	6.55E-04	1.65E-03	2.30E-03	6.47E-04	1.62E-03	2.27E-03
223 487577.14, 3857128.23	0.01639	0.0388	2.49E-03	6.14E-03	2.35E-03	2.40E-03	2.27E-03	6.60E-04	1.56E-03	2.22E-03	6.44E-04	1.52E-03	2.17E-03	6.35E-04	1.50E-03	2.14E-03
224 487627.14, 3857128.23	0.01611	0.03614	2.45E-03	5.72E-03	2.31E-03	2.36E-03	2.23E-03	6.48E-04	1.45E-03	2.10E-03	6.33E-04	1.42E-03	2.05E-03	6.24E-04	1.40E-03	2.02E-03
225 487677.14, 3857128.23	0.01581	0.03387	2.40E-03	5.36E-03	2.26E-03	2.32E-03	2.19E-03	6.36E-04	1.36E-03	2.00E-03	6.21E-04	1.33E-03	1.95E-03	6.13E-04	1.31E-03	1.93E-03
226 487727.14, 3857128.23	0.01559	0.03185	2.37E-03	5.04E-03	2.23E-03	2.29E-03	2.16E-03	6.27E-04	1.28E-03	1.91E-03	6.12E-04	1.25E-03	1.86E-03	6.04E-04	1.23E-03	1.84E-03
227 487777.14, 3857128.23	0.01533	0.03011	2.33E-03	4.77E-03	2.19E-03	2.25E-03	2.12E-03	6.17E-04	1.21E-03	1.83E-03	6.02E-04	1.18E-03	1.78E-03	5.94E-04	1.17E-03	1.76E-03
228 488049.44, 3856539.39	0.01062	0.01612	1.61E-03	2.55E-03	1.52E-03	1.56E-03	1.47E-03	4.27E-04	6.49E-04	1.08E-03	4.17E-04	6.33E-04	1.05E-03	4.12E-04	6.25E-04	1.04E-03
229 488099.44, 3856539.39	0.0105	0.01575	1.60E-03	2.49E-03	1.50E-03	1.54E-03	1.45E-03	4.23E-04	6.34E-04	1.06E-03	4.12E-04	6.18E-04	1.03E-03	4.07E-04	6.10E-04	1.02E-03
230 488149.44, 3856539.39	0.0104	0.01541	1.58E-03	2.44E-03	1.49E-03	1.52E-03	1.44E-03	4.19E-04	6.20E-04	1.04E-03	4.08E-04	6.05E-04	1.01E-03	4.03E-04	5.97E-04	1.00E-03
231 488049.44, 3856589.39	0.01085	0.01651	1.65E-03	2.61E-03	1.55E-03	1.59E-03	1.50E-03	4.37E-04	6.64E-04	1.10E-03	4.26E-04	6.48E-04	1.07E-03	4.20E-04	6.40E-04	1.06E-03
232 488099.44, 3856589.39	0.01073	0.01612	1.63E-03	2.55E-03	1.54E-03	1.57E-03	1.48E-03	4.32E-04	6.49E-04	1.08E-03	4.21E-04	6.33E-04	1.05E-03	4.16E-04	6.25E-04	1.04E-03
233 488149.44, 3856589.39	0.01062	0.01576	1.61E-03	2.50E-03	1.52E-03	1.56E-03	1.47E-03	4.27E-04	6.34E-04	1.06E-03	4.17E-04	6.19E-04	1.04E-03	4.12E-04	6.11E-04	1.02E-03
234 488199.44, 3856589.39	0.0105	0.01541	1.60E-03	2.44E-03	1.50E-03	1.54E-03	1.45E-03	4.23E-04	6.20E-04	1.04E-03	4.12E-04	6.05E-04	1.02E-03	4.07E-04	5.97E-04	1.00E-03
235 488249.44, 3856589.39	0.01045	0.01509	1.59E-03	2.39E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	6.07E-04	1.03E-03	4.10E-04	5.93E-04	1.00E-03	4.05E-04	5.85E-04	9.90E-04
236 488049.44, 3856639.39	0.01108	0.01693	1.68E-03	2.68E-03	1.59E-03	1.62E-03	1.53E-03	4.46E-04	6.81E-04	1.13E-03	4.35E-04	6.65E-04	1.10E-03	4.29E-04	6.56E-04	1.09E-03
237 488099.44, 3856639.39	0.01096	0.01652	1.67E-03	2.62E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	6.65E-04	1.11E-03	4.30E-04	6.49E-04	1.08E-03	4.25E-04	6.40E-04	1.06E-03
238 488149.44, 3856639.39	0.01084	0.01613	1.65E-03	2.55E-03	1.55E-03	1.59E-03	1.50E-03	4.36E-04	6.49E-04	1.09E-03	4.26E-04	6.33E-04	1.06E-03	4.20E-04	6.25E-04	1.05E-03
239 488199.44, 3856639.39	0.01075	0.01577	1.63E-03	2.50E-03	1.54E-03	1.58E-03	1.49E-03	4.33E-04	6.35E-04	1.07E-03	4.22E-04	6.19E-04	1.04E-03	4.17E-04	6.11E-04	1.03E-03
240 488249.44, 3856639.39	0.01065	0.01542	1.62E-03	2.44E-03	1.52E-03	1.56E-03	1.47E-03	4.29E-04	6.21E-04	1.05E-03	4.18E-04	6.06E-04	1.02E-03	4.13E-04	5.98E-04	1.01E-03
241 488299.44, 3856639.39	0.01056	0.01509	1.60E-03	2.39E-03	1.51E-03	1.55E-03	1.46E-03	4.25E-04	6.07E-04	1.03E-03	4.15E-04	5.93E-04	1.01E-03	4.09E-04	5.85E-04	9.94E-04
242 488349.44, 3856639.39	0.01045	0.01478	1.59E-03	2.34E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	5.95E-04	1.02E-03	4.10E-04	5.80E-04	9.91E-04	4.05E-04	5.73E-04	9.78E-04
243 488399.44, 3856639.39	0.01038	0.01449	1.58E-03	2.29E-03	1.49E-03	1.52E-03	1.44E-03	4.18E-04	5.83E-04	1.00E-03	4.08E-04	5.69E-04	9.77E-04	4.02E-04	5.61E-04	9.64E-04
244 488099.44, 3856689.39	0.01121	0.01694	1.70E-03	2.68E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	6.82E-04	1.13E-03	4.40E-04	6.65E-04	1.11E-03	4.34E-04	6.56E-04	1.09E-03
245 488149.44, 3856689.39	0.01108	0.01653	1.68E-03	2.62E-03	1.59E-03	1.62E-03	1.53E-03	4.46E-04	6.65E-04	1.11E-03	4.35E-04	6.49E-04	1.08E-03	4.29E-04	6.41E-04	1.07E-03
246 488199.44, 3856689.39	0.01098	0.01614	1.67E-03	2.56E-03	1.57E-03	1.61E-03	1.52E-03	4.42E-04	6.50E-04	1.09E-03	4.31E-04	6.34E-04	1.06E-03	4.25E-04	6.25E-04	1.05E-03
247 488249.44, 3856689.39	0.01086	0.01577	1.65E-03	2.50E-03	1.55E-03	1.59E-03	1.50E-03	4.37E-04	6.35E-04	1.07E-03	4.26E-04	6.19E-04	1.05E-03	4.21E-04	6.11E-04	1.03E-03
248 488299.44, 3856689.39	0.01079	0.01543	1.64E-03	2.44E-03	1.54E-03	1.58E-03	1.49E-03	4.34E-04	6.21E-04	1.06E-03	4.24E-04	6.06E-04	1.03E-03	4.18E-04	5.98E-04	1.02E-03
249 488349.44, 3856689.39	0.01068	0.0151	1.62E-03	2.39E-03	1.53E-03	1.57E-03	1.48E-03	4.30E-04	6.08E-04	1.04E-03	4.19E-04	5.93E-04	1.01E-03	4.14E-04	5.85E-04	9.99E-04
250 488399.44, 3856689.39	0.01054	0.01478	1.60E-03	2.34E-03	1.51E-03	1.55E-03	1.46E-03	4.24E-04	5.95E-04	1.02E-03	4.14E-04	5.80E-04	9.94E-04	4.08E-04	5.73E-04	9.81E-04
251 488099.44, 3856739.39	0.01148	0.01739	1.74E-03	2.75E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	7.00E-04	1.16E-03	4.51E-04	6.83E-04	1.13E-03	4.45E-04	6.74E-04	1.12E-03
252 488149.44, 3856739.39	0.01133	0.01695	1.72E-03	2.68E-03	1.62E-03	1.66E-03	1.57E-03	4.56E-04	6.82E-04	1.14E-03	4.45E-04	6.66E-04	1.11E-03	4.39E-04	6.57E-04	1.10E-03
253 488199.44, 3856739.39	0.01124	0.01654	1.71E-03	2.62E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	6.66E-04	1.12E-03	4.41E-04	6.50E-04	1.09E-03	4.36E-04	6.41E-04	1.08E-03
254 488249.44, 3856739.39	0.01111	0.01615	1.69E-03	2.56E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	6.50E-04	1.10E-03	4.36E-04	6.34E-04	1.07E-03	4.30E-04	6.26E-04	1.06E-03
255 488299.44, 3856739.39	0.01096	0.01578	1.67E-03	2.50E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	6.35E-04	1.08E-03	4.30E-04	6.20E-04	1.05E-03	4.25E-04	6.11E-04	1.04E-03
256 488349.44, 3856739.39	0.0109	0.01543	1.66E-03	2.44E-03	1.56E-03	1.60E-03	1.51E-03	4.39E-04	6.21E-04	1.06E-03	4.28E-04	6.06E-04	1.03E-03	4.22E-04	5.98E-04	1.02E-03
257 488399.44, 3856739.39	0.01084	0.0151	1.65E-03	2.39E-03	1.55E-03	1.59E-03	1.50E-03	4.36E-04	6.08E-04	1.04E-03	4.26E-04	5.93E-04	1.02E-03	4.20E-04	5.85E-04	1.01E-03
258 487999.44, 3856789.39	0.01196	0.01894	1.82E-03	3.00E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	7.62E-04	1.24E-03	4.70E-04	7.44E-04	1.21E-03	4.63E-04	7.34E-04	1.20E-03
259 488049.44, 3856789.39	0.01183	0.01839	1.80E-03	2.91E-03	1.69E-03	1.73E-03	1.64E-03	4.76E-04	7.40E-04	1.22E-03	4.65E-04	7.22E-04	1.19E-03	4.58E-04	7.13E-04	1.17E-03
260 488099.44, 3856789.39	0.01173	0.01788	1.78E-03	2.83E-03	1.68E-03	1.72E-03	1.62E-03	4.72E-04	7.20E-04	1.19E-03	4.61E-04	7.02E-04	1.16E-03	4.55E-04	6.93E-04	1.15E-03

261 488149.44, 3856789.39	0.0116	0.01741	1.76E-03	2.76E-03	1.66E-03	1.70E-03	1.60E-03	4.67E-04	7.01E-04	1.17E-03	4.56E-04	6.84E-04	1.14E-03	4.49E-04	6.75E-04	1.12E-03
262 488199.44, 3856789.39	0.01149	0.01697	1.75E-03	2.69E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	6.83E-04	1.15E-03	4.51E-04	6.66E-04	1.12E-03	4.45E-04	6.58E-04	1.10E-03
263 488249.44, 3856789.39	0.01136	0.01655	1.73E-03	2.62E-03	1.63E-03	1.67E-03	1.57E-03	4.57E-04	6.66E-04	1.12E-03	4.46E-04	6.50E-04	1.10E-03	4.40E-04	6.41E-04	1.08E-03
264 488299.44, 3856789.39	0.01122	0.01616	1.70E-03	2.56E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	6.50E-04	1.10E-03	4.41E-04	6.35E-04	1.08E-03	4.35E-04	6.26E-04	1.06E-03
265 488349.44, 3856789.39	0.01115	0.01578	1.69E-03	2.50E-03	1.60E-03	1.63E-03	1.54E-03	4.49E-04	6.35E-04	1.08E-03	4.38E-04	6.20E-04	1.06E-03	4.32E-04	6.11E-04	1.04E-03
266 488399.44, 3856789.39	0.01107	0.01543	1.68E-03	2.44E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	6.21E-04	1.07E-03	4.35E-04	6.06E-04	1.04E-03	4.29E-04	5.98E-04	1.03E-03
267 487949.44, 3856839.39	0.01239	0.02019	1.88E-03	3.20E-03	1.77E-03	1.82E-03	1.71E-03	4.99E-04	8.13E-04	1.31E-03	4.87E-04	7.93E-04	1.28E-03	4.80E-04	7.82E-04	1.26E-03
268 487999.44, 3856839.39	0.01225	0.01955	1.86E-03	3.10E-03	1.75E-03	1.80E-03	1.69E-03	4.93E-04	7.87E-04	1.28E-03	4.81E-04	7.68E-04	1.25E-03	4.75E-04	7.58E-04	1.23E-03
269 488049.44, 3856839.39	0.01211	0.01896	1.84E-03	3.00E-03	1.73E-03	1.78E-03	1.67E-03	4.87E-04	7.63E-04	1.25E-03	4.76E-04	7.45E-04	1.22E-03	4.69E-04	7.35E-04	1.20E-03
270 488099.44, 3856839.39	0.01199	0.01842	1.82E-03	2.92E-03	1.72E-03	1.76E-03	1.66E-03	4.83E-04	7.41E-04	1.22E-03	4.71E-04	7.23E-04	1.19E-03	4.65E-04	7.14E-04	1.18E-03
271 488149.44, 3856839.39	0.01187	0.0179	1.80E-03	2.83E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	7.20E-04	1.20E-03	4.66E-04	7.03E-04	1.17E-03	4.60E-04	6.94E-04	1.15E-03
272 488199.44, 3856839.39	0.01176	0.01743	1.79E-03	2.76E-03	1.68E-03	1.72E-03	1.63E-03	4.73E-04	7.01E-04	1.17E-03	4.62E-04	6.84E-04	1.15E-03	4.56E-04	6.75E-04	1.13E-03
273 487949.44, 3856889.39	0.01268	0.02091	1.93E-03	3.31E-03	1.82E-03	1.86E-03	1.75E-03	5.10E-04	8.41E-04	1.35E-03	4.98E-04	8.21E-04	1.32E-03	4.91E-04	8.10E-04	1.30E-03
274 487999.44, 3856889.39	0.01257	0.02022	1.91E-03	3.20E-03	1.80E-03	1.84E-03	1.74E-03	5.06E-04	8.14E-04	1.32E-03	4.94E-04	7.94E-04	1.29E-03	4.87E-04	7.83E-04	1.27E-03
275 488049.44, 3856889.39	0.01239	0.01959	1.88E-03	3.10E-03	1.77E-03	1.82E-03	1.71E-03	4.99E-04	7.88E-04	1.29E-03	4.87E-04	7.69E-04	1.26E-03	4.80E-04	7.59E-04	1.24E-03
276 488099.44, 3856889.39	0.01228	0.01899	1.87E-03	3.01E-03	1.76E-03	1.80E-03	1.70E-03	4.94E-04	7.64E-04	1.26E-03	4.82E-04	7.46E-04	1.23E-03	4.76E-04	7.36E-04	1.21E-03
277 488635.86, 3857895.05	0.02125	0.02878	3.23E-03	4.56E-03	3.04E-03	3.12E-03	2.94E-03	8.55E-04	1.16E-03	2.01E-03	8.34E-04	1.13E-03	1.96E-03	8.23E-04	1.12E-03	1.94E-03
278 489137.64, 3857804.15	0.01598	0.01839	2.43E-03	2.91E-03	2.29E-03	2.34E-03	2.21E-03	6.43E-04	7.40E-04	1.38E-03	6.28E-04	7.22E-04	1.35E-03	6.19E-04	7.13E-04	1.33E-03
279 488617.32, 3857859.41	0.02069	0.0282	3.14E-03	4.46E-03	2.96E-03	3.03E-03	2.86E-03	8.33E-04	1.13E-03	1.97E-03	8.12E-04	1.11E-03	1.92E-03	8.02E-04	1.09E-03	1.89E-03
280 488667.32, 3857859.41	0.0202	0.02688	3.07E-03	4.26E-03	2.89E-03	2.96E-03	2.79E-03	8.13E-04	1.08E-03	1.89E-03	7.93E-04	1.06E-03	1.85E-03	7.83E-04	1.04E-03	1.82E-03
281 488717.32, 3857859.41	0.01973	0.02569	3.00E-03	4.07E-03	2.82E-03	2.89E-03	2.73E-03	7.94E-04	1.03E-03	1.83E-03	7.75E-04	1.01E-03	1.78E-03	7.65E-04	9.95E-04	1.76E-03
282 488767.32, 3857859.41	0.01933	0.02464	2.94E-03	3.90E-03	2.77E-03	2.83E-03	2.67E-03	7.78E-04	9.92E-04	1.77E-03	7.59E-04	9.68E-04	1.73E-03	7.49E-04	9.55E-04	1.70E-03
283 488617.32, 3857909.41	0.02175	0.0298	3.30E-03	4.72E-03	3.11E-03	3.19E-03	3.01E-03	8.75E-04	1.20E-03	2.07E-03	8.54E-04	1.17E-03	2.02E-03	8.43E-04	1.15E-03	2.00E-03
284 488667.32, 3857909.41	0.02128	0.02839	3.23E-03	4.50E-03	3.05E-03	3.12E-03	2.94E-03	8.56E-04	1.14E-03	2.00E-03	8.36E-04	1.11E-03	1.95E-03	8.25E-04	1.10E-03	1.92E-03
285 488717.32, 3857909.41	0.0207	0.02699	3.15E-03	4.27E-03	2.96E-03	3.04E-03	2.86E-03	8.33E-04	1.09E-03	1.92E-03	8.13E-04	1.06E-03	1.87E-03	8.02E-04	1.05E-03	1.85E-03
286 488767.32, 3857909.41	0.02025	0.02583	3.08E-03	4.09E-03	2.90E-03	2.97E-03	2.80E-03	8.15E-04	1.04E-03	1.85E-03	7.95E-04	1.01E-03	1.81E-03	7.85E-04	1.00E-03	1.79E-03
287 488417.32, 3857959.41	0.02563	0.04109	3.89E-03	6.51E-03	3.67E-03	3.76E-03	3.54E-03	1.03E-03	1.65E-03	2.69E-03	1.01E-03	1.61E-03	2.62E-03	9.93E-04	1.59E-03	2.59E-03
288 488467.32, 3857959.41	0.02491	0.03818	3.79E-03	6.05E-03	3.57E-03	3.65E-03	3.45E-03	1.00E-03	1.54E-03	2.54E-03	9.78E-04	1.50E-03	2.48E-03	9.65E-04	1.48E-03	2.44E-03
289 488517.32, 3857959.41	0.02424	0.03574	3.68E-03	5.66E-03	3.47E-03	3.55E-03	3.35E-03	9.75E-04	1.44E-03	2.41E-03	9.52E-04	1.40E-03	2.36E-03	9.39E-04	1.38E-03	2.32E-03
290 488567.32, 3857959.41	0.0236	0.03359	3.59E-03	5.32E-03	3.38E-03	3.46E-03	3.26E-03	9.50E-04	1.35E-03	2.30E-03	9.27E-04	1.32E-03	2.25E-03	9.14E-04	1.30E-03	2.22E-03
291 488617.32, 3857959.41	0.02297	0.03167	3.49E-03	5.01E-03	3.29E-03	3.37E-03	3.18E-03	9.24E-04	1.27E-03	2.20E-03	9.02E-04	1.24E-03	2.15E-03	8.90E-04	1.23E-03	2.12E-03
292 488667.32, 3857959.41	0.02237	0.02998	3.40E-03	4.75E-03	3.20E-03	3.28E-03	3.09E-03	9.00E-04	1.21E-03	2.11E-03	8.78E-04	1.18E-03	2.06E-03	8.67E-04	1.16E-03	2.03E-03
293 488717.32, 3857959.41	0.02182	0.02853	3.32E-03	4.52E-03	3.12E-03	3.20E-03	3.02E-03	8.78E-04	1.15E-03	2.03E-03	8.57E-04	1.12E-03	1.98E-03	8.45E-04	1.11E-03	1.95E-03
294 488767.32, 3857959.41	0.02128	0.02719	3.23E-03	4.31E-03	3.05E-03	3.12E-03	2.94E-03	8.56E-04	1.09E-03	1.95E-03	8.36E-04	1.07E-03	1.90E-03	8.25E-04	1.05E-03	1.88E-03
295 488417.32, 3858009.41	0.02736	0.04485	4.16E-03	7.10E-03	3.92E-03	4.01E-03	3.78E-03	1.10E-03	1.80E-03	2.91E-03	1.07E-03	1.76E-03	2.84E-03	1.06E-03	1.74E-03	2.80E-03
296 488467.32, 3858009.41	0.02655	0.04144	4.03E-03	6.56E-03	3.80E-03	3.89E-03	3.67E-03	1.07E-03	1.67E-03	2.74E-03	1.04E-03	1.63E-03	2.67E-03	1.03E-03	1.61E-03	2.63E-03
297 488517.32, 3858009.41	0.02578	0.03854	3.92E-03	6.10E-03	3.69E-03	3.78E-03	3.57E-03	1.04E-03	1.55E-03	2.59E-03	1.01E-03	1.51E-03	2.53E-03	9.99E-04	1.49E-03	2.49E-03
298 488567.32, 3858009.41	0.02507	0.03606	3.81E-03	5.71E-03	3.59E-03	3.68E-03	3.47E-03	1.01E-03	1.45E-03	2.46E-03	9.84E-04	1.42E-03	2.40E-03	9.71E-04	1.40E-03	2.37E-03
299 488617.32, 3858009.41	0.02432	0.03382	3.70E-03	5.35E-03	3.48E-03	3.57E-03	3.36E-03	9.79E-04	1.36E-03	2.34E-03	9.55E-04	1.33E-03	2.28E-03	9.42E-04	1.31E-03	2.25E-03
300 488667.32, 3858009.41	0.02363	0.03187	3.59E-03	5.05E-03	3.38E-03	3.46E-03	3.27E-03	9.51E-04	1.28E-03	2.23E-03	9.28E-04	1.25E-03	2.18E-03	9.16E-04	1.23E-03	2.15E-03
301 488717.32, 3858009.41	0.02301	0.0302	3.50E-03	4.78E-03	3.29E-03	3.37E-03	3.18E-03	9.26E-04	1.22E-03	2.14E-03	9.04E-04	1.19E-03	2.09E-03	8.92E-04	1.17E-03	2.06E-03
302 488767.32, 3858009.41	0.02242	0.02871	3.41E-03	4.55E-03	3.21E-03	3.29E-03	3.10E-03	9.02E-04	1.16E-03	2.06E-03	8.80E-04	1.13E-03	2.01E-03	8.69E-04	1.11E-03	1.98E-03
303 488417.32, 3858059.41	0.0294	0.04951	4.47E-03	7.84E-03	4.21E-03	4.31E-03	4.07E-03	1.18E-03	1.99E-03	3.18E-03	1.15E-03	1.94E-03	3.10E-03	1.14E-03	1.92E-03	3.06E-03
304 488467.32, 3858059.41	0.02845	0.04537	4.32E-03	7.18E-03	4.07E-03	4.17E-03	3.93E-03	1.14E-03	1.83E-03	2.97E-03	1.12E-03	1.78E-03	2.90E-03	1.10E-03	1.76E-03	2.86E-03
305 488517.32, 3858059.41	0.02755	0.04187	4.19E-03	6.63E-03	3.94E-03	4.04E-03	3.81E-03	1.11E-03	1.68E-03	2.79E-03	1.08E-03	1.64E-03	2.73E-03	1.07E-03	1.62E-03	2.69E-03
306 488567.32, 3858059.41	0.02671	0.03894	4.06E-03	6.17E-03	3.82E-03	3.92E-03	3.69E-03	1.07E-03	1.57E-03	2.64E-03	1.05E-03	1.53E-03	2.58E-03	1.03E-03	1.51E-03	2.54E-03
307 488617.32, 3858059.41	0.02593	0.0364	3.94E-03	5.76E-03	3.71E-03	3.80E-03	3.59E-03	1.04E-03	1.46E-03	2.51E-03	1.02E-03	1.43E-03	2.45E-03	1.00E-03	1.41E-03	2.42E-03
308 488667.32, 3858059.41	0.02513	0.03412	3.82E-03	5.40E-03	3.60E-03	3.68E-03	3.48E-03	1.01E-03	1.37E-03	2.38E-03	9.87E-04	1.34E-03	2.33E-03	9.74E-04	1.32E-03	2.30E-03
309 488417.32, 3858109.41	0.0316	0.05483	4.80E-03	8.68E-03	4.52E-03	4.63E-03	4.37E-03	1.27E-03	2.21E-03	3.48E-03	1.24E-03	2.15E-03	3.39E-03	1.22E-03	2.12E-03	3.35E-03
310 488467.32, 3858109.41	0.03055	0.04989	4.64E-03	7.90E-03	4.37E-03	4.48E-03	4.23E-03	1.23E-03	2.01E-03	3.24E-03	1.20E-03	1.96E-03	3.16E-03	1.18E-03	1.93E-03	3.12E-03
311 488517.32, 3858109.41	0.02957	0.04585	4.49E-03	7.26E-03	4.23E-03	4.34E-03	4.09E-03	1.19E-03	1.85E-03	3.04E-03	1.16E-03	1.80E-03	2.96E-03	1.15E-03	1.78E-03	2.92E-03
312 488567.32, 3858109.41	0.0286	0.04231	4.35E-03	6.70E-03	4.09E-03	4.19E-03	3.96E-03	1.15E-03	1.70E-03	2.85E-03	1.12E-03	1.66E-03	2.78E-03	1.11E-03	1.64E-03	2.75E-03
313 488617.32, 3858109.41	0.02771	0.03928	4.21E-03	6.22E-03	3.97E-03	4.06E-03	3.83E-03	1.12E-03	1.58E-03	2.70E-03	1.09E-03	1.54E-03	2.63E-03	1.07E-03	1.52E-03	2.60E-03
314 488667.32, 3858109.41	0.02677	0.03663	4.07E-03	5.80E-03	3.83E-03	3.93E-03	3.70E-03	1.08E-03	1.47E-03	2.55E-03	1.05E-03	1.44E-03	2.49E-03	1.04E-03	1.42E-03	2.46E-03
315 488769.93, 3858449.27	0.04258	0.05796	6.47E-03	9.18E-03	6.10E-03	6.24E-03	5.89E-03	1.71E-03	2.33E-03	4.05E-03	1.67E-03	2.28E-03	3.95E-03	1.65E-03	2.25E-03	3.90E-03
316 488819.93, 3858449.27	0.04027	0.05221	6.12E-03	8.27E-03	5.77E-03	5.90E-03	5.57E-03	1.62E-03	2.10E-03	3.72E-03	1.58E-03	2.05E-03	3.63E-03	1.56E-03	2.02E-03	3.58E-03
317 488819.93, 3858499.27	0.04476	0.05865	6.80E-03	9.29E-03	6.41E-03	6.56E-03	6.19E-03	1.80E-03	2.36E-03	4.16E-03	1.76E-03	2.30E-03	4.06E-03	1.73E-03	2.27E-03	4.01E-03
318 488869.93, 3858499.27	0.04219	0.05278	6.41E-03	8.36E-03	6.04E-03	6.19E-03	5.84E-03	1.70E-03	2.12E-03	3.82E-03	1.66E-03	2.07E-03	3.73E-03	1.63E-03	2.05E-03	3.68E-03
319 488869.93, 3858549.27	0.04716	0.0594	7.17E-03	9.40E-03	6.75E-03	6.91E-03	6.52E-03	1.90E-03	2.39E-03	4.29E-03	1.85E-03	2.33E-03	4.18E-03	1.83E-03	2.30E-03	4.13E-03
320 489438.17, 3859571.48	0.0233	0.02239	3.54E-03	3.55E-03	3.34E-03	3.42E-03	3.22E-03	9.38E-04	9.01E-04	1.84E-03	9.15E-04	8.79E-04	1.79E-03	9.03E-04	8.68E-04	1.77E-03
321 489488.17, 3859571.48	0.0255	0.02455	3.87E-03	3.89E-03	3.65E-03	3.74E-03	3.53E-03	1.03E-03	9.88E-04	2.01E-03	1.00E-03	9.64E-04	1.97E-03	9.88E-04	9.51E-04	1.94E-03
322 489538.17, 3859571.48	0.02818	0.0272	4.28E-03	4.31E-03	4.03E-03	4.13E-03	3.90E-03	1.13E-03	1.09E-03	2.23E-03	1.11E-03	1.07E-03	2.17E-03	1.09E-03	1.05E-03	2.15E-03
323 489588.17, 3859571.48	0.03146	0.03045	4.78E-03	4.82E-03	4.50E-03	4.61E-03	4.35E-03	1.27E-03	1.23E-03	2.49E-03	1.24E-03	1.20E-03	2.43E-03	1.22E-03	1.18E-03	2.40E-03
324 489438.17, 3859621.48	0.02012	0.01935	3.06E-03	3.06E-03	2.88E-03	2.95E-03	2.78E-03	8.10E-04	7.79E-04	1.59E-03	7.90E-04	7.60E-04	1.55E-03	7.80E-04	7.50E-04	1.53E-03
325 489488.17, 3859621.48	0.02169	0.0209	3.30E-03	3.31E-03	3.11E-03	3.18E-03	3.00E-03	8.73E-04	8.41E-04	1.71E-03	8.52E-04	8.21E-04	1.67E-03	8.40E-04	8.10E-04	1.65E-03
326 489538.17, 3859621.48	0.02356	0.02275	3.58E-03	3.60E-03	3.37E-03	3.45E-03	3.26E-03	9.48E-04	9.16E-04	1.86E-03	9.25E-04	8.93E-04	1.82E-03	9.13E-04	8.82E-04	1.79E-03

327 489588.17, 3859621.48	0.02586	0.02503	3.93E-03	3.96E-03	3.70E-03	3.79E-03	3.58E-03	1.04E-03	1.01E-03	2.05E-03	1.02E-03	9.83E-04	2.00E-03	1.00E-03	9.70E-04	1.97E-03
328 489238.17, 3859671.48	0.01426	0.01364	2.17E-03	2.16E-03	2.04E-03	2.09E-03	1.97E-03	5.74E-04	5.49E-04	1.12E-03	5.60E-04	5.36E-04	1.10E-03	5.53E-04	5.29E-04	1.08E-03
329 489288.17, 3859671.48	0.01497	0.01435	2.27E-03	2.27E-03	2.14E-03	2.20E-03	2.07E-03	6.02E-04	5.77E-04	1.18E-03	5.88E-04	5.64E-04	1.15E-03	5.80E-04	5.56E-04	1.14E-03
330 489338.17, 3859671.48	0.01579	0.01516	2.40E-03	2.40E-03	2.26E-03	2.32E-03	2.18E-03	6.35E-04	6.10E-04	1.25E-03	6.20E-04	5.95E-04	1.22E-03	6.12E-04	5.87E-04	1.20E-03
331 489388.17, 3859671.48	0.01674	0.0161	2.54E-03	2.55E-03	2.40E-03	2.45E-03	2.32E-03	6.74E-04	6.48E-04	1.32E-03	6.57E-04	6.32E-04	1.29E-03	6.49E-04	6.24E-04	1.27E-03
332 489438.17, 3859671.48	0.01776	0.01711	2.70E-03	2.71E-03	2.54E-03	2.60E-03	2.46E-03	7.15E-04	6.89E-04	1.40E-03	6.97E-04	6.72E-04	1.37E-03	6.88E-04	6.63E-04	1.35E-03
333 489488.17, 3859671.48	0.01899	0.01832	2.89E-03	2.90E-03	2.72E-03	2.78E-03	2.63E-03	7.64E-04	7.37E-04	1.50E-03	7.46E-04	7.19E-04	1.47E-03	7.36E-04	7.10E-04	1.45E-03
334 489538.17, 3859671.48	0.02038	0.0197	3.10E-03	3.12E-03	2.92E-03	2.99E-03	2.82E-03	8.20E-04	7.93E-04	1.61E-03	8.00E-04	7.74E-04	1.57E-03	7.90E-04	7.63E-04	1.55E-03
335 489588.17, 3859671.48	0.02201	0.02132	3.34E-03	3.38E-03	3.15E-03	3.23E-03	3.04E-03	8.86E-04	8.58E-04	1.74E-03	8.64E-04	8.37E-04	1.70E-03	8.53E-04	8.26E-04	1.68E-03
336 489238.17, 3859721.48	0.01312	0.01257	1.99E-03	1.99E-03	1.88E-03	1.92E-03	1.81E-03	5.28E-04	5.06E-04	1.03E-03	5.15E-04	4.94E-04	1.01E-03	5.08E-04	4.87E-04	9.95E-04
337 489288.17, 3859721.48	0.01374	0.0132	2.09E-03	2.09E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	5.31E-04	1.08E-03	5.40E-04	5.18E-04	1.06E-03	5.32E-04	5.11E-04	1.04E-03
338 489338.17, 3859721.48	0.0144	0.01386	2.19E-03	2.19E-03	2.06E-03	2.11E-03	1.99E-03	5.80E-04	5.58E-04	1.14E-03	5.65E-04	5.44E-04	1.11E-03	5.58E-04	5.37E-04	1.10E-03
339 489388.17, 3859721.48	0.01514	0.01459	2.30E-03	2.31E-03	2.17E-03	2.22E-03	2.09E-03	6.09E-04	5.87E-04	1.20E-03	5.95E-04	5.73E-04	1.17E-03	5.87E-04	5.65E-04	1.15E-03
340 489438.17, 3859721.48	0.01595	0.01539	2.42E-03	2.44E-03	2.28E-03	2.34E-03	2.21E-03	6.42E-04	6.19E-04	1.26E-03	6.26E-04	6.04E-04	1.23E-03	6.18E-04	5.96E-04	1.21E-03
341 489488.17, 3859721.48	0.01691	0.01634	2.57E-03	2.59E-03	2.42E-03	2.48E-03	2.34E-03	6.81E-04	6.58E-04	1.34E-03	6.64E-04	6.42E-04	1.31E-03	6.55E-04	6.33E-04	1.29E-03
342 489538.17, 3859721.48	0.01798	0.0174	2.73E-03	2.75E-03	2.57E-03	2.64E-03	2.49E-03	7.24E-04	7.00E-04	1.42E-03	7.06E-04	6.83E-04	1.39E-03	6.97E-04	6.74E-04	1.37E-03
343 489588.17, 3859721.48	0.01919	0.0186	2.92E-03	2.94E-03	2.75E-03	2.81E-03	2.65E-03	7.72E-04	7.49E-04	1.52E-03	7.54E-04	7.30E-04	1.48E-03	7.44E-04	7.21E-04	1.46E-03
344 489238.17, 3859771.48	0.01217	0.01168	1.85E-03	1.85E-03	1.74E-03	1.78E-03	1.68E-03	4.90E-04	4.70E-04	9.60E-04	4.78E-04	4.59E-04	9.37E-04	4.72E-04	4.53E-04	9.24E-04
345 489288.17, 3859771.48	0.01269	0.01221	1.93E-03	1.93E-03	1.82E-03	1.86E-03	1.76E-03	5.11E-04	4.91E-04	1.00E-03	4.98E-04	4.79E-04	9.78E-04	4.92E-04	4.73E-04	9.65E-04
346 489338.17, 3859771.48	0.01323	0.01275	2.01E-03	2.02E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	5.13E-04	1.05E-03	5.20E-04	5.01E-04	1.02E-03	5.13E-04	4.94E-04	1.01E-03
347 489388.17, 3859771.48	0.01384	0.01335	2.10E-03	2.11E-03	1.98E-03	2.03E-03	1.91E-03	5.57E-04	5.37E-04	1.09E-03	5.43E-04	5.24E-04	1.07E-03	5.36E-04	5.17E-04	1.05E-03
348 489438.17, 3859771.48	0.01449	0.014	2.20E-03	2.22E-03	2.07E-03	2.12E-03	2.00E-03	5.83E-04	5.63E-04	1.15E-03	5.69E-04	5.50E-04	1.12E-03	5.61E-04	5.42E-04	1.10E-03
349 489488.17, 3859771.48	0.01527	0.01478	2.32E-03	2.34E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	5.95E-04	1.21E-03	6.00E-04	5.80E-04	1.18E-03	5.92E-04	5.73E-04	1.16E-03
350 489538.17, 3859771.48	0.01611	0.01561	2.45E-03	2.47E-03	2.31E-03	2.36E-03	2.23E-03	6.48E-04	6.28E-04	1.28E-03	6.33E-04	6.13E-04	1.25E-03	6.24E-04	6.05E-04	1.23E-03
351 489588.17, 3859771.48	0.01703	0.01652	2.59E-03	2.62E-03	2.44E-03	2.50E-03	2.36E-03	6.85E-04	6.65E-04	1.35E-03	6.69E-04	6.49E-04	1.32E-03	6.60E-04	6.40E-04	1.30E-03
352 489238.17, 3859821.48	0.01136	0.01091	1.73E-03	1.73E-03	1.63E-03	1.67E-03	1.57E-03	4.57E-04	4.39E-04	8.96E-04	4.46E-04	4.28E-04	8.75E-04	4.40E-04	4.23E-04	8.63E-04
353 489288.17, 3859821.48	0.0118	0.01136	1.79E-03	1.80E-03	1.69E-03	1.73E-03	1.63E-03	4.75E-04	4.57E-04	9.32E-04	4.63E-04	4.46E-04	9.09E-04	4.57E-04	4.40E-04	8.97E-04
354 489338.17, 3859821.48	0.01226	0.01182	1.86E-03	1.87E-03	1.76E-03	1.80E-03	1.70E-03	4.93E-04	4.76E-04	9.69E-04	4.81E-04	4.64E-04	9.46E-04	4.75E-04	4.58E-04	9.33E-04
355 489388.17, 3859821.48	0.01276	0.01233	1.94E-03	1.95E-03	1.83E-03	1.87E-03	1.76E-03	5.14E-04	4.96E-04	1.01E-03	5.01E-04	4.84E-04	9.85E-04	4.94E-04	4.78E-04	9.72E-04
356 489438.17, 3859821.48	0.01333	0.0129	2.03E-03	2.04E-03	1.91E-03	1.95E-03	1.84E-03	5.36E-04	5.19E-04	1.06E-03	5.23E-04	5.07E-04	1.03E-03	5.17E-04	5.00E-04	1.02E-03
357 489488.17, 3859821.48	0.01394	0.01351	2.12E-03	2.14E-03	2.00E-03	2.04E-03	1.93E-03	5.61E-04	5.44E-04	1.10E-03	5.47E-04	5.31E-04	1.08E-03	5.40E-04	5.23E-04	1.06E-03
358 489538.17, 3859821.48	0.0146	0.01417	2.22E-03	2.24E-03	2.09E-03	2.14E-03	2.02E-03	5.88E-04	5.70E-04	1.16E-03	5.73E-04	5.56E-04	1.13E-03	5.66E-04	5.49E-04	1.11E-03
359 489588.17, 3859821.48	0.01532	0.01488	2.33E-03	2.36E-03	2.19E-03	2.25E-03	2.12E-03	6.17E-04	5.99E-04	1.22E-03	6.02E-04	5.84E-04	1.19E-03	5.94E-04	5.77E-04	1.17E-03
360 489238.17, 3859871.48	0.01066	0.01025	1.62E-03	1.62E-03	1.53E-03	1.56E-03	1.47E-03	4.29E-04	4.12E-04	8.41E-04	4.19E-04	4.03E-04	8.21E-04	4.13E-04	3.97E-04	8.10E-04
361 489288.17, 3859871.48	0.01103	0.01063	1.68E-03	1.68E-03	1.58E-03	1.62E-03	1.53E-03	4.44E-04	4.28E-04	8.72E-04	4.33E-04	4.17E-04	8.51E-04	4.27E-04	4.12E-04	8.39E-04
362 489338.17, 3859871.48	0.01142	0.01103	1.74E-03	1.75E-03	1.63E-03	1.67E-03	1.58E-03	4.60E-04	4.44E-04	9.03E-04	4.48E-04	4.33E-04	8.82E-04	4.43E-04	4.27E-04	8.70E-04
363 489388.17, 3859871.48	0.01186	0.01148	1.80E-03	1.82E-03	1.70E-03	1.74E-03	1.64E-03	4.77E-04	4.62E-04	9.39E-04	4.66E-04	4.51E-04	9.17E-04	4.60E-04	4.45E-04	9.04E-04
364 489438.17, 3859871.48	0.01234	0.01196	1.88E-03	1.89E-03	1.77E-03	1.81E-03	1.71E-03	4.97E-04	4.81E-04	9.78E-04	4.85E-04	4.70E-04	9.54E-04	4.78E-04	4.63E-04	9.42E-04
365 489488.17, 3859871.48	0.01282	0.01245	1.95E-03	1.97E-03	1.84E-03	1.88E-03	1.77E-03	5.16E-04	5.01E-04	1.02E-03	5.03E-04	4.89E-04	9.92E-04	4.97E-04	4.82E-04	9.79E-04
366 489538.17, 3859871.48	0.01336	0.01298	2.03E-03	2.06E-03	1.91E-03	1.96E-03	1.85E-03	5.38E-04	5.22E-04	1.06E-03	5.25E-04	5.10E-04	1.03E-03	5.18E-04	5.03E-04	1.02E-03
367 489588.17, 3859871.48	0.01393	0.01354	2.12E-03	2.14E-03	1.99E-03	2.04E-03	1.93E-03	5.61E-04	5.45E-04	1.11E-03	5.47E-04	5.32E-04	1.08E-03	5.40E-04	5.25E-04	1.06E-03
368 489238.17, 3859921.48	0.01007	0.00968	1.53E-03	1.53E-03	1.44E-03	1.48E-03	1.39E-03	4.05E-04	3.90E-04	7.95E-04	3.95E-04	3.80E-04	7.76E-04	3.90E-04	3.75E-04	7.65E-04
369 489288.17, 3859921.48	0.0104	0.01002	1.58E-03	1.59E-03	1.49E-03	1.52E-03	1.44E-03	4.19E-04	4.03E-04	8.22E-04	4.08E-04	3.93E-04	8.02E-04	4.03E-04	3.88E-04	7.91E-04
370 489338.17, 3859921.48	0.01073	0.01037	1.63E-03	1.64E-03	1.54E-03	1.57E-03	1.48E-03	4.32E-04	4.17E-04	8.49E-04	4.21E-04	4.07E-04	8.29E-04	4.16E-04	4.02E-04	8.18E-04
371 489388.17, 3859921.48	0.0111	0.01075	1.69E-03	1.70E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	4.33E-04	8.79E-04	4.36E-04	4.22E-04	8.58E-04	4.30E-04	4.17E-04	8.47E-04
372 489438.17, 3859921.48	0.01147	0.01113	1.74E-03	1.76E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	4.48E-04	9.09E-04	4.50E-04	4.37E-04	8.87E-04	4.44E-04	4.31E-04	8.76E-04
373 489488.17, 3859921.48	0.01186	0.01153	1.80E-03	1.83E-03	1.70E-03	1.74E-03	1.64E-03	4.77E-04	4.64E-04	9.41E-04	4.66E-04	4.53E-04	9.19E-04	4.60E-04	4.47E-04	9.06E-04
374 489538.17, 3859921.48	0.01229	0.01196	1.87E-03	1.89E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	4.81E-04	9.76E-04	4.83E-04	4.70E-04	9.52E-04	4.76E-04	4.63E-04	9.40E-04
375 489588.17, 3859921.48	0.0127	0.01237	1.93E-03	1.96E-03	1.82E-03	1.86E-03	1.76E-03	5.11E-04	4.98E-04	1.01E-03	4.99E-04	4.86E-04	9.84E-04	4.92E-04	4.79E-04	9.71E-04
376 489238.17, 3859971.48	0.00955	0.00919	1.45E-03	1.46E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	3.70E-04	7.54E-04	3.75E-04	3.61E-04	7.36E-04	3.70E-04	3.56E-04	7.26E-04
377 489288.17, 3859971.48	0.00982	0.00948	1.49E-03	1.50E-03	1.41E-03	1.44E-03	1.36E-03	3.95E-04	3.82E-04	7.77E-04	3.86E-04	3.72E-04	7.58E-04	3.81E-04	3.67E-04	7.48E-04
378 489338.17, 3859971.48	0.01012	0.00979	1.54E-03	1.55E-03	1.45E-03	1.48E-03	1.40E-03	4.07E-04	3.94E-04	8.01E-04	3.97E-04	3.84E-04	7.82E-04	3.92E-04	3.79E-04	7.71E-04
379 489388.17, 3859971.48	0.01042	0.0101	1.58E-03	1.60E-03	1.49E-03	1.53E-03	1.44E-03	4.19E-04	4.06E-04	8.26E-04	4.09E-04	3.97E-04	8.06E-04	4.04E-04	3.91E-04	7.95E-04
380 489438.17, 3859971.48	0.01066	0.01037	1.62E-03	1.64E-03	1.53E-03	1.56E-03	1.47E-03	4.29E-04	4.17E-04	8.46E-04	4.19E-04	4.07E-04	8.26E-04	4.13E-04	4.02E-04	8.15E-04
381 489488.17, 3859971.48	0.01081	0.01057	1.64E-03	1.67E-03	1.55E-03	1.59E-03	1.50E-03	4.35E-04	4.25E-04	8.60E-04	4.25E-04	4.15E-04	8.40E-04	4.19E-04	4.10E-04	8.28E-04
382 489538.17, 3859971.48	0.01097	0.01075	1.67E-03	1.70E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	4.33E-04	8.74E-04	4.31E-04	4.22E-04	8.53E-04	4.25E-04	4.17E-04	8.42E-04
383 489588.17, 3859971.48	0.01115	0.01094	1.69E-03	1.73E-03	1.60E-03	1.63E-03	1.54E-03	4.49E-04	4.40E-04	8.89E-04	4.38E-04	4.30E-04	8.67E-04	4.32E-04	4.24E-04	8.56E-04
384 483577.7, 3854071	0.02318	0.05454	3.52E-03	8.64E-03	3.32E-03	3.40E-03	3.21E-03	9.33E-04	2.19E-03	3.13E-03	9.10E-04	2.14E-03	3.05E-03	8.98E-04	2.11E-03	3.01E-03
385 483627.7, 3854071	0.02182	0.0497	3.32E-03	7.87E-03	3.12E-03	3.20E-03	3.02E-03	8.78E-04	2.00E-03	2.88E-03	8.57E-04	1.95E-03	2.81E-03	8.45E-04	1.93E-03	2.77E-03
386 483677.7, 3854071	0.02059	0.0456	3.13E-03	7.22E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	1.84E-03	2.66E-03	8.09E-04	1.79E-03	2.60E-03	7.98E-04	1.77E-03	2.56E-03
387 483727.7, 3854071	0.01948	0.04215	2.96E-03	6.67E-03	2.79E-03	2.86E-03	2.69E-03	7.84E-04	1.70E-03	2.48E-03	7.65E-04	1.66E-03	2.42E-03	7.55E-04	1.63E-03	2.39E-03
388 483777.7, 3854071	0.01832	0.03888	2.78E-03	6.16E-03	2.62E-03	2.69E-03	2.53E-03	7.37E-04	1.56E-03	2.30E-03	7.19E-04	1.53E-03	2.25E-03	7.10E-04	1.51E-03	2.22E-03
389 483577.7, 3854121	0.02338	0.06582	3.55E-03	1.04E-02	3.35E-03	3.43E-03	3.23E-03	9.41E-04	2.65E-03	3.59E-03	9.18E-04	2.58E-03	3.50E-03	9.06E-04	2.55E-03	3.46E-03
390 483627.7, 3854121	0.02184	0.0586	3.32E-03	9.28E-03	3.13E-03	3.20E-03	3.02E-03	8.79E-04	2.36E-03	3.24E-03	8.58E-04	2.30E-03	3.16E-03	8.46E-04	2.27E-03	3.12E-03
391 483677.7, 3854121	0.02039	0.05259	3.10E-03	8.33E-03	2.92E-03	2.99E-03	2.82E-03	8.21E-04	2.12E-03	2.94E-03	8.01E-04	2.07E-03	2.87E-03	7.90E-04	2.04E-03	2.83E-03
392 483727.7, 3854121	0.01908	0.04756	2.90E-03	7.53E-03	2.73E-03	2.80E-03	2.64E-03	7.68E-04	1.91E-03	2.68E-03	7.49E-04	1.87E-03	2.62E-03	7.39E-04	1.84E-03	2.58E-03

393 483777.7, 3854121	0.01807	0.04364	2.75E-03	6.91E-03	2.59E-03	2.65E-03	2.50E-03	7.27E-04	1.76E-03	2.48E-03	7.10E-04	1.71E-03	2.42E-03	7.00E-04	1.69E-03	2.39E-03
394 483577.7, 3854171	0.02326	0.08112	3.53E-03	1.28E-02	3.33E-03	3.41E-03	3.22E-03	9.36E-04	3.26E-03	4.20E-03	9.13E-04	3.19E-03	4.10E-03	9.01E-04	3.14E-03	4.04E-03
395 483627.7, 3854171	0.02149	0.07002	3.27E-03	1.11E-02	3.08E-03	3.15E-03	2.97E-03	8.65E-04	2.82E-03	3.68E-03	8.44E-04	2.75E-03	3.59E-03	8.33E-04	2.71E-03	3.55E-03
396 483677.7, 3854171	0.02008	0.06178	3.05E-03	9.78E-03	2.87E-03	2.94E-03	2.78E-03	8.08E-04	2.49E-03	3.29E-03	7.89E-04	2.43E-03	3.21E-03	7.78E-04	2.39E-03	3.17E-03
397 483727.7, 3854171	0.01892	0.05532	2.87E-03	8.76E-03	2.71E-03	2.77E-03	2.62E-03	7.61E-04	2.23E-03	2.99E-03	7.43E-04	2.17E-03	2.92E-03	7.33E-04	2.14E-03	2.88E-03
398 483777.7, 3854171	0.01785	0.04992	2.71E-03	7.90E-03	2.56E-03	2.62E-03	2.47E-03	7.18E-04	2.01E-03	2.73E-03	7.01E-04	1.96E-03	2.66E-03	6.92E-04	1.93E-03	2.63E-03
399 483827.7, 3854171	0.01671	0.04495	2.54E-03	7.12E-03	2.39E-03	2.45E-03	2.31E-03	6.72E-04	1.81E-03	2.48E-03	6.56E-04	1.77E-03	2.42E-03	6.47E-04	1.74E-03	2.39E-03
400 483877.7, 3854171	0.01591	0.04139	2.42E-03	6.55E-03	2.28E-03	2.33E-03	2.20E-03	6.40E-04	1.67E-03	2.31E-03	6.25E-04	1.63E-03	2.25E-03	6.16E-04	1.60E-03	2.22E-03
401 483727.7, 3854221	0.01886	0.06635	2.87E-03	1.05E-02	2.70E-03	2.77E-03	2.61E-03	7.59E-04	2.67E-03	3.43E-03	7.41E-04	2.61E-03	3.35E-03	7.31E-04	2.57E-03	3.30E-03
402 483777.7, 3854221	0.01773	0.05868	2.69E-03	9.29E-03	2.54E-03	2.60E-03	2.45E-03	7.14E-04	2.36E-03	3.07E-03	6.96E-04	2.30E-03	3.00E-03	6.87E-04	2.27E-03	2.96E-03
403 483827.7, 3854221	0.01701	0.0534	2.58E-03	8.45E-03	2.44E-03	2.49E-03	2.35E-03	6.85E-04	2.15E-03	2.83E-03	6.68E-04	2.10E-03	2.76E-03	6.59E-04	2.07E-03	2.73E-03
404 483877.7, 3854221	0.01605	0.04807	2.44E-03	7.61E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	1.93E-03	2.58E-03	6.30E-04	1.89E-03	2.52E-03	6.22E-04	1.86E-03	2.48E-03
405 489150.19, 3858726.45	0.04973	0.05356	7.56E-03	8.48E-03	7.12E-03	7.29E-03	6.88E-03	2.00E-03	2.16E-03	4.16E-03	1.95E-03	2.10E-03	4.06E-03	1.93E-03	2.08E-03	4.00E-03
406 489200.19, 3858726.45	0.04656	0.04918	7.07E-03	7.79E-03	6.67E-03	6.83E-03	6.44E-03	1.87E-03	1.98E-03	3.85E-03	1.83E-03	1.93E-03	3.76E-03	1.80E-03	1.91E-03	3.71E-03
407 489150.19, 3858776.45	0.05699	0.06215	8.66E-03	9.84E-03	8.16E-03	8.36E-03	7.88E-03	2.29E-03	2.50E-03	4.79E-03	2.24E-03	2.44E-03	4.68E-03	2.21E-03	2.41E-03	4.62E-03
408 489200.19, 3858776.45	0.05272	0.05614	8.01E-03	8.89E-03	7.55E-03	7.73E-03	7.29E-03	2.12E-03	2.26E-03	4.38E-03	2.07E-03	2.20E-03	4.27E-03	2.04E-03	2.18E-03	4.22E-03
409 488919.6, 3856400.76	0.00865	0.01128	1.31E-03	1.79E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	4.54E-04	8.02E-04	3.40E-04	4.43E-04	7.83E-04	3.35E-04	4.37E-04	7.72E-04
410 488919.6, 3856450.76	0.0088	0.01144	1.34E-03	1.81E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	4.60E-04	8.15E-04	3.46E-04	4.49E-04	7.95E-04	3.41E-04	4.43E-04	7.84E-04
411 488969.6, 3856450.76	0.00873	0.01128	1.33E-03	1.79E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	4.54E-04	8.05E-04	3.43E-04	4.43E-04	7.86E-04	3.38E-04	4.37E-04	7.75E-04
412 488919.6, 3856500.76	0.00896	0.01161	1.36E-03	1.84E-03	1.28E-03	1.31E-03	1.24E-03	3.61E-04	4.67E-04	8.28E-04	3.52E-04	4.56E-04	8.08E-04	3.47E-04	4.50E-04	7.97E-04
413 488969.6, 3856500.76	0.00889	0.01144	1.35E-03	1.81E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	4.60E-04	8.18E-04	3.49E-04	4.49E-04	7.98E-04	3.44E-04	4.43E-04	7.88E-04
414 488919.6, 3856550.76	0.00913	0.01178	1.39E-03	1.87E-03	1.31E-03	1.34E-03	1.26E-03	3.67E-04	4.74E-04	8.41E-04	3.59E-04	4.63E-04	8.21E-04	3.54E-04	4.56E-04	8.10E-04
415 488969.6, 3856550.76	0.00905	0.01161	1.38E-03	1.84E-03	1.30E-03	1.33E-03	1.25E-03	3.64E-04	4.67E-04	8.31E-04	3.55E-04	4.56E-04	8.11E-04	3.51E-04	4.50E-04	8.01E-04
416 488819.6, 3856600.76	0.00946	0.01233	1.44E-03	1.95E-03	1.35E-03	1.39E-03	1.31E-03	3.81E-04	4.96E-04	8.77E-04	3.71E-04	4.84E-04	8.56E-04	3.67E-04	4.78E-04	8.44E-04
417 488869.6, 3856600.76	0.00937	0.01214	1.42E-03	1.92E-03	1.34E-03	1.37E-03	1.30E-03	3.77E-04	4.89E-04	8.66E-04	3.68E-04	4.77E-04	8.45E-04	3.63E-04	4.70E-04	8.33E-04
418 488919.6, 3856600.76	0.0093	0.01195	1.41E-03	1.89E-03	1.33E-03	1.36E-03	1.29E-03	3.74E-04	4.81E-04	8.55E-04	3.65E-04	4.69E-04	8.34E-04	3.60E-04	4.63E-04	8.23E-04
419 488819.6, 3856650.76	0.00964	0.01252	1.46E-03	1.98E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	5.04E-04	8.92E-04	3.79E-04	4.92E-04	8.70E-04	3.74E-04	4.85E-04	8.59E-04
420 488869.6, 3856650.76	0.00955	0.01232	1.45E-03	1.95E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	4.96E-04	8.80E-04	3.75E-04	4.84E-04	8.59E-04	3.70E-04	4.77E-04	8.47E-04
421 488819.6, 3856700.76	0.00983	0.01273	1.49E-03	2.02E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	5.12E-04	9.08E-04	3.86E-04	5.00E-04	8.86E-04	3.81E-04	4.93E-04	8.74E-04
422 488869.6, 3856700.76	0.00973	0.01252	1.48E-03	1.98E-03	1.39E-03	1.43E-03	1.35E-03	3.92E-04	5.04E-04	8.95E-04	3.82E-04	4.92E-04	8.74E-04	3.77E-04	4.85E-04	8.62E-04
423 488819.6, 3856750.76	0.01002	0.01294	1.52E-03	2.05E-03	1.43E-03	1.47E-03	1.39E-03	4.03E-04	5.21E-04	9.24E-04	3.93E-04	5.08E-04	9.02E-04	3.88E-04	5.01E-04	8.90E-04
424 488869.6, 3856750.76	0.00993	0.01273	1.51E-03	2.02E-03	1.42E-03	1.46E-03	1.37E-03	4.00E-04	5.12E-04	9.12E-04	3.90E-04	5.00E-04	8.90E-04	3.85E-04	4.93E-04	8.78E-04
425 488819.6, 3857050.76	0.01137	0.01448	1.73E-03	2.29E-03	1.63E-03	1.67E-03	1.57E-03	4.58E-04	5.83E-04	1.04E-03	4.46E-04	5.69E-04	1.02E-03	4.41E-04	5.61E-04	1.00E-03
426 488869.6, 3857050.76	0.01126	0.0142	1.71E-03	2.25E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	5.71E-04	1.02E-03	4.42E-04	5.58E-04	1.00E-03	4.36E-04	5.50E-04	9.87E-04
427 488919.6, 3857050.76	0.01115	0.01393	1.69E-03	2.21E-03	1.60E-03	1.63E-03	1.54E-03	4.49E-04	5.61E-04	1.01E-03	4.38E-04	5.47E-04	9.85E-04	4.32E-04	5.40E-04	9.72E-04
428 488819.6, 3857100.76	0.01164	0.0148	1.77E-03	2.34E-03	1.67E-03	1.71E-03	1.61E-03	4.68E-04	5.96E-04	1.06E-03	4.57E-04	5.81E-04	1.04E-03	4.51E-04	5.73E-04	1.02E-03
429 488869.6, 3857100.76	0.01152	0.0145	1.75E-03	2.30E-03	1.65E-03	1.69E-03	1.59E-03	4.64E-04	5.84E-04	1.05E-03	4.52E-04	5.69E-04	1.02E-03	4.46E-04	5.62E-04	1.01E-03
430 488919.6, 3857100.76	0.01141	0.01421	1.73E-03	2.25E-03	1.63E-03	1.67E-03	1.58E-03	4.59E-04	5.72E-04	1.03E-03	4.48E-04	5.58E-04	1.01E-03	4.42E-04	5.51E-04	9.93E-04
431 488819.6, 3857150.76	0.01193	0.01514	1.81E-03	2.40E-03	1.71E-03	1.75E-03	1.65E-03	4.80E-04	6.09E-04	1.09E-03	4.68E-04	5.95E-04	1.06E-03	4.62E-04	5.87E-04	1.05E-03
432 488869.6, 3857150.76	0.0118	0.01482	1.79E-03	2.35E-03	1.69E-03	1.73E-03	1.63E-03	4.75E-04	5.96E-04	1.07E-03	4.63E-04	5.82E-04	1.05E-03	4.57E-04	5.74E-04	1.03E-03
433 488919.6, 3857150.76	0.01168	0.01452	1.77E-03	2.30E-03	1.67E-03	1.71E-03	1.62E-03	4.70E-04	5.84E-04	1.05E-03	4.59E-04	5.70E-04	1.03E-03	4.53E-04	5.63E-04	1.02E-03
434 488969.6, 3857150.76	0.01156	0.01423	1.76E-03	2.25E-03	1.65E-03	1.70E-03	1.60E-03	4.65E-04	5.73E-04	1.04E-03	4.54E-04	5.59E-04	1.01E-03	4.48E-04	5.51E-04	9.99E-04
435 488819.6, 3857200.76	0.01223	0.0155	1.86E-03	2.45E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	6.24E-04	1.12E-03	4.80E-04	6.09E-04	1.09E-03	4.74E-04	6.01E-04	1.07E-03
436 488869.6, 3857200.76	0.0121	0.01516	1.84E-03	2.40E-03	1.73E-03	1.77E-03	1.67E-03	4.87E-04	6.10E-04	1.10E-03	4.75E-04	5.95E-04	1.07E-03	4.69E-04	5.87E-04	1.06E-03
437 488919.6, 3857200.76	0.01197	0.01484	1.82E-03	2.35E-03	1.71E-03	1.76E-03	1.66E-03	4.82E-04	5.97E-04	1.08E-03	4.70E-04	5.83E-04	1.05E-03	4.64E-04	5.75E-04	1.04E-03
438 488969.6, 3857200.76	0.01184	0.01454	1.80E-03	2.30E-03	1.70E-03	1.74E-03	1.64E-03	4.76E-04	5.85E-04	1.06E-03	4.65E-04	5.71E-04	1.04E-03	4.59E-04	5.63E-04	1.02E-03
439 488819.6, 3857250.76	0.01255	0.01588	1.91E-03	2.51E-03	1.80E-03	1.84E-03	1.74E-03	5.05E-04	6.39E-04	1.14E-03	4.93E-04	6.24E-04	1.12E-03	4.86E-04	6.15E-04	1.10E-03
440 488869.6, 3857250.76	0.01241	0.01552	1.89E-03	2.46E-03	1.78E-03	1.82E-03	1.72E-03	4.99E-04	6.25E-04	1.12E-03	4.87E-04	6.09E-04	1.10E-03	4.81E-04	6.01E-04	1.08E-03
441 488919.6, 3857250.76	0.01227	0.01519	1.86E-03	2.41E-03	1.76E-03	1.80E-03	1.70E-03	4.94E-04	6.11E-04	1.11E-03	4.82E-04	5.97E-04	1.08E-03	4.75E-04	5.89E-04	1.06E-03
442 488969.6, 3857250.76	0.01214	0.01487	1.84E-03	2.35E-03	1.74E-03	1.78E-03	1.68E-03	4.89E-04	5.98E-04	1.09E-03	4.77E-04	5.84E-04	1.06E-03	4.70E-04	5.76E-04	1.05E-03
443 488819.6, 3857300.76	0.01289	0.01628	1.96E-03	2.58E-03	1.85E-03	1.89E-03	1.78E-03	5.19E-04	6.55E-04	1.17E-03	5.06E-04	6.39E-04	1.15E-03	4.99E-04	6.31E-04	1.13E-03
444 488869.6, 3857300.76	0.01274	0.01591	1.94E-03	2.52E-03	1.82E-03	1.87E-03	1.76E-03	5.13E-04	6.40E-04	1.15E-03	5.00E-04	6.25E-04	1.13E-03	4.94E-04	6.16E-04	1.11E-03
445 488919.6, 3857300.76	0.0126	0.01555	1.91E-03	2.46E-03	1.80E-03	1.85E-03	1.74E-03	5.07E-04	6.26E-04	1.13E-03	4.95E-04	6.11E-04	1.11E-03	4.88E-04	6.03E-04	1.09E-03
446 488819.6, 3857450.76	0.01404	0.01767	2.13E-03	2.80E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	7.11E-04	1.28E-03	5.51E-04	6.94E-04	1.25E-03	5.44E-04	6.85E-04	1.23E-03
447 488869.6, 3857450.76	0.01385	0.01721	2.10E-03	2.72E-03	1.98E-03	2.03E-03	1.92E-03	5.57E-04	6.93E-04	1.25E-03	5.44E-04	6.76E-04	1.22E-03	5.37E-04	6.67E-04	1.20E-03
448 488919.6, 3857450.76	0.01369	0.01679	2.08E-03	2.66E-03	1.96E-03	2.01E-03	1.89E-03	5.51E-04	6.76E-04	1.23E-03	5.38E-04	6.59E-04	1.20E-03	5.30E-04	6.51E-04	1.18E-03
449 488819.6, 3857500.76	0.01446	0.0182	2.20E-03	2.88E-03	2.07E-03	2.12E-03	2.00E-03	5.82E-04	7.32E-04	1.31E-03	5.68E-04	7.15E-04	1.28E-03	5.60E-04	7.05E-04	1.27E-03
450 488869.6, 3857500.76	0.01428	0.01771	2.17E-03	2.80E-03	2.04E-03	2.09E-03	1.98E-03	5.75E-04	7.13E-04	1.29E-03	5.61E-04	6.95E-04	1.26E-03	5.53E-04	6.86E-04	1.24E-03
451 488919.6, 3857500.76	0.0141	0.01726	2.14E-03	2.73E-03	2.02E-03	2.07E-03	1.95E-03	5.67E-04	6.95E-04	1.26E-03	5.54E-04	6.78E-04	1.23E-03	5.46E-04	6.69E-04	1.22E-03
452 488819.6, 3857550.76	0.01493	0.01877	2.27E-03	2.97E-03	2.14E-03	2.19E-03	2.06E-03	6.01E-04	7.55E-04	1.36E-03	5.86E-04	7.37E-04	1.32E-03	5.79E-04	7.27E-04	1.31E-03
453 488869.6, 3857550.76	0.01472	0.01825	2.24E-03	2.89E-03	2.11E-03	2.16E-03	2.04E-03	5.92E-04	7.34E-04	1.33E-03	5.78E-04	7.17E-04	1.29E-03	5.70E-04	7.07E-04	1.28E-03
454 488919.6, 3857550.76	0.01454	0.01776	2.21E-03	2.81E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	7.15E-04	1.30E-03	5.71E-04	6.97E-04	1.27E-03	5.63E-04	6.88E-04	1.25E-03
455 489663.71, 3860900.05	0.0055	0.00539	8.36E-04	8.53E-04	7.87E-04	8.06E-04	7.61E-04	2.21E-04	2.17E-04	4.38E-04	2.16E-04	2.12E-04	4.28E-04	2.13E-04	2.09E-04	4.22E-04
456 489813.71, 3860900.05	0.00576	0.00565	8.75E-04	8.95E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	2.27E-04	4.59E-04	2.26E-04	2.22E-04	4.48E-04	2.23E-04	2.19E-04	4.42E-04
457 489863.71, 3860900.05	0.00585	0.00574	8.89E-04	9.09E-04	8.37E-04	8.58E-04	8.09E-04	2.35E-04	2.31E-04	4.66E-04	2.30E-04	2.25E-04	4.55E-04	2.27E-04	2.22E-04	4.49E-04
458 489913.71, 3860900.05	0.00595	0.00585	9.04E-04	9.26E-04	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.35E-04	4.75E-04	2.34E-04	2.30E-04	4.63E-04	2.31E-04	2.27E-04	4.57E-04

459	489963.71, 3860900.05	0.00605	0.00594	9.19E-04	9.40E-04	8.66E-04	8.87E-04	8.37E-04	2.43E-04	2.39E-04	4.83E-04	2.38E-04	2.33E-04	4.71E-04	2.34E-04	2.30E-04	4.65E-04
460	490013.71, 3860900.05	0.00616	0.00605	9.36E-04	9.58E-04	8.82E-04	9.03E-04	8.52E-04	2.48E-04	2.43E-04	4.91E-04	2.42E-04	2.38E-04	4.79E-04	2.39E-04	2.34E-04	4.73E-04
461	490063.71, 3860900.05	0.00627	0.00616	9.53E-04	9.75E-04	8.98E-04	9.19E-04	8.67E-04	2.52E-04	2.48E-04	5.00E-04	2.46E-04	2.42E-04	4.88E-04	2.43E-04	2.39E-04	4.82E-04
462	489663.71, 3860950.05	0.00534	0.00525	8.11E-04	8.31E-04	7.64E-04	7.83E-04	7.39E-04	2.15E-04	2.11E-04	4.26E-04	2.10E-04	2.06E-04	4.16E-04	2.07E-04	2.03E-04	4.10E-04
463	489813.71, 3860950.05	0.00559	0.00549	8.49E-04	8.69E-04	8.00E-04	8.20E-04	7.73E-04	2.25E-04	2.21E-04	4.46E-04	2.20E-04	2.16E-04	4.35E-04	2.17E-04	2.13E-04	4.29E-04
464	489863.71, 3860950.05	0.00567	0.00557	8.62E-04	8.82E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.24E-04	4.52E-04	2.23E-04	2.19E-04	4.41E-04	2.20E-04	2.16E-04	4.36E-04
465	489913.71, 3860950.05	0.00576	0.00567	8.75E-04	8.98E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	2.28E-04	4.60E-04	2.26E-04	2.23E-04	4.49E-04	2.23E-04	2.20E-04	4.43E-04
466	489963.71, 3860950.05	0.00586	0.00576	8.90E-04	9.12E-04	8.39E-04	8.59E-04	8.10E-04	2.36E-04	2.32E-04	4.68E-04	2.30E-04	2.26E-04	4.56E-04	2.27E-04	2.23E-04	4.50E-04
467	490013.71, 3860950.05	0.00596	0.00586	9.06E-04	9.28E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.36E-04	4.76E-04	2.34E-04	2.30E-04	4.64E-04	2.31E-04	2.27E-04	4.58E-04
468	490063.71, 3860950.05	0.00606	0.00596	9.21E-04	9.44E-04	8.68E-04	8.89E-04	8.38E-04	2.44E-04	2.40E-04	4.84E-04	2.38E-04	2.34E-04	4.72E-04	2.35E-04	2.31E-04	4.66E-04
469	489513.71, 3861000.05	0.00501	0.00491	7.61E-04	7.77E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	1.98E-04	3.99E-04	1.97E-04	1.93E-04	3.90E-04	1.94E-04	1.90E-04	3.84E-04
470	489563.71, 3861000.05	0.00507	0.00497	7.70E-04	7.87E-04	7.26E-04	7.43E-04	7.01E-04	2.04E-04	2.00E-04	4.04E-04	1.99E-04	1.95E-04	3.94E-04	1.96E-04	1.93E-04	3.89E-04
471	489613.71, 3861000.05	0.00514	0.00504	7.81E-04	7.98E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	2.03E-04	4.10E-04	2.02E-04	1.98E-04	4.00E-04	1.99E-04	1.95E-04	3.94E-04
472	489663.71, 3861000.05	0.00521	0.00512	7.92E-04	8.11E-04	7.46E-04	7.64E-04	7.21E-04	2.10E-04	2.06E-04	4.16E-04	2.05E-04	2.01E-04	4.06E-04	2.02E-04	1.98E-04	4.00E-04
473	489713.71, 3861000.05	0.00528	0.00519	8.02E-04	8.22E-04	7.56E-04	7.74E-04	7.30E-04	2.12E-04	2.09E-04	4.21E-04	2.07E-04	2.04E-04	4.11E-04	2.05E-04	2.01E-04	4.06E-04
474	489763.71, 3861000.05	0.00535	0.00526	8.13E-04	8.33E-04	7.66E-04	7.84E-04	7.40E-04	2.15E-04	2.12E-04	4.27E-04	2.10E-04	2.07E-04	4.17E-04	2.07E-04	2.04E-04	4.11E-04
475	489813.71, 3861000.05	0.00543	0.00535	8.25E-04	8.47E-04	7.77E-04	7.96E-04	7.51E-04	2.19E-04	2.15E-04	4.34E-04	2.13E-04	2.10E-04	4.23E-04	2.10E-04	2.07E-04	4.18E-04
476	489863.71, 3861000.05	0.00551	0.00542	8.37E-04	8.58E-04	7.89E-04	8.08E-04	7.62E-04	2.22E-04	2.18E-04	4.40E-04	2.16E-04	2.13E-04	4.29E-04	2.14E-04	2.10E-04	4.24E-04
477	489913.71, 3861000.05	0.0056	0.00551	8.51E-04	8.72E-04	8.02E-04	8.21E-04	7.75E-04	2.25E-04	2.22E-04	4.47E-04	2.20E-04	2.16E-04	4.36E-04	2.17E-04	2.14E-04	4.30E-04
478	489963.71, 3861000.05	0.00568	0.00559	8.63E-04	8.85E-04	8.13E-04	8.33E-04	7.86E-04	2.29E-04	2.25E-04	4.54E-04	2.23E-04	2.20E-04	4.43E-04	2.20E-04	2.17E-04	4.37E-04
479	490013.71, 3861000.05	0.00578	0.00568	8.78E-04	8.99E-04	8.27E-04	8.48E-04	7.99E-04	2.33E-04	2.29E-04	4.61E-04	2.27E-04	2.23E-04	4.50E-04	2.24E-04	2.20E-04	4.44E-04
480	490063.71, 3861000.05	0.00587	0.00578	8.92E-04	9.15E-04	8.40E-04	8.61E-04	8.12E-04	2.36E-04	2.33E-04	4.69E-04	2.31E-04	2.27E-04	4.57E-04	2.27E-04	2.24E-04	4.51E-04
481	489513.71, 3861050.05	0.0049	0.0048	7.45E-04	7.60E-04	7.01E-04	7.18E-04	6.78E-04	1.97E-04	1.93E-04	3.90E-04	1.92E-04	1.88E-04	3.81E-04	1.90E-04	1.86E-04	3.76E-04
482	489563.71, 3861050.05	0.00495	0.00486	7.52E-04	7.69E-04	7.09E-04	7.26E-04	6.85E-04	1.99E-04	1.96E-04	3.95E-04	1.94E-04	1.91E-04	3.85E-04	1.92E-04	1.88E-04	3.80E-04
483	489613.71, 3861050.05	0.00502	0.00493	7.63E-04	7.81E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	1.98E-04	4.00E-04	1.97E-04	1.94E-04	3.91E-04	1.95E-04	1.91E-04	3.86E-04
484	489663.71, 3861050.05	0.00508	0.00499	7.72E-04	7.90E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.01E-04	4.05E-04	1.99E-04	1.96E-04	3.95E-04	1.97E-04	1.93E-04	3.90E-04
485	489713.71, 3861050.05	0.00514	0.00506	7.81E-04	8.01E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	2.04E-04	4.10E-04	2.02E-04	1.99E-04	4.01E-04	1.99E-04	1.96E-04	3.95E-04
486	489763.71, 3861050.05	0.00521	0.00513	7.92E-04	8.12E-04	7.46E-04	7.64E-04	7.21E-04	2.10E-04	2.06E-04	4.16E-04	2.05E-04	2.01E-04	4.06E-04	2.02E-04	1.99E-04	4.01E-04
487	489813.71, 3861050.05	0.00529	0.00521	8.04E-04	8.25E-04	7.57E-04	7.76E-04	7.32E-04	2.13E-04	2.10E-04	4.23E-04	2.08E-04	2.05E-04	4.12E-04	2.05E-04	2.02E-04	4.07E-04
488	489863.71, 3861050.05	0.00536	0.00528	8.14E-04	8.36E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.12E-04	4.28E-04	2.10E-04	2.07E-04	4.18E-04	2.08E-04	2.05E-04	4.12E-04
489	489913.71, 3861050.05	0.00544	0.00536	8.27E-04	8.49E-04	7.79E-04	7.98E-04	7.52E-04	2.19E-04	2.16E-04	4.35E-04	2.14E-04	2.10E-04	4.24E-04	2.11E-04	2.08E-04	4.18E-04
490	489963.71, 3861050.05	0.00552	0.00544	8.39E-04	8.61E-04	7.90E-04	8.09E-04	7.63E-04	2.22E-04	2.19E-04	4.41E-04	2.17E-04	2.14E-04	4.30E-04	2.14E-04	2.11E-04	4.25E-04
491	490013.71, 3861050.05	0.00561	0.00553	8.52E-04	8.76E-04	8.03E-04	8.23E-04	7.76E-04	2.26E-04	2.23E-04	4.48E-04	2.20E-04	2.17E-04	4.37E-04	2.17E-04	2.14E-04	4.32E-04
492	490063.71, 3861050.05	0.0057	0.00561	8.66E-04	8.88E-04	8.16E-04	8.36E-04	7.88E-04	2.29E-04	2.26E-04	4.55E-04	2.24E-04	2.20E-04	4.44E-04	2.21E-04	2.17E-04	4.38E-04
493	489513.71, 3861100.05	0.00479	0.00469	7.28E-04	7.43E-04	6.86E-04	7.02E-04	6.62E-04	1.93E-04	1.89E-04	3.82E-04	1.88E-04	1.84E-04	3.72E-04	1.86E-04	1.82E-04	3.67E-04
494	489563.71, 3861100.05	0.00484	0.00475	7.35E-04	7.52E-04	6.93E-04	7.10E-04	6.69E-04	1.95E-04	1.91E-04	3.86E-04	1.90E-04	1.87E-04	3.77E-04	1.88E-04	1.84E-04	3.72E-04
495	489613.71, 3861100.05	0.00489	0.0048	7.43E-04	7.60E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	1.93E-04	3.90E-04	1.92E-04	1.88E-04	3.81E-04	1.89E-04	1.86E-04	3.75E-04
496	489663.71, 3861100.05	0.00495	0.00487	7.52E-04	7.71E-04	7.09E-04	7.26E-04	6.85E-04	1.99E-04	1.96E-04	3.95E-04	1.94E-04	1.91E-04	3.86E-04	1.92E-04	1.89E-04	3.81E-04
497	489713.71, 3861100.05	0.00501	0.00493	7.61E-04	7.81E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	1.98E-04	4.00E-04	1.97E-04	1.94E-04	3.90E-04	1.94E-04	1.91E-04	3.85E-04
498	489763.71, 3861100.05	0.00508	0.005	7.72E-04	7.92E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.01E-04	4.06E-04	1.99E-04	1.96E-04	3.96E-04	1.97E-04	1.94E-04	3.91E-04
499	489813.71, 3861100.05	0.00515	0.00507	7.83E-04	8.03E-04	7.37E-04	7.55E-04	7.12E-04	2.07E-04	2.04E-04	4.11E-04	2.02E-04	1.99E-04	4.01E-04	2.00E-04	1.96E-04	3.96E-04
500	489863.71, 3861100.05	0.00522	0.00515	7.93E-04	8.15E-04	7.47E-04	7.65E-04	7.22E-04	2.10E-04	2.07E-04	4.17E-04	2.05E-04	2.02E-04	4.07E-04	2.02E-04	2.00E-04	4.02E-04
501	489913.71, 3861100.05	0.00529	0.00522	8.04E-04	8.26E-04	7.57E-04	7.76E-04	7.32E-04	2.13E-04	2.10E-04	4.23E-04	2.08E-04	2.05E-04	4.13E-04	2.05E-04	2.02E-04	4.07E-04
502	489963.71, 3861100.05	0.00537	0.0053	8.16E-04	8.39E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.13E-04	4.29E-04	2.11E-04	2.08E-04	4.19E-04	2.08E-04	2.05E-04	4.13E-04
503	490013.71, 3861100.05	0.00545	0.00537	8.28E-04	8.50E-04	7.80E-04	7.99E-04	7.54E-04	2.19E-04	2.16E-04	4.35E-04	2.14E-04	2.11E-04	4.25E-04	2.11E-04	2.08E-04	4.19E-04
504	490063.71, 3861100.05	0.00554	0.00546	8.42E-04	8.64E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.20E-04	4.43E-04	2.18E-04	2.14E-04	4.32E-04	2.15E-04	2.12E-04	4.26E-04
505	489713.71, 3861150.05	0.00489	0.00481	7.43E-04	7.62E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	1.94E-04	3.90E-04	1.92E-04	1.89E-04	3.81E-04	1.89E-04	1.86E-04	3.76E-04
506	489763.71, 3861150.05	0.00495	0.00488	7.52E-04	7.73E-04	7.09E-04	7.26E-04	6.85E-04	1.99E-04	1.96E-04	3.96E-04	1.94E-04	1.92E-04	3.86E-04	1.92E-04	1.89E-04	3.81E-04
507	489813.71, 3861150.05	0.00502	0.00495	7.63E-04	7.84E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	1.99E-04	4.01E-04	1.97E-04	1.94E-04	3.92E-04	1.95E-04	1.92E-04	3.86E-04
508	489863.71, 3861150.05	0.00509	0.00502	7.73E-04	7.95E-04	7.29E-04	7.46E-04	7.04E-04	2.05E-04	2.02E-04	4.07E-04	2.00E-04	1.97E-04	3.97E-04	1.97E-04	1.95E-04	3.92E-04
509	489913.71, 3861150.05	0.00516	0.00509	7.84E-04	8.06E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.05E-04	4.12E-04	2.03E-04	2.00E-04	4.03E-04	2.00E-04	1.97E-04	3.97E-04
510	489963.71, 3861150.05	0.00523	0.00516	7.95E-04	8.17E-04	7.49E-04	7.67E-04	7.23E-04	2.10E-04	2.08E-04	4.18E-04	2.05E-04	2.03E-04	4.08E-04	2.03E-04	2.00E-04	4.03E-04
511	490013.71, 3861150.05	0.0053	0.00523	8.05E-04	8.28E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	2.10E-04	4.24E-04	2.08E-04	2.05E-04	4.14E-04	2.05E-04	2.03E-04	4.08E-04
512	490063.71, 3861150.05	0.00538	0.00531	8.18E-04	8.41E-04	7.70E-04	7.89E-04	7.44E-04	2.17E-04	2.14E-04	4.30E-04	2.11E-04	2.09E-04	4.20E-04	2.08E-04	2.06E-04	4.14E-04
513	489613.71, 3861200.05	0.00466	0.00458	7.08E-04	7.25E-04	6.67E-04	6.83E-04	6.45E-04	1.88E-04	1.84E-04	3.72E-04	1.83E-04	1.80E-04	3.63E-04	1.81E-04	1.77E-04	3.58E-04
514	489663.71, 3861200.05	0.00472	0.00464	7.17E-04	7.35E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.87E-04	3.77E-04	1.85E-04	1.82E-04	3.68E-04	1.83E-04	1.80E-04	3.63E-04
515	489713.71, 3861200.05	0.00477	0.0047	7.25E-04	7.44E-04	6.83E-04	6.99E-04	6.60E-04	1.92E-04	1.89E-04	3.81E-04	1.87E-04	1.85E-04	3.72E-04	1.85E-04	1.82E-04	3.67E-04
516	489763.71, 3861200.05	0.00483	0.00476	7.34E-04	7.54E-04	6.91E-04	7.08E-04	6.68E-04	1.94E-04	1.92E-04	3.86E-04	1.90E-04	1.87E-04	3.77E-04	1.87E-04	1.84E-04	3.72E-04
517	489813.71, 3861200.05	0.0049	0.00483	7.45E-04	7.65E-04	7.01E-04	7.18E-04	6.78E-04	1.97E-04	1.94E-04	3.92E-04	1.92E-04	1.90E-04	3.82E-04	1.90E-04	1.87E-04	3.77E-04
518	489863.71, 3861200.05	0.00496	0.0049	7.54E-04	7.76E-04	7.10E-04	7.27E-04	6.86E-04	2.00E-04	1.97E-04	3.97E-04	1.95E-04	1.92E-04	3.87E-04	1.92E-04	1.90E-04	3.82E-04
519	489913.71, 3861200.05	0.00503	0.00496	7.64E-04	7.85E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.00E-04	4.02E-04	1.98E-04	1.95E-04	3.92E-04	1.95E-04	1.92E-04	3.87E-04
520	489963.71, 3861200.05	0.00509	0.00503	7.73E-04	7.96E-04	7.29E-04	7.46E-04	7.04E-04	2.05E-04	2.02E-04	4.07E-04	2.00E-04	1.98E-04	3.97E-04	1.97E-04	1.95E-04	3.92E-04
521	490013.71, 3861200.05	0.00516	0.0051	7.84E-04	8.07E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.05E-04	4.13E-04	2.03E-04	2.00E-04	4.03E-04	2.00E-04	1.98E-04	3.98E-04
522	490063.71, 3861200.05	0.00524	0.00517	7.96E-04	8.19E-04	7.50E-04	7.68E-04	7.25E-04	2.11E-04	2.08E-04	4.19E-04	2.06E-04	2.03E-04	4.09E-04	2.03E-04	2.00E-04	4.03E-04
523	489513.71, 3861250.05	0.00446	0.00437	6.78E-04	6.92E-04	6.38E-04	6.54E-04	6.17E-04	1.79E-04	1.76E-04	3.55E-04	1.75E-04	1.72E-04	3.47E-04	1.73E-04	1.69E-04	3.42E-04
524	489563.71, 3861250.05	0.00451	0.00443	6.85E-04	7.01E-04	6.46E-04	6.61E-04	6.24E-04	1.81E-04	1.78E-04	3.60E-04	1.77E-04	1.74E-04	3.51E-04	1.75E-04	1.72E-04	3.46E-04

525 489613.71, 3861250.05	0.00456	0.00448	6.93E-04	7.09E-04	6.53E-04	6.69E-04	6.31E-04	1.84E-04	1.80E-04	3.64E-04	1.79E-04	1.76E-04	3.55E-04	1.77E-04	1.74E-04	3.50E-04
526 489663.71, 3861250.05	0.00461	0.00454	7.00E-04	7.19E-04	6.60E-04	6.76E-04	6.38E-04	1.86E-04	1.83E-04	3.68E-04	1.81E-04	1.78E-04	3.59E-04	1.79E-04	1.76E-04	3.55E-04
527 489713.71, 3861250.05	0.00466	0.00459	7.08E-04	7.27E-04	6.67E-04	6.83E-04	6.45E-04	1.88E-04	1.85E-04	3.72E-04	1.83E-04	1.80E-04	3.63E-04	1.81E-04	1.78E-04	3.58E-04
528 489763.71, 3861250.05	0.00472	0.00465	7.17E-04	7.36E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.87E-04	3.77E-04	1.85E-04	1.83E-04	3.68E-04	1.83E-04	1.80E-04	3.63E-04
529 489813.71, 3861250.05	0.00478	0.00472	7.26E-04	7.47E-04	6.84E-04	7.01E-04	6.61E-04	1.92E-04	1.90E-04	3.82E-04	1.88E-04	1.85E-04	3.73E-04	1.85E-04	1.83E-04	3.68E-04
530 489863.71, 3861250.05	0.00484	0.00478	7.35E-04	7.57E-04	6.93E-04	7.10E-04	6.69E-04	1.95E-04	1.92E-04	3.87E-04	1.90E-04	1.88E-04	3.78E-04	1.88E-04	1.85E-04	3.73E-04
531 489913.71, 3861250.05	0.0049	0.00484	7.45E-04	7.66E-04	7.01E-04	7.18E-04	6.78E-04	1.97E-04	1.95E-04	3.92E-04	1.92E-04	1.90E-04	3.82E-04	1.90E-04	1.88E-04	3.77E-04
532 489963.71, 3861250.05	0.00497	0.00491	7.55E-04	7.77E-04	7.12E-04	7.29E-04	6.87E-04	2.00E-04	1.98E-04	3.98E-04	1.95E-04	1.93E-04	3.88E-04	1.93E-04	1.90E-04	3.83E-04
533 490013.71, 3861250.05	0.00503	0.00497	7.64E-04	7.87E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.00E-04	4.02E-04	1.98E-04	1.95E-04	3.93E-04	1.95E-04	1.93E-04	3.87E-04
534 490063.71, 3861250.05	0.0051	0.00504	7.75E-04	7.98E-04	7.30E-04	7.48E-04	7.05E-04	2.05E-04	2.03E-04	4.08E-04	2.00E-04	1.98E-04	3.98E-04	1.98E-04	1.95E-04	3.93E-04
535 489528.13, 3861308.47	0.00437	0.00428	6.64E-04	6.78E-04	6.26E-04	6.41E-04	6.04E-04	1.76E-04	1.72E-04	3.48E-04	1.72E-04	1.68E-04	3.40E-04	1.69E-04	1.66E-04	3.35E-04
536 489578.13, 3861308.47	0.00441	0.00433	6.70E-04	6.86E-04	6.31E-04	6.47E-04	6.10E-04	1.77E-04	1.74E-04	3.52E-04	1.73E-04	1.70E-04	3.43E-04	1.71E-04	1.68E-04	3.39E-04
537 489628.13, 3861308.47	0.00446	0.00438	6.78E-04	6.93E-04	6.38E-04	6.54E-04	6.17E-04	1.79E-04	1.76E-04	3.56E-04	1.75E-04	1.72E-04	3.47E-04	1.73E-04	1.70E-04	3.43E-04
538 489678.13, 3861308.47	0.00451	0.00443	6.85E-04	7.01E-04	6.46E-04	6.61E-04	6.24E-04	1.81E-04	1.78E-04	3.60E-04	1.77E-04	1.74E-04	3.51E-04	1.75E-04	1.72E-04	3.46E-04
539 489728.13, 3861308.47	0.00456	0.00449	6.93E-04	7.11E-04	6.53E-04	6.69E-04	6.31E-04	1.84E-04	1.81E-04	3.64E-04	1.79E-04	1.76E-04	3.55E-04	1.77E-04	1.74E-04	3.51E-04
540 489778.13, 3861308.47	0.00461	0.00455	7.00E-04	7.20E-04	6.60E-04	6.76E-04	6.38E-04	1.86E-04	1.83E-04	3.69E-04	1.81E-04	1.79E-04	3.60E-04	1.79E-04	1.76E-04	3.55E-04
541 489678.13, 3861358.47	0.00441	0.00434	6.70E-04	6.87E-04	6.31E-04	6.47E-04	6.10E-04	1.77E-04	1.75E-04	3.52E-04	1.73E-04	1.70E-04	3.44E-04	1.71E-04	1.68E-04	3.39E-04
542 489728.13, 3861358.47	0.00445	0.00439	6.76E-04	6.95E-04	6.37E-04	6.52E-04	6.15E-04	1.79E-04	1.77E-04	3.56E-04	1.75E-04	1.72E-04	3.47E-04	1.72E-04	1.70E-04	3.43E-04
543 489528.13, 3861408.47	0.00419	0.0041	6.37E-04	6.49E-04	6.00E-04	6.14E-04	5.80E-04	1.69E-04	1.65E-04	3.34E-04	1.65E-04	1.61E-04	3.26E-04	1.62E-04	1.59E-04	3.21E-04
544 489578.13, 3861408.47	0.00423	0.00415	6.43E-04	6.57E-04	6.06E-04	6.20E-04	5.85E-04	1.70E-04	1.67E-04	3.37E-04	1.66E-04	1.63E-04	3.29E-04	1.64E-04	1.61E-04	3.25E-04
545 489628.13, 3861408.47	0.00427	0.0042	6.49E-04	6.65E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.69E-04	3.41E-04	1.68E-04	1.65E-04	3.33E-04	1.65E-04	1.63E-04	3.28E-04
546 489678.13, 3861408.47	0.00432	0.00424	6.56E-04	6.71E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	1.71E-04	3.44E-04	1.70E-04	1.67E-04	3.36E-04	1.67E-04	1.64E-04	3.32E-04
547 489728.13, 3861408.47	0.00436	0.00429	6.63E-04	6.79E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.73E-04	3.48E-04	1.71E-04	1.68E-04	3.40E-04	1.69E-04	1.66E-04	3.35E-04
548 489528.13, 3861458.47	0.00411	0.00402	6.25E-04	6.36E-04	5.88E-04	6.03E-04	5.68E-04	1.65E-04	1.62E-04	3.27E-04	1.61E-04	1.58E-04	3.19E-04	1.59E-04	1.56E-04	3.15E-04
549 489578.13, 3861458.47	0.00415	0.00406	6.31E-04	6.43E-04	5.94E-04	6.09E-04	5.74E-04	1.67E-04	1.63E-04	3.30E-04	1.63E-04	1.59E-04	3.22E-04	1.61E-04	1.57E-04	3.18E-04
550 489628.13, 3861458.47	0.00419	0.00411	6.37E-04	6.51E-04	6.00E-04	6.14E-04	5.80E-04	1.69E-04	1.65E-04	3.34E-04	1.65E-04	1.61E-04	3.26E-04	1.62E-04	1.59E-04	3.22E-04
551 489678.13, 3861458.47	0.00423	0.00416	6.43E-04	6.59E-04	6.06E-04	6.20E-04	5.85E-04	1.70E-04	1.67E-04	3.38E-04	1.66E-04	1.63E-04	3.29E-04	1.64E-04	1.61E-04	3.25E-04
552 489728.13, 3861458.47	0.00427	0.0042	6.49E-04	6.65E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.69E-04	3.41E-04	1.68E-04	1.65E-04	3.33E-04	1.65E-04	1.63E-04	3.28E-04
553 489528.13, 3861508.47	0.00403	0.00394	6.12E-04	6.24E-04	5.77E-04	5.91E-04	5.57E-04	1.62E-04	1.59E-04	3.21E-04	1.58E-04	1.55E-04	3.13E-04	1.56E-04	1.53E-04	3.09E-04
554 489578.13, 3861508.47	0.00407	0.00398	6.18E-04	6.30E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.60E-04	3.24E-04	1.60E-04	1.56E-04	3.16E-04	1.58E-04	1.54E-04	3.12E-04
555 489628.13, 3861508.47	0.00411	0.00403	6.25E-04	6.38E-04	5.88E-04	6.03E-04	5.68E-04	1.65E-04	1.62E-04	3.28E-04	1.61E-04	1.58E-04	3.20E-04	1.59E-04	1.56E-04	3.15E-04
556 489678.13, 3861508.47	0.00414	0.00407	6.29E-04	6.44E-04	5.93E-04	6.07E-04	5.73E-04	1.67E-04	1.64E-04	3.30E-04	1.63E-04	1.60E-04	3.22E-04	1.60E-04	1.58E-04	3.18E-04
557 489728.13, 3861508.47	0.00418	0.00412	6.35E-04	6.52E-04	5.98E-04	6.13E-04	5.78E-04	1.68E-04	1.66E-04	3.34E-04	1.64E-04	1.62E-04	3.26E-04	1.62E-04	1.60E-04	3.22E-04
558 489628.13, 3861558.47	0.00403	0.00395	6.12E-04	6.25E-04	5.77E-04	5.91E-04	5.57E-04	1.62E-04	1.59E-04	3.21E-04	1.58E-04	1.55E-04	3.13E-04	1.56E-04	1.53E-04	3.09E-04
559 489678.13, 3861558.47	0.00407	0.004	6.18E-04	6.33E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.61E-04	3.25E-04	1.60E-04	1.57E-04	3.17E-04	1.58E-04	1.55E-04	3.13E-04
560 489728.13, 3861558.47	0.00411	0.00404	6.25E-04	6.40E-04	5.88E-04	6.03E-04	5.68E-04	1.65E-04	1.63E-04	3.28E-04	1.61E-04	1.59E-04	3.20E-04	1.59E-04	1.57E-04	3.16E-04
561 489357.08, 3861015.81	0.0048	0.00469	7.29E-04	7.43E-04	6.87E-04	7.04E-04	6.64E-04	1.93E-04	1.89E-04	3.82E-04	1.88E-04	1.84E-04	3.73E-04	1.86E-04	1.82E-04	3.68E-04
562 489407.08, 3861015.81	0.00485	0.00474	7.37E-04	7.50E-04	6.94E-04	7.11E-04	6.71E-04	1.95E-04	1.91E-04	3.86E-04	1.90E-04	1.86E-04	3.77E-04	1.88E-04	1.84E-04	3.72E-04
563 489457.08, 3861015.81	0.0049	0.0048	7.45E-04	7.60E-04	7.01E-04	7.18E-04	6.78E-04	1.97E-04	1.93E-04	3.90E-04	1.92E-04	1.88E-04	3.81E-04	1.90E-04	1.86E-04	3.76E-04
564 489357.08, 3861065.81	0.0047	0.00458	7.14E-04	7.25E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.84E-04	3.73E-04	1.85E-04	1.80E-04	3.64E-04	1.82E-04	1.77E-04	3.60E-04
565 489407.08, 3861065.81	0.00474	0.00464	7.20E-04	7.35E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.87E-04	3.77E-04	1.86E-04	1.82E-04	3.68E-04	1.84E-04	1.80E-04	3.63E-04
566 489457.08, 3861065.81	0.00479	0.00469	7.28E-04	7.43E-04	6.86E-04	7.02E-04	6.62E-04	1.93E-04	1.89E-04	3.82E-04	1.88E-04	1.84E-04	3.72E-04	1.86E-04	1.82E-04	3.67E-04
567 489357.08, 3861115.81	0.0046	0.00448	6.99E-04	7.09E-04	6.59E-04	6.74E-04	6.36E-04	1.85E-04	1.80E-04	3.65E-04	1.81E-04	1.76E-04	3.57E-04	1.78E-04	1.74E-04	3.52E-04
568 489407.08, 3861115.81	0.00464	0.00454	7.05E-04	7.19E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.83E-04	3.69E-04	1.82E-04	1.78E-04	3.60E-04	1.80E-04	1.76E-04	3.56E-04
569 489457.08, 3861115.81	0.00469	0.00459	7.13E-04	7.27E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	1.85E-04	3.73E-04	1.84E-04	1.80E-04	3.64E-04	1.82E-04	1.78E-04	3.60E-04
570 489407.08, 3861165.81	0.00455	0.00444	6.91E-04	7.03E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.79E-04	3.62E-04	1.79E-04	1.74E-04	3.53E-04	1.76E-04	1.72E-04	3.48E-04
571 489457.08, 3861165.81	0.00459	0.00449	6.97E-04	7.11E-04	6.57E-04	6.73E-04	6.35E-04	1.85E-04	1.81E-04	3.65E-04	1.80E-04	1.76E-04	3.57E-04	1.78E-04	1.74E-04	3.52E-04
572 489407.08, 3861215.81	0.00444	0.00434	6.75E-04	6.87E-04	6.36E-04	6.51E-04	6.14E-04	1.79E-04	1.75E-04	3.53E-04	1.74E-04	1.70E-04	3.45E-04	1.72E-04	1.68E-04	3.40E-04
573 489457.08, 3861215.81	0.00449	0.00439	6.82E-04	6.95E-04	6.43E-04	6.58E-04	6.21E-04	1.81E-04	1.77E-04	3.57E-04	1.76E-04	1.72E-04	3.49E-04	1.74E-04	1.70E-04	3.44E-04
574 489407.08, 3861265.81	0.00434	0.00424	6.59E-04	6.71E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.71E-04	3.45E-04	1.70E-04	1.67E-04	3.37E-04	1.68E-04	1.64E-04	3.32E-04
575 489457.08, 3861265.81	0.00439	0.00429	6.67E-04	6.79E-04	6.28E-04	6.44E-04	6.07E-04	1.77E-04	1.73E-04	3.49E-04	1.72E-04	1.68E-04	3.41E-04	1.70E-04	1.66E-04	3.36E-04
576 489309.86, 3861110.14	0.00456	0.00445	6.93E-04	7.05E-04	6.53E-04	6.69E-04	6.31E-04	1.84E-04	1.79E-04	3.63E-04	1.79E-04	1.75E-04	3.54E-04	1.77E-04	1.72E-04	3.49E-04
577 489407.08, 3861315.81	0.00425	0.00415	6.46E-04	6.57E-04	6.08E-04	6.23E-04	5.88E-04	1.71E-04	1.67E-04	3.38E-04	1.67E-04	1.63E-04	3.30E-04	1.65E-04	1.61E-04	3.25E-04
578 489457.08, 3861315.81	0.00429	0.0042	6.52E-04	6.65E-04	6.14E-04	6.29E-04	5.93E-04	1.73E-04	1.69E-04	3.42E-04	1.68E-04	1.65E-04	3.33E-04	1.66E-04	1.63E-04	3.29E-04
579 488906.03, 3861006.75	0.00443	0.00426	6.73E-04	6.74E-04	6.34E-04	6.50E-04	6.13E-04	1.78E-04	1.71E-04	3.50E-04	1.74E-04	1.67E-04	3.41E-04	1.72E-04	1.65E-04	3.37E-04
580 488956.03, 3861006.75	0.00447	0.00431	6.79E-04	6.82E-04	6.40E-04	6.55E-04	6.18E-04	1.80E-04	1.73E-04	3.53E-04	1.76E-04	1.69E-04	3.45E-04	1.73E-04	1.67E-04	3.40E-04
581 488904.24, 3861051.87	0.00436	0.00419	6.63E-04	6.63E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.69E-04	3.44E-04	1.71E-04	1.65E-04	3.36E-04	1.69E-04	1.62E-04	3.31E-04
582 488954.24, 3861051.87	0.00439	0.00423	6.67E-04	6.70E-04	6.28E-04	6.44E-04	6.07E-04	1.77E-04	1.70E-04	3.47E-04	1.72E-04	1.66E-04	3.39E-04	1.70E-04	1.64E-04	3.34E-04
583 489004.24, 3861051.87	0.00444	0.00428	6.75E-04	6.78E-04	6.36E-04	6.51E-04	6.14E-04	1.79E-04	1.72E-04	3.51E-04	1.74E-04	1.68E-04	3.42E-04	1.72E-04	1.66E-04	3.38E-04
584 488804.24, 3861101.87	0.0042	0.00402	6.38E-04	6.36E-04	6.01E-04	6.16E-04	5.81E-04	1.69E-04	1.62E-04	3.31E-04	1.65E-04	1.58E-04	3.23E-04	1.63E-04	1.56E-04	3.19E-04
585 488854.24, 3861101.87	0.00424	0.00407	6.44E-04	6.44E-04	6.07E-04	6.22E-04	5.86E-04	1.71E-04	1.64E-04	3.34E-04	1.67E-04	1.60E-04	3.26E-04	1.64E-04	1.58E-04	3.22E-04
586 488904.24, 3861101.87	0.00426	0.0041	6.47E-04	6.49E-04	6.10E-04	6.25E-04	5.89E-04	1.71E-04	1.65E-04	3.36E-04	1.67E-04	1.61E-04	3.28E-04	1.65E-04	1.59E-04	3.24E-04
587 488954.24, 3861101.87	0.0043	0.00414	6.53E-04	6.55E-04	6.16E-04	6.30E-04	5.95E-04	1.73E-04	1.67E-04	3.40E-04	1.69E-04	1.63E-04	3.31E-04	1.67E-04	1.60E-04	3.27E-04
588 489004.24, 3861101.87	0.00433	0.00418	6.58E-04	6.62E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.68E-04	3.42E-04	1.70E-04	1.64E-04	3.34E-04	1.68E-04	1.62E-04	3.30E-04
589 488804.24, 3861151.87	0.00411	0.00393	6.25E-04	6.22E-04	5.88E-04	6.03E-04	5.68E-04	1.65E-04	1.58E-04	3.24E-04	1.61E-04	1.54E-04	3.16E-04	1.59E-04	1.52E-04	3.12E-04
590 488854.24, 3861151.87	0.00414	0.00397	6.29E-04	6.29E-04	5.93E-04	6.07E-04	5.73E-04	1.67E-04	1.60E-04	3.26E-04	1.63E-04	1.56E-04	3.18E-04	1.60E-04	1.54E-04	3.14E-04

591 489129.49, 3861187.55	0.00427	0.00413	6.49E-04	6.54E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.66E-04	3.38E-04	1.68E-04	1.62E-04	3.30E-04	1.65E-04	1.60E-04	3.25E-04
592 489179.49, 3861187.55	0.00431	0.00417	6.55E-04	6.60E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.68E-04	3.41E-04	1.69E-04	1.64E-04	3.33E-04	1.67E-04	1.62E-04	3.29E-04
593 488804.24, 3861201.87	0.00403	0.00386	6.12E-04	6.11E-04	5.77E-04	5.91E-04	5.57E-04	1.62E-04	1.55E-04	3.18E-04	1.58E-04	1.52E-04	3.10E-04	1.56E-04	1.50E-04	3.06E-04
594 488854.24, 3861201.87	0.00406	0.00389	6.17E-04	6.16E-04	5.81E-04	5.95E-04	5.62E-04	1.63E-04	1.57E-04	3.20E-04	1.59E-04	1.53E-04	3.12E-04	1.57E-04	1.51E-04	3.08E-04
595 489129.49, 3861237.55	0.00419	0.00405	6.37E-04	6.41E-04	6.00E-04	6.14E-04	5.80E-04	1.69E-04	1.63E-04	3.32E-04	1.65E-04	1.59E-04	3.24E-04	1.62E-04	1.57E-04	3.19E-04
596 489179.49, 3861237.55	0.00422	0.00409	6.41E-04	6.48E-04	6.04E-04	6.19E-04	5.84E-04	1.70E-04	1.65E-04	3.34E-04	1.66E-04	1.61E-04	3.26E-04	1.64E-04	1.58E-04	3.22E-04
597 488804.24, 3861251.87	0.00396	0.00379	6.02E-04	6.00E-04	5.67E-04	5.81E-04	5.48E-04	1.59E-04	1.53E-04	3.12E-04	1.56E-04	1.49E-04	3.04E-04	1.53E-04	1.47E-04	3.00E-04
598 488854.24, 3861251.87	0.00398	0.00382	6.05E-04	6.05E-04	5.70E-04	5.84E-04	5.50E-04	1.60E-04	1.54E-04	3.14E-04	1.56E-04	1.50E-04	3.06E-04	1.54E-04	1.48E-04	3.02E-04
599 488804.24, 3861301.87	0.00388	0.00372	5.90E-04	5.89E-04	5.55E-04	5.69E-04	5.37E-04	1.56E-04	1.50E-04	3.06E-04	1.52E-04	1.46E-04	2.98E-04	1.50E-04	1.44E-04	2.94E-04
600 488854.24, 3861301.87	0.00391	0.00375	5.94E-04	5.94E-04	5.60E-04	5.73E-04	5.41E-04	1.57E-04	1.51E-04	3.08E-04	1.54E-04	1.47E-04	3.01E-04	1.52E-04	1.45E-04	2.97E-04
601 490943.5, 3860181.97	0.03132	0.03122	4.76E-03	4.94E-03	4.48E-03	4.59E-03	4.33E-03	1.26E-03	1.26E-03	2.52E-03	1.23E-03	1.23E-03	2.46E-03	1.21E-03	1.21E-03	2.42E-03
602 490993.5, 3860181.97	0.03531	0.03534	5.37E-03	5.60E-03	5.05E-03	5.18E-03	4.88E-03	1.42E-03	1.42E-03	2.84E-03	1.39E-03	1.39E-03	2.77E-03	1.37E-03	1.37E-03	2.74E-03
603 491043.5, 3860181.97	0.04078	0.04102	6.20E-03	6.49E-03	5.84E-03	5.98E-03	5.64E-03	1.64E-03	1.65E-03	3.29E-03	1.60E-03	1.61E-03	3.21E-03	1.58E-03	1.59E-03	3.17E-03
604 491093.5, 3860181.97	0.04856	0.04919	7.38E-03	7.79E-03	6.95E-03	7.12E-03	6.72E-03	1.95E-03	1.98E-03	3.93E-03	1.91E-03	1.93E-03	3.84E-03	1.88E-03	1.91E-03	3.79E-03
605 490943.5, 3860231.97	0.02644	0.02627	4.02E-03	4.16E-03	3.79E-03	3.88E-03	3.66E-03	1.06E-03	1.06E-03	2.12E-03	1.04E-03	1.03E-03	2.07E-03	1.02E-03	1.02E-03	2.04E-03
606 490993.5, 3860231.97	0.02938	0.02929	4.46E-03	4.64E-03	4.21E-03	4.31E-03	4.06E-03	1.18E-03	1.18E-03	2.36E-03	1.15E-03	1.15E-03	2.30E-03	1.14E-03	1.13E-03	2.27E-03
607 491043.5, 3860231.97	0.03297	0.03298	5.01E-03	5.22E-03	4.72E-03	4.83E-03	4.56E-03	1.33E-03	1.33E-03	2.65E-03	1.29E-03	1.30E-03	2.59E-03	1.28E-03	1.28E-03	2.56E-03
608 491093.5, 3860231.97	0.03784	0.038	5.75E-03	6.02E-03	5.42E-03	5.55E-03	5.23E-03	1.52E-03	1.53E-03	3.05E-03	1.49E-03	1.49E-03	2.98E-03	1.47E-03	1.47E-03	2.94E-03
609 490943.5, 3860281.97	0.02295	0.02274	3.49E-03	3.60E-03	3.29E-03	3.37E-03	3.17E-03	9.24E-04	9.15E-04	1.84E-03	9.01E-04	8.93E-04	1.79E-03	8.89E-04	8.81E-04	1.77E-03
610 490993.5, 3860281.97	0.02512	0.02495	3.82E-03	3.95E-03	3.60E-03	3.68E-03	3.47E-03	1.01E-03	1.00E-03	2.01E-03	9.86E-04	9.80E-04	1.97E-03	9.73E-04	9.67E-04	1.94E-03
611 491043.5, 3860281.97	0.02774	0.02761	4.22E-03	4.37E-03	3.97E-03	4.07E-03	3.84E-03	1.12E-03	1.11E-03	2.23E-03	1.09E-03	1.08E-03	2.17E-03	1.07E-03	1.07E-03	2.14E-03
612 491093.5, 3860281.97	0.0311	0.03102	4.73E-03	4.91E-03	4.45E-03	4.56E-03	4.30E-03	1.25E-03	1.25E-03	2.50E-03	1.22E-03	1.22E-03	2.44E-03	1.21E-03	1.20E-03	2.41E-03
613 490943.5, 3860331.97	0.02033	0.0201	3.09E-03	3.18E-03	2.91E-03	2.98E-03	2.81E-03	8.18E-04	8.09E-04	1.63E-03	7.98E-04	7.89E-04	1.59E-03	7.88E-04	7.79E-04	1.57E-03
614 490993.5, 3860331.97	0.02193	0.02171	3.33E-03	3.44E-03	3.14E-03	3.22E-03	3.03E-03	8.83E-04	8.74E-04	1.76E-03	8.61E-04	8.53E-04	1.71E-03	8.50E-04	8.41E-04	1.69E-03
615 491043.5, 3860331.97	0.02389	0.02367	3.63E-03	3.75E-03	3.42E-03	3.50E-03	3.30E-03	9.61E-04	9.53E-04	1.91E-03	9.38E-04	9.30E-04	1.87E-03	9.26E-04	9.17E-04	1.84E-03
616 491093.5, 3860331.97	0.02634	0.02614	4.00E-03	4.14E-03	3.77E-03	3.86E-03	3.64E-03	1.06E-03	1.05E-03	2.11E-03	1.03E-03	1.03E-03	2.06E-03	1.02E-03	1.01E-03	2.03E-03
617 490086.72, 3859935.12	0.02017	0.01979	3.06E-03	3.13E-03	2.89E-03	2.96E-03	2.79E-03	8.12E-04	7.96E-04	1.61E-03	7.92E-04	7.77E-04	1.57E-03	7.82E-04	7.67E-04	1.55E-03
618 490136.72, 3859935.12	0.02146	0.02105	3.26E-03	3.33E-03	3.07E-03	3.15E-03	2.97E-03	8.64E-04	8.47E-04	1.71E-03	8.43E-04	8.27E-04	1.67E-03	8.32E-04	8.16E-04	1.65E-03
619 490186.72, 3859935.12	0.02292	0.02249	3.48E-03	3.56E-03	3.28E-03	3.36E-03	3.17E-03	9.22E-04	9.05E-04	1.83E-03	9.00E-04	8.83E-04	1.78E-03	8.88E-04	8.71E-04	1.76E-03
620 490236.72, 3859935.12	0.02459	0.02413	3.74E-03	3.82E-03	3.52E-03	3.61E-03	3.40E-03	9.90E-04	9.71E-04	1.96E-03	9.66E-04	9.48E-04	1.91E-03	9.53E-04	9.35E-04	1.89E-03
621 490286.72, 3859935.12	0.02648	0.02599	4.02E-03	4.12E-03	3.79E-03	3.88E-03	3.66E-03	1.07E-03	1.05E-03	2.11E-03	1.04E-03	1.02E-03	2.06E-03	1.03E-03	1.01E-03	2.03E-03
622 490336.72, 3859935.12	0.02869	0.02816	4.36E-03	4.46E-03	4.11E-03	4.21E-03	3.97E-03	1.15E-03	1.13E-03	2.29E-03	1.13E-03	1.11E-03	2.23E-03	1.11E-03	1.09E-03	2.20E-03
623 490386.72, 3859935.12	0.03137	0.03079	4.77E-03	4.88E-03	4.49E-03	4.60E-03	4.34E-03	1.26E-03	1.24E-03	2.50E-03	1.23E-03	1.21E-03	2.44E-03	1.22E-03	1.19E-03	2.41E-03
624 490436.72, 3859935.12	0.03458	0.03392	5.25E-03	5.37E-03	4.95E-03	5.07E-03	4.78E-03	1.39E-03	1.37E-03	2.76E-03	1.36E-03	1.33E-03	2.69E-03	1.34E-03	1.31E-03	2.65E-03
625 490486.72, 3859935.12	0.03856	0.03781	5.86E-03	5.99E-03	5.52E-03	5.65E-03	5.33E-03	1.55E-03	1.52E-03	3.07E-03	1.51E-03	1.48E-03	3.00E-03	1.49E-03	1.47E-03	2.96E-03
626 490536.72, 3859935.12	0.044	0.04307	6.69E-03	6.82E-03	6.30E-03	6.45E-03	6.09E-03	1.77E-03	1.73E-03	3.50E-03	1.73E-03	1.69E-03	3.42E-03	1.70E-03	1.67E-03	3.37E-03
627 490586.72, 3859935.12	0.05128	0.05004	7.79E-03	7.92E-03	7.34E-03	7.52E-03	7.09E-03	2.06E-03	2.01E-03	4.08E-03	2.01E-03	1.97E-03	3.98E-03	1.99E-03	1.94E-03	3.93E-03
628 490636.72, 3859935.12	0.06073	0.05898	9.23E-03	9.34E-03	8.69E-03	8.90E-03	8.40E-03	2.44E-03	2.37E-03	4.82E-03	2.38E-03	2.32E-03	4.70E-03	2.35E-03	2.29E-03	4.64E-03
629 490686.72, 3859935.12	0.07532	0.0726	1.14E-02	1.15E-02	1.08E-02	1.10E-02	1.04E-02	3.03E-03	2.92E-03	5.95E-03	2.96E-03	2.85E-03	5.81E-03	2.92E-03	2.81E-03	5.73E-03
630 490736.72, 3859935.12	0.09632	0.09192	1.46E-02	1.46E-02	1.38E-02	1.41E-02	1.33E-02	3.88E-03	3.70E-03	7.58E-03	3.78E-03	3.61E-03	7.39E-03	3.73E-03	3.56E-03	7.29E-03
631 490086.72, 3859985.12	0.01771	0.01736	2.69E-03	2.75E-03	2.54E-03	2.60E-03	2.45E-03	7.13E-04	6.99E-04	1.41E-03	6.95E-04	6.82E-04	1.38E-03	6.86E-04	6.73E-04	1.36E-03
632 490136.72, 3859985.12	0.01865	0.01829	2.83E-03	2.90E-03	2.67E-03	2.73E-03	2.58E-03	7.51E-04	7.36E-04	1.49E-03	7.32E-04	7.18E-04	1.45E-03	7.23E-04	7.09E-04	1.43E-03
633 490186.72, 3859985.12	0.01974	0.01936	3.00E-03	3.07E-03	2.83E-03	2.89E-03	2.73E-03	7.94E-04	7.79E-04	1.57E-03	7.75E-04	7.60E-04	1.54E-03	7.65E-04	7.50E-04	1.52E-03
634 490236.72, 3859985.12	0.02097	0.02057	3.19E-03	3.26E-03	3.00E-03	3.07E-03	2.90E-03	8.44E-04	8.28E-04	1.67E-03	8.23E-04	8.08E-04	1.63E-03	8.13E-04	7.97E-04	1.61E-03
635 490286.72, 3859985.12	0.02231	0.02188	3.39E-03	3.46E-03	3.19E-03	3.27E-03	3.09E-03	8.98E-04	8.81E-04	1.78E-03	8.76E-04	8.59E-04	1.74E-03	8.64E-04	8.48E-04	1.71E-03
636 490336.72, 3859985.12	0.02382	0.02336	3.62E-03	3.70E-03	3.41E-03	3.49E-03	3.29E-03	9.59E-04	9.40E-04	1.90E-03	9.35E-04	9.17E-04	1.85E-03	9.23E-04	9.05E-04	1.83E-03
637 490386.72, 3859985.12	0.0255	0.025	3.87E-03	3.96E-03	3.65E-03	3.74E-03	3.53E-03	1.03E-03	1.01E-03	2.03E-03	1.00E-03	9.82E-04	1.98E-03	9.88E-04	9.69E-04	1.96E-03
638 490436.72, 3859985.12	0.02752	0.02698	4.18E-03	4.27E-03	3.94E-03	4.04E-03	3.81E-03	1.11E-03	1.09E-03	2.19E-03	1.08E-03	1.06E-03	2.14E-03	1.07E-03	1.05E-03	2.11E-03
639 490486.72, 3859985.12	0.02996	0.02936	4.55E-03	4.65E-03	4.29E-03	4.39E-03	4.14E-03	1.21E-03	1.18E-03	2.39E-03	1.18E-03	1.15E-03	2.33E-03	1.16E-03	1.14E-03	2.30E-03
640 490536.72, 3859985.12	0.03299	0.03232	5.01E-03	5.12E-03	4.72E-03	4.84E-03	4.56E-03	1.33E-03	1.30E-03	2.63E-03	1.30E-03	1.27E-03	2.56E-03	1.28E-03	1.25E-03	2.53E-03
641 490586.72, 3859985.12	0.03681	0.03603	5.59E-03	5.70E-03	5.27E-03	5.40E-03	5.09E-03	1.48E-03	1.45E-03	2.93E-03	1.45E-03	1.41E-03	2.86E-03	1.43E-03	1.40E-03	2.82E-03
642 490636.72, 3859985.12	0.0417	0.04074	6.34E-03	6.45E-03	5.97E-03	6.11E-03	5.77E-03	1.68E-03	1.64E-03	3.32E-03	1.64E-03	1.60E-03	3.24E-03	1.62E-03	1.58E-03	3.19E-03
643 490686.72, 3859985.12	0.04829	0.04703	7.34E-03	7.45E-03	6.91E-03	7.08E-03	6.68E-03	1.94E-03	1.89E-03	3.84E-03	1.90E-03	1.85E-03	3.74E-03	1.87E-03	1.82E-03	3.69E-03
644 490736.72, 3859985.12	0.05649	0.05476	8.58E-03	8.67E-03	8.09E-03	8.28E-03	7.81E-03	2.27E-03	2.20E-03	4.48E-03	2.22E-03	2.15E-03	4.37E-03	2.19E-03	2.12E-03	4.31E-03
645 490786.72, 3859985.12	0.06802	0.06545	1.03E-02	1.04E-02	9.74E-03	9.97E-03	9.41E-03	2.74E-03	2.63E-03	5.37E-03	2.67E-03	2.57E-03	5.24E-03	2.64E-03	2.54E-03	5.17E-03
646 490086.72, 3860035.12	0.01583	0.01551	2.41E-03	2.46E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	6.24E-04	1.26E-03	6.22E-04	6.09E-04	1.23E-03	6.13E-04	6.01E-04	1.21E-03
647 490136.72, 3860035.12	0.01657	0.01624	2.52E-03	2.57E-03	2.37E-03	2.43E-03	2.29E-03	6.67E-04	6.54E-04	1.32E-03	6.51E-04	6.38E-04	1.29E-03	6.42E-04	6.29E-04	1.27E-03
648 490186.72, 3860035.12	0.01739	0.01705	2.64E-03	2.70E-03	2.49E-03	2.55E-03	2.41E-03	7.00E-04	6.86E-04	1.39E-03	6.83E-04	6.70E-04	1.35E-03	6.74E-04	6.61E-04	1.33E-03
649 490236.72, 3860035.12	0.0183	0.01795	2.78E-03	2.84E-03	2.62E-03	2.68E-03	2.53E-03	7.36E-04	7.22E-04	1.46E-03	7.19E-04	7.05E-04	1.42E-03	7.09E-04	6.96E-04	1.40E-03
650 490286.72, 3860035.12	0.01929	0.01891	2.93E-03	2.99E-03	2.76E-03	2.83E-03	2.67E-03	7.76E-04	7.61E-04	1.54E-03	7.58E-04	7.43E-04	1.50E-03	7.47E-04	7.33E-04	1.48E-03
651 490336.72, 3860035.12	0.02043	0.02003	3.10E-03	3.17E-03	2.92E-03	3.00E-03	2.83E-03	8.22E-04	8.06E-04	1.63E-03	8.02E-04	7.87E-04	1.59E-03	7.92E-04	7.76E-04	1.57E-03
652 490386.72, 3860035.12	0.02163	0.02119	3.29E-03	3.36E-03	3.10E-03	3.17E-03	2.99E-03	8.70E-04	8.53E-04	1.72E-03	8.49E-04	8.32E-04	1.68E-03	8.38E-04	8.21E-04	1.66E-03
653 490436.72, 3860035.12	0.02302	0.02255	3.50E-03	3.57E-03	3.30E-03	3.38E-03	3.18E-03	9.26E-04	9.07E-04	1.83E-03	9.04E-04	8.86E-04	1.79E-03	8.92E-04	8.74E-04	1.77E-03
654 490486.72, 3860035.12	0.02465	0.02414	3.75E-03	3.82E-03	3.53E-03	3.61E-03	3.41E-03	9.92E-04	9.71E-04	1.96E-03	9.68E-04	9.48E-04	1.92E-03	9.55E-04	9.35E-04	1.89E-03
655 490536.72, 3860035.12	0.02662	0.02607	4.04E-03	4.13E-03	3.81E-03	3.90E-03	3.68E-03	1.07E-03	1.05E-03	2.12E-03	1.05E-03	1.02E-03	2.07E-03	1.03E-03	1.01E-03	2.04E-03
656 490586.72, 3860035.12	0.02894	0.02834	4.40E-03	4.49E-03	4.14E-03	4.24E-03	4.00E-03	1.16E-03	1.14E-03	2.31E-03	1.14E-03	1.11E-03	2.25E-03	1.12E-03	1.10E-03	2.22E-03

657	490636.72, 3860035.12	0.0316	0.03096	4.80E-03	4.90E-03	4.52E-03	4.63E-03	4.37E-03	1.27E-03	1.25E-03	2.52E-03	1.24E-03	1.22E-03	2.46E-03	1.22E-03	1.20E-03	2.42E-03
658	490686.72, 3860035.12	0.03512	0.0344	5.34E-03	5.45E-03	5.03E-03	5.15E-03	4.86E-03	1.41E-03	1.38E-03	2.80E-03	1.38E-03	1.35E-03	2.73E-03	1.36E-03	1.33E-03	2.69E-03
659	490736.72, 3860035.12	0.03982	0.03898	6.05E-03	6.17E-03	5.70E-03	5.84E-03	5.51E-03	1.60E-03	1.57E-03	3.17E-03	1.56E-03	1.53E-03	3.09E-03	1.54E-03	1.51E-03	3.05E-03
660	490786.72, 3860035.12	0.0453	0.04433	6.88E-03	7.02E-03	6.49E-03	6.64E-03	6.27E-03	1.82E-03	1.78E-03	3.61E-03	1.78E-03	1.74E-03	3.52E-03	1.76E-03	1.72E-03	3.47E-03
661	490836.72, 3860035.12	0.05253	0.05145	7.98E-03	8.15E-03	7.52E-03	7.70E-03	7.27E-03	2.11E-03	2.07E-03	4.18E-03	2.06E-03	2.02E-03	4.08E-03	2.04E-03	1.99E-03	4.03E-03
662	490086.72, 3860085.12	0.0144	0.01409	2.19E-03	2.23E-03	2.06E-03	2.11E-03	1.99E-03	5.80E-04	5.67E-04	1.15E-03	5.65E-04	5.53E-04	1.12E-03	5.58E-04	5.46E-04	1.10E-03
663	490136.72, 3860085.12	0.01494	0.01463	2.27E-03	2.32E-03	2.14E-03	2.19E-03	2.07E-03	6.01E-04	5.89E-04	1.19E-03	5.87E-04	5.75E-04	1.16E-03	5.79E-04	5.67E-04	1.15E-03
664	490186.72, 3860085.12	0.01562	0.01531	2.37E-03	2.42E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.16E-04	1.24E-03	6.13E-04	6.01E-04	1.21E-03	6.05E-04	5.93E-04	1.20E-03
665	490236.72, 3860085.12	0.01633	0.01601	2.48E-03	2.53E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	6.44E-04	1.30E-03	6.41E-04	6.29E-04	1.27E-03	6.33E-04	6.20E-04	1.25E-03
666	490286.72, 3860085.12	0.0171	0.01677	2.60E-03	2.66E-03	2.45E-03	2.51E-03	2.37E-03	6.88E-04	6.75E-04	1.36E-03	6.72E-04	6.59E-04	1.33E-03	6.63E-04	6.50E-04	1.31E-03
667	490336.72, 3860085.12	0.01792	0.01758	2.72E-03	2.78E-03	2.57E-03	2.63E-03	2.48E-03	7.21E-04	7.07E-04	1.43E-03	7.04E-04	6.90E-04	1.39E-03	6.94E-04	6.81E-04	1.38E-03
668	490386.72, 3860085.12	0.01885	0.01848	2.86E-03	2.93E-03	2.70E-03	2.76E-03	2.61E-03	7.59E-04	7.44E-04	1.50E-03	7.40E-04	7.26E-04	1.47E-03	7.30E-04	7.16E-04	1.45E-03
669	490436.72, 3860085.12	0.01988	0.01948	3.02E-03	3.08E-03	2.85E-03	2.91E-03	2.75E-03	8.00E-04	7.84E-04	1.58E-03	7.81E-04	7.65E-04	1.55E-03	7.70E-04	7.55E-04	1.53E-03
670	490486.72, 3860085.12	0.02104	0.02062	3.20E-03	3.26E-03	3.01E-03	3.09E-03	2.91E-03	8.47E-04	8.30E-04	1.68E-03	8.26E-04	8.10E-04	1.64E-03	8.15E-04	7.99E-04	1.61E-03
671	490536.72, 3860085.12	0.02242	0.02198	3.41E-03	3.48E-03	3.21E-03	3.29E-03	3.10E-03	9.02E-04	8.85E-04	1.79E-03	8.80E-04	8.63E-04	1.74E-03	8.69E-04	8.52E-04	1.72E-03
672	490586.72, 3860085.12	0.02402	0.02355	3.65E-03	3.73E-03	3.44E-03	3.52E-03	3.32E-03	9.67E-04	9.48E-04	1.91E-03	9.43E-04	9.25E-04	1.87E-03	9.31E-04	9.13E-04	1.84E-03
673	490636.72, 3860085.12	0.02584	0.02536	3.93E-03	4.02E-03	3.70E-03	3.79E-03	3.57E-03	1.04E-03	1.02E-03	2.06E-03	1.01E-03	9.96E-04	2.01E-03	1.00E-03	9.83E-04	1.98E-03
674	490686.72, 3860085.12	0.02808	0.02758	4.27E-03	4.37E-03	4.02E-03	4.12E-03	3.88E-03	1.13E-03	1.11E-03	2.24E-03	1.10E-03	1.08E-03	2.19E-03	1.09E-03	1.07E-03	2.16E-03
675	490736.72, 3860085.12	0.03085	0.03034	4.69E-03	4.80E-03	4.42E-03	4.52E-03	4.27E-03	1.24E-03	1.22E-03	2.46E-03	1.21E-03	1.19E-03	2.40E-03	1.20E-03	1.18E-03	2.37E-03
676	490786.72, 3860085.12	0.03423	0.03373	5.20E-03	5.34E-03	4.90E-03	5.02E-03	4.73E-03	1.38E-03	1.36E-03	2.73E-03	1.34E-03	1.32E-03	2.67E-03	1.33E-03	1.31E-03	2.63E-03
677	490836.72, 3860085.12	0.03828	0.03782	5.82E-03	5.99E-03	5.48E-03	5.61E-03	5.29E-03	1.54E-03	1.52E-03	3.06E-03	1.50E-03	1.49E-03	2.99E-03	1.48E-03	1.47E-03	2.95E-03
678	490086.72, 3860135.12	0.01311	0.01281	1.99E-03	2.03E-03	1.88E-03	1.92E-03	1.81E-03	5.28E-04	5.16E-04	1.04E-03	5.15E-04	5.03E-04	1.02E-03	5.08E-04	4.96E-04	1.00E-03
679	490136.72, 3860135.12	0.01362	0.01333	2.07E-03	2.11E-03	1.95E-03	2.00E-03	1.88E-03	5.48E-04	5.36E-04	1.08E-03	5.35E-04	5.23E-04	1.06E-03	5.28E-04	5.17E-04	1.04E-03
680	490186.72, 3860135.12	0.01417	0.01388	2.15E-03	2.20E-03	2.03E-03	2.08E-03	1.96E-03	5.70E-04	5.59E-04	1.13E-03	5.56E-04	5.45E-04	1.10E-03	5.49E-04	5.38E-04	1.09E-03
681	490236.72, 3860135.12	0.01474	0.01445	2.24E-03	2.29E-03	2.11E-03	2.16E-03	2.04E-03	5.93E-04	5.82E-04	1.17E-03	5.79E-04	5.67E-04	1.15E-03	5.71E-04	5.60E-04	1.13E-03
682	490286.72, 3860135.12	0.01537	0.01508	2.34E-03	2.39E-03	2.20E-03	2.25E-03	2.13E-03	6.19E-04	6.07E-04	1.23E-03	6.04E-04	5.92E-04	1.20E-03	5.96E-04	5.84E-04	1.18E-03
683	490336.72, 3860135.12	0.01605	0.01575	2.44E-03	2.49E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	6.34E-04	1.28E-03	6.30E-04	6.18E-04	1.25E-03	6.22E-04	6.10E-04	1.23E-03
684	490386.72, 3860135.12	0.01677	0.01646	2.55E-03	2.61E-03	2.40E-03	2.46E-03	2.32E-03	6.75E-04	6.62E-04	1.34E-03	6.59E-04	6.46E-04	1.30E-03	6.50E-04	6.38E-04	1.29E-03
685	490436.72, 3860135.12	0.01756	0.01723	2.67E-03	2.73E-03	2.51E-03	2.57E-03	2.43E-03	7.07E-04	6.93E-04	1.40E-03	6.90E-04	6.77E-04	1.37E-03	6.80E-04	6.68E-04	1.35E-03
686	490486.72, 3860135.12	0.01846	0.01811	2.81E-03	2.87E-03	2.64E-03	2.71E-03	2.55E-03	7.43E-04	7.29E-04	1.47E-03	7.25E-04	7.11E-04	1.44E-03	7.15E-04	7.02E-04	1.42E-03
687	490536.72, 3860135.12	0.01951	0.01914	2.96E-03	3.03E-03	2.79E-03	2.86E-03	2.70E-03	7.85E-04	7.70E-04	1.56E-03	7.66E-04	7.52E-04	1.52E-03	7.56E-04	7.42E-04	1.50E-03
688	490586.72, 3860135.12	0.02068	0.02029	3.14E-03	3.21E-03	2.96E-03	3.03E-03	2.86E-03	8.32E-04	8.17E-04	1.65E-03	8.12E-04	7.97E-04	1.61E-03	8.01E-04	7.86E-04	1.59E-03
689	490636.72, 3860135.12	0.02202	0.02162	3.35E-03	3.42E-03	3.15E-03	3.23E-03	3.05E-03	8.86E-04	8.70E-04	1.76E-03	8.65E-04	8.49E-04	1.71E-03	8.53E-04	8.38E-04	1.69E-03
690	490686.72, 3860135.12	0.02357	0.02317	3.58E-03	3.67E-03	3.37E-03	3.46E-03	3.26E-03	9.49E-04	9.32E-04	1.88E-03	9.26E-04	9.10E-04	1.84E-03	9.13E-04	8.98E-04	1.81E-03
691	490736.72, 3860135.12	0.02542	0.02503	3.86E-03	3.96E-03	3.64E-03	3.73E-03	3.52E-03	1.02E-03	1.01E-03	2.03E-03	9.98E-04	9.83E-04	1.98E-03	9.85E-04	9.70E-04	1.95E-03
692	490786.72, 3860135.12	0.02772	0.02735	4.21E-03	4.33E-03	3.97E-03	4.06E-03	3.83E-03	1.12E-03	1.10E-03	2.22E-03	1.09E-03	1.07E-03	2.16E-03	1.07E-03	1.06E-03	2.13E-03
693	490836.72, 3860135.12	0.03038	0.03006	4.62E-03	4.76E-03	4.35E-03	4.45E-03	4.20E-03	1.22E-03	1.21E-03	2.43E-03	1.19E-03	1.18E-03	2.37E-03	1.18E-03	1.16E-03	2.34E-03
694	490086.72, 3860185.12	0.01209	0.01181	1.84E-03	1.87E-03	1.73E-03	1.77E-03	1.67E-03	4.87E-04	4.75E-04	9.62E-04	4.75E-04	4.64E-04	9.39E-04	4.68E-04	4.58E-04	9.26E-04
695	490136.72, 3860185.12	0.01253	0.01225	1.90E-03	1.94E-03	1.79E-03	1.84E-03	1.73E-03	5.04E-04	4.93E-04	9.97E-04	4.92E-04	4.81E-04	9.73E-04	4.86E-04	4.75E-04	9.60E-04
696	490186.72, 3860185.12	0.01299	0.01272	1.97E-03	2.01E-03	1.86E-03	1.90E-03	1.80E-03	5.23E-04	5.12E-04	1.03E-03	5.10E-04	5.00E-04	1.01E-03	5.03E-04	4.93E-04	9.96E-04
697	490236.72, 3860185.12	0.01347	0.01321	2.05E-03	2.09E-03	1.93E-03	1.98E-03	1.86E-03	5.42E-04	5.32E-04	1.07E-03	5.29E-04	5.19E-04	1.05E-03	5.22E-04	5.12E-04	1.03E-03
698	490286.72, 3860185.12	0.01399	0.01373	2.13E-03	2.17E-03	2.00E-03	2.05E-03	1.93E-03	5.63E-04	5.53E-04	1.12E-03	5.49E-04	5.39E-04	1.09E-03	5.42E-04	5.32E-04	1.07E-03
699	490336.72, 3860185.12	0.01455	0.01428	2.21E-03	2.26E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	5.75E-04	1.16E-03	5.71E-04	5.61E-04	1.13E-03	5.64E-04	5.53E-04	1.12E-03
700	490386.72, 3860185.12	0.01515	0.01488	2.30E-03	2.36E-03	2.17E-03	2.22E-03	2.10E-03	6.10E-04	5.99E-04	1.21E-03	5.95E-04	5.84E-04	1.18E-03	5.87E-04	5.77E-04	1.16E-03
701	490436.72, 3860185.12	0.0158	0.01552	2.40E-03	2.46E-03	2.26E-03	2.32E-03	2.19E-03	6.36E-04	6.25E-04	1.26E-03	6.20E-04	6.09E-04	1.23E-03	6.12E-04	6.01E-04	1.21E-03
702	490486.72, 3860185.12	0.01652	0.01623	2.51E-03	2.57E-03	2.36E-03	2.42E-03	2.28E-03	6.65E-04	6.53E-04	1.32E-03	6.49E-04	6.37E-04	1.29E-03	6.40E-04	6.29E-04	1.27E-03
703	490536.72, 3860185.12	0.01734	0.01703	2.63E-03	2.70E-03	2.48E-03	2.54E-03	2.40E-03	6.98E-04	6.85E-04	1.38E-03	6.81E-04	6.69E-04	1.35E-03	6.72E-04	6.60E-04	1.33E-03
704	490586.72, 3860185.12	0.01828	0.01795	2.78E-03	2.84E-03	2.62E-03	2.68E-03	2.53E-03	7.36E-04	7.22E-04	1.46E-03	7.18E-04	7.05E-04	1.42E-03	7.08E-04	6.96E-04	1.40E-03
705	490636.72, 3860185.12	0.0193	0.01896	2.93E-03	3.00E-03	2.76E-03	2.83E-03	2.67E-03	7.77E-04	7.63E-04	1.54E-03	7.58E-04	7.45E-04	1.50E-03	7.48E-04	7.35E-04	1.48E-03
706	490686.72, 3860185.12	0.0205	0.02015	3.12E-03	3.19E-03	2.93E-03	3.01E-03	2.84E-03	8.25E-04	8.11E-04	1.64E-03	8.05E-04	7.91E-04	1.60E-03	7.94E-04	7.81E-04	1.58E-03
707	490736.72, 3860185.12	0.02184	0.0215	3.32E-03	3.40E-03	3.13E-03	3.20E-03	3.02E-03	8.79E-04	8.65E-04	1.74E-03	8.58E-04	8.44E-04	1.70E-03	8.46E-04	8.33E-04	1.68E-03
708	490786.72, 3860185.12	0.02347	0.02316	3.57E-03	3.67E-03	3.36E-03	3.44E-03	3.25E-03	9.45E-04	9.32E-04	1.88E-03	9.22E-04	9.09E-04	1.83E-03	9.09E-04	8.97E-04	1.81E-03
709	490836.72, 3860185.12	0.02542	0.02515	3.86E-03	3.98E-03	3.64E-03	3.73E-03	3.52E-03	1.02E-03	1.01E-03	2.04E-03	9.98E-04	9.88E-04	1.99E-03	9.85E-04	9.75E-04	1.96E-03
710	490086.72, 3860235.12	0.01125	0.01099	1.71E-03	1.74E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	4.42E-04	8.95E-04	4.42E-04	4.32E-04	8.73E-04	4.36E-04	4.26E-04	8.62E-04
711	490136.72, 3860235.12	0.01162	0.01136	1.77E-03	1.80E-03	1.66E-03	1.70E-03	1.61E-03	4.68E-04	4.57E-04	9.25E-04	4.56E-04	4.46E-04	9.02E-04	4.50E-04	4.40E-04	8.90E-04
712	490186.72, 3860235.12	0.01201	0.01176	1.82E-03	1.86E-03	1.72E-03	1.76E-03	1.66E-03	4.83E-04	4.73E-04	9.57E-04	4.72E-04	4.62E-04	9.33E-04	4.65E-04	4.56E-04	9.21E-04
713	490236.72, 3860235.12	0.01243	0.01218	1.89E-03	1.93E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	4.90E-04	9.90E-04	4.88E-04	4.78E-04	9.66E-04	4.82E-04	4.72E-04	9.54E-04
714	490286.72, 3860235.12	0.01287	0.01262	1.96E-03	2.00E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	5.08E-04	1.03E-03	5.05E-04	4.96E-04	1.00E-03	4.99E-04	4.89E-04	9.88E-04
715	490336.72, 3860235.12	0.01334	0.0131	2.03E-03	2.07E-03	1.91E-03	1.96E-03	1.85E-03	5.37E-04	5.27E-04	1.06E-03	5.24E-04	5.14E-04	1.04E-03	5.17E-04	5.08E-04	1.02E-03
716	490386.72, 3860235.12	0.01385	0.01361	2.10E-03	2.15E-03	1.98E-03	2.03E-03	1.92E-03	5.57E-04	5.48E-04	1.11E-03	5.44E-04	5.34E-04	1.08E-03	5.37E-04	5.27E-04	1.06E-03
717	490436.72, 3860235.12	0.01441	0.01417	2.19E-03	2.24E-03	2.06E-03	2.11E-03	1.99E-03	5.80E-04	5.70E-04	1.15E-03	5.66E-04	5.56E-04	1.12E-03	5.58E-04	5.49E-04	1.11E-03
718	490486.72, 3860235.12	0.01501	0.01476	2.28E-03	2.34E-03	2.15E-03	2.20E-03	2.08E-03	6.04E-04	5.94E-04	1.20E-03	5.89E-04	5.80E-04	1.17E-03	5.82E-04	5.72E-04	1.15E-03
719	490536.72, 3860235.12	0.01568	0.01542	2.38E-03	2.44E-03	2.24E-03	2.30E-03	2.17E-03	6.31E-04	6.21E-04	1.25E-03	6.16E-04	6.06E-04	1.22E-03	6.08E-04	5.98E-04	1.21E-03
720	490586.72, 3860235.12	0.01643	0.01616	2.50E-03	2.56E-03	2.35E-03	2.41E-03	2.27E-03	6.61E-04	6.50E-04	1.31E-03	6.45E-04	6.35E-04	1.28E-03	6.37E-04	6.26E-04	1.26E-03
721	490636.72, 3860235.12	0.01727	0.01699	2.62E-03	2.69E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	6.84E-04	1.38E-03	6.78E-04	6.67E-04	1.35E-03	6.69E-04	6.58E-04	1.33E-03
722	490686.72, 3860235.12	0.01822	0.01793	2.77E-03	2.84E-03	2.61E-03	2.67E-03	2.52E-03	7.33E-04	7.22E-04	1.45E-03	7.15E-04	7.04E-04	1.42E-03	7.06E-04	6.95E-04	1.40E-03

723 490736.72, 3860235.12	0.0193	0.01901	2.93E-03	3.01E-03	2.76E-03	2.83E-03	2.67E-03	7.77E-04	7.65E-04	1.54E-03	7.58E-04	7.47E-04	1.50E-03	7.48E-04	7.37E-04	1.48E-03
724 490786.72, 3860235.12	0.02054	0.02026	3.12E-03	3.21E-03	2.94E-03	3.01E-03	2.84E-03	8.27E-04	8.15E-04	1.64E-03	8.07E-04	7.96E-04	1.60E-03	7.96E-04	7.85E-04	1.58E-03
725 490086.72, 3860285.12	0.01054	0.01029	1.60E-03	1.63E-03	1.51E-03	1.55E-03	1.46E-03	4.24E-04	4.14E-04	8.38E-04	4.14E-04	4.04E-04	8.18E-04	4.08E-04	3.99E-04	8.07E-04
726 490136.72, 3860285.12	0.01086	0.01061	1.65E-03	1.68E-03	1.55E-03	1.59E-03	1.50E-03	4.37E-04	4.27E-04	8.64E-04	4.26E-04	4.17E-04	8.43E-04	4.21E-04	4.11E-04	8.32E-04
727 490186.72, 3860285.12	0.01119	0.01095	1.70E-03	1.73E-03	1.60E-03	1.64E-03	1.55E-03	4.50E-04	4.41E-04	8.91E-04	4.39E-04	4.30E-04	8.69E-04	4.34E-04	4.24E-04	8.58E-04
728 490236.72, 3860285.12	0.01156	0.01132	1.76E-03	1.79E-03	1.65E-03	1.70E-03	1.60E-03	4.65E-04	4.56E-04	9.21E-04	4.54E-04	4.45E-04	8.98E-04	4.48E-04	4.39E-04	8.87E-04
729 490286.72, 3860285.12	0.01194	0.0117	1.81E-03	1.85E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	4.71E-04	9.51E-04	4.69E-04	4.59E-04	9.28E-04	4.63E-04	4.53E-04	9.16E-04
730 490336.72, 3860285.12	0.01234	0.01212	1.88E-03	1.92E-03	1.77E-03	1.81E-03	1.71E-03	4.97E-04	4.88E-04	9.84E-04	4.85E-04	4.76E-04	9.61E-04	4.78E-04	4.70E-04	9.48E-04
731 490386.72, 3860285.12	0.01279	0.01257	1.94E-03	1.99E-03	1.83E-03	1.88E-03	1.77E-03	5.15E-04	5.06E-04	1.02E-03	5.02E-04	4.94E-04	9.96E-04	4.96E-04	4.87E-04	9.83E-04
732 490436.72, 3860285.12	0.01326	0.01305	2.01E-03	2.07E-03	1.90E-03	1.94E-03	1.83E-03	5.34E-04	5.25E-04	1.06E-03	5.21E-04	5.12E-04	1.03E-03	5.14E-04	5.06E-04	1.02E-03
733 490486.72, 3860285.12	0.01378	0.01356	2.09E-03	2.15E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	5.46E-04	1.10E-03	5.41E-04	5.32E-04	1.07E-03	5.34E-04	5.25E-04	1.06E-03
734 490536.72, 3860285.12	0.01434	0.01412	2.18E-03	2.24E-03	2.05E-03	2.10E-03	1.98E-03	5.77E-04	5.68E-04	1.15E-03	5.63E-04	5.54E-04	1.12E-03	5.56E-04	5.47E-04	1.10E-03
735 490586.72, 3860285.12	0.01496	0.01473	2.27E-03	2.33E-03	2.14E-03	2.19E-03	2.07E-03	6.02E-04	5.93E-04	1.19E-03	5.87E-04	5.78E-04	1.17E-03	5.80E-04	5.71E-04	1.15E-03
736 490636.72, 3860285.12	0.01567	0.01543	2.38E-03	2.44E-03	2.24E-03	2.30E-03	2.17E-03	6.31E-04	6.21E-04	1.25E-03	6.15E-04	6.06E-04	1.22E-03	6.07E-04	5.98E-04	1.21E-03
737 490686.72, 3860285.12	0.01646	0.01621	2.50E-03	2.57E-03	2.36E-03	2.41E-03	2.28E-03	6.62E-04	6.52E-04	1.31E-03	6.46E-04	6.37E-04	1.28E-03	6.38E-04	6.28E-04	1.27E-03
738 490736.72, 3860285.12	0.01735	0.01709	2.64E-03	2.71E-03	2.48E-03	2.54E-03	2.40E-03	6.98E-04	6.88E-04	1.39E-03	6.81E-04	6.71E-04	1.35E-03	6.72E-04	6.62E-04	1.33E-03
739 490786.72, 3860285.12	0.01837	0.01811	2.79E-03	2.87E-03	2.63E-03	2.69E-03	2.54E-03	7.39E-04	7.29E-04	1.47E-03	7.21E-04	7.11E-04	1.43E-03	7.12E-04	7.02E-04	1.41E-03
740 490086.72, 3860335.12	0.00994	0.00971	1.51E-03	1.54E-03	1.42E-03	1.46E-03	1.37E-03	4.00E-04	3.91E-04	7.91E-04	3.90E-04	3.81E-04	7.72E-04	3.85E-04	3.76E-04	7.61E-04
741 490136.72, 3860335.12	0.01022	0.00999	1.55E-03	1.58E-03	1.46E-03	1.50E-03	1.41E-03	4.11E-04	4.02E-04	8.13E-04	4.01E-04	3.92E-04	7.94E-04	3.96E-04	3.87E-04	7.83E-04
742 490186.72, 3860335.12	0.01051	0.01028	1.60E-03	1.63E-03	1.50E-03	1.54E-03	1.45E-03	4.23E-04	4.14E-04	8.37E-04	4.13E-04	4.04E-04	8.16E-04	4.07E-04	3.98E-04	8.06E-04
743 490236.72, 3860335.12	0.01083	0.0106	1.65E-03	1.68E-03	1.55E-03	1.59E-03	1.50E-03	4.36E-04	4.27E-04	8.62E-04	4.25E-04	4.16E-04	8.42E-04	4.20E-04	4.11E-04	8.30E-04
744 490286.72, 3860335.12	0.01115	0.01093	1.69E-03	1.73E-03	1.60E-03	1.63E-03	1.54E-03	4.49E-04	4.40E-04	8.89E-04	4.38E-04	4.29E-04	8.67E-04	4.32E-04	4.24E-04	8.56E-04
745 490336.72, 3860335.12	0.01151	0.01129	1.75E-03	1.79E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	4.54E-04	9.18E-04	4.52E-04	4.43E-04	8.95E-04	4.46E-04	4.37E-04	8.83E-04
746 490386.72, 3860335.12	0.01189	0.01169	1.81E-03	1.85E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.70E-04	9.49E-04	4.67E-04	4.59E-04	9.26E-04	4.61E-04	4.53E-04	9.14E-04
747 490436.72, 3860335.12	0.01231	0.01211	1.87E-03	1.92E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	4.87E-04	9.83E-04	4.83E-04	4.76E-04	9.59E-04	4.77E-04	4.69E-04	9.46E-04
748 490486.72, 3860335.12	0.01275	0.01256	1.94E-03	1.99E-03	1.83E-03	1.87E-03	1.76E-03	5.13E-04	5.05E-04	1.02E-03	5.01E-04	4.93E-04	9.94E-04	4.94E-04	4.87E-04	9.81E-04
749 490536.72, 3860335.12	0.01325	0.01305	2.01E-03	2.07E-03	1.90E-03	1.94E-03	1.83E-03	5.33E-04	5.25E-04	1.06E-03	5.20E-04	5.12E-04	1.03E-03	5.13E-04	5.06E-04	1.02E-03
750 490586.72, 3860335.12	0.01378	0.01358	2.09E-03	2.15E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	5.47E-04	1.10E-03	5.41E-04	5.33E-04	1.07E-03	5.34E-04	5.26E-04	1.06E-03
751 490636.72, 3860335.12	0.01438	0.01417	2.19E-03	2.24E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	5.70E-04	1.15E-03	5.65E-04	5.56E-04	1.12E-03	5.57E-04	5.49E-04	1.11E-03
752 490686.72, 3860335.12	0.01504	0.01483	2.29E-03	2.35E-03	2.15E-03	2.21E-03	2.08E-03	6.05E-04	5.97E-04	1.20E-03	5.91E-04	5.82E-04	1.17E-03	5.83E-04	5.75E-04	1.16E-03
753 490736.72, 3860335.12	0.01579	0.01557	2.40E-03	2.47E-03	2.26E-03	2.32E-03	2.18E-03	6.35E-04	6.27E-04	1.26E-03	6.20E-04	6.11E-04	1.23E-03	6.12E-04	6.03E-04	1.22E-03
754 490786.72, 3860335.12	0.01665	0.01643	2.53E-03	2.60E-03	2.38E-03	2.44E-03	2.30E-03	6.70E-04	6.61E-04	1.33E-03	6.54E-04	6.45E-04	1.30E-03	6.45E-04	6.37E-04	1.28E-03
755 490086.72, 3860385.12	0.00944	0.00922	1.43E-03	1.46E-03	1.35E-03	1.38E-03	1.31E-03	3.80E-04	3.71E-04	7.51E-04	3.71E-04	3.62E-04	7.33E-04	3.66E-04	3.57E-04	7.23E-04
756 490136.72, 3860385.12	0.00968	0.00946	1.47E-03	1.50E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.81E-04	7.70E-04	3.80E-04	3.71E-04	7.52E-04	3.75E-04	3.67E-04	7.42E-04
757 490186.72, 3860385.12	0.00993	0.00971	1.51E-03	1.54E-03	1.42E-03	1.46E-03	1.37E-03	4.00E-04	3.91E-04	7.90E-04	3.90E-04	3.81E-04	7.71E-04	3.85E-04	3.76E-04	7.61E-04
758 490236.72, 3860385.12	0.0102	0.00998	1.55E-03	1.58E-03	1.46E-03	1.50E-03	1.41E-03	4.10E-04	4.02E-04	8.12E-04	4.01E-04	3.92E-04	7.92E-04	3.95E-04	3.87E-04	7.82E-04
759 490286.72, 3860385.12	0.01049	0.01028	1.59E-03	1.63E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	4.14E-04	8.36E-04	4.12E-04	4.04E-04	8.16E-04	4.06E-04	3.98E-04	8.05E-04
760 490336.72, 3860385.12	0.0108	0.0106	1.64E-03	1.68E-03	1.55E-03	1.58E-03	1.49E-03	4.35E-04	4.27E-04	8.61E-04	4.24E-04	4.16E-04	8.40E-04	4.18E-04	4.11E-04	8.29E-04
761 490386.72, 3860385.12	0.01114	0.01094	1.69E-03	1.73E-03	1.59E-03	1.63E-03	1.54E-03	4.48E-04	4.40E-04	8.89E-04	4.37E-04	4.30E-04	8.67E-04	4.32E-04	4.24E-04	8.56E-04
762 490436.72, 3860385.12	0.0115	0.01131	1.75E-03	1.79E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	4.55E-04	9.18E-04	4.52E-04	4.44E-04	8.96E-04	4.46E-04	4.38E-04	8.84E-04
763 490486.72, 3860385.12	0.01189	0.01171	1.81E-03	1.85E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.71E-04	9.50E-04	4.67E-04	4.60E-04	9.27E-04	4.61E-04	4.54E-04	9.14E-04
764 490536.72, 3860385.12	0.01232	0.01215	1.87E-03	1.92E-03	1.76E-03	1.81E-03	1.70E-03	4.96E-04	4.89E-04	9.85E-04	4.84E-04	4.77E-04	9.61E-04	4.77E-04	4.71E-04	9.48E-04
765 490586.72, 3860385.12	0.01279	0.01262	1.94E-03	2.00E-03	1.83E-03	1.88E-03	1.77E-03	5.15E-04	5.08E-04	1.02E-03	5.02E-04	4.96E-04	9.98E-04	4.96E-04	4.89E-04	9.85E-04
766 490636.72, 3860385.12	0.0133	0.01312	2.02E-03	2.08E-03	1.90E-03	1.95E-03	1.84E-03	5.35E-04	5.28E-04	1.06E-03	5.22E-04	5.15E-04	1.04E-03	5.15E-04	5.08E-04	1.02E-03
767 490686.72, 3860385.12	0.01388	0.0137	2.11E-03	2.17E-03	1.99E-03	2.04E-03	1.92E-03	5.59E-04	5.51E-04	1.11E-03	5.45E-04	5.38E-04	1.08E-03	5.38E-04	5.31E-04	1.07E-03
768 490736.72, 3860385.12	0.01451	0.01432	2.20E-03	2.27E-03	2.08E-03	2.13E-03	2.01E-03	5.84E-04	5.76E-04	1.16E-03	5.70E-04	5.62E-04	1.13E-03	5.62E-04	5.55E-04	1.12E-03
769 490786.72, 3860385.12	0.01523	0.01503	2.31E-03	2.38E-03	2.18E-03	2.23E-03	2.11E-03	6.13E-04	6.05E-04	1.22E-03	5.98E-04	5.90E-04	1.19E-03	5.90E-04	5.82E-04	1.17E-03
770 490136.72, 3860435.12	0.00922	0.00902	1.40E-03	1.43E-03	1.32E-03	1.35E-03	1.28E-03	3.71E-04	3.63E-04	7.34E-04	3.62E-04	3.54E-04	7.16E-04	3.57E-04	3.50E-04	7.07E-04
771 490186.72, 3860435.12	0.00945	0.00924	1.44E-03	1.46E-03	1.35E-03	1.39E-03	1.31E-03	3.80E-04	3.72E-04	7.52E-04	3.71E-04	3.63E-04	7.34E-04	3.66E-04	3.58E-04	7.24E-04
772 490236.72, 3860435.12	0.00968	0.00948	1.47E-03	1.50E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.82E-04	7.71E-04	3.80E-04	3.72E-04	7.52E-04	3.75E-04	3.67E-04	7.42E-04
773 490286.72, 3860435.12	0.00993	0.00973	1.51E-03	1.54E-03	1.42E-03	1.46E-03	1.37E-03	4.00E-04	3.92E-04	7.91E-04	3.90E-04	3.82E-04	7.72E-04	3.85E-04	3.77E-04	7.62E-04
774 490336.72, 3860435.12	0.0102	0.01	1.55E-03	1.58E-03	1.46E-03	1.50E-03	1.41E-03	4.10E-04	4.02E-04	8.13E-04	4.01E-04	3.93E-04	7.93E-04	3.95E-04	3.87E-04	7.83E-04
775 490386.72, 3860435.12	0.0105	0.01031	1.60E-03	1.63E-03	1.50E-03	1.54E-03	1.45E-03	4.23E-04	4.15E-04	8.37E-04	4.12E-04	4.05E-04	8.17E-04	4.07E-04	3.99E-04	8.06E-04
776 490436.72, 3860435.12	0.01082	0.01063	1.64E-03	1.68E-03	1.55E-03	1.59E-03	1.50E-03	4.35E-04	4.28E-04	8.63E-04	4.25E-04	4.17E-04	8.42E-04	4.19E-04	4.12E-04	8.31E-04
777 490486.72, 3860435.12	0.01116	0.01099	1.70E-03	1.74E-03	1.60E-03	1.64E-03	1.54E-03	4.49E-04	4.42E-04	8.91E-04	4.38E-04	4.32E-04	8.70E-04	4.32E-04	4.26E-04	8.58E-04
778 490536.72, 3860435.12	0.01154	0.01137	1.75E-03	1.80E-03	1.65E-03	1.69E-03	1.60E-03	4.64E-04	4.58E-04	9.22E-04	4.53E-04	4.46E-04	9.00E-04	4.47E-04	4.41E-04	8.88E-04
779 490586.72, 3860435.12	0.01194	0.01178	1.81E-03	1.87E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	4.74E-04	9.55E-04	4.69E-04	4.63E-04	9.31E-04	4.63E-04	4.56E-04	9.19E-04
780 490636.72, 3860435.12	0.01239	0.01223	1.88E-03	1.94E-03	1.77E-03	1.82E-03	1.71E-03	4.99E-04	4.92E-04	9.91E-04	4.87E-04	4.80E-04	9.67E-04	4.80E-04	4.74E-04	9.54E-04
781 490686.72, 3860435.12	0.01289	0.01273	1.96E-03	2.02E-03	1.85E-03	1.89E-03	1.78E-03	5.19E-04	5.12E-04	1.03E-03	5.06E-04	5.00E-04	1.01E-03	4.99E-04	4.93E-04	9.93E-04
782 490736.72, 3860435.12	0.01345	0.01328	2.04E-03	2.10E-03	1.93E-03	1.97E-03	1.86E-03	5.41E-04	5.34E-04	1.08E-03	5.28E-04	5.22E-04	1.05E-03	5.21E-04	5.15E-04	1.04E-03
783 490786.72, 3860435.12	0.01406	0.01388	2.14E-03	2.20E-03	2.01E-03	2.06E-03	1.94E-03	5.66E-04	5.59E-04	1.12E-03	5.52E-04	5.45E-04	1.10E-03	5.45E-04	5.38E-04	1.08E-03
784 490136.72, 3860485.12	0.00885	0.00866	1.34E-03	1.37E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.49E-04	7.05E-04	3.48E-04	3.40E-04	6.88E-04	3.43E-04	3.36E-04	6.78E-04
785 490186.72, 3860485.12	0.00904	0.00885	1.37E-03	1.40E-03	1.29E-03	1.33E-03	1.25E-03	3.64E-04	3.56E-04	7.20E-04	3.55E-04	3.48E-04	7.03E-04	3.50E-04	3.43E-04	6.93E-04
786 490236.72, 3860485.12	0.00925	0.00905	1.41E-03	1.43E-03	1.32E-03	1.36E-03	1.28E-03	3.72E-04	3.64E-04	7.36E-04	3.63E-04	3.55E-04	7.19E-04	3.58E-04	3.51E-04	7.09E-04
787 490286.72, 3860485.12	0.00947	0.00928	1.44E-03	1.47E-03	1.36E-03	1.39E-03	1.31E-03	3.81E-04	3.73E-04	7.55E-04	3.72E-04	3.64E-04	7.36E-04	3.67E-04	3.60E-04	7.27E-04
788 490336.72, 3860485.12	0.00971	0.00952	1.48E-03	1.51E-03	1.39E-03	1.42E-03	1.34E-03	3.91E-04	3.83E-04	7.74E-04	3.81E-04	3.74E-04	7.55E-04	3.76E-04	3.69E-04	7.45E-04

789 490386.72, 3860485.12	0.00997	0.00978	1.51E-03	1.55E-03	1.43E-03	1.46E-03	1.38E-03	4.01E-04	3.94E-04	7.95E-04	3.92E-04	3.84E-04	7.76E-04	3.86E-04	3.79E-04	7.65E-04
790 490436.72, 3860485.12	0.01025	0.01007	1.56E-03	1.59E-03	1.47E-03	1.50E-03	1.42E-03	4.12E-04	4.05E-04	8.18E-04	4.03E-04	3.95E-04	7.98E-04	3.97E-04	3.90E-04	7.87E-04
791 490486.72, 3860485.12	0.01055	0.01038	1.60E-03	1.64E-03	1.51E-03	1.55E-03	1.46E-03	4.25E-04	4.18E-04	8.42E-04	4.14E-04	4.08E-04	8.22E-04	4.09E-04	4.02E-04	8.11E-04
792 490536.72, 3860485.12	0.01087	0.01071	1.65E-03	1.70E-03	1.56E-03	1.59E-03	1.50E-03	4.37E-04	4.31E-04	8.68E-04	4.27E-04	4.21E-04	8.47E-04	4.21E-04	4.15E-04	8.36E-04
793 490586.72, 3860485.12	0.01123	0.01107	1.71E-03	1.75E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	4.45E-04	8.97E-04	4.41E-04	4.35E-04	8.76E-04	4.35E-04	4.29E-04	8.64E-04
794 490636.72, 3860485.12	0.01162	0.01147	1.77E-03	1.82E-03	1.66E-03	1.70E-03	1.61E-03	4.68E-04	4.62E-04	9.29E-04	4.56E-04	4.50E-04	9.07E-04	4.50E-04	4.44E-04	8.95E-04
795 490686.72, 3860485.12	0.01205	0.0119	1.83E-03	1.88E-03	1.73E-03	1.77E-03	1.67E-03	4.85E-04	4.79E-04	9.64E-04	4.73E-04	4.67E-04	9.41E-04	4.67E-04	4.61E-04	9.28E-04
796 490736.72, 3860485.12	0.01253	0.01238	1.90E-03	1.96E-03	1.79E-03	1.84E-03	1.73E-03	5.04E-04	4.98E-04	1.00E-03	4.92E-04	4.86E-04	9.78E-04	4.86E-04	4.80E-04	9.65E-04
797 490786.72, 3860485.12	0.01307	0.01291	1.99E-03	2.04E-03	1.87E-03	1.92E-03	1.81E-03	5.26E-04	5.20E-04	1.05E-03	5.13E-04	5.07E-04	1.02E-03	5.06E-04	5.00E-04	1.01E-03
798 490136.72, 3860535.12	0.00852	0.00834	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.36E-04	6.78E-04	3.35E-04	3.28E-04	6.62E-04	3.30E-04	3.23E-04	6.53E-04
799 490186.72, 3860535.12	0.0087	0.00852	1.32E-03	1.35E-03	1.25E-03	1.28E-03	1.20E-03	3.50E-04	3.43E-04	6.93E-04	3.42E-04	3.35E-04	6.76E-04	3.37E-04	3.30E-04	6.67E-04
800 490236.72, 3860535.12	0.00889	0.0087	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.50E-04	7.08E-04	3.49E-04	3.42E-04	6.91E-04	3.44E-04	3.37E-04	6.82E-04
801 490286.72, 3860535.12	0.00908	0.00889	1.38E-03	1.41E-03	1.30E-03	1.33E-03	1.26E-03	3.65E-04	3.58E-04	7.23E-04	3.57E-04	3.49E-04	7.06E-04	3.52E-04	3.44E-04	6.96E-04
802 490336.72, 3860535.12	0.0093	0.00911	1.41E-03	1.44E-03	1.33E-03	1.36E-03	1.29E-03	3.74E-04	3.67E-04	7.41E-04	3.65E-04	3.58E-04	7.23E-04	3.60E-04	3.53E-04	7.13E-04
803 490386.72, 3860535.12	0.00953	0.00934	1.45E-03	1.48E-03	1.36E-03	1.40E-03	1.32E-03	3.84E-04	3.76E-04	7.59E-04	3.74E-04	3.67E-04	7.41E-04	3.69E-04	3.62E-04	7.31E-04
804 490436.72, 3860535.12	0.00977	0.0096	1.48E-03	1.52E-03	1.40E-03	1.43E-03	1.35E-03	3.93E-04	3.86E-04	7.80E-04	3.84E-04	3.77E-04	7.61E-04	3.79E-04	3.72E-04	7.51E-04
805 490486.72, 3860535.12	0.01004	0.00987	1.53E-03	1.56E-03	1.44E-03	1.47E-03	1.39E-03	4.04E-04	3.97E-04	8.01E-04	3.94E-04	3.88E-04	7.82E-04	3.89E-04	3.82E-04	7.71E-04
806 490536.72, 3860535.12	0.01034	0.01018	1.57E-03	1.61E-03	1.48E-03	1.52E-03	1.43E-03	4.16E-04	4.10E-04	8.26E-04	4.06E-04	4.00E-04	8.06E-04	4.01E-04	3.94E-04	7.95E-04
807 490586.72, 3860535.12	0.01063	0.01048	1.62E-03	1.66E-03	1.52E-03	1.56E-03	1.47E-03	4.28E-04	4.22E-04	8.50E-04	4.17E-04	4.12E-04	8.29E-04	4.12E-04	4.06E-04	8.18E-04
808 490636.72, 3860535.12	0.01097	0.01082	1.67E-03	1.71E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	4.35E-04	8.77E-04	4.31E-04	4.25E-04	8.56E-04	4.25E-04	4.19E-04	8.44E-04
809 490686.72, 3860535.12	0.01135	0.0112	1.72E-03	1.77E-03	1.62E-03	1.66E-03	1.57E-03	4.57E-04	4.51E-04	9.07E-04	4.46E-04	4.40E-04	8.86E-04	4.40E-04	4.34E-04	8.74E-04
810 490736.72, 3860535.12	0.01176	0.01162	1.79E-03	1.84E-03	1.68E-03	1.72E-03	1.63E-03	4.73E-04	4.68E-04	9.41E-04	4.62E-04	4.56E-04	9.18E-04	4.56E-04	4.50E-04	9.06E-04
811 490786.72, 3860535.12	0.01222	0.01208	1.86E-03	1.91E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	4.86E-04	9.78E-04	4.80E-04	4.74E-04	9.54E-04	4.74E-04	4.68E-04	9.42E-04
812 490136.72, 3860585.12	0.00822	0.00805	1.25E-03	1.27E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.24E-04	6.55E-04	3.23E-04	3.16E-04	6.39E-04	3.19E-04	3.12E-04	6.30E-04
813 490186.72, 3860585.12	0.00838	0.0082	1.27E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.37E-04	3.30E-04	6.67E-04	3.29E-04	3.22E-04	6.51E-04	3.25E-04	3.18E-04	6.42E-04
814 490236.72, 3860585.12	0.00856	0.00838	1.30E-03	1.33E-03	1.23E-03	1.26E-03	1.18E-03	3.44E-04	3.37E-04	6.82E-04	3.36E-04	3.29E-04	6.65E-04	3.32E-04	3.25E-04	6.56E-04
815 490286.72, 3860585.12	0.00874	0.00856	1.33E-03	1.36E-03	1.25E-03	1.28E-03	1.21E-03	3.52E-04	3.44E-04	6.96E-04	3.43E-04	3.36E-04	6.79E-04	3.39E-04	3.32E-04	6.70E-04
816 490336.72, 3860585.12	0.00894	0.00876	1.36E-03	1.39E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	3.53E-04	7.12E-04	3.51E-04	3.44E-04	6.95E-04	3.46E-04	3.39E-04	6.86E-04
817 490386.72, 3860585.12	0.00915	0.00896	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.27E-03	3.68E-04	3.61E-04	7.29E-04	3.59E-04	3.52E-04	7.11E-04	3.55E-04	3.47E-04	7.02E-04
818 490436.72, 3860585.12	0.00937	0.0092	1.42E-03	1.46E-03	1.34E-03	1.37E-03	1.30E-03	3.77E-04	3.70E-04	7.47E-04	3.68E-04	3.61E-04	7.29E-04	3.63E-04	3.56E-04	7.20E-04
819 490486.72, 3860585.12	0.00961	0.00944	1.46E-03	1.49E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.80E-04	7.67E-04	3.77E-04	3.71E-04	7.48E-04	3.72E-04	3.66E-04	7.38E-04
820 490536.72, 3860585.12	0.00987	0.00971	1.50E-03	1.54E-03	1.41E-03	1.45E-03	1.37E-03	3.97E-04	3.91E-04	7.88E-04	3.88E-04	3.81E-04	7.69E-04	3.82E-04	3.76E-04	7.59E-04
821 490586.72, 3860585.12	0.01013	0.00997	1.54E-03	1.58E-03	1.45E-03	1.49E-03	1.40E-03	4.08E-04	4.01E-04	8.09E-04	3.98E-04	3.92E-04	7.89E-04	3.93E-04	3.86E-04	7.79E-04
822 490636.72, 3860585.12	0.01043	0.01028	1.58E-03	1.63E-03	1.49E-03	1.53E-03	1.44E-03	4.20E-04	4.14E-04	8.33E-04	4.10E-04	4.04E-04	8.13E-04	4.04E-04	3.98E-04	8.02E-04
823 490686.72, 3860585.12	0.01075	0.01061	1.63E-03	1.68E-03	1.54E-03	1.58E-03	1.49E-03	4.33E-04	4.27E-04	8.60E-04	4.22E-04	4.17E-04	8.39E-04	4.17E-04	4.11E-04	8.28E-04
824 490736.72, 3860585.12	0.01111	0.01098	1.69E-03	1.74E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	4.42E-04	8.89E-04	4.36E-04	4.31E-04	8.67E-04	4.30E-04	4.25E-04	8.56E-04
825 490786.72, 3860585.12	0.01151	0.01137	1.75E-03	1.80E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	4.58E-04	9.21E-04	4.52E-04	4.46E-04	8.98E-04	4.46E-04	4.41E-04	8.87E-04
826 490136.72, 3860635.12	0.00792	0.00776	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.10E-03	3.19E-04	3.12E-04	6.31E-04	3.11E-04	3.05E-04	6.16E-04	3.07E-04	3.01E-04	6.08E-04
827 490186.72, 3860635.12	0.00808	0.00792	1.23E-03	1.25E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.19E-04	6.44E-04	3.17E-04	3.11E-04	6.28E-04	3.13E-04	3.07E-04	6.20E-04
828 490236.72, 3860635.12	0.00825	0.00808	1.25E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.25E-04	6.57E-04	3.24E-04	3.17E-04	6.41E-04	3.20E-04	3.13E-04	6.33E-04
829 490286.72, 3860635.12	0.00842	0.00825	1.28E-03	1.31E-03	1.21E-03	1.23E-03	1.16E-03	3.39E-04	3.32E-04	6.71E-04	3.31E-04	3.24E-04	6.55E-04	3.26E-04	3.20E-04	6.46E-04
830 490336.72, 3860635.12	0.00861	0.00843	1.31E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.39E-04	6.86E-04	3.38E-04	3.31E-04	6.69E-04	3.34E-04	3.27E-04	6.60E-04
831 490386.72, 3860635.12	0.0088	0.00863	1.34E-03	1.37E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.47E-04	7.01E-04	3.46E-04	3.39E-04	6.84E-04	3.41E-04	3.34E-04	6.75E-04
832 490436.72, 3860635.12	0.00901	0.00883	1.37E-03	1.40E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	3.55E-04	7.18E-04	3.54E-04	3.47E-04	7.01E-04	3.49E-04	3.42E-04	6.91E-04
833 490486.72, 3860635.12	0.00923	0.00906	1.40E-03	1.43E-03	1.32E-03	1.35E-03	1.28E-03	3.71E-04	3.65E-04	7.36E-04	3.62E-04	3.56E-04	7.18E-04	3.58E-04	3.51E-04	7.09E-04
834 490536.72, 3860635.12	0.00947	0.0093	1.44E-03	1.47E-03	1.36E-03	1.39E-03	1.31E-03	3.81E-04	3.74E-04	7.55E-04	3.72E-04	3.65E-04	7.37E-04	3.67E-04	3.60E-04	7.27E-04
835 490586.72, 3860635.12	0.00971	0.00955	1.48E-03	1.51E-03	1.39E-03	1.42E-03	1.34E-03	3.91E-04	3.84E-04	7.75E-04	3.81E-04	3.75E-04	7.56E-04	3.76E-04	3.70E-04	7.46E-04
836 490636.72, 3860635.12	0.00998	0.00983	1.52E-03	1.56E-03	1.43E-03	1.46E-03	1.38E-03	4.02E-04	3.96E-04	7.97E-04	3.92E-04	3.86E-04	7.78E-04	3.87E-04	3.81E-04	7.68E-04
837 490686.72, 3860635.12	0.01026	0.01012	1.56E-03	1.60E-03	1.47E-03	1.50E-03	1.42E-03	4.13E-04	4.07E-04	8.20E-04	4.03E-04	3.97E-04	8.00E-04	3.98E-04	3.92E-04	7.90E-04
838 490736.72, 3860635.12	0.01057	0.01044	1.61E-03	1.65E-03	1.51E-03	1.55E-03	1.46E-03	4.25E-04	4.20E-04	8.46E-04	4.15E-04	4.10E-04	8.25E-04	4.10E-04	4.05E-04	8.14E-04
839 490786.72, 3860635.12	0.01092	0.01079	1.66E-03	1.71E-03	1.56E-03	1.60E-03	1.51E-03	4.39E-04	4.34E-04	8.74E-04	4.29E-04	4.24E-04	8.53E-04	4.23E-04	4.18E-04	8.41E-04
840 490136.72, 3860685.12	0.00762	0.00747	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.07E-04	3.01E-04	6.07E-04	2.99E-04	2.93E-04	5.93E-04	2.95E-04	2.89E-04	5.85E-04
841 490186.72, 3860685.12	0.00777	0.00762	1.18E-03	1.21E-03	1.11E-03	1.14E-03	1.07E-03	3.13E-04	3.07E-04	6.19E-04	3.05E-04	2.99E-04	6.04E-04	3.01E-04	2.95E-04	5.96E-04
842 490236.72, 3860685.12	0.00794	0.00778	1.21E-03	1.23E-03	1.14E-03	1.16E-03	1.10E-03	3.20E-04	3.13E-04	6.33E-04	3.12E-04	3.06E-04	6.17E-04	3.08E-04	3.01E-04	6.09E-04
843 490286.72, 3860685.12	0.0081	0.00794	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.20E-04	6.46E-04	3.18E-04	3.12E-04	6.30E-04	3.14E-04	3.08E-04	6.22E-04
844 490336.72, 3860685.12	0.00829	0.00812	1.26E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.27E-04	6.60E-04	3.26E-04	3.19E-04	6.44E-04	3.21E-04	3.15E-04	6.36E-04
845 490386.72, 3860685.12	0.00847	0.0083	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.34E-04	6.75E-04	3.33E-04	3.26E-04	6.59E-04	3.28E-04	3.22E-04	6.50E-04
846 490436.72, 3860685.12	0.00866	0.00849	1.32E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.42E-04	6.90E-04	3.40E-04	3.33E-04	6.73E-04	3.36E-04	3.29E-04	6.65E-04
847 490486.72, 3860685.12	0.00887	0.0087	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	3.50E-04	7.07E-04	3.48E-04	3.42E-04	6.90E-04	3.44E-04	3.37E-04	6.81E-04
848 490536.72, 3860685.12	0.00909	0.00892	1.38E-03	1.41E-03	1.30E-03	1.33E-03	1.26E-03	3.66E-04	3.59E-04	7.25E-04	3.57E-04	3.50E-04	7.07E-04	3.52E-04	3.46E-04	6.98E-04
849 490586.72, 3860685.12	0.00932	0.00916	1.42E-03	1.45E-03	1.33E-03	1.37E-03	1.29E-03	3.75E-04	3.69E-04	7.44E-04	3.66E-04	3.60E-04	7.26E-04	3.61E-04	3.55E-04	7.16E-04
850 490636.72, 3860685.12	0.00957	0.00942	1.45E-03	1.49E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	3.79E-04	7.64E-04	3.76E-04	3.70E-04	7.46E-04	3.71E-04	3.65E-04	7.36E-04
851 490686.72, 3860685.12	0.00984	0.00969	1.50E-03	1.53E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	3.90E-04	7.86E-04	3.86E-04	3.81E-04	7.67E-04	3.81E-04	3.75E-04	7.57E-04
852 490736.72, 3860685.12	0.01012	0.00998	1.54E-03	1.58E-03	1.45E-03	1.48E-03	1.40E-03	4.07E-04	4.02E-04	8.09E-04	3.97E-04	3.92E-04	7.89E-04	3.92E-04	3.87E-04	7.79E-04
853 490786.72, 3860685.12	0.01043	0.0103	1.58E-03	1.63E-03	1.49E-03	1.53E-03	1.44E-03	4.20E-04	4.15E-04	8.34E-04	4.10E-04	4.04E-04	8.14E-04	4.04E-04	3.99E-04	8.03E-04
854 490136.72, 3860735.12	0.00732	0.00718	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.89E-04	5.84E-04	2.87E-04	2.82E-04	5.69E-04	2.84E-04	2.78E-04	5.62E-04

855	490186.72, 3860735.12	0.00746	0.00732	1.13E-03	1.16E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.95E-04	5.95E-04	2.93E-04	2.87E-04	5.80E-04	2.89E-04	2.84E-04	5.73E-04
856	490236.72, 3860735.12	0.00762	0.00747	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.07E-04	3.01E-04	6.07E-04	2.99E-04	2.93E-04	5.93E-04	2.95E-04	2.89E-04	5.85E-04
857	490286.72, 3860735.12	0.00778	0.00763	1.18E-03	1.21E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.07E-04	6.20E-04	3.06E-04	3.00E-04	6.05E-04	3.01E-04	2.96E-04	5.97E-04
858	490336.72, 3860735.12	0.00795	0.0078	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.14E-04	6.34E-04	3.12E-04	3.06E-04	6.18E-04	3.08E-04	3.02E-04	6.10E-04
859	490386.72, 3860735.12	0.00814	0.00798	1.24E-03	1.26E-03	1.17E-03	1.19E-03	1.13E-03	3.28E-04	3.21E-04	6.49E-04	3.20E-04	3.13E-04	6.33E-04	3.15E-04	3.09E-04	6.25E-04
860	490436.72, 3860735.12	0.00833	0.00817	1.27E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	3.29E-04	6.64E-04	3.27E-04	3.21E-04	6.48E-04	3.23E-04	3.17E-04	6.39E-04
861	490486.72, 3860735.12	0.00853	0.00836	1.30E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.36E-04	6.80E-04	3.35E-04	3.28E-04	6.63E-04	3.31E-04	3.24E-04	6.54E-04
862	490536.72, 3860735.12	0.00872	0.00856	1.33E-03	1.36E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	3.44E-04	6.95E-04	3.42E-04	3.36E-04	6.79E-04	3.38E-04	3.32E-04	6.70E-04
863	490586.72, 3860735.12	0.00894	0.00878	1.36E-03	1.39E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	3.53E-04	7.13E-04	3.51E-04	3.45E-04	6.96E-04	3.46E-04	3.40E-04	6.87E-04
864	490636.72, 3860735.12	0.00918	0.00902	1.39E-03	1.43E-03	1.31E-03	1.35E-03	1.27E-03	3.69E-04	3.63E-04	7.32E-04	3.60E-04	3.54E-04	7.15E-04	3.56E-04	3.50E-04	7.05E-04
865	490686.72, 3860735.12	0.00943	0.00928	1.43E-03	1.47E-03	1.35E-03	1.38E-03	1.30E-03	3.79E-04	3.73E-04	7.53E-04	3.70E-04	3.64E-04	7.35E-04	3.65E-04	3.60E-04	7.25E-04
866	490736.72, 3860735.12	0.0097	0.00956	1.47E-03	1.51E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.85E-04	7.75E-04	3.81E-04	3.75E-04	7.56E-04	3.76E-04	3.70E-04	7.46E-04
867	490136.72, 3860785.12	0.00702	0.00689	1.07E-03	1.09E-03	1.00E-03	1.03E-03	9.71E-04	2.83E-04	2.77E-04	5.60E-04	2.76E-04	2.71E-04	5.46E-04	2.72E-04	2.67E-04	5.39E-04
868	490186.72, 3860785.12	0.00716	0.00703	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.90E-04	2.88E-04	2.83E-04	5.71E-04	2.81E-04	2.76E-04	5.57E-04	2.77E-04	2.72E-04	5.50E-04
869	490236.72, 3860785.12	0.00731	0.00717	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.94E-04	2.89E-04	5.83E-04	2.87E-04	2.82E-04	5.69E-04	2.83E-04	2.78E-04	5.61E-04
870	490286.72, 3860785.12	0.00747	0.00732	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.03E-03	3.01E-04	2.95E-04	5.95E-04	2.93E-04	2.87E-04	5.81E-04	2.89E-04	2.84E-04	5.73E-04
871	490336.72, 3860785.12	0.00763	0.00748	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.94E-04	5.93E-04	2.96E-04	2.90E-04	5.85E-04
872	490386.72, 3860785.12	0.0078	0.00765	1.19E-03	1.21E-03	1.12E-03	1.14E-03	1.08E-03	3.14E-04	3.08E-04	6.22E-04	3.06E-04	3.00E-04	6.07E-04	3.02E-04	2.96E-04	5.99E-04
873	490436.72, 3860785.12	0.00798	0.00783	1.21E-03	1.24E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.15E-04	6.36E-04	3.13E-04	3.07E-04	6.21E-04	3.09E-04	3.03E-04	6.13E-04
874	490486.72, 3860785.12	0.00818	0.00802	1.24E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.23E-04	6.52E-04	3.21E-04	3.15E-04	6.36E-04	3.17E-04	3.11E-04	6.28E-04
875	490536.72, 3860785.12	0.00837	0.00821	1.27E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.37E-04	3.30E-04	6.67E-04	3.29E-04	3.22E-04	6.51E-04	3.24E-04	3.18E-04	6.42E-04
876	490586.72, 3860785.12	0.00857	0.00841	1.30E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	3.38E-04	6.83E-04	3.37E-04	3.30E-04	6.67E-04	3.32E-04	3.26E-04	6.58E-04
877	490636.72, 3860785.12	0.00879	0.00863	1.34E-03	1.37E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.47E-04	7.01E-04	3.45E-04	3.39E-04	6.84E-04	3.41E-04	3.34E-04	6.75E-04
878	490686.72, 3860785.12	0.00903	0.00888	1.37E-03	1.41E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	3.57E-04	7.21E-04	3.55E-04	3.49E-04	7.03E-04	3.50E-04	3.44E-04	6.94E-04
879	490736.72, 3860785.12	0.00928	0.00914	1.41E-03	1.45E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	3.68E-04	7.41E-04	3.64E-04	3.59E-04	7.23E-04	3.60E-04	3.54E-04	7.14E-04
880	490086.72, 3860835.12	0.00662	0.0065	1.01E-03	1.03E-03	9.48E-04	9.71E-04	9.16E-04	2.66E-04	2.62E-04	5.28E-04	2.60E-04	2.55E-04	5.15E-04	2.57E-04	2.52E-04	5.08E-04
881	490136.72, 3860835.12	0.00675	0.00663	1.03E-03	1.05E-03	9.66E-04	9.90E-04	9.34E-04	2.72E-04	2.67E-04	5.38E-04	2.65E-04	2.60E-04	5.25E-04	2.62E-04	2.57E-04	5.18E-04
882	490186.72, 3860835.12	0.00688	0.00676	1.05E-03	1.07E-03	9.85E-04	1.01E-03	9.52E-04	2.77E-04	2.72E-04	5.49E-04	2.70E-04	2.65E-04	5.36E-04	2.67E-04	2.62E-04	5.29E-04
883	490236.72, 3860835.12	0.00702	0.00689	1.07E-03	1.09E-03	1.00E-03	1.03E-03	9.71E-04	2.83E-04	2.77E-04	5.60E-04	2.76E-04	2.71E-04	5.46E-04	2.72E-04	2.67E-04	5.39E-04
884	490286.72, 3860835.12	0.00717	0.00703	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.92E-04	2.89E-04	2.83E-04	5.71E-04	2.82E-04	2.76E-04	5.58E-04	2.78E-04	2.72E-04	5.50E-04
885	490336.72, 3860835.12	0.00732	0.00717	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.89E-04	5.83E-04	2.87E-04	2.82E-04	5.69E-04	2.84E-04	2.78E-04	5.61E-04
886	490386.72, 3860835.12	0.00748	0.00733	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.03E-03	3.01E-04	2.95E-04	5.96E-04	2.94E-04	2.88E-04	5.82E-04	2.90E-04	2.84E-04	5.74E-04
887	490436.72, 3860835.12	0.00765	0.0075	1.16E-03	1.19E-03	1.10E-03	1.12E-03	1.06E-03	3.08E-04	3.02E-04	6.10E-04	3.00E-04	2.95E-04	5.95E-04	2.96E-04	2.91E-04	5.87E-04
888	490486.72, 3860835.12	0.00783	0.00768	1.19E-03	1.22E-03	1.12E-03	1.15E-03	1.08E-03	3.15E-04	3.09E-04	6.24E-04	3.07E-04	3.02E-04	6.09E-04	3.03E-04	2.98E-04	6.01E-04
889	490536.72, 3860835.12	0.00802	0.00786	1.22E-03	1.24E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.16E-04	6.39E-04	3.15E-04	3.09E-04	6.24E-04	3.11E-04	3.05E-04	6.15E-04
890	490586.72, 3860835.12	0.00821	0.00805	1.25E-03	1.27E-03	1.18E-03	1.20E-03	1.14E-03	3.30E-04	3.24E-04	6.54E-04	3.22E-04	3.16E-04	6.39E-04	3.18E-04	3.12E-04	6.30E-04
891	490636.72, 3860835.12	0.00841	0.00826	1.28E-03	1.31E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.32E-04	6.71E-04	3.30E-04	3.24E-04	6.55E-04	3.26E-04	3.20E-04	6.46E-04
892	490686.72, 3860835.12	0.00864	0.00848	1.31E-03	1.34E-03	1.24E-03	1.27E-03	1.19E-03	3.48E-04	3.41E-04	6.89E-04	3.39E-04	3.33E-04	6.72E-04	3.35E-04	3.29E-04	6.63E-04
893	490736.72, 3860835.12	0.00888	0.00873	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	3.51E-04	7.09E-04	3.49E-04	3.43E-04	6.92E-04	3.44E-04	3.38E-04	6.82E-04
894	490086.72, 3860885.12	0.00639	0.00628	9.71E-04	9.94E-04	9.15E-04	9.37E-04	8.84E-04	2.57E-04	2.53E-04	5.10E-04	2.51E-04	2.47E-04	4.98E-04	2.48E-04	2.43E-04	4.91E-04
895	490136.72, 3860885.12	0.00651	0.00639	9.89E-04	1.01E-03	9.32E-04	9.55E-04	9.00E-04	2.62E-04	2.57E-04	5.19E-04	2.56E-04	2.51E-04	5.07E-04	2.52E-04	2.48E-04	5.00E-04
896	490186.72, 3860885.12	0.00663	0.00651	1.01E-03	1.03E-03	9.49E-04	9.72E-04	9.17E-04	2.67E-04	2.62E-04	5.29E-04	2.60E-04	2.56E-04	5.16E-04	2.57E-04	2.52E-04	5.09E-04
897	490236.72, 3860885.12	0.00676	0.00663	1.03E-03	1.05E-03	9.68E-04	9.91E-04	9.35E-04	2.72E-04	2.67E-04	5.39E-04	2.65E-04	2.60E-04	5.26E-04	2.62E-04	2.57E-04	5.19E-04
898	490286.72, 3860885.12	0.00689	0.00676	1.05E-03	1.07E-03	9.86E-04	1.01E-03	9.53E-04	2.77E-04	2.72E-04	5.49E-04	2.71E-04	2.65E-04	5.36E-04	2.67E-04	2.62E-04	5.29E-04
899	490336.72, 3860885.12	0.00703	0.00689	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.72E-04	2.83E-04	2.77E-04	5.60E-04	2.76E-04	2.71E-04	5.47E-04	2.72E-04	2.67E-04	5.39E-04
900	490386.72, 3860885.12	0.00718	0.00704	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.93E-04	2.89E-04	2.83E-04	5.72E-04	2.82E-04	2.76E-04	5.58E-04	2.78E-04	2.73E-04	5.51E-04
901	490436.72, 3860885.12	0.00734	0.0072	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.95E-04	2.90E-04	5.85E-04	2.88E-04	2.83E-04	5.71E-04	2.84E-04	2.79E-04	5.63E-04
902	490486.72, 3860885.12	0.00751	0.00736	1.14E-03	1.17E-03	1.08E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.98E-04	2.95E-04	2.89E-04	5.84E-04	2.91E-04	2.85E-04	5.76E-04
903	490536.72, 3860885.12	0.00768	0.00753	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.03E-04	6.12E-04	3.02E-04	2.96E-04	5.97E-04	2.98E-04	2.92E-04	5.89E-04
904	490586.72, 3860885.12	0.00786	0.00771	1.19E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.16E-04	3.10E-04	6.27E-04	3.09E-04	3.03E-04	6.11E-04	3.05E-04	2.99E-04	6.03E-04
905	490636.72, 3860885.12	0.00805	0.0079	1.22E-03	1.25E-03	1.15E-03	1.18E-03	1.11E-03	3.24E-04	3.18E-04	6.42E-04	3.16E-04	3.10E-04	6.26E-04	3.12E-04	3.06E-04	6.18E-04
906	490686.72, 3860885.12	0.00825	0.0081	1.25E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.26E-04	6.58E-04	3.24E-04	3.18E-04	6.42E-04	3.20E-04	3.14E-04	6.34E-04
907	490736.72, 3860885.12	0.00847	0.00833	1.29E-03	1.32E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.35E-04	6.76E-04	3.33E-04	3.27E-04	6.60E-04	3.28E-04	3.23E-04	6.51E-04
908	490086.72, 3860935.12	0.00617	0.00607	9.38E-04	9.61E-04	8.83E-04	9.05E-04	8.53E-04	2.48E-04	2.44E-04	4.93E-04	2.42E-04	2.38E-04	4.81E-04	2.39E-04	2.35E-04	4.74E-04
909	490136.72, 3860935.12	0.00628	0.00617	9.54E-04	9.77E-04	8.99E-04	9.21E-04	8.69E-04	2.53E-04	2.48E-04	5.01E-04	2.47E-04	2.42E-04	4.89E-04	2.43E-04	2.39E-04	4.82E-04
910	490186.72, 3860935.12	0.00639	0.00628	9.71E-04	9.94E-04	9.15E-04	9.37E-04	8.84E-04	2.57E-04	2.53E-04	5.10E-04	2.51E-04	2.47E-04	4.98E-04	2.48E-04	2.43E-04	4.91E-04
911	490236.72, 3860935.12	0.00651	0.0064	9.89E-04	1.01E-03	9.32E-04	9.55E-04	9.00E-04	2.62E-04	2.58E-04	5.20E-04	2.56E-04	2.51E-04	5.07E-04	2.52E-04	2.48E-04	5.00E-04
912	490286.72, 3860935.12	0.00664	0.00652	1.01E-03	1.03E-03	9.51E-04	9.74E-04	9.18E-04	2.67E-04	2.62E-04	5.30E-04	2.61E-04	2.56E-04	5.17E-04	2.57E-04	2.53E-04	5.10E-04
913	490336.72, 3860935.12	0.00677	0.00664	1.03E-03	1.05E-03	9.69E-04	9.93E-04	9.36E-04	2.72E-04	2.67E-04	5.40E-04	2.66E-04	2.61E-04	5.27E-04	2.62E-04	2.57E-04	5.20E-04
914	490386.72, 3860935.12	0.00691	0.00678	1.05E-03	1.07E-03	9.89E-04	1.01E-03	9.56E-04	2.78E-04	2.73E-04	5.51E-04	2.71E-04	2.66E-04	5.38E-04	2.68E-04	2.63E-04	5.30E-04
915	490436.72, 3860935.12	0.00706	0.00692	1.07E-03	1.10E-03	1.01E-03	1.04E-03	9.76E-04	2.84E-04	2.78E-04	5.63E-04	2.77E-04	2.72E-04	5.49E-04	2.74E-04	2.68E-04	5.42E-04
916	490486.72, 3860935.12	0.00721	0.00707	1.10E-03	1.12E-03	1.03E-03	1.06E-03	9.97E-04	2.90E-04	2.85E-04	5.75E-04	2.83E-04	2.78E-04	5.61E-04	2.79E-04	2.74E-04	5.53E-04
917	490536.72, 3860935.12	0.00737	0.00722	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.87E-04	2.89E-04	2.84E-04	5.73E-04	2.86E-04	2.80E-04	5.65E-04
918	490586.72, 3860935.12	0.00754	0.00739	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.03E-04	2.97E-04	6.01E-04	2.96E-04	2.90E-04	5.86E-04	2.92E-04	2.86E-04	5.79E-04
919	490636.72, 3860935.12	0.00771	0.00756	1.17E-03	1.20E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.04E-04	6.15E-04	3.03E-04	2.97E-04	6.00E-04	2.99E-04	2.93E-04	5.92E-04
920	490686.72, 3860935.12	0.0079	0.00775	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.12E-04	6.30E-04	3.10E-04	3.04E-04	6.15E-04	3.06E-04	3.00E-04	6.06E-04

921	490736.72, 3860935.12	0.0081	0.00795	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.20E-04	6.46E-04	3.18E-04	3.12E-04	6.30E-04	3.14E-04	3.08E-04	6.22E-04
922	490786.72, 3860935.12	0.00831	0.00817	1.26E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.29E-04	6.63E-04	3.26E-04	3.21E-04	6.47E-04	3.22E-04	3.17E-04	6.39E-04
923	490836.72, 3860935.12	0.00855	0.00841	1.30E-03	1.33E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.38E-04	6.83E-04	3.36E-04	3.30E-04	6.66E-04	3.31E-04	3.26E-04	6.57E-04
924	490086.72, 3860985.12	0.00598	0.00588	9.09E-04	9.31E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.37E-04	4.77E-04	2.35E-04	2.31E-04	4.66E-04	2.32E-04	2.28E-04	4.60E-04
925	490136.72, 3860985.12	0.00608	0.00598	9.24E-04	9.47E-04	8.70E-04	8.91E-04	8.41E-04	2.45E-04	2.41E-04	4.85E-04	2.39E-04	2.35E-04	4.74E-04	2.36E-04	2.32E-04	4.67E-04
926	490186.72, 3860985.12	0.00619	0.00608	9.41E-04	9.63E-04	8.86E-04	9.08E-04	8.56E-04	2.49E-04	2.45E-04	4.94E-04	2.43E-04	2.39E-04	4.82E-04	2.40E-04	2.36E-04	4.75E-04
927	490236.72, 3860985.12	0.0063	0.00618	9.57E-04	9.78E-04	9.02E-04	9.24E-04	8.71E-04	2.54E-04	2.49E-04	5.02E-04	2.47E-04	2.43E-04	4.90E-04	2.44E-04	2.39E-04	4.84E-04
928	490286.72, 3860985.12	0.00641	0.00629	9.74E-04	9.96E-04	9.18E-04	9.40E-04	8.87E-04	2.58E-04	2.53E-04	5.11E-04	2.52E-04	2.47E-04	4.99E-04	2.48E-04	2.44E-04	4.92E-04
929	490336.72, 3860985.12	0.00653	0.00641	9.92E-04	1.01E-03	9.35E-04	9.57E-04	9.03E-04	2.63E-04	2.58E-04	5.21E-04	2.56E-04	2.52E-04	5.08E-04	2.53E-04	2.48E-04	5.01E-04
930	490386.72, 3860985.12	0.00666	0.00653	1.01E-03	1.03E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.63E-04	5.31E-04	2.62E-04	2.56E-04	5.18E-04	2.58E-04	2.53E-04	5.11E-04
931	490436.72, 3860985.12	0.0068	0.00667	1.03E-03	1.06E-03	9.73E-04	9.97E-04	9.40E-04	2.74E-04	2.68E-04	5.42E-04	2.67E-04	2.62E-04	5.29E-04	2.63E-04	2.58E-04	5.22E-04
932	490486.72, 3860985.12	0.00694	0.0068	1.05E-03	1.08E-03	9.94E-04	1.02E-03	9.60E-04	2.79E-04	2.74E-04	5.53E-04	2.73E-04	2.67E-04	5.40E-04	2.69E-04	2.63E-04	5.32E-04
933	490536.72, 3860985.12	0.00708	0.00694	1.08E-03	1.10E-03	1.01E-03	1.04E-03	9.79E-04	2.85E-04	2.79E-04	5.64E-04	2.78E-04	2.73E-04	5.51E-04	2.74E-04	2.69E-04	5.43E-04
934	490586.72, 3860985.12	0.00724	0.00709	1.10E-03	1.12E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	2.85E-04	5.77E-04	2.84E-04	2.78E-04	5.63E-04	2.81E-04	2.75E-04	5.55E-04
935	490636.72, 3860985.12	0.0074	0.00725	1.12E-03	1.15E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	2.92E-04	5.90E-04	2.91E-04	2.85E-04	5.75E-04	2.87E-04	2.81E-04	5.68E-04
936	490686.72, 3860985.12	0.00757	0.00742	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	2.99E-04	6.03E-04	2.97E-04	2.91E-04	5.89E-04	2.93E-04	2.88E-04	5.81E-04
937	490736.72, 3860985.12	0.00775	0.0076	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.06E-04	6.18E-04	3.04E-04	2.98E-04	6.03E-04	3.00E-04	2.94E-04	5.95E-04
938	490786.72, 3860985.12	0.00795	0.0078	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.14E-04	6.34E-04	3.12E-04	3.06E-04	6.18E-04	3.08E-04	3.02E-04	6.10E-04
939	490836.72, 3860985.12	0.00816	0.00802	1.24E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.23E-04	6.51E-04	3.20E-04	3.15E-04	6.35E-04	3.16E-04	3.11E-04	6.27E-04
940	490086.72, 3861035.12	0.0058	0.0057	8.81E-04	9.02E-04	8.30E-04	8.50E-04	8.02E-04	2.33E-04	2.29E-04	4.63E-04	2.28E-04	2.24E-04	4.52E-04	2.25E-04	2.21E-04	4.46E-04
941	490136.72, 3861035.12	0.00589	0.0058	8.95E-04	9.18E-04	8.43E-04	8.64E-04	8.15E-04	2.37E-04	2.33E-04	4.70E-04	2.31E-04	2.28E-04	4.59E-04	2.28E-04	2.25E-04	4.53E-04
942	490186.72, 3861035.12	0.00599	0.00589	9.10E-04	9.33E-04	8.58E-04	8.78E-04	8.28E-04	2.41E-04	2.37E-04	4.78E-04	2.35E-04	2.31E-04	4.67E-04	2.32E-04	2.28E-04	4.60E-04
943	490236.72, 3861035.12	0.0061	0.00599	9.27E-04	9.48E-04	8.73E-04	8.94E-04	8.44E-04	2.45E-04	2.41E-04	4.87E-04	2.40E-04	2.35E-04	4.75E-04	2.36E-04	2.32E-04	4.68E-04
944	490286.72, 3861035.12	0.0062	0.00609	9.42E-04	9.64E-04	8.88E-04	9.09E-04	8.58E-04	2.50E-04	2.45E-04	4.95E-04	2.43E-04	2.39E-04	4.83E-04	2.40E-04	2.36E-04	4.76E-04
945	490336.72, 3861035.12	0.00631	0.0062	9.59E-04	9.82E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	2.50E-04	5.03E-04	2.48E-04	2.43E-04	4.91E-04	2.45E-04	2.40E-04	4.85E-04
946	490386.72, 3861035.12	0.00644	0.00632	9.79E-04	1.00E-03	9.22E-04	9.44E-04	8.91E-04	2.59E-04	2.54E-04	5.14E-04	2.53E-04	2.48E-04	5.01E-04	2.50E-04	2.45E-04	4.94E-04
947	490436.72, 3861035.12	0.00656	0.00644	9.97E-04	1.02E-03	9.39E-04	9.62E-04	9.07E-04	2.64E-04	2.59E-04	5.23E-04	2.58E-04	2.53E-04	5.11E-04	2.54E-04	2.50E-04	5.04E-04
948	490486.72, 3861035.12	0.00669	0.00657	1.02E-03	1.04E-03	9.58E-04	9.81E-04	9.25E-04	2.69E-04	2.64E-04	5.34E-04	2.63E-04	2.58E-04	5.21E-04	2.59E-04	2.55E-04	5.14E-04
949	490536.72, 3861035.12	0.00683	0.0067	1.04E-03	1.06E-03	9.78E-04	1.00E-03	9.45E-04	2.75E-04	2.70E-04	5.44E-04	2.68E-04	2.63E-04	5.31E-04	2.65E-04	2.60E-04	5.24E-04
950	490586.72, 3861035.12	0.00697	0.00683	1.06E-03	1.08E-03	9.98E-04	1.02E-03	9.64E-04	2.80E-04	2.75E-04	5.55E-04	2.74E-04	2.68E-04	5.42E-04	2.70E-04	2.65E-04	5.35E-04
951	490636.72, 3861035.12	0.00712	0.00697	1.08E-03	1.10E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.80E-04	5.67E-04	2.80E-04	2.74E-04	5.53E-04	2.76E-04	2.70E-04	5.46E-04
952	490686.72, 3861035.12	0.00727	0.00713	1.10E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.87E-04	5.80E-04	2.85E-04	2.80E-04	5.65E-04	2.82E-04	2.76E-04	5.58E-04
953	490736.72, 3861035.12	0.00744	0.00729	1.13E-03	1.15E-03	1.07E-03	1.09E-03	1.03E-03	2.99E-04	2.93E-04	5.93E-04	2.92E-04	2.86E-04	5.78E-04	2.88E-04	2.82E-04	5.71E-04
954	490786.72, 3861035.12	0.00762	0.00747	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.07E-04	3.01E-04	6.07E-04	2.99E-04	2.93E-04	5.93E-04	2.95E-04	2.89E-04	5.85E-04
955	490836.72, 3861035.12	0.00781	0.00766	1.19E-03	1.21E-03	1.12E-03	1.15E-03	1.08E-03	3.14E-04	3.08E-04	6.23E-04	3.07E-04	3.01E-04	6.08E-04	3.03E-04	2.97E-04	5.99E-04
956	490086.72, 3861085.12	0.00563	0.00554	8.55E-04	8.77E-04	8.06E-04	8.26E-04	7.79E-04	2.27E-04	2.23E-04	4.50E-04	2.21E-04	2.18E-04	4.39E-04	2.18E-04	2.15E-04	4.33E-04
957	490136.72, 3861085.12	0.00572	0.00563	8.69E-04	8.91E-04	8.19E-04	8.39E-04	7.91E-04	2.30E-04	2.27E-04	4.57E-04	2.25E-04	2.21E-04	4.46E-04	2.22E-04	2.18E-04	4.40E-04
958	490186.72, 3861085.12	0.00582	0.00573	8.84E-04	9.07E-04	8.33E-04	8.53E-04	8.05E-04	2.34E-04	2.31E-04	4.65E-04	2.29E-04	2.25E-04	4.54E-04	2.26E-04	2.22E-04	4.48E-04
959	490236.72, 3861085.12	0.00591	0.00582	8.98E-04	9.21E-04	8.46E-04	8.67E-04	8.17E-04	2.38E-04	2.34E-04	4.72E-04	2.32E-04	2.29E-04	4.61E-04	2.29E-04	2.26E-04	4.55E-04
960	490286.72, 3861085.12	0.00601	0.00591	9.13E-04	9.36E-04	8.60E-04	8.81E-04	8.31E-04	2.42E-04	2.38E-04	4.80E-04	2.36E-04	2.32E-04	4.68E-04	2.33E-04	2.29E-04	4.62E-04
961	490336.72, 3861085.12	0.00612	0.00601	9.30E-04	9.52E-04	8.76E-04	8.97E-04	8.46E-04	2.46E-04	2.42E-04	4.88E-04	2.40E-04	2.36E-04	4.76E-04	2.37E-04	2.33E-04	4.70E-04
962	490386.72, 3861085.12	0.00623	0.00612	9.47E-04	9.69E-04	8.92E-04	9.13E-04	8.62E-04	2.51E-04	2.46E-04	4.97E-04	2.45E-04	2.40E-04	4.85E-04	2.41E-04	2.37E-04	4.79E-04
963	490436.72, 3861085.12	0.00635	0.00623	9.65E-04	9.86E-04	9.09E-04	9.31E-04	8.78E-04	2.56E-04	2.51E-04	5.06E-04	2.49E-04	2.45E-04	4.94E-04	2.46E-04	2.41E-04	4.87E-04
964	490486.72, 3861085.12	0.00647	0.00635	9.83E-04	1.01E-03	9.26E-04	9.49E-04	8.95E-04	2.60E-04	2.56E-04	5.16E-04	2.54E-04	2.49E-04	5.03E-04	2.51E-04	2.46E-04	4.97E-04
965	490536.72, 3861085.12	0.0066	0.00647	1.00E-03	1.02E-03	9.45E-04	9.68E-04	9.13E-04	2.66E-04	2.60E-04	5.26E-04	2.59E-04	2.54E-04	5.13E-04	2.56E-04	2.51E-04	5.06E-04
966	490586.72, 3861085.12	0.00672	0.00659	1.02E-03	1.04E-03	9.62E-04	9.85E-04	9.29E-04	2.70E-04	2.65E-04	5.36E-04	2.64E-04	2.59E-04	5.23E-04	2.60E-04	2.55E-04	5.16E-04
967	490636.72, 3861085.12	0.00686	0.00672	1.04E-03	1.06E-03	9.82E-04	1.01E-03	9.49E-04	2.76E-04	2.70E-04	5.47E-04	2.69E-04	2.64E-04	5.33E-04	2.66E-04	2.60E-04	5.26E-04
968	490686.72, 3861085.12	0.007	0.00686	1.06E-03	1.09E-03	1.00E-03	1.03E-03	9.68E-04	2.82E-04	2.76E-04	5.58E-04	2.75E-04	2.69E-04	5.44E-04	2.71E-04	2.66E-04	5.37E-04
969	490736.72, 3861085.12	0.00715	0.00701	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.89E-04	2.88E-04	2.82E-04	5.70E-04	2.81E-04	2.75E-04	5.56E-04	2.77E-04	2.72E-04	5.49E-04
970	490786.72, 3861085.12	0.00731	0.00717	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.94E-04	2.89E-04	5.83E-04	2.87E-04	2.82E-04	5.69E-04	2.83E-04	2.78E-04	5.61E-04
971	490836.72, 3861085.12	0.00749	0.00734	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.01E-04	2.95E-04	5.97E-04	2.94E-04	2.88E-04	5.82E-04	2.90E-04	2.84E-04	5.75E-04
972	490086.72, 3861135.12	0.00547	0.00539	8.31E-04	8.53E-04	7.83E-04	8.02E-04	7.57E-04	2.20E-04	2.17E-04	4.37E-04	2.15E-04	2.12E-04	4.26E-04	2.12E-04	2.09E-04	4.21E-04
973	490136.72, 3861135.12	0.00555	0.00548	8.43E-04	8.68E-04	7.95E-04	8.14E-04	7.68E-04	2.23E-04	2.21E-04	4.44E-04	2.18E-04	2.15E-04	4.33E-04	2.15E-04	2.12E-04	4.27E-04
974	490186.72, 3861135.12	0.00565	0.00556	8.59E-04	8.80E-04	8.09E-04	8.28E-04	7.81E-04	2.27E-04	2.24E-04	4.51E-04	2.22E-04	2.18E-04	4.40E-04	2.19E-04	2.15E-04	4.34E-04
975	490236.72, 3861135.12	0.00574	0.00565	8.72E-04	8.95E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	2.27E-04	4.58E-04	2.25E-04	2.22E-04	4.47E-04	2.22E-04	2.19E-04	4.41E-04
976	490286.72, 3861135.12	0.00583	0.00574	8.86E-04	9.09E-04	8.35E-04	8.55E-04	8.06E-04	2.35E-04	2.31E-04	4.66E-04	2.29E-04	2.25E-04	4.54E-04	2.26E-04	2.22E-04	4.48E-04
977	490336.72, 3861135.12	0.00593	0.00584	9.01E-04	9.25E-04	8.49E-04	8.70E-04	8.20E-04	2.39E-04	2.35E-04	4.74E-04	2.33E-04	2.29E-04	4.62E-04	2.30E-04	2.26E-04	4.56E-04
978	490386.72, 3861135.12	0.00604	0.00594	9.18E-04	9.40E-04	8.65E-04	8.86E-04	8.35E-04	2.43E-04	2.39E-04	4.82E-04	2.37E-04	2.33E-04	4.70E-04	2.34E-04	2.30E-04	4.64E-04
979	490436.72, 3861135.12	0.00614	0.00604	9.33E-04	9.56E-04	8.79E-04	9.00E-04	8.49E-04	2.47E-04	2.43E-04	4.90E-04	2.41E-04	2.37E-04	4.78E-04	2.38E-04	2.34E-04	4.72E-04
980	490486.72, 3861135.12	0.00626	0.00615	9.51E-04	9.74E-04	8.96E-04	9.18E-04	8.66E-04	2.52E-04	2.47E-04	4.99E-04	2.46E-04	2.42E-04	4.87E-04	2.43E-04	2.38E-04	4.81E-04
981	490536.72, 3861135.12	0.00638	0.00626	9.69E-04	9.91E-04	9.13E-04	9.35E-04	8.82E-04	2.57E-04	2.52E-04	5.09E-04	2.51E-04	2.46E-04	4.96E-04	2.47E-04	2.43E-04	4.90E-04
982	490586.72, 3861135.12	0.0065	0.00637	9.88E-04	1.01E-03	9.31E-04	9.53E-04	8.99E-04	2.62E-04	2.56E-04	5.18E-04	2.55E-04	2.50E-04	5.05E-04	2.52E-04	2.47E-04	4.99E-04
983	490636.72, 3861135.12	0.00662	0.00649	1.01E-03	1.03E-03	9.48E-04	9.71E-04	9.16E-04	2.66E-04	2.61E-04	5.28E-04	2.60E-04	2.55E-04	5.15E-04	2.57E-04	2.51E-04	5.08E-04
984	490686.72, 3861135.12	0.00675	0.00662	1.03E-03	1.05E-03	9.66E-04	9.90E-04	9.34E-04	2.72E-04	2.66E-04	5.38E-04	2.65E-04	2.60E-04	5.25E-04	2.62E-04	2.57E-04	5.18E-04
985	490736.72, 3861135.12	0.00689	0.00676	1.05E-03	1.07E-03	9.86E-04	1.01E-03	9.53E-04	2.77E-04	2.72E-04	5.49E-04	2.71E-04	2.65E-04	5.36E-04	2.67E-04	2.62E-04	5.29E-04
986	490786.72, 3861135.12	0.00704	0.0069	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.74E-04	2.83E-04	2.78E-04	5.61E-04	2.76E-04	2.71E-04	5.47E-04	2.73E-04	2.67E-04	5.40E-04

987	490836.72, 3861135.12	0.0072	0.00706	1.09E-03	1.12E-03	1.03E-03	1.06E-03	9.96E-04	2.90E-04	2.84E-04	5.74E-04	2.83E-04	2.77E-04	5.60E-04	2.79E-04	2.74E-04	5.53E-04
988	490086.72, 3861185.12	0.00532	0.00525	8.08E-04	8.31E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.11E-04	4.25E-04	2.09E-04	2.06E-04	4.15E-04	2.06E-04	2.03E-04	4.10E-04
989	490136.72, 3861185.12	0.0054	0.00532	8.21E-04	8.42E-04	7.73E-04	7.92E-04	7.47E-04	2.17E-04	2.14E-04	4.31E-04	2.12E-04	2.09E-04	4.21E-04	2.09E-04	2.06E-04	4.15E-04
990	490186.72, 3861185.12	0.00548	0.00541	8.33E-04	8.57E-04	7.85E-04	8.04E-04	7.58E-04	2.21E-04	2.18E-04	4.38E-04	2.15E-04	2.12E-04	4.28E-04	2.12E-04	2.10E-04	4.22E-04
991	490236.72, 3861185.12	0.00557	0.00549	8.46E-04	8.69E-04	7.97E-04	8.17E-04	7.70E-04	2.24E-04	2.21E-04	4.45E-04	2.19E-04	2.16E-04	4.34E-04	2.16E-04	2.13E-04	4.29E-04
992	490286.72, 3861185.12	0.00566	0.00558	8.60E-04	8.83E-04	8.10E-04	8.30E-04	7.83E-04	2.28E-04	2.25E-04	4.52E-04	2.22E-04	2.19E-04	4.41E-04	2.19E-04	2.16E-04	4.36E-04
993	490336.72, 3861185.12	0.00575	0.00566	8.74E-04	8.96E-04	8.23E-04	8.43E-04	7.95E-04	2.31E-04	2.28E-04	4.59E-04	2.26E-04	2.22E-04	4.48E-04	2.23E-04	2.19E-04	4.42E-04
994	490386.72, 3861185.12	0.00585	0.00576	8.89E-04	9.12E-04	8.37E-04	8.58E-04	8.09E-04	2.35E-04	2.32E-04	4.67E-04	2.30E-04	2.26E-04	4.56E-04	2.27E-04	2.23E-04	4.50E-04
995	490436.72, 3861185.12	0.00595	0.00586	9.04E-04	9.28E-04	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.36E-04	4.75E-04	2.34E-04	2.30E-04	4.64E-04	2.31E-04	2.27E-04	4.58E-04
996	490486.72, 3861185.12	0.00606	0.00596	9.21E-04	9.44E-04	8.68E-04	8.89E-04	8.38E-04	2.44E-04	2.40E-04	4.84E-04	2.38E-04	2.34E-04	4.72E-04	2.35E-04	2.31E-04	4.66E-04
997	490536.72, 3861185.12	0.00617	0.00607	9.38E-04	9.61E-04	8.83E-04	9.05E-04	8.53E-04	2.48E-04	2.44E-04	4.93E-04	2.42E-04	2.38E-04	4.81E-04	2.39E-04	2.35E-04	4.74E-04
998	490586.72, 3861185.12	0.00629	0.00617	9.56E-04	9.77E-04	9.00E-04	9.22E-04	8.70E-04	2.53E-04	2.48E-04	5.01E-04	2.47E-04	2.42E-04	4.89E-04	2.44E-04	2.39E-04	4.83E-04
999	490636.72, 3861185.12	0.0064	0.00628	9.72E-04	9.94E-04	9.16E-04	9.38E-04	8.85E-04	2.58E-04	2.53E-04	5.10E-04	2.51E-04	2.47E-04	4.98E-04	2.48E-04	2.43E-04	4.91E-04
1000	490686.72, 3861185.12	0.00652	0.0064	9.91E-04	1.01E-03	9.33E-04	9.56E-04	9.02E-04	2.62E-04	2.58E-04	5.20E-04	2.56E-04	2.51E-04	5.07E-04	2.53E-04	2.48E-04	5.01E-04
1001	490736.72, 3861185.12	0.00666	0.00653	1.01E-03	1.03E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.63E-04	5.31E-04	2.62E-04	2.56E-04	5.18E-04	2.58E-04	2.53E-04	5.11E-04
1002	490786.72, 3861185.12	0.00679	0.00666	1.03E-03	1.05E-03	9.72E-04	9.96E-04	9.39E-04	2.73E-04	2.68E-04	5.41E-04	2.67E-04	2.62E-04	5.28E-04	2.63E-04	2.58E-04	5.21E-04
1003	490836.72, 3861185.12	0.00694	0.0068	1.05E-03	1.08E-03	9.94E-04	1.02E-03	9.60E-04	2.79E-04	2.74E-04	5.53E-04	2.73E-04	2.67E-04	5.40E-04	2.69E-04	2.63E-04	5.32E-04
1004	490086.72, 3861235.12	0.00517	0.00511	7.86E-04	8.09E-04	7.40E-04	7.58E-04	7.15E-04	2.08E-04	2.06E-04	4.14E-04	2.03E-04	2.01E-04	4.04E-04	2.00E-04	1.98E-04	3.98E-04
1005	490136.72, 3861235.12	0.00525	0.00518	7.98E-04	8.20E-04	7.52E-04	7.70E-04	7.26E-04	2.11E-04	2.08E-04	4.20E-04	2.06E-04	2.03E-04	4.10E-04	2.03E-04	2.01E-04	4.04E-04
1006	490186.72, 3861235.12	0.00533	0.00526	8.10E-04	8.33E-04	7.63E-04	7.82E-04	7.37E-04	2.14E-04	2.12E-04	4.26E-04	2.09E-04	2.07E-04	4.16E-04	2.07E-04	2.04E-04	4.10E-04
1007	490236.72, 3861235.12	0.00541	0.00534	8.22E-04	8.45E-04	7.74E-04	7.93E-04	7.48E-04	2.18E-04	2.15E-04	4.33E-04	2.12E-04	2.10E-04	4.22E-04	2.10E-04	2.07E-04	4.17E-04
1008	490386.72, 3861235.12	0.00567	0.00559	8.62E-04	8.85E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.25E-04	4.53E-04	2.23E-04	2.20E-04	4.42E-04	2.20E-04	2.17E-04	4.36E-04
1009	490436.72, 3861235.12	0.00577	0.00568	8.77E-04	8.99E-04	8.26E-04	8.46E-04	7.98E-04	2.32E-04	2.29E-04	4.61E-04	2.27E-04	2.23E-04	4.50E-04	2.24E-04	2.20E-04	4.44E-04
1010	490486.72, 3861235.12	0.00587	0.00577	8.92E-04	9.14E-04	8.40E-04	8.61E-04	8.12E-04	2.36E-04	2.32E-04	4.68E-04	2.31E-04	2.27E-04	4.57E-04	2.27E-04	2.24E-04	4.51E-04
1011	490536.72, 3861235.12	0.00598	0.00588	9.09E-04	9.31E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.37E-04	4.77E-04	2.35E-04	2.31E-04	4.66E-04	2.32E-04	2.28E-04	4.60E-04
1012	490586.72, 3861235.12	0.00609	0.00599	9.25E-04	9.48E-04	8.72E-04	8.93E-04	8.42E-04	2.45E-04	2.41E-04	4.86E-04	2.39E-04	2.35E-04	4.74E-04	2.36E-04	2.32E-04	4.68E-04
1013	490636.72, 3861235.12	0.00619	0.00608	9.41E-04	9.63E-04	8.86E-04	9.08E-04	8.56E-04	2.49E-04	2.45E-04	4.94E-04	2.43E-04	2.39E-04	4.82E-04	2.40E-04	2.36E-04	4.75E-04
1014	490686.72, 3861235.12	0.00631	0.00619	9.59E-04	9.80E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	2.49E-04	5.03E-04	2.48E-04	2.43E-04	4.91E-04	2.45E-04	2.40E-04	4.84E-04
1015	490736.72, 3861235.12	0.00643	0.00631	9.77E-04	9.99E-04	9.21E-04	9.43E-04	8.89E-04	2.59E-04	2.54E-04	5.13E-04	2.53E-04	2.48E-04	5.00E-04	2.49E-04	2.45E-04	4.94E-04
1016	490786.72, 3861235.12	0.00656	0.00644	9.97E-04	1.02E-03	9.39E-04	9.62E-04	9.07E-04	2.64E-04	2.59E-04	5.23E-04	2.58E-04	2.53E-04	5.11E-04	2.54E-04	2.50E-04	5.04E-04
1017	490836.72, 3861235.12	0.0067	0.00657	1.02E-03	1.04E-03	9.59E-04	9.82E-04	9.27E-04	2.70E-04	2.64E-04	5.34E-04	2.63E-04	2.58E-04	5.21E-04	2.60E-04	2.55E-04	5.14E-04
1018	490086.72, 3861285.12	0.00504	0.00498	7.66E-04	7.88E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	2.00E-04	4.03E-04	1.98E-04	1.96E-04	3.93E-04	1.95E-04	1.93E-04	3.88E-04
1019	490136.72, 3861285.12	0.00511	0.00506	7.76E-04	8.01E-04	7.32E-04	7.49E-04	7.07E-04	2.06E-04	2.04E-04	4.09E-04	2.01E-04	1.99E-04	3.99E-04	1.98E-04	1.96E-04	3.94E-04
1020	490186.72, 3861285.12	0.00519	0.00513	7.89E-04	8.12E-04	7.43E-04	7.61E-04	7.18E-04	2.09E-04	2.06E-04	4.15E-04	2.04E-04	2.01E-04	4.05E-04	2.01E-04	1.99E-04	4.00E-04
1021	490236.72, 3861285.12	0.00526	0.0052	7.99E-04	8.23E-04	7.53E-04	7.71E-04	7.27E-04	2.12E-04	2.09E-04	4.21E-04	2.07E-04	2.04E-04	4.11E-04	2.04E-04	2.01E-04	4.05E-04
1022	490386.72, 3861285.12	0.00551	0.00544	8.37E-04	8.61E-04	7.89E-04	8.08E-04	7.62E-04	2.22E-04	2.19E-04	4.41E-04	2.16E-04	2.14E-04	4.30E-04	2.14E-04	2.11E-04	4.24E-04
1023	490436.72, 3861285.12	0.0056	0.00552	8.51E-04	8.74E-04	8.02E-04	8.21E-04	7.75E-04	2.25E-04	2.22E-04	4.48E-04	2.20E-04	2.17E-04	4.37E-04	2.17E-04	2.14E-04	4.31E-04
1024	490486.72, 3861285.12	0.00569	0.00561	8.65E-04	8.88E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.26E-04	4.55E-04	2.23E-04	2.20E-04	4.44E-04	2.20E-04	2.17E-04	4.38E-04
1025	490536.72, 3861285.12	0.00579	0.0057	8.80E-04	9.02E-04	8.29E-04	8.49E-04	8.01E-04	2.33E-04	2.29E-04	4.62E-04	2.27E-04	2.24E-04	4.51E-04	2.24E-04	2.21E-04	4.45E-04
1026	490586.72, 3861285.12	0.0059	0.0058	8.97E-04	9.18E-04	8.45E-04	8.65E-04	8.16E-04	2.37E-04	2.33E-04	4.71E-04	2.32E-04	2.28E-04	4.59E-04	2.29E-04	2.25E-04	4.53E-04
1027	490636.72, 3861285.12	0.006	0.00589	9.12E-04	9.33E-04	8.59E-04	8.80E-04	8.30E-04	2.41E-04	2.37E-04	4.78E-04	2.36E-04	2.31E-04	4.67E-04	2.32E-04	2.28E-04	4.61E-04
1028	490686.72, 3861285.12	0.00611	0.006	9.28E-04	9.50E-04	8.75E-04	8.96E-04	8.45E-04	2.46E-04	2.41E-04	4.87E-04	2.40E-04	2.36E-04	4.76E-04	2.37E-04	2.32E-04	4.69E-04
1029	490736.72, 3861285.12	0.00623	0.00611	9.47E-04	9.67E-04	8.92E-04	9.13E-04	8.62E-04	2.51E-04	2.46E-04	4.97E-04	2.45E-04	2.40E-04	4.85E-04	2.41E-04	2.37E-04	4.78E-04
1030	490786.72, 3861285.12	0.00635	0.00623	9.65E-04	9.86E-04	9.09E-04	9.31E-04	8.78E-04	2.56E-04	2.51E-04	5.06E-04	2.49E-04	2.45E-04	4.94E-04	2.46E-04	2.41E-04	4.87E-04
1031	490836.72, 3861285.12	0.00647	0.00634	9.83E-04	1.00E-03	9.26E-04	9.49E-04	8.95E-04	2.60E-04	2.55E-04	5.16E-04	2.54E-04	2.49E-04	5.03E-04	2.51E-04	2.46E-04	4.96E-04
1032	490061.24, 3859716.13	0.05459	0.05412	8.30E-03	8.57E-03	7.82E-03	8.00E-03	7.55E-03	2.20E-03	2.18E-03	4.37E-03	2.14E-03	2.13E-03	4.27E-03	2.12E-03	2.10E-03	4.21E-03
1033	490111.24, 3859716.13	0.06617	0.06574	1.01E-02	1.04E-02	9.47E-03	9.70E-03	9.15E-03	2.66E-03	2.65E-03	5.31E-03	2.60E-03	2.58E-03	5.18E-03	2.56E-03	2.55E-03	5.11E-03
1034	490161.24, 3859716.13	0.08289	0.08237	1.26E-02	1.30E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	3.31E-03	6.65E-03	3.26E-03	3.23E-03	6.49E-03	3.21E-03	3.19E-03	6.40E-03
1035	490211.24, 3859716.13	0.10825	0.10742	1.64E-02	1.70E-02	1.55E-02	1.59E-02	1.50E-02	4.36E-03	4.32E-03	8.68E-03	4.25E-03	4.22E-03	8.47E-03	4.19E-03	4.16E-03	8.36E-03
1036	490061.24, 3859766.13	0.03841	0.03789	5.84E-03	6.00E-03	5.50E-03	5.63E-03	5.31E-03	1.55E-03	1.52E-03	3.07E-03	1.51E-03	1.49E-03	3.00E-03	1.49E-03	1.47E-03	2.96E-03
1037	490111.24, 3859766.13	0.04379	0.04327	6.65E-03	6.85E-03	6.27E-03	6.42E-03	6.06E-03	1.76E-03	1.74E-03	3.50E-03	1.72E-03	1.70E-03	3.42E-03	1.70E-03	1.68E-03	3.37E-03
1038	490161.24, 3859766.13	0.05065	0.05011	7.70E-03	7.93E-03	7.25E-03	7.43E-03	7.01E-03	2.04E-03	2.02E-03	4.05E-03	1.99E-03	1.97E-03	3.96E-03	1.96E-03	1.94E-03	3.90E-03
1039	490211.24, 3859766.13	0.06004	0.05939	9.12E-03	9.40E-03	8.60E-03	8.80E-03	8.30E-03	2.42E-03	2.39E-03	4.81E-03	2.36E-03	2.33E-03	4.69E-03	2.33E-03	2.30E-03	4.63E-03
1040	490061.24, 3859816.13	0.0297	0.0292	4.51E-03	4.62E-03	4.25E-03	4.35E-03	4.11E-03	1.20E-03	1.18E-03	2.37E-03	1.17E-03	1.15E-03	2.31E-03	1.15E-03	1.13E-03	2.28E-03
1041	490111.24, 3859816.13	0.03273	0.03222	4.97E-03	5.10E-03	4.69E-03	4.80E-03	4.53E-03	1.32E-03	1.30E-03	2.61E-03	1.29E-03	1.27E-03	2.55E-03	1.27E-03	1.25E-03	2.52E-03
1042	490161.24, 3859816.13	0.03643	0.0359	5.54E-03	5.68E-03	5.22E-03	5.34E-03	5.04E-03	1.47E-03	1.44E-03	2.91E-03	1.43E-03	1.41E-03	2.84E-03	1.41E-03	1.39E-03	2.80E-03
1043	490211.24, 3859816.13	0.04101	0.04043	6.23E-03	6.40E-03	5.87E-03	6.01E-03	5.67E-03	1.65E-03	1.63E-03	3.28E-03	1.61E-03	1.59E-03	3.20E-03	1.59E-03	1.57E-03	3.16E-03
1044	490061.24, 3859866.13	0.0243	0.02386	3.69E-03	3.78E-03	3.48E-03	3.56E-03	3.36E-03	9.78E-04	9.60E-04	1.94E-03	9.54E-04	9.37E-04	1.89E-03	9.42E-04	9.25E-04	1.87E-03
1045	490111.24, 3859866.13	0.02626	0.0258	3.99E-03	4.08E-03	3.76E-03	3.85E-03	3.63E-03	1.06E-03	1.04E-03	2.10E-03	1.03E-03	1.01E-03	2.04E-03	1.02E-03	1.00E-03	2.02E-03
1046	490161.24, 3859866.13	0.02858	0.02809	4.34E-03	4.45E-03	4.09E-03	4.19E-03	3.95E-03	1.15E-03	1.13E-03	2.28E-03	1.12E-03	1.10E-03	2.23E-03	1.11E-03	1.09E-03	2.20E-03
1047	490211.24, 3859866.13	0.03129	0.03077	4.75E-03	4.87E-03	4.48E-03	4.59E-03	4.33E-03	1.26E-03	1.24E-03	2.50E-03	1.23E-03	1.21E-03	2.44E-03	1.21E-03	1.19E-03	2.40E-03
1048	490061.24, 3859916.13	0.02064	0.02025	3.14E-03	3.21E-03	2.95E-03	3.03E-03	2.85E-03	8.31E-04	8.15E-04	1.65E-03	8.11E-04	7.95E-04	1.61E-03	8.00E-04	7.85E-04	1.58E-03
1049	490111.24, 3859916.13	0.02203	0.02162	3.35E-03	3.42E-03	3.15E-03	3.23E-03	3.05E-03	8.87E-04	8.70E-04	1.76E-03	8.65E-04	8.49E-04	1.71E-03	8.54E-04	8.38E-04	1.69E-03
1050	490161.24, 3859916.13	0.02359	0.02316	3.58E-03	3.67E-03	3.38E-03	3.46E-03	3.26E-03	9.49E-04	9.32E-04	1.88E-03	9.26E-04	9.09E-04	1.84E-03	9.14E-04	8.97E-04	1.81E-03
1051	490211.24, 3859916.13	0.02537	0.0249	3.86E-03	3.94E-03	3.63E-03	3.72E-03	3.51E-03	1.02E-03	1.00E-03	2.02E-03	9.96E-04	9.78E-04	1.97E-03	9.83E-04	9.65E-04	1.95E-03
1052	490229.25, 3859815.26	0.04327	0.04267	6.57E-03	6.76E-03	6.19E-03	6.34E-03	5.98E-03	1.74E-03	1.72E-03	3.46E-03	1.70E-03	1.68E-03	3.37E-03	1.68E-03	1.65E-03	3.33E-03

1053 490279.25, 3859815.26	0.04976	0.04906	7.56E-03	7.77E-03	7.12E-03	7.30E-03	6.88E-03	2.00E-03	1.97E-03	3.98E-03	1.95E-03	1.93E-03	3.88E-03	1.93E-03	1.90E-03	3.83E-03
1054 490329.25, 3859815.26	0.0584	0.0575	8.87E-03	9.10E-03	8.36E-03	8.56E-03	8.08E-03	2.35E-03	2.31E-03	4.66E-03	2.29E-03	2.26E-03	4.55E-03	2.26E-03	2.23E-03	4.49E-03
1055 490379.25, 3859815.26	0.07102	0.06973	1.08E-02	1.10E-02	1.02E-02	1.04E-02	9.82E-03	2.86E-03	2.81E-03	5.66E-03	2.79E-03	2.74E-03	5.53E-03	2.75E-03	2.70E-03	5.45E-03
1056 490429.25, 3859815.26	0.09055	0.08844	1.38E-02	1.40E-02	1.30E-02	1.33E-02	1.25E-02	3.64E-03	3.56E-03	7.20E-03	3.56E-03	3.47E-03	7.03E-03	3.51E-03	3.43E-03	6.94E-03
1057 490229.25, 3859865.26	0.03254	0.032	4.94E-03	5.07E-03	4.66E-03	4.77E-03	4.50E-03	1.31E-03	1.29E-03	2.60E-03	1.28E-03	1.26E-03	2.53E-03	1.26E-03	1.24E-03	2.50E-03
1058 490279.25, 3859865.26	0.03605	0.03545	5.48E-03	5.61E-03	5.16E-03	5.29E-03	4.99E-03	1.45E-03	1.43E-03	2.88E-03	1.42E-03	1.39E-03	2.81E-03	1.40E-03	1.37E-03	2.77E-03
1059 490329.25, 3859865.26	0.04039	0.03972	6.14E-03	6.29E-03	5.78E-03	5.92E-03	5.59E-03	1.63E-03	1.60E-03	3.22E-03	1.59E-03	1.56E-03	3.15E-03	1.57E-03	1.54E-03	3.10E-03
1060 490379.25, 3859865.26	0.04603	0.04523	6.99E-03	7.16E-03	6.59E-03	6.75E-03	6.37E-03	1.85E-03	1.82E-03	3.67E-03	1.81E-03	1.78E-03	3.58E-03	1.78E-03	1.75E-03	3.54E-03
1061 490429.25, 3859865.26	0.05356	0.05254	8.14E-03	8.32E-03	7.67E-03	7.85E-03	7.41E-03	2.16E-03	2.11E-03	4.27E-03	2.10E-03	2.06E-03	4.17E-03	2.08E-03	2.04E-03	4.11E-03
1062 490229.25, 3859915.26	0.02617	0.0257	3.98E-03	4.07E-03	3.75E-03	3.84E-03	3.62E-03	1.05E-03	1.03E-03	2.09E-03	1.03E-03	1.01E-03	2.04E-03	1.01E-03	9.96E-04	2.01E-03
1063 490279.25, 3859915.26	0.02833	0.02782	4.30E-03	4.40E-03	4.06E-03	4.15E-03	3.92E-03	1.14E-03	1.12E-03	2.26E-03	1.11E-03	1.09E-03	2.21E-03	1.10E-03	1.08E-03	2.18E-03
1064 490329.25, 3859915.26	0.03092	0.03036	4.70E-03	4.81E-03	4.43E-03	4.53E-03	4.28E-03	1.24E-03	1.22E-03	2.47E-03	1.21E-03	1.19E-03	2.41E-03	1.20E-03	1.18E-03	2.37E-03
1065 490379.25, 3859915.26	0.03408	0.03346	5.18E-03	5.30E-03	4.88E-03	5.00E-03	4.71E-03	1.37E-03	1.35E-03	2.72E-03	1.34E-03	1.31E-03	2.65E-03	1.32E-03	1.30E-03	2.62E-03
1066 490429.25, 3859915.26	0.03793	0.03722	5.76E-03	5.89E-03	5.43E-03	5.56E-03	5.25E-03	1.53E-03	1.50E-03	3.02E-03	1.49E-03	1.46E-03	2.95E-03	1.47E-03	1.44E-03	2.91E-03
1067 490451.43, 3859872.59	0.05412	0.05304	8.22E-03	8.40E-03	7.75E-03	7.94E-03	7.49E-03	2.18E-03	2.13E-03	4.31E-03	2.13E-03	2.08E-03	4.21E-03	2.10E-03	2.06E-03	4.15E-03
1068 490501.43, 3859872.59	0.06504	0.0635	9.88E-03	1.01E-02	9.31E-03	9.54E-03	9.00E-03	2.62E-03	2.56E-03	5.17E-03	2.55E-03	2.49E-03	5.05E-03	2.52E-03	2.46E-03	4.98E-03
1069 490551.43, 3859872.59	0.08196	0.0795	1.25E-02	1.26E-02	1.17E-02	1.20E-02	1.13E-02	3.30E-03	3.20E-03	6.50E-03	3.22E-03	3.12E-03	6.34E-03	3.18E-03	3.08E-03	6.26E-03
1070 490601.43, 3859872.59	0.10892	0.10451	1.66E-02	1.65E-02	1.56E-02	1.60E-02	1.51E-02	4.38E-03	4.21E-03	8.59E-03	4.28E-03	4.10E-03	8.38E-03	4.22E-03	4.05E-03	8.27E-03
1071 490451.43, 3859922.59	0.03825	0.03752	5.81E-03	5.94E-03	5.48E-03	5.61E-03	5.29E-03	1.54E-03	1.51E-03	3.05E-03	1.50E-03	1.47E-03	2.98E-03	1.48E-03	1.45E-03	2.94E-03
1072 490501.43, 3859922.59	0.04331	0.04244	6.58E-03	6.72E-03	6.20E-03	6.35E-03	5.99E-03	1.74E-03	1.71E-03	3.45E-03	1.70E-03	1.67E-03	3.37E-03	1.68E-03	1.64E-03	3.32E-03
1073 490551.43, 3859922.59	0.05028	0.04913	7.64E-03	7.78E-03	7.20E-03	7.37E-03	6.95E-03	2.02E-03	1.98E-03	4.00E-03	1.97E-03	1.93E-03	3.90E-03	1.95E-03	1.90E-03	3.85E-03
1074 490601.43, 3859922.59	0.05999	0.05838	9.12E-03	9.24E-03	8.59E-03	8.80E-03	8.30E-03	2.41E-03	2.35E-03	4.76E-03	2.36E-03	2.29E-03	4.65E-03	2.32E-03	2.26E-03	4.59E-03
1075 482129.67, 3852241.07	0.07141	0.07183	1.09E-02	1.14E-02	1.02E-02	1.05E-02	9.88E-03	2.87E-03	2.89E-03	5.76E-03	2.80E-03	2.82E-03	5.63E-03	2.77E-03	2.78E-03	5.55E-03
1076 482029.67, 3852291.07	0.13328	0.13369	2.03E-02	2.12E-02	1.91E-02	1.95E-02	1.84E-02	5.36E-03	5.38E-03	1.07E-02	5.23E-03	5.25E-03	1.05E-02	5.16E-03	5.18E-03	1.03E-02
1077 482079.67, 3852291.07	0.10337	0.10381	1.57E-02	1.64E-02	1.48E-02	1.52E-02	1.43E-02	4.16E-03	4.18E-03	8.34E-03	4.06E-03	4.08E-03	8.14E-03	4.01E-03	4.02E-03	8.03E-03
1078 482129.67, 3852291.07	0.08401	0.08446	1.28E-02	1.34E-02	1.20E-02	1.23E-02	1.16E-02	3.38E-03	3.40E-03	6.78E-03	3.30E-03	3.32E-03	6.62E-03	3.26E-03	3.27E-03	6.53E-03
1079 482179.67, 3852291.07	0.0699	0.07028	1.06E-02	1.11E-02	1.00E-02	1.02E-02	9.67E-03	2.81E-03	2.83E-03	5.64E-03	2.74E-03	2.76E-03	5.50E-03	2.71E-03	2.72E-03	5.43E-03
1080 482229.67, 3852291.07	0.05916	0.05957	8.99E-03	9.43E-03	8.47E-03	8.67E-03	8.18E-03	2.38E-03	2.40E-03	4.78E-03	2.32E-03	2.34E-03	4.66E-03	2.29E-03	2.31E-03	4.60E-03
1081 482029.67, 3852341.07	0.18383	0.18405	2.79E-02	2.91E-02	2.63E-02	2.70E-02	2.54E-02	7.40E-03	7.41E-03	1.48E-02	7.22E-03	7.23E-03	1.44E-02	7.12E-03	7.13E-03	1.43E-02
1082 482079.67, 3852341.07	0.13212	0.13252	2.01E-02	2.10E-02	1.89E-02	1.94E-02	1.83E-02	5.32E-03	5.33E-03	1.06E-02	5.19E-03	5.20E-03	1.04E-02	5.12E-03	5.13E-03	1.03E-02
1083 482129.67, 3852341.07	0.10255	0.10299	1.56E-02	1.63E-02	1.47E-02	1.50E-02	1.42E-02	4.13E-03	4.14E-03	8.27E-03	4.03E-03	4.04E-03	8.07E-03	3.97E-03	3.99E-03	7.96E-03
1084 482179.67, 3852341.07	0.08303	0.08347	1.26E-02	1.32E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	3.36E-03	6.70E-03	3.26E-03	3.28E-03	6.54E-03	3.22E-03	3.23E-03	6.45E-03
1085 482259.06, 3852400.14	0.07835	0.07876	1.19E-02	1.25E-02	1.12E-02	1.15E-02	1.08E-02	3.15E-03	3.17E-03	6.32E-03	3.08E-03	3.09E-03	6.17E-03	3.04E-03	3.05E-03	6.09E-03
1086 482309.06, 3852400.14	0.06474	0.0651	9.84E-03	1.03E-02	9.27E-03	9.49E-03	8.95E-03	2.61E-03	2.62E-03	5.23E-03	2.54E-03	2.56E-03	5.10E-03	2.51E-03	2.52E-03	5.03E-03
1087 482209.06, 3852450.14	0.11735	0.11781	1.78E-02	1.87E-02	1.68E-02	1.72E-02	1.62E-02	4.72E-03	4.74E-03	9.46E-03	4.61E-03	4.63E-03	9.23E-03	4.55E-03	4.56E-03	9.11E-03
1088 482259.06, 3852450.14	0.09355	0.09399	1.42E-02	1.49E-02	1.34E-02	1.37E-02	1.29E-02	3.76E-03	3.78E-03	7.55E-03	3.67E-03	3.69E-03	7.36E-03	3.62E-03	3.64E-03	7.27E-03
1089 482309.06, 3852450.14	0.07639	0.0768	1.16E-02	1.22E-02	1.09E-02	1.12E-02	1.06E-02	3.07E-03	3.09E-03	6.16E-03	3.00E-03	3.02E-03	6.02E-03	2.96E-03	2.98E-03	5.94E-03
1090 482209.06, 3852500.14	0.15459	0.15502	2.35E-02	2.45E-02	2.21E-02	2.27E-02	2.14E-02	6.22E-03	6.24E-03	1.25E-02	6.07E-03	6.09E-03	1.22E-02	5.99E-03	6.01E-03	1.20E-02
1091 482259.06, 3852500.14	0.11625	0.11669	1.77E-02	1.85E-02	1.66E-02	1.70E-02	1.61E-02	4.68E-03	4.70E-03	9.37E-03	4.57E-03	4.58E-03	9.15E-03	4.50E-03	4.52E-03	9.03E-03
1092 482309.06, 3852500.14	0.09202	0.09243	1.40E-02	1.46E-02	1.32E-02	1.35E-02	1.27E-02	3.70E-03	3.72E-03	7.42E-03	3.61E-03	3.63E-03	7.24E-03	3.57E-03	3.58E-03	7.15E-03
1093 482283.91, 3852513.62	0.10957	0.11	1.66E-02	1.74E-02	1.57E-02	1.61E-02	1.52E-02	4.41E-03	4.43E-03	8.84E-03	4.30E-03	4.32E-03	8.62E-03	4.25E-03	4.26E-03	8.51E-03
1094 482333.91, 3852513.62	0.08792	0.08832	1.34E-02	1.40E-02	1.26E-02	1.29E-02	1.22E-02	3.54E-03	3.55E-03	7.09E-03	3.45E-03	3.47E-03	6.92E-03	3.41E-03	3.42E-03	6.83E-03
1095 482283.91, 3852563.62	0.14205	0.14252	2.16E-02	2.26E-02	2.03E-02	2.08E-02	1.96E-02	5.72E-03	5.74E-03	1.15E-02	5.58E-03	5.60E-03	1.12E-02	5.50E-03	5.52E-03	1.10E-02
1096 482333.91, 3852563.62	0.10901	0.10943	1.66E-02	1.73E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.40E-03	8.79E-03	4.28E-03	4.30E-03	8.58E-03	4.22E-03	4.24E-03	8.46E-03
1097 482383.91, 3852563.62	0.08805	0.08841	1.34E-02	1.40E-02	1.26E-02	1.29E-02	1.22E-02	3.54E-03	3.56E-03	7.10E-03	3.46E-03	3.47E-03	6.93E-03	3.41E-03	3.43E-03	6.84E-03
1098 482283.91, 3852613.62	0.19721	0.19752	3.00E-02	3.13E-02	2.82E-02	2.89E-02	2.73E-02	7.94E-03	7.95E-03	1.59E-02	7.74E-03	7.76E-03	1.55E-02	7.64E-03	7.65E-03	1.53E-02
1099 482333.91, 3852613.62	0.14063	0.14104	2.14E-02	2.23E-02	2.01E-02	2.06E-02	1.95E-02	5.66E-03	5.68E-03	1.13E-02	5.52E-03	5.54E-03	1.11E-02	5.45E-03	5.47E-03	1.09E-02
1100 482383.91, 3852613.62	0.10838	0.10876	1.65E-02	1.72E-02	1.55E-02	1.59E-02	1.50E-02	4.36E-03	4.38E-03	8.74E-03	4.26E-03	4.27E-03	8.53E-03	4.20E-03	4.21E-03	8.41E-03
1101 482602.38, 3852600.87	0.04917	0.0495	7.47E-03	7.84E-03	7.04E-03	7.21E-03	6.80E-03	1.98E-03	1.99E-03	3.97E-03	1.93E-03	1.94E-03	3.87E-03	1.91E-03	1.92E-03	3.82E-03
1102 482652.38, 3852600.87	0.04389	0.04433	6.67E-03	7.02E-03	6.28E-03	6.44E-03	6.07E-03	1.77E-03	1.78E-03	3.55E-03	1.72E-03	1.74E-03	3.46E-03	1.70E-03	1.72E-03	3.42E-03
1103 482702.38, 3852600.87	0.03835	0.03889	5.83E-03	6.16E-03	5.49E-03	5.62E-03	5.30E-03	1.54E-03	1.57E-03	3.11E-03	1.51E-03	1.53E-03	3.03E-03	1.49E-03	1.51E-03	2.99E-03
1104 482552.38, 3852650.87	0.06478	0.06503	9.84E-03	1.03E-02	9.27E-03	9.50E-03	8.96E-03	2.61E-03	2.62E-03	5.22E-03	2.54E-03	2.55E-03	5.10E-03	2.51E-03	2.52E-03	5.03E-03
1105 482602.38, 3852650.87	0.05585	0.05618	8.49E-03	8.90E-03	8.00E-03	8.19E-03	7.72E-03	2.25E-03	2.26E-03	4.51E-03	2.19E-03	2.21E-03	4.40E-03	2.16E-03	2.18E-03	4.34E-03
1106 482652.38, 3852650.87	0.04935	0.04978	7.50E-03	7.88E-03	7.06E-03	7.24E-03	6.83E-03	1.99E-03	2.00E-03	3.99E-03	1.94E-03	1.95E-03	3.89E-03	1.91E-03	1.93E-03	3.84E-03
1107 482702.38, 3852650.87	0.04414	0.04467	6.71E-03	7.07E-03	6.32E-03	6.47E-03	6.10E-03	1.78E-03	1.80E-03	3.57E-03	1.73E-03	1.75E-03	3.49E-03	1.71E-03	1.73E-03	3.44E-03
1108 482552.38, 3852700.87	0.07621	0.07649	1.16E-02	1.21E-02	1.09E-02	1.12E-02	1.05E-02	3.07E-03	3.08E-03	6.15E-03	2.99E-03	3.00E-03	6.00E-03	2.95E-03	2.96E-03	5.92E-03
1109 482602.38, 3852700.87	0.06517	0.06549	9.90E-03	1.04E-02	9.33E-03	9.56E-03	9.01E-03	2.62E-03	2.64E-03	5.26E-03	2.56E-03	2.57E-03	5.13E-03	2.53E-03	2.54E-03	5.06E-03
1110 482652.38, 3852700.87	0.05759	0.05802	8.75E-03	9.19E-03	8.24E-03	8.44E-03	7.97E-03	2.32E-03	2.33E-03	4.65E-03	2.26E-03	2.28E-03	4.54E-03	2.23E-03	2.25E-03	4.48E-03
1111 482702.38, 3852700.87	0.05019	0.05072	7.63E-03	8.03E-03	7.19E-03	7.36E-03	6.94E-03	2.02E-03	2.04E-03	4.06E-03	1.97E-03	1.99E-03	3.96E-03	1.94E-03	1.97E-03	3.91E-03
1112 482452.38, 3852750.87	0.15323	0.15348	2.33E-02	2.43E-02	2.19E-02	2.25E-02	2.12E-02	6.17E-03	6.18E-03	1.23E-02	6.02E-03	6.03E-03	1.20E-02	5.94E-03	5.95E-03	1.19E-02
1113 482521.29, 3852749.74	0.10437	0.10464	1.59E-02	1.66E-02	1.49E-02	1.53E-02	1.44E-02	4.20E-03	4.21E-03	8.41E-03	4.10E-03	4.11E-03	8.21E-03	4.04E-03	4.05E-03	8.10E-03
1114 482571.29, 3852749.74	0.08484	0.08513	1.29E-02	1.35E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.43E-03	6.84E-03	3.33E-03	3.34E-03	6.67E-03	3.29E-03	3.30E-03	6.59E-03
1115 482521.29, 3852799.74	0.13429	0.13453	2.04E-02	2.13E-02	1.92E-02	1.97E-02	1.86E-02	5.40E-03	5.41E-03	1.08E-02	5.27E-03	5.28E-03	1.06E-02	5.20E-03	5.21E-03	1.04E-02
1116 482571.29, 3852799.74	0.10395	0.10422	1.58E-02	1.65E-02	1.49E-02	1.52E-02	1.44E-02	4.18E-03	4.19E-03	8.38E-03	4.08E-03	4.09E-03	8.17E-03	4.03E-03	4.04E-03	8.07E-03
1117 482621.29, 3852799.74	0.08433	0.08469	1.28E-02	1.34E-02	1.21E-02	1.24E-02	1.17E-02	3.39E-03	3.41E-03	6.80E-03	3.31E-03	3.33E-03	6.64E-03	3.27E-03	3.28E-03	6.55E-03
1118 482571.29, 3852849.74	0.13264	0.13287	2.02E-02	2.10E-02	1.90E-02	1.94E-02	1.83E-02	5.34E-03	5.35E-03	1.07E-02	5.21E-03	5.22E-03	1.04E-02	5.14E-03	5.15E-03	1.03E-02

1119 482621.29, 3852849.74	0.10214	0.10248	1.55E-02	1.62E-02	1.46E-02	1.50E-02	1.41E-02	4.11E-03	4.12E-03	8.23E-03	4.01E-03	4.02E-03	8.04E-03	3.96E-03	3.97E-03	7.93E-03
1120 482577.42, 3852901.55	0.17504	0.17518	2.66E-02	2.77E-02	2.51E-02	2.57E-02	2.42E-02	7.04E-03	7.05E-03	1.41E-02	6.87E-03	6.88E-03	1.38E-02	6.78E-03	6.79E-03	1.36E-02
1121 482627.42, 3852901.55	0.12589	0.12624	1.91E-02	2.00E-02	1.80E-02	1.85E-02	1.74E-02	5.07E-03	5.08E-03	1.01E-02	4.94E-03	4.96E-03	9.90E-03	4.88E-03	4.89E-03	9.77E-03
1122 482629.96, 3852955.85	0.17122	0.17172	2.60E-02	2.72E-02	2.45E-02	2.51E-02	2.37E-02	6.89E-03	6.91E-03	1.38E-02	6.72E-03	6.74E-03	1.35E-02	6.63E-03	6.65E-03	1.33E-02
1123 482679.96, 3852955.85	0.12238	0.12327	1.86E-02	1.95E-02	1.75E-02	1.79E-02	1.69E-02	4.92E-03	4.96E-03	9.89E-03	4.81E-03	4.84E-03	9.65E-03	4.74E-03	4.78E-03	9.52E-03
1124 482781.63, 3853034.48	0.09021	0.09207	1.37E-02	1.46E-02	1.29E-02	1.32E-02	1.25E-02	3.63E-03	3.71E-03	7.34E-03	3.54E-03	3.62E-03	7.16E-03	3.50E-03	3.57E-03	7.06E-03
1125 482831.63, 3853034.48	0.07262	0.07419	1.10E-02	1.17E-02	1.04E-02	1.06E-02	1.00E-02	2.92E-03	2.99E-03	5.91E-03	2.85E-03	2.91E-03	5.77E-03	2.81E-03	2.87E-03	5.69E-03
1126 482881.63, 3853034.48	0.06025	0.06164	9.16E-03	9.76E-03	8.63E-03	8.83E-03	8.33E-03	2.42E-03	2.48E-03	4.91E-03	2.37E-03	2.42E-03	4.79E-03	2.33E-03	2.39E-03	4.72E-03
1127 482781.63, 3853084.48	0.10204	0.10402	1.55E-02	1.65E-02	1.46E-02	1.50E-02	1.41E-02	4.11E-03	4.19E-03	8.29E-03	4.01E-03	4.08E-03	8.09E-03	3.95E-03	4.03E-03	7.98E-03
1128 482831.63, 3853084.48	0.08005	0.08173	1.22E-02	1.29E-02	1.15E-02	1.17E-02	1.11E-02	3.22E-03	3.29E-03	6.51E-03	3.14E-03	3.21E-03	6.35E-03	3.10E-03	3.17E-03	6.27E-03
1129 482881.63, 3853084.48	0.06595	0.06742	1.00E-02	1.07E-02	9.44E-03	9.67E-03	9.12E-03	2.65E-03	2.71E-03	5.37E-03	2.59E-03	2.65E-03	5.24E-03	2.56E-03	2.61E-03	5.17E-03
1130 482781.63, 3853134.48	0.11896	0.12102	1.81E-02	1.92E-02	1.70E-02	1.74E-02	1.65E-02	4.79E-03	4.87E-03	9.66E-03	4.67E-03	4.75E-03	9.42E-03	4.61E-03	4.69E-03	9.30E-03
1131 482831.63, 3853134.48	0.08999	0.09175	1.37E-02	1.45E-02	1.29E-02	1.32E-02	1.24E-02	3.62E-03	3.69E-03	7.31E-03	3.53E-03	3.60E-03	7.14E-03	3.49E-03	3.56E-03	7.04E-03
1132 482881.63, 3853134.48	0.0727	0.07423	1.10E-02	1.18E-02	1.04E-02	1.07E-02	1.01E-02	2.93E-03	2.99E-03	5.91E-03	2.85E-03	2.91E-03	5.77E-03	2.82E-03	2.88E-03	5.69E-03
1133 482831.63, 3853184.48	0.10328	0.1052	1.57E-02	1.67E-02	1.48E-02	1.51E-02	1.43E-02	4.16E-03	4.23E-03	8.39E-03	4.06E-03	4.13E-03	8.19E-03	4.00E-03	4.08E-03	8.08E-03
1134 482881.63, 3853184.48	0.08081	0.08251	1.23E-02	1.31E-02	1.16E-02	1.18E-02	1.12E-02	3.25E-03	3.32E-03	6.57E-03	3.17E-03	3.24E-03	6.41E-03	3.13E-03	3.20E-03	6.33E-03
1135 484154.84, 3854250.98	0.01251	0.03338	1.90E-03	5.29E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	1.34E-03	1.85E-03	4.91E-04	1.31E-03	1.80E-03	4.85E-04	1.29E-03	1.78E-03
1136 484204.84, 3854250.98	0.01212	0.03156	1.84E-03	5.00E-03	1.74E-03	1.78E-03	1.68E-03	4.88E-04	1.27E-03	1.76E-03	4.76E-04	1.24E-03	1.72E-03	4.70E-04	1.22E-03	1.69E-03
1137 484154.84, 3854300.98	0.01239	0.03659	1.88E-03	5.79E-03	1.77E-03	1.82E-03	1.71E-03	4.99E-04	1.47E-03	1.97E-03	4.87E-04	1.44E-03	1.92E-03	4.80E-04	1.42E-03	1.90E-03
1138 484204.84, 3854300.98	0.01208	0.03468	1.84E-03	5.49E-03	1.73E-03	1.77E-03	1.67E-03	4.86E-04	1.40E-03	1.88E-03	4.74E-04	1.36E-03	1.84E-03	4.68E-04	1.34E-03	1.81E-03
1139 484074.19, 3854519.8	0.01368	0.09365	2.08E-03	1.48E-02	1.96E-03	2.01E-03	1.89E-03	5.51E-04	3.77E-03	4.32E-03	5.37E-04	3.68E-03	4.21E-03	5.30E-04	3.63E-03	4.16E-03
1140 484124.19, 3854519.8	0.01314	0.07896	2.00E-03	1.25E-02	1.88E-03	1.93E-03	1.82E-03	5.29E-04	3.18E-03	3.71E-03	5.16E-04	3.10E-03	3.62E-03	5.09E-04	3.06E-03	3.57E-03
1141 484074.19, 3854569.8	0.01402	0.13035	2.13E-03	2.06E-02	2.01E-03	2.06E-03	1.94E-03	5.64E-04	5.25E-03	5.81E-03	5.51E-04	5.12E-03	5.67E-03	5.43E-04	5.05E-03	5.59E-03
1142 484124.19, 3854569.8	0.01338	0.10327	2.03E-03	1.64E-02	1.92E-03	1.96E-03	1.85E-03	5.38E-04	4.16E-03	4.69E-03	5.25E-04	4.06E-03	4.58E-03	5.18E-04	4.00E-03	4.52E-03
1143 485205.11, 3855188.89	0.0126	0.07467	1.91E-03	1.18E-02	1.80E-03	1.85E-03	1.74E-03	5.07E-04	3.00E-03	3.51E-03	4.95E-04	2.93E-03	3.43E-03	4.88E-04	2.89E-03	3.38E-03
1144 485255.11, 3855188.89	0.01216	0.06395	1.85E-03	1.01E-02	1.74E-03	1.78E-03	1.68E-03	4.89E-04	2.57E-03	3.06E-03	4.78E-04	2.51E-03	2.99E-03	4.71E-04	2.48E-03	2.95E-03
1145 485205.11, 3855238.89	0.01288	0.08647	1.96E-03	1.37E-02	1.84E-03	1.89E-03	1.78E-03	5.18E-04	3.48E-03	4.00E-03	5.06E-04	3.40E-03	3.90E-03	4.99E-04	3.35E-03	3.85E-03
1146 485255.11, 3855238.89	0.01257	0.07332	1.91E-03	1.16E-02	1.80E-03	1.84E-03	1.74E-03	5.06E-04	2.95E-03	3.46E-03	4.94E-04	2.88E-03	3.37E-03	4.87E-04	2.84E-03	3.33E-03
1147 485205.11, 3855288.89	0.01363	0.11253	2.07E-03	1.78E-02	1.95E-03	2.00E-03	1.89E-03	5.49E-04	4.53E-03	5.08E-03	5.35E-04	4.42E-03	4.95E-03	5.28E-04	4.36E-03	4.89E-03
1148 485255.11, 3855288.89	0.01322	0.09003	2.01E-03	1.43E-02	1.89E-03	1.94E-03	1.83E-03	5.32E-04	3.62E-03	4.16E-03	5.19E-04	3.54E-03	4.05E-03	5.12E-04	3.49E-03	4.00E-03
1149 485255.11, 3855338.89	0.01394	0.11523	2.12E-03	1.82E-02	2.00E-03	2.04E-03	1.93E-03	5.61E-04	4.64E-03	5.20E-03	5.47E-04	4.53E-03	5.07E-03	5.40E-04	4.46E-03	5.01E-03
1150 485305.11, 3855338.89	0.01347	0.09208	2.05E-03	1.46E-02	1.93E-03	1.98E-03	1.86E-03	5.42E-04	3.71E-03	4.25E-03	5.29E-04	3.62E-03	4.14E-03	5.22E-04	3.57E-03	4.09E-03
1151 485852.5, 3855635.28	0.01283	0.04837	1.95E-03	7.66E-03	1.84E-03	1.88E-03	1.77E-03	5.16E-04	1.95E-03	2.46E-03	5.04E-04	1.90E-03	2.40E-03	4.97E-04	1.87E-03	2.37E-03
1152 485902.5, 3855635.28	0.01243	0.04363	1.89E-03	6.91E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	1.76E-03	2.26E-03	4.88E-04	1.71E-03	2.20E-03	4.82E-04	1.69E-03	2.17E-03
1153 485852.5, 3855685.28	0.01326	0.05388	2.01E-03	8.53E-03	1.90E-03	1.94E-03	1.83E-03	5.34E-04	2.17E-03	2.70E-03	5.21E-04	2.12E-03	2.64E-03	5.14E-04	2.09E-03	2.60E-03
1154 485902.5, 3855685.28	0.01283	0.04802	1.95E-03	7.60E-03	1.84E-03	1.88E-03	1.77E-03	5.16E-04	1.93E-03	2.45E-03	5.04E-04	1.89E-03	2.39E-03	4.97E-04	1.86E-03	2.36E-03
1155 485852.5, 3855735.28	0.01372	0.06084	2.08E-03	9.63E-03	1.96E-03	2.01E-03	1.90E-03	5.52E-04	2.45E-03	3.00E-03	5.39E-04	2.39E-03	2.93E-03	5.32E-04	2.36E-03	2.89E-03
1156 485902.5, 3855735.28	0.01333	0.05377	2.03E-03	8.51E-03	1.91E-03	1.95E-03	1.84E-03	5.36E-04	2.16E-03	2.70E-03	5.23E-04	2.11E-03	2.64E-03	5.17E-04	2.08E-03	2.60E-03
1157 485852.5, 3855785.28	0.0143	0.07047	2.17E-03	1.12E-02	2.05E-03	2.10E-03	1.98E-03	5.75E-04	2.84E-03	3.41E-03	5.62E-04	2.77E-03	3.33E-03	5.54E-04	2.73E-03	3.28E-03
1158 485902.5, 3855785.28	0.01376	0.06057	2.09E-03	9.59E-03	1.97E-03	2.02E-03	1.90E-03	5.54E-04	2.44E-03	2.99E-03	5.40E-04	2.38E-03	2.92E-03	5.33E-04	2.35E-03	2.88E-03
1159 486809.46, 3856465.28	0.01363	0.04347	2.07E-03	6.88E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	1.75E-03	2.30E-03	5.35E-04	1.71E-03	2.24E-03	5.28E-04	1.68E-03	2.21E-03
1160 486859.46, 3856465.28	0.01341	0.04016	2.04E-03	6.36E-03	1.92E-03	1.97E-03	1.85E-03	5.40E-04	1.62E-03	2.16E-03	5.27E-04	1.58E-03	2.10E-03	5.20E-04	1.56E-03	2.08E-03
1161 486909.46, 3856465.28	0.01318	0.03733	2.00E-03	5.91E-03	1.89E-03	1.93E-03	1.82E-03	5.30E-04	1.50E-03	2.03E-03	5.18E-04	1.47E-03	1.98E-03	5.11E-04	1.45E-03	1.96E-03
1162 486809.46, 3856515.28	0.01407	0.04778	2.14E-03	7.57E-03	2.01E-03	2.06E-03	1.95E-03	5.66E-04	1.92E-03	2.49E-03	5.53E-04	1.88E-03	2.43E-03	5.45E-04	1.85E-03	2.40E-03
1163 486859.46, 3856515.28	0.01387	0.04375	2.11E-03	6.93E-03	1.99E-03	2.03E-03	1.92E-03	5.58E-04	1.76E-03	2.32E-03	5.45E-04	1.72E-03	2.26E-03	5.37E-04	1.70E-03	2.23E-03
1164 486909.46, 3856515.28	0.01364	0.04038	2.07E-03	6.39E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	1.63E-03	2.17E-03	5.36E-04	1.59E-03	2.12E-03	5.29E-04	1.56E-03	2.09E-03
1165 486980.94, 3856357.95	0.01211	0.02965	1.84E-03	4.69E-03	1.73E-03	1.78E-03	1.67E-03	4.87E-04	1.19E-03	1.68E-03	4.76E-04	1.16E-03	1.64E-03	4.69E-04	1.15E-03	1.62E-03
1166 487030.94, 3856357.95	0.01194	0.02817	1.81E-03	4.46E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	1.13E-03	1.61E-03	4.69E-04	1.11E-03	1.58E-03	4.63E-04	1.09E-03	1.55E-03
1167 486980.94, 3856407.95	0.01248	0.03155	1.90E-03	5.00E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	1.27E-03	1.77E-03	4.90E-04	1.24E-03	1.73E-03	4.84E-04	1.22E-03	1.71E-03
1168 487030.94, 3856407.95	0.01229	0.02985	1.87E-03	4.73E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	1.20E-03	1.70E-03	4.83E-04	1.17E-03	1.65E-03	4.76E-04	1.16E-03	1.63E-03
1169 487447.18, 3856437.45	0.01125	0.02138	1.71E-03	3.39E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	8.60E-04	1.31E-03	4.42E-04	8.40E-04	1.28E-03	4.36E-04	8.28E-04	1.26E-03
1170 487497.18, 3856437.45	0.01113	0.02065	1.69E-03	3.27E-03	1.59E-03	1.63E-03	1.54E-03	4.48E-04	8.31E-04	1.28E-03	4.37E-04	8.11E-04	1.25E-03	4.31E-04	8.00E-04	1.23E-03
1171 487547.18, 3856437.45	0.01103	0.01998	1.68E-03	3.16E-03	1.58E-03	1.62E-03	1.53E-03	4.44E-04	8.04E-04	1.25E-03	4.33E-04	7.85E-04	1.22E-03	4.27E-04	7.74E-04	1.20E-03
1172 487447.18, 3856487.45	0.01154	0.02221	1.75E-03	3.52E-03	1.65E-03	1.69E-03	1.60E-03	4.64E-04	8.94E-04	1.36E-03	4.53E-04	8.72E-04	1.33E-03	4.47E-04	8.61E-04	1.31E-03
1173 487497.18, 3856487.45	0.01141	0.02141	1.73E-03	3.39E-03	1.63E-03	1.67E-03	1.58E-03	4.59E-04	8.62E-04	1.32E-03	4.48E-04	8.41E-04	1.29E-03	4.42E-04	8.30E-04	1.27E-03
1174 487547.18, 3856487.45	0.0113	0.02068	1.72E-03	3.27E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	8.32E-04	1.29E-03	4.44E-04	8.12E-04	1.26E-03	4.38E-04	8.01E-04	1.24E-03
1175 487447.18, 3856537.45	0.01185	0.02312	1.80E-03	3.66E-03	1.70E-03	1.74E-03	1.64E-03	4.77E-04	9.30E-04	1.41E-03	4.65E-04	9.08E-04	1.37E-03	4.59E-04	8.96E-04	1.36E-03
1176 487497.18, 3856537.45	0.0117	0.02224	1.78E-03	3.52E-03	1.67E-03	1.72E-03	1.62E-03	4.71E-04	8.95E-04	1.37E-03	4.59E-04	8.73E-04	1.33E-03	4.53E-04	8.62E-04	1.32E-03
1177 487547.18, 3856537.45	0.01159	0.02145	1.76E-03	3.40E-03	1.66E-03	1.70E-03	1.60E-03	4.66E-04	8.63E-04	1.33E-03	4.55E-04	8.42E-04	1.30E-03	4.49E-04	8.31E-04	1.28E-03
1178 489285.89, 3858826.54	0.05323	0.05522	8.09E-03	8.74E-03	7.62E-03	7.80E-03	7.36E-03	2.14E-03	2.22E-03	4.36E-03	2.09E-03	2.17E-03	4.26E-03	2.06E-03	2.14E-03	4.20E-03
1179 489335.89, 3858826.54	0.04959	0.05063	7.54E-03	8.02E-03	7.10E-03	7.27E-03	6.86E-03	2.00E-03	2.04E-03	4.03E-03	1.95E-03	1.99E-03	3.94E-03	1.92E-03	1.96E-03	3.88E-03
1180 489385.89, 3858826.54	0.04639	0.0467	7.05E-03	7.39E-03	6.64E-03	6.80E-03	6.42E-03	1.87E-03	1.88E-03	3.75E-03	1.82E-03	1.83E-03	3.66E-03	1.80E-03	1.81E-03	3.61E-03
1181 489435.89, 3858826.54	0.04362	0.04343	6.63E-03	6.88E-03	6.24E-03	6.40E-03	6.03E-03	1.76E-03	1.75E-03	3.50E-03	1.71E-03	1.71E-03	3.42E-03	1.69E-03	1.68E-03	3.37E-03
1182 489485.89, 3858826.54	0.0412	0.04064	6.26E-03	6.43E-03	5.90E-03	6.04E-03	5.70E-03	1.66E-03	1.64E-03	3.29E-03	1.62E-03	1.60E-03	3.21E-03	1.60E-03	1.57E-03	3.17E-03
1183 489535.89, 3858826.54	0.03904	0.03822	5.93E-03	6.05E-03	5.59E-03	5.72E-03	5.40E-03	1.57E-03	1.54E-03	3.11E-03	1.53E-03	1.50E-03	3.03E-03	1.51E-03	1.48E-03	2.99E-03
1184 489585.89, 3858826.54	0.03713	0.03613	5.64E-03	5.72E-03	5.32E-03	5.44E-03	5.14E-03	1.49E-03	1.45E-03	2.95E-03	1.46E-03	1.42E-03	2.88E-03	1.44E-03	1.40E-03	2.84E-03

1185 489635.89, 3858826.54	0.03541	0.03426	5.38E-03	5.42E-03	5.07E-03	5.19E-03	4.90E-03	1.43E-03	1.38E-03	2.80E-03	1.39E-03	1.35E-03	2.74E-03	1.37E-03	1.33E-03	2.70E-03
1186 489685.89, 3858826.54	0.03384	0.03262	5.14E-03	5.16E-03	4.84E-03	4.96E-03	4.68E-03	1.36E-03	1.31E-03	2.67E-03	1.33E-03	1.28E-03	2.61E-03	1.31E-03	1.26E-03	2.58E-03
1187 489735.89, 3858826.54	0.0324	0.03112	4.92E-03	4.93E-03	4.64E-03	4.75E-03	4.48E-03	1.30E-03	1.25E-03	2.56E-03	1.27E-03	1.22E-03	2.49E-03	1.26E-03	1.21E-03	2.46E-03
1188 489785.89, 3858826.54	0.03112	0.0298	4.73E-03	4.72E-03	4.46E-03	4.56E-03	4.30E-03	1.25E-03	1.20E-03	2.45E-03	1.22E-03	1.17E-03	2.39E-03	1.21E-03	1.15E-03	2.36E-03
1189 489835.89, 3858826.54	0.02989	0.02855	4.54E-03	4.52E-03	4.28E-03	4.38E-03	4.13E-03	1.20E-03	1.15E-03	2.35E-03	1.17E-03	1.12E-03	2.29E-03	1.16E-03	1.11E-03	2.26E-03
1190 489885.89, 3858826.54	0.0288	0.02745	4.38E-03	4.35E-03	4.12E-03	4.22E-03	3.98E-03	1.16E-03	1.10E-03	2.26E-03	1.13E-03	1.08E-03	2.21E-03	1.12E-03	1.06E-03	2.18E-03
1191 489935.89, 3858826.54	0.02777	0.02643	4.22E-03	4.18E-03	3.98E-03	4.07E-03	3.84E-03	1.12E-03	1.06E-03	2.18E-03	1.09E-03	1.04E-03	2.13E-03	1.08E-03	1.02E-03	2.10E-03
1192 489985.89, 3858826.54	0.0268	0.02547	4.07E-03	4.03E-03	3.84E-03	3.93E-03	3.71E-03	1.08E-03	1.02E-03	2.10E-03	1.05E-03	1.00E-03	2.05E-03	1.04E-03	9.87E-04	2.03E-03
1193 490035.89, 3858826.54	0.02583	0.0245	3.92E-03	3.88E-03	3.70E-03	3.79E-03	3.57E-03	1.04E-03	9.86E-04	2.03E-03	1.01E-03	9.62E-04	1.98E-03	1.00E-03	9.49E-04	1.95E-03
1194 489285.89, 3858876.54	0.06158	0.06421	9.36E-03	1.02E-02	8.82E-03	9.03E-03	8.52E-03	2.48E-03	2.58E-03	5.06E-03	2.42E-03	2.52E-03	4.94E-03	2.39E-03	2.49E-03	4.87E-03
1195 489335.89, 3858876.54	0.05669	0.05804	8.61E-03	9.19E-03	8.12E-03	8.31E-03	7.84E-03	2.28E-03	2.34E-03	4.62E-03	2.23E-03	2.28E-03	4.51E-03	2.20E-03	2.25E-03	4.45E-03
1196 489385.89, 3858876.54	0.05256	0.05302	7.99E-03	8.39E-03	7.52E-03	7.71E-03	7.27E-03	2.12E-03	2.13E-03	4.25E-03	2.06E-03	2.08E-03	4.15E-03	2.04E-03	2.05E-03	4.09E-03
1197 489435.89, 3858876.54	0.049	0.04884	7.45E-03	7.73E-03	7.01E-03	7.18E-03	6.78E-03	1.97E-03	1.97E-03	3.94E-03	1.92E-03	1.92E-03	3.84E-03	1.90E-03	1.89E-03	3.79E-03
1198 489485.89, 3858876.54	0.04591	0.04531	6.98E-03	7.17E-03	6.57E-03	6.73E-03	6.35E-03	1.85E-03	1.82E-03	3.67E-03	1.80E-03	1.78E-03	3.58E-03	1.78E-03	1.76E-03	3.53E-03
1199 489535.89, 3858876.54	0.04321	0.0423	6.57E-03	6.70E-03	6.19E-03	6.34E-03	5.98E-03	1.74E-03	1.70E-03	3.44E-03	1.70E-03	1.66E-03	3.36E-03	1.67E-03	1.64E-03	3.31E-03
1200 489585.89, 3858876.54	0.04079	0.03967	6.20E-03	6.28E-03	5.84E-03	5.98E-03	5.64E-03	1.64E-03	1.60E-03	3.24E-03	1.60E-03	1.56E-03	3.16E-03	1.58E-03	1.54E-03	3.12E-03
1201 489635.89, 3858876.54	0.0387	0.03745	5.88E-03	5.93E-03	5.54E-03	5.67E-03	5.35E-03	1.56E-03	1.51E-03	3.06E-03	1.52E-03	1.47E-03	2.99E-03	1.50E-03	1.45E-03	2.95E-03
1202 489685.89, 3858876.54	0.03682	0.03547	5.59E-03	5.62E-03	5.27E-03	5.40E-03	5.09E-03	1.48E-03	1.43E-03	2.91E-03	1.45E-03	1.39E-03	2.84E-03	1.43E-03	1.37E-03	2.80E-03
1203 489735.89, 3858876.54	0.0351	0.03369	5.33E-03	5.33E-03	5.02E-03	5.15E-03	4.85E-03	1.41E-03	1.36E-03	2.77E-03	1.38E-03	1.32E-03	2.70E-03	1.36E-03	1.31E-03	2.67E-03
1204 489785.89, 3858876.54	0.03358	0.03215	5.10E-03	5.09E-03	4.81E-03	4.92E-03	4.64E-03	1.35E-03	1.29E-03	2.65E-03	1.32E-03	1.26E-03	2.58E-03	1.30E-03	1.25E-03	2.55E-03
1205 489835.89, 3858876.54	0.03217	0.03074	4.89E-03	4.87E-03	4.61E-03	4.72E-03	4.45E-03	1.29E-03	1.24E-03	2.53E-03	1.26E-03	1.21E-03	2.47E-03	1.25E-03	1.19E-03	2.44E-03
1206 489885.89, 3858876.54	0.03093	0.0295	4.70E-03	4.67E-03	4.43E-03	4.54E-03	4.28E-03	1.24E-03	1.19E-03	2.43E-03	1.21E-03	1.16E-03	2.37E-03	1.20E-03	1.14E-03	2.34E-03
1207 489935.89, 3858876.54	0.02972	0.0283	4.52E-03	4.48E-03	4.25E-03	4.36E-03	4.11E-03	1.20E-03	1.14E-03	2.33E-03	1.17E-03	1.11E-03	2.28E-03	1.15E-03	1.10E-03	2.25E-03
1208 489985.89, 3858876.54	0.02855	0.02715	4.34E-03	4.30E-03	4.09E-03	4.19E-03	3.95E-03	1.15E-03	1.09E-03	2.24E-03	1.12E-03	1.07E-03	2.19E-03	1.11E-03	1.05E-03	2.16E-03
1209 490035.89, 3858876.54	0.02747	0.02608	4.17E-03	4.13E-03	3.93E-03	4.03E-03	3.80E-03	1.11E-03	1.05E-03	2.16E-03	1.08E-03	1.02E-03	2.10E-03	1.06E-03	1.01E-03	2.07E-03
1210 489285.89, 3858926.54	0.07325	0.07674	1.11E-02	1.22E-02	1.05E-02	1.07E-02	1.01E-02	2.95E-03	3.09E-03	6.04E-03	2.88E-03	3.01E-03	5.89E-03	2.84E-03	2.97E-03	5.81E-03
1211 489335.89, 3858926.54	0.06638	0.06812	1.01E-02	1.08E-02	9.50E-03	9.73E-03	9.18E-03	2.67E-03	2.74E-03	5.41E-03	2.61E-03	2.68E-03	5.28E-03	2.57E-03	2.64E-03	5.21E-03
1212 489385.89, 3858926.54	0.06067	0.06126	9.22E-03	9.70E-03	8.69E-03	8.90E-03	8.39E-03	2.44E-03	2.47E-03	4.91E-03	2.38E-03	2.41E-03	4.79E-03	2.35E-03	2.37E-03	4.72E-03
1213 489435.89, 3858926.54	0.05594	0.05579	8.50E-03	8.83E-03	8.01E-03	8.20E-03	7.74E-03	2.25E-03	2.25E-03	4.50E-03	2.20E-03	2.19E-03	4.39E-03	2.17E-03	2.16E-03	4.33E-03
1214 489485.89, 3858926.54	0.05191	0.05125	7.89E-03	8.11E-03	7.43E-03	7.61E-03	7.18E-03	2.09E-03	2.06E-03	4.15E-03	2.04E-03	2.01E-03	4.05E-03	2.01E-03	1.99E-03	4.00E-03
1215 489535.89, 3858926.54	0.04843	0.04744	7.36E-03	7.51E-03	6.93E-03	7.10E-03	6.70E-03	1.95E-03	1.91E-03	3.86E-03	1.90E-03	1.86E-03	3.76E-03	1.88E-03	1.84E-03	3.71E-03
1216 489585.89, 3858926.54	0.0454	0.04419	6.90E-03	7.00E-03	6.50E-03	6.66E-03	6.28E-03	1.83E-03	1.78E-03	3.61E-03	1.78E-03	1.74E-03	3.52E-03	1.76E-03	1.71E-03	3.47E-03
1217 489635.89, 3858926.54	0.04276	0.0414	6.50E-03	6.55E-03	6.12E-03	6.27E-03	5.91E-03	1.72E-03	1.67E-03	3.39E-03	1.68E-03	1.63E-03	3.30E-03	1.66E-03	1.60E-03	3.26E-03
1218 489685.89, 3858926.54	0.0404	0.03896	6.14E-03	6.17E-03	5.78E-03	5.92E-03	5.59E-03	1.63E-03	1.57E-03	3.19E-03	1.59E-03	1.53E-03	3.12E-03	1.57E-03	1.51E-03	3.08E-03
1219 489735.89, 3858926.54	0.03836	0.03688	5.83E-03	5.84E-03	5.49E-03	5.62E-03	5.31E-03	1.54E-03	1.48E-03	3.03E-03	1.51E-03	1.45E-03	2.95E-03	1.49E-03	1.43E-03	2.92E-03
1220 489785.89, 3858926.54	0.03654	0.03504	5.55E-03	5.55E-03	5.23E-03	5.36E-03	5.05E-03	1.47E-03	1.41E-03	2.88E-03	1.43E-03	1.38E-03	2.81E-03	1.42E-03	1.36E-03	2.77E-03
1221 489835.89, 3858926.54	0.03486	0.03334	5.30E-03	5.28E-03	4.99E-03	5.11E-03	4.82E-03	1.40E-03	1.34E-03	2.74E-03	1.37E-03	1.31E-03	2.68E-03	1.35E-03	1.29E-03	2.64E-03
1222 489885.89, 3858926.54	0.03336	0.03186	5.07E-03	5.04E-03	4.78E-03	4.89E-03	4.61E-03	1.34E-03	1.28E-03	2.62E-03	1.31E-03	1.25E-03	2.56E-03	1.29E-03	1.23E-03	2.53E-03
1223 489935.89, 3858926.54	0.03197	0.03049	4.86E-03	4.83E-03	4.58E-03	4.69E-03	4.42E-03	1.29E-03	1.23E-03	2.51E-03	1.26E-03	1.20E-03	2.45E-03	1.24E-03	1.18E-03	2.42E-03
1224 489985.89, 3858926.54	0.03065	0.02918	4.66E-03	4.62E-03	4.39E-03	4.49E-03	4.24E-03	1.23E-03	1.17E-03	2.41E-03	1.20E-03	1.15E-03	2.35E-03	1.19E-03	1.13E-03	2.32E-03
1225 490035.89, 3858926.54	0.02926	0.02784	4.45E-03	4.41E-03	4.19E-03	4.29E-03	4.05E-03	1.18E-03	1.12E-03	2.30E-03	1.15E-03	1.09E-03	2.24E-03	1.13E-03	1.08E-03	2.21E-03
1226 489335.89, 3858976.54	0.08015	0.08241	1.22E-02	1.30E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.32E-03	6.54E-03	3.15E-03	3.24E-03	6.38E-03	3.11E-03	3.19E-03	6.30E-03
1227 489385.89, 3858976.54	0.0719	0.07271	1.09E-02	1.15E-02	1.03E-02	1.05E-02	9.94E-03	2.89E-03	2.93E-03	5.82E-03	2.82E-03	2.86E-03	5.68E-03	2.79E-03	2.82E-03	5.60E-03
1228 489435.89, 3858976.54	0.06536	0.06528	9.93E-03	1.03E-02	9.36E-03	9.58E-03	9.04E-03	2.63E-03	2.63E-03	5.26E-03	2.57E-03	2.56E-03	5.13E-03	2.53E-03	2.53E-03	5.06E-03
1229 489485.89, 3858976.54	0.05983	0.0592	9.09E-03	9.37E-03	8.57E-03	8.77E-03	8.27E-03	2.41E-03	2.38E-03	4.79E-03	2.35E-03	2.32E-03	4.67E-03	2.32E-03	2.29E-03	4.61E-03
1230 489535.89, 3858976.54	0.05516	0.05417	8.38E-03	8.58E-03	7.90E-03	8.09E-03	7.63E-03	2.22E-03	2.18E-03	4.40E-03	2.17E-03	2.13E-03	4.29E-03	2.14E-03	2.10E-03	4.24E-03
1231 489585.89, 3858976.54	0.05127	0.05005	7.79E-03	7.92E-03	7.34E-03	7.52E-03	7.09E-03	2.06E-03	2.01E-03	4.08E-03	2.01E-03	1.97E-03	3.98E-03	1.99E-03	1.94E-03	3.93E-03
1232 489635.89, 3858976.54	0.04787	0.04649	7.27E-03	7.36E-03	6.85E-03	7.02E-03	6.62E-03	1.93E-03	1.87E-03	3.80E-03	1.88E-03	1.83E-03	3.71E-03	1.85E-03	1.80E-03	3.66E-03
1233 489685.89, 3858976.54	0.04489	0.04342	6.82E-03	6.87E-03	6.43E-03	6.58E-03	6.21E-03	1.81E-03	1.75E-03	3.55E-03	1.76E-03	1.71E-03	3.47E-03	1.74E-03	1.68E-03	3.42E-03
1234 489735.89, 3858976.54	0.04233	0.04081	6.43E-03	6.46E-03	6.06E-03	6.21E-03	5.85E-03	1.70E-03	1.64E-03	3.35E-03	1.66E-03	1.60E-03	3.26E-03	1.64E-03	1.58E-03	3.22E-03
1235 489785.89, 3858976.54	0.04011	0.03857	6.09E-03	6.11E-03	5.74E-03	5.88E-03	5.55E-03	1.61E-03	1.55E-03	3.17E-03	1.58E-03	1.51E-03	3.09E-03	1.55E-03	1.49E-03	3.05E-03
1236 489835.89, 3858976.54	0.03811	0.03656	5.79E-03	5.79E-03	5.46E-03	5.59E-03	5.27E-03	1.53E-03	1.47E-03	3.00E-03	1.50E-03	1.44E-03	2.93E-03	1.48E-03	1.42E-03	2.89E-03
1237 489885.89, 3858976.54	0.03623	0.0347	5.51E-03	5.49E-03	5.19E-03	5.31E-03	5.01E-03	1.46E-03	1.40E-03	2.85E-03	1.42E-03	1.36E-03	2.79E-03	1.40E-03	1.34E-03	2.75E-03
1238 489935.89, 3858976.54	0.03456	0.03305	5.25E-03	5.23E-03	4.95E-03	5.07E-03	4.78E-03	1.39E-03	1.33E-03	2.72E-03	1.36E-03	1.30E-03	2.66E-03	1.34E-03	1.28E-03	2.62E-03
1239 489985.89, 3858976.54	0.03304	0.03155	5.02E-03	5.00E-03	4.73E-03	4.84E-03	4.57E-03	1.33E-03	1.27E-03	2.60E-03	1.30E-03	1.24E-03	2.54E-03	1.28E-03	1.22E-03	2.50E-03
1240 490035.89, 3858976.54	0.03114	0.02971	4.73E-03	4.70E-03	4.46E-03	4.57E-03	4.31E-03	1.25E-03	1.20E-03	2.45E-03	1.22E-03	1.17E-03	2.39E-03	1.21E-03	1.15E-03	2.36E-03
1241 489385.89, 3859026.54	0.08841	0.08987	1.34E-02	1.42E-02	1.27E-02	1.30E-02	1.22E-02	3.56E-03	3.62E-03	7.17E-03	3.47E-03	3.53E-03	7.00E-03	3.43E-03	3.48E-03	6.91E-03
1242 489435.89, 3859026.54	0.07852	0.07884	1.19E-02	1.25E-02	1.12E-02	1.15E-02	1.09E-02	3.16E-03	3.17E-03	6.33E-03	3.08E-03	3.10E-03	6.18E-03	3.04E-03	3.05E-03	6.10E-03
1243 489485.89, 3859026.54	0.07062	0.07025	1.07E-02	1.11E-02	1.01E-02	1.04E-02	9.77E-03	2.84E-03	2.83E-03	5.67E-03	2.77E-03	2.76E-03	5.53E-03	2.74E-03	2.72E-03	5.46E-03
1244 489535.89, 3859026.54	0.06423	0.06342	9.76E-03	1.00E-02	9.20E-03	9.42E-03	8.88E-03	2.58E-03	2.55E-03	5.14E-03	2.52E-03	2.49E-03	5.01E-03	2.49E-03	2.46E-03	4.95E-03
1245 489585.89, 3859026.54	0.05887	0.05777	8.95E-03	9.15E-03	8.43E-03	8.63E-03	8.14E-03	2.37E-03	2.32E-03	4.69E-03	2.31E-03	2.27E-03	4.58E-03	2.28E-03	2.24E-03	4.52E-03
1246 489635.89, 3859026.54	0.05442	0.05313	8.27E-03	8.41E-03	7.79E-03	7.98E-03	7.53E-03	2.19E-03	2.14E-03	4.33E-03	2.14E-03	2.09E-03	4.22E-03	2.11E-03	2.06E-03	4.17E-03
1247 489685.89, 3859026.54	0.0506	0.0492	7.69E-03	7.79E-03	7.24E-03	7.42E-03	7.00E-03	2.04E-03	1.98E-03	4.02E-03	1.99E-03	1.93E-03	3.92E-03	1.96E-03	1.91E-03	3.87E-03
1248 489735.89, 3859026.54	0.04736	0.04589	7.20E-03	7.27E-03	6.78E-03	6.94E-03	6.55E-03	1.91E-03	1.85E-03	3.75E-03	1.86E-03	1.80E-03	3.66E-03	1.84E-03	1.78E-03	3.61E-03
1249 489785.89, 3859026.54	0.04453	0.04302	6.77E-03	6.81E-03	6.37E-03	6.53E-03	6.16E-03	1.79E-03	1.73E-03	3.52E-03	1.75E-03	1.69E-03	3.44E-03	1.73E-03	1.67E-03	3.39E-03
1250 489835.89, 3859026.54	0.04193	0.04041	6.37E-03	6.40E-03	6.00E-03	6.15E-03	5.80E-03	1.69E-03	1.63E-03	3.31E-03	1.65E-03	1.59E-03	3.23E-03	1.62E-03	1.57E-03	3.19E-03

1251 489885.89, 3859026.54	0.0397	0.03817	6.03E-03	6.04E-03	5.68E-03	5.82E-03	5.49E-03	1.60E-03	1.54E-03	3.13E-03	1.56E-03	1.50E-03	3.06E-03	1.54E-03	1.48E-03	3.02E-03
1252 489935.89, 3859026.54	0.03767	0.03616	5.72E-03	5.73E-03	5.39E-03	5.52E-03	5.21E-03	1.52E-03	1.46E-03	2.97E-03	1.48E-03	1.42E-03	2.90E-03	1.46E-03	1.40E-03	2.86E-03
1253 489985.89, 3859026.54	0.03583	0.03435	5.44E-03	5.44E-03	5.13E-03	5.25E-03	4.96E-03	1.44E-03	1.38E-03	2.82E-03	1.41E-03	1.35E-03	2.76E-03	1.39E-03	1.33E-03	2.72E-03
1254 490035.89, 3859026.54	0.03349	0.03207	5.09E-03	5.08E-03	4.79E-03	4.91E-03	4.63E-03	1.35E-03	1.29E-03	2.64E-03	1.32E-03	1.26E-03	2.57E-03	1.30E-03	1.24E-03	2.54E-03
1255 489485.89, 3859076.54	0.08635	0.0868	1.31E-02	1.37E-02	1.24E-02	1.27E-02	1.19E-02	3.47E-03	3.49E-03	6.97E-03	3.39E-03	3.41E-03	6.80E-03	3.35E-03	3.36E-03	6.71E-03
1256 489535.89, 3859076.54	0.07685	0.07657	1.17E-02	1.21E-02	1.10E-02	1.13E-02	1.06E-02	3.09E-03	3.08E-03	6.17E-03	3.02E-03	3.01E-03	6.02E-03	2.98E-03	2.97E-03	5.94E-03
1257 489585.89, 3859076.54	0.06926	0.06852	1.05E-02	1.08E-02	9.92E-03	1.02E-02	9.58E-03	2.79E-03	2.76E-03	5.54E-03	2.72E-03	2.69E-03	5.41E-03	2.68E-03	2.66E-03	5.34E-03
1258 489635.89, 3859076.54	0.06319	0.06215	9.60E-03	9.84E-03	9.05E-03	9.27E-03	8.74E-03	2.54E-03	2.50E-03	5.04E-03	2.48E-03	2.44E-03	4.92E-03	2.45E-03	2.41E-03	4.86E-03
1259 489685.89, 3859076.54	0.05811	0.05688	8.83E-03	9.01E-03	8.32E-03	8.52E-03	8.04E-03	2.34E-03	2.29E-03	4.63E-03	2.28E-03	2.23E-03	4.52E-03	2.25E-03	2.20E-03	4.46E-03
1260 489735.89, 3859076.54	0.0538	0.05245	8.18E-03	8.30E-03	7.70E-03	7.89E-03	7.44E-03	2.17E-03	2.11E-03	4.28E-03	2.11E-03	2.06E-03	4.17E-03	2.08E-03	2.03E-03	4.12E-03
1261 489785.89, 3859076.54	0.05011	0.04869	7.61E-03	7.71E-03	7.17E-03	7.35E-03	6.93E-03	2.02E-03	1.96E-03	3.98E-03	1.97E-03	1.91E-03	3.88E-03	1.94E-03	1.89E-03	3.83E-03
1262 489835.89, 3859076.54	0.04685	0.04539	7.12E-03	7.19E-03	6.71E-03	6.87E-03	6.48E-03	1.89E-03	1.83E-03	3.71E-03	1.84E-03	1.78E-03	3.62E-03	1.82E-03	1.76E-03	3.57E-03
1263 489885.89, 3859076.54	0.04398	0.04251	6.68E-03	6.73E-03	6.30E-03	6.45E-03	6.08E-03	1.77E-03	1.71E-03	3.48E-03	1.73E-03	1.67E-03	3.40E-03	1.70E-03	1.65E-03	3.35E-03
1264 489935.89, 3859076.54	0.04151	0.04005	6.31E-03	6.34E-03	5.94E-03	6.09E-03	5.74E-03	1.67E-03	1.61E-03	3.28E-03	1.63E-03	1.57E-03	3.20E-03	1.61E-03	1.55E-03	3.16E-03
1265 489985.89, 3859076.54	0.03924	0.0378	5.96E-03	5.98E-03	5.62E-03	5.75E-03	5.43E-03	1.58E-03	1.52E-03	3.10E-03	1.54E-03	1.48E-03	3.03E-03	1.52E-03	1.46E-03	2.99E-03
1266 490035.89, 3859076.54	0.0366	0.0352	5.56E-03	5.57E-03	5.24E-03	5.37E-03	5.06E-03	1.47E-03	1.42E-03	2.89E-03	1.44E-03	1.38E-03	2.82E-03	1.42E-03	1.36E-03	2.78E-03
1267 489585.89, 3859126.54	0.08439	0.08427	1.28E-02	1.33E-02	1.21E-02	1.24E-02	1.17E-02	3.40E-03	3.39E-03	6.79E-03	3.31E-03	3.31E-03	6.62E-03	3.27E-03	3.27E-03	6.54E-03
1268 489635.89, 3859126.54	0.07547	0.07483	1.15E-02	1.18E-02	1.08E-02	1.11E-02	1.04E-02	3.04E-03	3.01E-03	6.05E-03	2.96E-03	2.94E-03	5.90E-03	2.92E-03	2.90E-03	5.82E-03
1269 489685.89, 3859126.54	0.06824	0.06728	1.04E-02	1.07E-02	9.77E-03	1.00E-02	9.44E-03	2.75E-03	2.71E-03	5.45E-03	2.68E-03	2.64E-03	5.32E-03	2.64E-03	2.61E-03	5.25E-03
1270 489735.89, 3859126.54	0.0623	0.06116	9.47E-03	9.68E-03	8.92E-03	9.13E-03	8.62E-03	2.51E-03	2.46E-03	4.97E-03	2.45E-03	2.40E-03	4.85E-03	2.41E-03	2.37E-03	4.78E-03
1271 489785.89, 3859126.54	0.05735	0.05609	8.71E-03	8.88E-03	8.21E-03	8.41E-03	7.93E-03	2.31E-03	2.26E-03	4.57E-03	2.25E-03	2.20E-03	4.45E-03	2.22E-03	2.17E-03	4.40E-03
1272 489835.89, 3859126.54	0.05309	0.05176	8.07E-03	8.20E-03	7.60E-03	7.78E-03	7.34E-03	2.14E-03	2.08E-03	4.22E-03	2.08E-03	2.03E-03	4.12E-03	2.06E-03	2.01E-03	4.06E-03
1273 489885.89, 3859126.54	0.04937	0.048	7.50E-03	7.60E-03	7.07E-03	7.24E-03	6.83E-03	1.99E-03	1.93E-03	3.92E-03	1.94E-03	1.88E-03	3.82E-03	1.91E-03	1.86E-03	3.77E-03
1274 489935.89, 3859126.54	0.04624	0.04486	7.03E-03	7.10E-03	6.62E-03	6.78E-03	6.40E-03	1.86E-03	1.81E-03	3.67E-03	1.82E-03	1.76E-03	3.58E-03	1.79E-03	1.74E-03	3.53E-03
1275 489985.89, 3859126.54	0.04325	0.04187	6.57E-03	6.63E-03	6.19E-03	6.34E-03	5.98E-03	1.74E-03	1.68E-03	3.43E-03	1.70E-03	1.64E-03	3.34E-03	1.68E-03	1.62E-03	3.30E-03
1276 490035.89, 3859126.54	0.04043	0.03909	6.14E-03	6.19E-03	5.79E-03	5.93E-03	5.59E-03	1.63E-03	1.57E-03	3.20E-03	1.59E-03	1.54E-03	3.12E-03	1.57E-03	1.51E-03	3.08E-03
1277 489585.89, 3859176.54	0.10797	0.10884	1.64E-02	1.72E-02	1.55E-02	1.58E-02	1.49E-02	4.35E-03	4.38E-03	8.73E-03	4.24E-03	4.27E-03	8.51E-03	4.18E-03	4.22E-03	8.40E-03
1278 489635.89, 3859176.54	0.09367	0.09364	1.42E-02	1.48E-02	1.34E-02	1.37E-02	1.30E-02	3.77E-03	3.77E-03	7.54E-03	3.68E-03	3.68E-03	7.36E-03	3.63E-03	3.63E-03	7.26E-03
1279 489685.89, 3859176.54	0.08281	0.08226	1.26E-02	1.30E-02	1.19E-02	1.21E-02	1.15E-02	3.33E-03	3.31E-03	6.64E-03	3.25E-03	3.23E-03	6.48E-03	3.21E-03	3.19E-03	6.40E-03
1280 489735.89, 3859176.54	0.07423	0.07339	1.13E-02	1.16E-02	1.06E-02	1.09E-02	1.03E-02	2.99E-03	2.95E-03	5.94E-03	2.91E-03	2.88E-03	5.80E-03	2.88E-03	2.84E-03	5.72E-03
1281 489785.89, 3859176.54	0.06714	0.06613	1.02E-02	1.05E-02	9.61E-03	9.84E-03	9.29E-03	2.70E-03	2.66E-03	5.36E-03	2.64E-03	2.60E-03	5.23E-03	2.60E-03	2.56E-03	5.16E-03
1282 489835.89, 3859176.54	0.06135	0.06023	9.32E-03	9.54E-03	8.78E-03	9.00E-03	8.49E-03	2.47E-03	2.42E-03	4.89E-03	2.41E-03	2.37E-03	4.77E-03	2.38E-03	2.33E-03	4.71E-03
1283 489885.89, 3859176.54	0.05642	0.05524	8.57E-03	8.75E-03	8.08E-03	8.27E-03	7.80E-03	2.27E-03	2.22E-03	4.49E-03	2.22E-03	2.17E-03	4.38E-03	2.19E-03	2.14E-03	4.33E-03
1284 489935.89, 3859176.54	0.05231	0.05109	7.95E-03	8.09E-03	7.49E-03	7.67E-03	7.23E-03	2.11E-03	2.06E-03	4.16E-03	2.05E-03	2.01E-03	4.06E-03	2.03E-03	1.98E-03	4.01E-03
1285 489985.89, 3859176.54	0.04849	0.04724	7.37E-03	7.48E-03	6.94E-03	7.11E-03	6.71E-03	1.95E-03	1.90E-03	3.85E-03	1.90E-03	1.86E-03	3.76E-03	1.88E-03	1.83E-03	3.71E-03
1286 490035.89, 3859176.54	0.04547	0.04422	6.91E-03	7.00E-03	6.51E-03	6.67E-03	6.29E-03	1.83E-03	1.78E-03	3.61E-03	1.79E-03	1.74E-03	3.52E-03	1.76E-03	1.71E-03	3.48E-03
1287 489685.89, 3859226.54	0.10521	0.10539	1.60E-02	1.67E-02	1.51E-02	1.54E-02	1.46E-02	4.23E-03	4.24E-03	8.48E-03	4.13E-03	4.14E-03	8.27E-03	4.08E-03	4.08E-03	8.16E-03
1288 489735.89, 3859226.54	0.09174	0.09145	1.39E-02	1.45E-02	1.31E-02	1.35E-02	1.27E-02	3.69E-03	3.68E-03	7.37E-03	3.60E-03	3.59E-03	7.19E-03	3.55E-03	3.54E-03	7.10E-03
1289 489785.89, 3859226.54	0.08117	0.08059	1.23E-02	1.28E-02	1.16E-02	1.19E-02	1.12E-02	3.27E-03	3.24E-03	6.51E-03	3.19E-03	3.16E-03	6.35E-03	3.15E-03	3.12E-03	6.27E-03
1290 489835.89, 3859226.54	0.07266	0.07192	1.10E-02	1.14E-02	1.04E-02	1.07E-02	1.00E-02	2.92E-03	2.89E-03	5.82E-03	2.85E-03	2.82E-03	5.68E-03	2.82E-03	2.79E-03	5.60E-03
1291 489885.89, 3859226.54	0.06587	0.065	1.00E-02	1.03E-02	9.43E-03	9.66E-03	9.11E-03	2.65E-03	2.62E-03	5.27E-03	2.59E-03	2.55E-03	5.14E-03	2.55E-03	2.52E-03	5.07E-03
1292 489935.89, 3859226.54	0.06021	0.05926	9.15E-03	9.38E-03	8.62E-03	8.83E-03	8.33E-03	2.42E-03	2.38E-03	4.81E-03	2.36E-03	2.33E-03	4.69E-03	2.33E-03	2.30E-03	4.63E-03
1293 489985.89, 3859226.54	0.05502	0.054	8.36E-03	8.55E-03	7.88E-03	8.07E-03	7.61E-03	2.21E-03	2.17E-03	4.39E-03	2.16E-03	2.12E-03	4.28E-03	2.13E-03	2.09E-03	4.22E-03
1294 490035.89, 3859226.54	0.05122	0.05017	7.78E-03	7.94E-03	7.33E-03	7.51E-03	7.08E-03	2.06E-03	2.02E-03	4.08E-03	2.01E-03	1.97E-03	3.98E-03	1.98E-03	1.94E-03	3.93E-03
1295 489735.89, 3859276.54	0.12015	0.12107	1.83E-02	1.92E-02	1.72E-02	1.76E-02	1.66E-02	4.84E-03	4.87E-03	9.71E-03	4.72E-03	4.75E-03	9.47E-03	4.66E-03	4.69E-03	9.35E-03
1296 489785.89, 3859276.54	0.10271	0.10299	1.56E-02	1.63E-02	1.47E-02	1.51E-02	1.42E-02	4.13E-03	4.14E-03	8.28E-03	4.03E-03	4.04E-03	8.08E-03	3.98E-03	3.99E-03	7.97E-03
1297 489835.89, 3859276.54	0.08938	0.08928	1.36E-02	1.41E-02	1.28E-02	1.31E-02	1.24E-02	3.60E-03	3.59E-03	7.19E-03	3.51E-03	3.51E-03	7.02E-03	3.46E-03	3.46E-03	6.92E-03
1298 489885.89, 3859276.54	0.07932	0.07896	1.21E-02	1.25E-02	1.14E-02	1.16E-02	1.10E-02	3.19E-03	3.18E-03	6.37E-03	3.11E-03	3.10E-03	6.22E-03	3.07E-03	3.06E-03	6.13E-03
1299 489935.89, 3859276.54	0.07111	0.07058	1.08E-02	1.12E-02	1.02E-02	1.04E-02	9.84E-03	2.86E-03	2.84E-03	5.70E-03	2.79E-03	2.77E-03	5.56E-03	2.76E-03	2.73E-03	5.49E-03
1300 489985.89, 3859276.54	0.06381	0.06312	9.70E-03	9.99E-03	9.14E-03	9.36E-03	8.83E-03	2.57E-03	2.54E-03	5.11E-03	2.51E-03	2.48E-03	4.98E-03	2.47E-03	2.45E-03	4.92E-03
1301 490035.89, 3859276.54	0.05902	0.05823	8.97E-03	9.22E-03	8.45E-03	8.65E-03	8.16E-03	2.38E-03	2.34E-03	4.72E-03	2.32E-03	2.29E-03	4.60E-03	2.29E-03	2.26E-03	4.54E-03
1302 490458.06, 3859590.74	0.09959	0.1003	1.51E-02	1.59E-02	1.43E-02	1.46E-02	1.38E-02	4.01E-03	4.04E-03	8.04E-03	3.91E-03	3.94E-03	7.85E-03	3.86E-03	3.89E-03	7.75E-03
1303 490508.06, 3859590.74	0.08806	0.08868	1.34E-02	1.40E-02	1.26E-02	1.29E-02	1.22E-02	3.54E-03	3.57E-03	7.11E-03	3.46E-03	3.48E-03	6.94E-03	3.41E-03	3.44E-03	6.85E-03
1304 490558.06, 3859590.74	0.07849	0.07897	1.19E-02	1.25E-02	1.12E-02	1.15E-02	1.09E-02	3.16E-03	3.18E-03	6.34E-03	3.08E-03	3.10E-03	6.18E-03	3.04E-03	3.06E-03	6.10E-03
1305 490608.06, 3859590.74	0.07057	0.07092	1.07E-02	1.12E-02	1.01E-02	1.03E-02	9.76E-03	2.84E-03	2.85E-03	5.69E-03	2.77E-03	2.79E-03	5.56E-03	2.73E-03	2.75E-03	5.48E-03
1306 490658.06, 3859590.74	0.06395	0.06421	9.72E-03	1.02E-02	9.16E-03	9.38E-03	8.84E-03	2.57E-03	2.58E-03	5.16E-03	2.51E-03	2.52E-03	5.03E-03	2.48E-03	2.49E-03	4.97E-03
1307 490708.06, 3859590.74	0.05828	0.05845	8.86E-03	9.25E-03	8.34E-03	8.55E-03	8.06E-03	2.35E-03	2.35E-03	4.70E-03	2.29E-03	2.30E-03	4.58E-03	2.26E-03	2.26E-03	4.52E-03
1308 490758.06, 3859590.74	0.05323	0.05333	8.09E-03	8.44E-03	7.62E-03	7.80E-03	7.36E-03	2.14E-03	2.15E-03	4.29E-03	2.09E-03	2.09E-03	4.18E-03	2.06E-03	2.07E-03	4.13E-03
1309 490808.06, 3859590.74	0.04921	0.04924	7.48E-03	7.80E-03	7.04E-03	7.22E-03	6.81E-03	1.98E-03	1.98E-03	3.96E-03	1.93E-03	1.93E-03	3.87E-03	1.91E-03	1.91E-03	3.81E-03
1310 490858.06, 3859590.74	0.04557	0.04555	6.92E-03	7.21E-03	6.52E-03	6.68E-03	6.30E-03	1.83E-03	1.83E-03	3.67E-03	1.79E-03	1.79E-03	3.58E-03	1.77E-03	1.76E-03	3.53E-03
1311 490458.06, 3859640.74	0.14363	0.14591	2.18E-02	2.31E-02	2.06E-02	2.11E-02	1.99E-02	5.78E-03	5.87E-03	1.17E-02	5.64E-03	5.73E-03	1.14E-02	5.57E-03	5.65E-03	1.12E-02
1312 490508.06, 3859640.74	0.12222	0.12405	1.86E-02	1.96E-02	1.75E-02	1.79E-02	1.69E-02	4.92E-03	4.99E-03	9.91E-03	4.80E-03	4.87E-03	9.67E-03	4.74E-03	4.81E-03	9.54E-03
1313 490558.06, 3859640.74	0.10601	0.10751	1.61E-02	1.70E-02	1.52E-02	1.55E-02	1.47E-02	4.27E-03	4.33E-03	8.59E-03	4.16E-03	4.22E-03	8.38E-03	4.11E-03	4.17E-03	8.27E-03
1314 490608.06, 3859640.74	0.09206	0.09332	1.40E-02	1.48E-02	1.32E-02	1.35E-02	1.27E-02	3.70E-03	3.76E-03	7.46E-03	3.62E-03	3.66E-03	7.28E-03	3.57E-03	3.62E-03	7.18E-03
1315 490658.06, 3859640.74	0.08082	0.08174	1.23E-02	1.29E-02	1.16E-02	1.19E-02	1.12E-02	3.25E-03	3.29E-03	6.54E-03	3.17E-03	3.21E-03	6.38E-03	3.13E-03	3.17E-03	6.30E-03
1316 490708.06, 3859640.74	0.07226	0.073	1.10E-02	1.16E-02	1.03E-02	1.06E-02	9.99E-03	2.91E-03	2.94E-03	5.85E-03	2.84E-03	2.87E-03	5.70E-03	2.80E-03	2.83E-03	5.63E-03

1317 490758.06, 3859640.74	0.06492	0.06549	9.86E-03	1.04E-02	9.29E-03	9.52E-03	8.98E-03	2.61E-03	2.64E-03	5.25E-03	2.55E-03	2.57E-03	5.12E-03	2.52E-03	2.54E-03	5.05E-03
1318 490808.06, 3859640.74	0.05936	0.05981	9.02E-03	9.47E-03	8.50E-03	8.70E-03	8.21E-03	2.39E-03	2.41E-03	4.80E-03	2.33E-03	2.35E-03	4.68E-03	2.30E-03	2.32E-03	4.62E-03
1319 490858.06, 3859640.74	0.05463	0.05497	8.30E-03	8.70E-03	7.82E-03	8.01E-03	7.56E-03	2.20E-03	2.21E-03	4.41E-03	2.15E-03	2.16E-03	4.30E-03	2.12E-03	2.13E-03	4.25E-03
1320 490608.06, 3859690.74	0.13038	0.13339	1.98E-02	2.11E-02	1.87E-02	1.91E-02	1.80E-02	5.25E-03	5.37E-03	1.06E-02	5.12E-03	5.24E-03	1.04E-02	5.05E-03	5.17E-03	1.02E-02
1321 490658.06, 3859690.74	0.10936	0.11177	1.66E-02	1.77E-02	1.57E-02	1.60E-02	1.51E-02	4.40E-03	4.50E-03	8.90E-03	4.29E-03	4.39E-03	8.68E-03	4.24E-03	4.33E-03	8.57E-03
1322 490708.06, 3859690.74	0.09459	0.09639	1.44E-02	1.53E-02	1.35E-02	1.39E-02	1.31E-02	3.81E-03	3.88E-03	7.69E-03	3.71E-03	3.79E-03	7.50E-03	3.67E-03	3.73E-03	7.40E-03
1323 490758.06, 3859690.74	0.08276	0.08418	1.26E-02	1.33E-02	1.18E-02	1.21E-02	1.14E-02	3.33E-03	3.39E-03	6.72E-03	3.25E-03	3.31E-03	6.56E-03	3.21E-03	3.26E-03	6.47E-03
1324 490808.06, 3859690.74	0.07382	0.07495	1.12E-02	1.19E-02	1.06E-02	1.08E-02	1.02E-02	2.97E-03	3.02E-03	5.99E-03	2.90E-03	2.94E-03	5.84E-03	2.86E-03	2.90E-03	5.76E-03
1325 490858.06, 3859690.74	0.06755	0.06847	1.03E-02	1.08E-02	9.67E-03	9.90E-03	9.34E-03	2.72E-03	2.76E-03	5.47E-03	2.65E-03	2.69E-03	5.34E-03	2.62E-03	2.65E-03	5.27E-03
1326 490708.06, 3859740.74	0.13654	0.14108	2.07E-02	2.23E-02	1.95E-02	2.00E-02	1.89E-02	5.49E-03	5.68E-03	1.12E-02	5.36E-03	5.54E-03	1.09E-02	5.29E-03	5.47E-03	1.08E-02
1327 490758.06, 3859740.74	0.11613	0.11944	1.76E-02	1.89E-02	1.66E-02	1.70E-02	1.61E-02	4.67E-03	4.81E-03	9.48E-03	4.56E-03	4.69E-03	9.25E-03	4.50E-03	4.63E-03	9.13E-03
1328 490808.06, 3859740.74	0.10027	0.10285	1.52E-02	1.63E-02	1.44E-02	1.47E-02	1.39E-02	4.04E-03	4.14E-03	8.17E-03	3.94E-03	4.04E-03	7.98E-03	3.89E-03	3.99E-03	7.87E-03
1329 490858.06, 3859740.74	0.08843	0.09047	1.34E-02	1.43E-02	1.27E-02	1.30E-02	1.22E-02	3.56E-03	3.64E-03	7.20E-03	3.47E-03	3.55E-03	7.03E-03	3.43E-03	3.51E-03	6.93E-03
1330 490786.56, 3859749.39	0.11367	0.11698	1.73E-02	1.85E-02	1.63E-02	1.67E-02	1.57E-02	4.57E-03	4.71E-03	9.28E-03	4.46E-03	4.59E-03	9.06E-03	4.40E-03	4.53E-03	8.94E-03
1331 490836.56, 3859749.39	0.09846	0.10105	1.50E-02	1.60E-02	1.41E-02	1.44E-02	1.36E-02	3.96E-03	4.07E-03	8.03E-03	3.87E-03	3.97E-03	7.83E-03	3.82E-03	3.92E-03	7.73E-03
1332 490786.56, 3859799.39	0.18058	0.18924	2.74E-02	3.00E-02	2.59E-02	2.65E-02	2.50E-02	7.27E-03	7.62E-03	1.49E-02	7.09E-03	7.43E-03	1.45E-02	7.00E-03	7.33E-03	1.43E-02
1333 490836.56, 3859799.39	0.14587	0.15255	2.22E-02	2.42E-02	2.09E-02	2.14E-02	2.02E-02	5.87E-03	6.14E-03	1.20E-02	5.73E-03	5.99E-03	1.17E-02	5.65E-03	5.91E-03	1.16E-02
1334 492307.84, 3854508.36	0.0044	0.00518	6.69E-04	8.20E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	2.08E-04	3.86E-04	1.73E-04	2.03E-04	3.76E-04	1.70E-04	2.01E-04	3.71E-04
1335 486445.7, 3854753.6	0.00663	0.01251	1.01E-03	1.98E-03	9.49E-04	9.72E-04	9.17E-04	2.67E-04	5.03E-04	7.70E-04	2.60E-04	4.91E-04	7.52E-04	2.57E-04	4.85E-04	7.42E-04
1336 472599.75, 3877830.11	0.0004	0.0004	6.08E-05	6.33E-05	5.73E-05	5.87E-05	5.53E-05	1.61E-05	1.61E-05	3.22E-05	1.57E-05	1.57E-05	3.14E-05	1.55E-05	1.55E-05	3.10E-05
1337 493107.48, 3866840.19	0.00087	0.00089	1.32E-04	1.41E-04	1.25E-04	1.28E-04	1.20E-04	3.50E-05	3.58E-05	7.08E-05	3.42E-05	3.50E-05	6.91E-05	3.37E-05	3.45E-05	6.82E-05
1338 495815.79, 3861662.87	0.03847	0.03856	5.85E-03	6.11E-03	5.51E-03	5.64E-03	5.32E-03	1.55E-03	1.55E-03	3.10E-03	1.51E-03	1.51E-03	3.02E-03	1.49E-03	1.49E-03	2.98E-03
1339 480272.33, 3841389.2	0.00072	0.00073	1.09E-04	1.16E-04	1.03E-04	1.06E-04	9.96E-05	2.90E-05	2.94E-05	5.84E-05	2.83E-05	2.87E-05	5.69E-05	2.79E-05	2.83E-05	5.62E-05
1340 497005.18, 3862813.64	0.01338	0.01346	2.03E-03	2.13E-03	1.92E-03	1.96E-03	1.85E-03	5.38E-04	5.42E-04	1.08E-03	5.25E-04	5.29E-04	1.05E-03	5.18E-04	5.22E-04	1.04E-03
1341 493677.33, 3860302.55	0.01477	0.01465	2.24E-03	2.32E-03	2.11E-03	2.17E-03	2.04E-03	5.94E-04	5.90E-04	1.18E-03	5.80E-04	5.75E-04	1.16E-03	5.72E-04	5.68E-04	1.14E-03
1342 493727.33, 3860302.55	0.01452	0.01439	2.21E-03	2.28E-03	2.08E-03	2.13E-03	2.01E-03	5.84E-04	5.79E-04	1.16E-03	5.70E-04	5.65E-04	1.14E-03	5.63E-04	5.58E-04	1.12E-03
1343 493777.33, 3860302.55	0.01425	0.01412	2.17E-03	2.24E-03	2.04E-03	2.09E-03	1.97E-03	5.73E-04	5.68E-04	1.14E-03	5.60E-04	5.54E-04	1.11E-03	5.52E-04	5.47E-04	1.10E-03
1344 493827.33, 3860302.55	0.01399	0.01386	2.13E-03	2.19E-03	2.00E-03	2.05E-03	1.93E-03	5.63E-04	5.58E-04	1.12E-03	5.49E-04	5.44E-04	1.09E-03	5.42E-04	5.37E-04	1.08E-03
1345 493877.33, 3860302.55	0.01379	0.01365	2.10E-03	2.16E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	5.49E-04	1.10E-03	5.42E-04	5.36E-04	1.08E-03	5.34E-04	5.29E-04	1.06E-03
1346 493927.33, 3860302.55	0.01362	0.01347	2.07E-03	2.13E-03	1.95E-03	2.00E-03	1.88E-03	5.48E-04	5.42E-04	1.09E-03	5.35E-04	5.29E-04	1.06E-03	5.28E-04	5.22E-04	1.05E-03
1347 493977.33, 3860302.55	0.01326	0.01312	2.01E-03	2.08E-03	1.90E-03	1.94E-03	1.83E-03	5.34E-04	5.28E-04	1.06E-03	5.21E-04	5.15E-04	1.04E-03	5.14E-04	5.08E-04	1.02E-03
1348 494027.33, 3860302.55	0.01301	0.01286	1.98E-03	2.04E-03	1.86E-03	1.91E-03	1.80E-03	5.24E-04	5.18E-04	1.04E-03	5.11E-04	5.05E-04	1.02E-03	5.04E-04	4.98E-04	1.00E-03
1349 493677.33, 3860352.55	0.01523	0.01511	2.31E-03	2.39E-03	2.18E-03	2.23E-03	2.11E-03	6.13E-04	6.08E-04	1.22E-03	5.98E-04	5.93E-04	1.19E-03	5.90E-04	5.85E-04	1.18E-03
1350 493727.33, 3860352.55	0.015	0.01488	2.28E-03	2.36E-03	2.15E-03	2.20E-03	2.07E-03	6.04E-04	5.99E-04	1.20E-03	5.89E-04	5.84E-04	1.17E-03	5.81E-04	5.77E-04	1.16E-03
1351 493777.33, 3860352.55	0.01477	0.01465	2.24E-03	2.32E-03	2.11E-03	2.17E-03	2.04E-03	5.94E-04	5.90E-04	1.18E-03	5.80E-04	5.75E-04	1.16E-03	5.72E-04	5.68E-04	1.14E-03
1352 493827.33, 3860352.55	0.01453	0.0144	2.21E-03	2.28E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	5.80E-04	1.16E-03	5.71E-04	5.65E-04	1.14E-03	5.63E-04	5.58E-04	1.12E-03
1353 493877.33, 3860352.55	0.01426	0.01413	2.17E-03	2.24E-03	2.04E-03	2.09E-03	1.97E-03	5.74E-04	5.69E-04	1.14E-03	5.60E-04	5.55E-04	1.11E-03	5.53E-04	5.48E-04	1.10E-03
1354 493927.33, 3860352.55	0.01395	0.01382	2.12E-03	2.19E-03	2.00E-03	2.05E-03	1.93E-03	5.61E-04	5.56E-04	1.12E-03	5.48E-04	5.43E-04	1.09E-03	5.41E-04	5.36E-04	1.08E-03
1355 493977.33, 3860352.55	0.01362	0.01349	2.07E-03	2.14E-03	1.95E-03	2.00E-03	1.88E-03	5.48E-04	5.43E-04	1.09E-03	5.35E-04	5.30E-04	1.06E-03	5.28E-04	5.23E-04	1.05E-03
1356 494027.33, 3860352.55	0.01342	0.01329	2.04E-03	2.10E-03	1.92E-03	1.97E-03	1.86E-03	5.40E-04	5.35E-04	1.07E-03	5.27E-04	5.22E-04	1.05E-03	5.20E-04	5.15E-04	1.03E-03
1357 493677.33, 3860402.55	0.01581	0.01571	2.40E-03	2.49E-03	2.26E-03	2.32E-03	2.19E-03	6.36E-04	6.32E-04	1.27E-03	6.21E-04	6.17E-04	1.24E-03	6.13E-04	6.09E-04	1.22E-03
1358 493727.33, 3860402.55	0.01556	0.01546	2.36E-03	2.45E-03	2.23E-03	2.28E-03	2.15E-03	6.26E-04	6.22E-04	1.25E-03	6.11E-04	6.07E-04	1.22E-03	6.03E-04	5.99E-04	1.20E-03
1359 493777.33, 3860402.55	0.01516	0.01506	2.30E-03	2.38E-03	2.17E-03	2.22E-03	2.10E-03	6.10E-04	6.06E-04	1.22E-03	5.95E-04	5.91E-04	1.19E-03	5.87E-04	5.84E-04	1.17E-03
1360 493827.33, 3860402.55	0.01499	0.01487	2.28E-03	2.35E-03	2.15E-03	2.20E-03	2.07E-03	6.03E-04	5.98E-04	1.20E-03	5.89E-04	5.84E-04	1.17E-03	5.81E-04	5.76E-04	1.16E-03
1361 493877.33, 3860402.55	0.01476	0.01464	2.24E-03	2.32E-03	2.11E-03	2.16E-03	2.04E-03	5.94E-04	5.89E-04	1.18E-03	5.80E-04	5.75E-04	1.15E-03	5.72E-04	5.67E-04	1.14E-03
1362 493927.33, 3860402.55	0.01439	0.01427	2.19E-03	2.26E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	5.74E-04	1.15E-03	5.65E-04	5.60E-04	1.13E-03	5.58E-04	5.53E-04	1.11E-03
1363 493977.33, 3860402.55	0.01403	0.0139	2.13E-03	2.20E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.59E-04	1.12E-03	5.51E-04	5.46E-04	1.10E-03	5.44E-04	5.39E-04	1.08E-03
1364 494027.33, 3860402.55	0.01385	0.01372	2.10E-03	2.17E-03	1.98E-03	2.03E-03	1.92E-03	5.57E-04	5.52E-04	1.11E-03	5.44E-04	5.39E-04	1.08E-03	5.37E-04	5.32E-04	1.07E-03
1365 493677.33, 3860452.55	0.01632	0.01623	2.48E-03	2.57E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	6.53E-04	1.31E-03	6.41E-04	6.37E-04	1.28E-03	6.32E-04	6.29E-04	1.26E-03
1366 493727.33, 3860452.55	0.01616	0.01607	2.46E-03	2.54E-03	2.31E-03	2.37E-03	2.24E-03	6.50E-04	6.47E-04	1.30E-03	6.35E-04	6.31E-04	1.27E-03	6.26E-04	6.23E-04	1.25E-03
1367 493777.33, 3860452.55	0.01588	0.01579	2.41E-03	2.50E-03	2.27E-03	2.33E-03	2.20E-03	6.39E-04	6.35E-04	1.27E-03	6.24E-04	6.20E-04	1.24E-03	6.15E-04	6.12E-04	1.23E-03
1368 493827.33, 3860452.55	0.01553	0.01542	2.36E-03	2.44E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	6.21E-04	1.25E-03	6.10E-04	6.06E-04	1.22E-03	6.02E-04	5.98E-04	1.20E-03
1369 493877.33, 3860452.55	0.01521	0.0151	2.31E-03	2.39E-03	2.18E-03	2.23E-03	2.10E-03	6.12E-04	6.08E-04	1.22E-03	5.97E-04	5.93E-04	1.19E-03	5.89E-04	5.85E-04	1.17E-03
1370 493927.33, 3860452.55	0.01479	0.01468	2.25E-03	2.32E-03	2.12E-03	2.17E-03	2.05E-03	5.95E-04	5.91E-04	1.19E-03	5.81E-04	5.76E-04	1.16E-03	5.73E-04	5.69E-04	1.14E-03
1371 493977.33, 3860452.55	0.01456	0.01444	2.21E-03	2.29E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	5.81E-04	1.17E-03	5.72E-04	5.67E-04	1.14E-03	5.64E-04	5.60E-04	1.12E-03
1372 494027.33, 3860452.55	0.01434	0.01422	2.18E-03	2.25E-03	2.05E-03	2.10E-03	1.98E-03	5.77E-04	5.72E-04	1.15E-03	5.63E-04	5.58E-04	1.12E-03	5.56E-04	5.51E-04	1.11E-03
1373 493677.33, 3860502.55	0.01691	0.01684	2.57E-03	2.67E-03	2.42E-03	2.48E-03	2.34E-03	6.81E-04	6.78E-04	1.36E-03	6.64E-04	6.61E-04	1.33E-03	6.55E-04	6.53E-04	1.31E-03
1374 493727.33, 3860502.55	0.01669	0.01661	2.54E-03	2.63E-03	2.39E-03	2.45E-03	2.31E-03	6.72E-04	6.68E-04	1.34E-03	6.55E-04	6.52E-04	1.31E-03	6.47E-04	6.44E-04	1.29E-03
1375 493777.33, 3860502.55	0.0164	0.01632	2.49E-03	2.58E-03	2.35E-03	2.40E-03	2.27E-03	6.60E-04	6.57E-04	1.32E-03	6.44E-04	6.41E-04	1.28E-03	6.35E-04	6.32E-04	1.27E-03
1376 493827.33, 3860502.55	0.01612	0.01602	2.45E-03	2.54E-03	2.31E-03	2.36E-03	2.23E-03	6.49E-04	6.45E-04	1.29E-03	6.33E-04	6.29E-04	1.26E-03	6.25E-04	6.21E-04	1.25E-03
1377 493877.33, 3860502.55	0.01575	0.01566	2.39E-03	2.48E-03	2.25E-03	2.31E-03	2.18E-03	6.34E-04	6.30E-04	1.26E-03	6.18E-04	6.15E-04	1.23E-03	6.10E-04	6.07E-04	1.22E-03
1378 493927.33, 3860502.55	0.01536	0.01526	2.33E-03	2.42E-03	2.20E-03	2.25E-03	2.12E-03	6.18E-04	6.14E-04	1.23E-03	6.03E-04	5.99E-04	1.20E-03	5.95E-04	5.91E-04	1.19E-03
1379 493977.33, 3860502.55	0.01514	0.01504	2.30E-03	2.38E-03	2.17E-03	2.22E-03	2.09E-03	6.09E-04	6.05E-04	1.21E-03	5.95E-04	5.91E-04	1.19E-03	5.87E-04	5.83E-04	1.17E-03
1380 494027.33, 3860502.55	0.01489	0.01478	2.26E-03	2.34E-03	2.13E-03	2.18E-03	2.06E-03	5.99E-04	5.95E-04	1.19E-03	5.85E-04	5.80E-04	1.17E-03	5.77E-04	5.73E-04	1.15E-03
1381 493627.33, 3860552.55	0.0179	0.01783	2.72E-03	2.82E-03	2.56E-03	2.62E-03	2.48E-03	7.20E-04	7.18E-04	1.44E-03	7.03E-04	7.00E-04	1.40E-03	6.94E-04	6.91E-04	1.38E-03
1382 493677.33, 3860552.55	0.01765	0.01758	2.68E-03	2.78E-03	2.53E-03	2.59E-03	2.44E-03	7.10E-04	7.07E-04	1.42E-03	6.93E-04	6.90E-04	1.38E-03	6.84E-04	6.81E-04	1.37E-03

1383 493727.33, 3860552.55	0.01738	0.0173	2.64E-03	2.74E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	6.96E-04	1.40E-03	6.83E-04	6.79E-04	1.36E-03	6.73E-04	6.70E-04	1.34E-03
1384 493777.33, 3860552.55	0.01704	0.01696	2.59E-03	2.69E-03	2.44E-03	2.50E-03	2.36E-03	6.86E-04	6.83E-04	1.37E-03	6.69E-04	6.66E-04	1.34E-03	6.60E-04	6.57E-04	1.32E-03
1385 493827.33, 3860552.55	0.01665	0.01657	2.53E-03	2.62E-03	2.38E-03	2.44E-03	2.30E-03	6.70E-04	6.67E-04	1.34E-03	6.54E-04	6.51E-04	1.30E-03	6.45E-04	6.42E-04	1.29E-03
1386 493877.33, 3860552.55	0.01639	0.01631	2.49E-03	2.58E-03	2.35E-03	2.40E-03	2.27E-03	6.60E-04	6.56E-04	1.32E-03	6.44E-04	6.40E-04	1.28E-03	6.35E-04	6.32E-04	1.27E-03
1387 493927.33, 3860552.55	0.01604	0.01596	2.44E-03	2.53E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	6.42E-04	1.29E-03	6.30E-04	6.27E-04	1.26E-03	6.22E-04	6.18E-04	1.24E-03
1388 493977.33, 3860552.55	0.01568	0.01559	2.38E-03	2.47E-03	2.24E-03	2.30E-03	2.17E-03	6.31E-04	6.27E-04	1.26E-03	6.16E-04	6.12E-04	1.23E-03	6.08E-04	6.04E-04	1.21E-03
1389 494027.33, 3860552.55	0.01546	0.01536	2.35E-03	2.43E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.18E-04	1.24E-03	6.07E-04	6.03E-04	1.21E-03	5.99E-04	5.95E-04	1.19E-03
1390 493627.33, 3860602.55	0.01862	0.01857	2.83E-03	2.94E-03	2.67E-03	2.73E-03	2.58E-03	7.49E-04	7.47E-04	1.50E-03	7.31E-04	7.29E-04	1.46E-03	7.21E-04	7.20E-04	1.44E-03
1391 493727.33, 3860602.55	0.01814	0.01807	2.76E-03	2.86E-03	2.60E-03	2.66E-03	2.51E-03	7.30E-04	7.27E-04	1.46E-03	7.12E-04	7.10E-04	1.42E-03	7.03E-04	7.00E-04	1.40E-03
1392 493777.33, 3860602.55	0.01769	0.01762	2.69E-03	2.79E-03	2.53E-03	2.59E-03	2.45E-03	7.12E-04	7.09E-04	1.42E-03	6.95E-04	6.92E-04	1.39E-03	6.85E-04	6.83E-04	1.37E-03
1393 493827.33, 3860602.55	0.01736	0.01729	2.64E-03	2.74E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	6.96E-04	1.39E-03	6.82E-04	6.79E-04	1.36E-03	6.73E-04	6.70E-04	1.34E-03
1394 493877.33, 3860602.55	0.01696	0.01689	2.58E-03	2.67E-03	2.43E-03	2.49E-03	2.35E-03	6.83E-04	6.80E-04	1.36E-03	6.66E-04	6.63E-04	1.33E-03	6.57E-04	6.54E-04	1.31E-03
1395 493927.33, 3860602.55	0.01663	0.01655	2.53E-03	2.62E-03	2.38E-03	2.44E-03	2.30E-03	6.69E-04	6.66E-04	1.34E-03	6.53E-04	6.50E-04	1.30E-03	6.44E-04	6.41E-04	1.29E-03
1396 493977.33, 3860602.55	0.0163	0.01621	2.48E-03	2.57E-03	2.33E-03	2.39E-03	2.25E-03	6.56E-04	6.52E-04	1.31E-03	6.40E-04	6.37E-04	1.28E-03	6.32E-04	6.28E-04	1.26E-03
1397 494027.33, 3860602.55	0.01609	0.016	2.44E-03	2.53E-03	2.30E-03	2.36E-03	2.23E-03	6.48E-04	6.44E-04	1.29E-03	6.32E-04	6.28E-04	1.26E-03	6.23E-04	6.20E-04	1.24E-03
1398 493627.33, 3860652.55	0.01946	0.01942	2.96E-03	3.07E-03	2.79E-03	2.85E-03	2.69E-03	7.83E-04	7.82E-04	1.56E-03	7.64E-04	7.63E-04	1.53E-03	7.54E-04	7.52E-04	1.51E-03
1399 493727.33, 3860652.55	0.0189	0.01884	2.87E-03	2.98E-03	2.71E-03	2.77E-03	2.61E-03	7.61E-04	7.58E-04	1.52E-03	7.42E-04	7.40E-04	1.48E-03	7.32E-04	7.30E-04	1.46E-03
1400 493777.33, 3860652.55	0.01847	0.01841	2.81E-03	2.91E-03	2.64E-03	2.71E-03	2.55E-03	7.43E-04	7.41E-04	1.48E-03	7.25E-04	7.23E-04	1.45E-03	7.16E-04	7.13E-04	1.43E-03
1401 493827.33, 3860652.55	0.01806	0.018	2.74E-03	2.85E-03	2.59E-03	2.65E-03	2.50E-03	7.27E-04	7.24E-04	1.45E-03	7.09E-04	7.07E-04	1.42E-03	7.00E-04	6.97E-04	1.40E-03
1402 493877.33, 3860652.55	0.01763	0.01757	2.68E-03	2.78E-03	2.52E-03	2.59E-03	2.44E-03	7.09E-04	7.07E-04	1.42E-03	6.92E-04	6.90E-04	1.38E-03	6.83E-04	6.81E-04	1.36E-03
1403 493927.33, 3860652.55	0.0173	0.01723	2.63E-03	2.73E-03	2.48E-03	2.54E-03	2.39E-03	6.96E-04	6.93E-04	1.39E-03	6.79E-04	6.77E-04	1.36E-03	6.70E-04	6.68E-04	1.34E-03
1404 493977.33, 3860652.55	0.017	0.01693	2.58E-03	2.68E-03	2.43E-03	2.49E-03	2.35E-03	6.84E-04	6.81E-04	1.37E-03	6.68E-04	6.65E-04	1.33E-03	6.59E-04	6.56E-04	1.31E-03
1405 494027.33, 3860652.55	0.01664	0.01656	2.53E-03	2.62E-03	2.38E-03	2.44E-03	2.30E-03	6.70E-04	6.66E-04	1.34E-03	6.53E-04	6.50E-04	1.30E-03	6.45E-04	6.42E-04	1.29E-03
1406 494311.06, 3858401.99	0.00464	0.00459	7.05E-04	7.27E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.85E-04	3.71E-04	1.82E-04	1.80E-04	3.62E-04	1.80E-04	1.78E-04	3.58E-04
1407 494361.06, 3858401.99	0.0046	0.00455	6.99E-04	7.20E-04	6.59E-04	6.74E-04	6.36E-04	1.85E-04	1.83E-04	3.68E-04	1.81E-04	1.79E-04	3.59E-04	1.78E-04	1.76E-04	3.55E-04
1408 494411.06, 3858401.99	0.00456	0.00452	6.93E-04	7.16E-04	6.53E-04	6.69E-04	6.31E-04	1.84E-04	1.82E-04	3.65E-04	1.79E-04	1.77E-04	3.57E-04	1.77E-04	1.75E-04	3.52E-04
1409 494461.06, 3858401.99	0.00454	0.0045	6.90E-04	7.12E-04	6.50E-04	6.66E-04	6.28E-04	1.83E-04	1.81E-04	3.64E-04	1.78E-04	1.77E-04	3.55E-04	1.76E-04	1.74E-04	3.50E-04
1410 494511.06, 3858401.99	0.00451	0.00446	6.85E-04	7.06E-04	6.46E-04	6.61E-04	6.24E-04	1.81E-04	1.79E-04	3.61E-04	1.77E-04	1.75E-04	3.52E-04	1.75E-04	1.73E-04	3.48E-04
1411 494561.06, 3858401.99	0.00449	0.00444	6.82E-04	7.03E-04	6.43E-04	6.58E-04	6.21E-04	1.81E-04	1.79E-04	3.59E-04	1.76E-04	1.74E-04	3.51E-04	1.74E-04	1.72E-04	3.46E-04
1412 494611.06, 3858401.99	0.00445	0.00441	6.76E-04	6.98E-04	6.37E-04	6.52E-04	6.15E-04	1.79E-04	1.77E-04	3.57E-04	1.75E-04	1.73E-04	3.48E-04	1.72E-04	1.71E-04	3.43E-04
1413 494661.06, 3858401.99	0.00442	0.00438	6.72E-04	6.93E-04	6.33E-04	6.48E-04	6.11E-04	1.78E-04	1.76E-04	3.54E-04	1.74E-04	1.72E-04	3.46E-04	1.71E-04	1.70E-04	3.41E-04
1414 494711.06, 3858401.99	0.00438	0.00434	6.66E-04	6.87E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.75E-04	3.51E-04	1.72E-04	1.70E-04	3.42E-04	1.70E-04	1.68E-04	3.38E-04
1415 494761.06, 3858401.99	0.00436	0.00432	6.63E-04	6.84E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.74E-04	3.49E-04	1.71E-04	1.70E-04	3.41E-04	1.69E-04	1.67E-04	3.36E-04
1416 494811.06, 3858401.99	0.00433	0.00428	6.58E-04	6.78E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.72E-04	3.46E-04	1.70E-04	1.68E-04	3.38E-04	1.68E-04	1.66E-04	3.34E-04
1417 494861.06, 3858401.99	0.0043	0.00426	6.53E-04	6.74E-04	6.16E-04	6.30E-04	5.95E-04	1.73E-04	1.71E-04	3.44E-04	1.69E-04	1.67E-04	3.36E-04	1.67E-04	1.65E-04	3.32E-04
1418 494911.06, 3858401.99	0.00427	0.00423	6.49E-04	6.70E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.70E-04	3.42E-04	1.68E-04	1.66E-04	3.34E-04	1.65E-04	1.64E-04	3.29E-04
1419 494961.06, 3858401.99	0.00424	0.0042	6.44E-04	6.65E-04	6.07E-04	6.22E-04	5.86E-04	1.71E-04	1.69E-04	3.40E-04	1.67E-04	1.65E-04	3.31E-04	1.64E-04	1.63E-04	3.27E-04
1420 495011.06, 3858401.99	0.00421	0.00416	6.40E-04	6.59E-04	6.03E-04	6.17E-04	5.82E-04	1.69E-04	1.67E-04	3.37E-04	1.65E-04	1.63E-04	3.29E-04	1.63E-04	1.61E-04	3.24E-04
1421 495061.06, 3858401.99	0.00418	0.00413	6.35E-04	6.54E-04	5.98E-04	6.13E-04	5.78E-04	1.68E-04	1.66E-04	3.34E-04	1.64E-04	1.62E-04	3.26E-04	1.62E-04	1.60E-04	3.22E-04
1422 495111.06, 3858401.99	0.00413	0.00408	6.28E-04	6.46E-04	5.91E-04	6.06E-04	5.71E-04	1.66E-04	1.64E-04	3.30E-04	1.62E-04	1.60E-04	3.22E-04	1.60E-04	1.58E-04	3.18E-04
1423 495161.06, 3858401.99	0.00411	0.00407	6.25E-04	6.44E-04	5.88E-04	6.03E-04	5.68E-04	1.65E-04	1.64E-04	3.29E-04	1.61E-04	1.60E-04	3.21E-04	1.59E-04	1.58E-04	3.17E-04
1424 495211.06, 3858401.99	0.00407	0.00402	6.18E-04	6.36E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.62E-04	3.26E-04	1.60E-04	1.58E-04	3.18E-04	1.58E-04	1.56E-04	3.13E-04
1425 495261.06, 3858401.99	0.00404	0.004	6.14E-04	6.33E-04	5.78E-04	5.92E-04	5.59E-04	1.63E-04	1.61E-04	3.24E-04	1.59E-04	1.57E-04	3.16E-04	1.57E-04	1.55E-04	3.12E-04
1426 495311.06, 3858401.99	0.00402	0.00397	6.11E-04	6.29E-04	5.76E-04	5.89E-04	5.56E-04	1.62E-04	1.60E-04	3.22E-04	1.58E-04	1.56E-04	3.14E-04	1.56E-04	1.54E-04	3.10E-04
1427 495361.06, 3858401.99	0.004	0.00395	6.08E-04	6.25E-04	5.73E-04	5.87E-04	5.53E-04	1.61E-04	1.59E-04	3.20E-04	1.57E-04	1.55E-04	3.12E-04	1.55E-04	1.53E-04	3.08E-04
1428 495411.06, 3858401.99	0.00398	0.00394	6.05E-04	6.24E-04	5.70E-04	5.84E-04	5.50E-04	1.60E-04	1.59E-04	3.19E-04	1.56E-04	1.55E-04	3.11E-04	1.54E-04	1.53E-04	3.07E-04
1429 495461.06, 3858401.99	0.00397	0.00393	6.03E-04	6.22E-04	5.68E-04	5.82E-04	5.49E-04	1.60E-04	1.58E-04	3.18E-04	1.56E-04	1.54E-04	3.10E-04	1.54E-04	1.52E-04	3.06E-04
1430 495511.06, 3858401.99	0.00396	0.00391	6.02E-04	6.19E-04	5.67E-04	5.81E-04	5.48E-04	1.59E-04	1.57E-04	3.17E-04	1.56E-04	1.54E-04	3.09E-04	1.53E-04	1.52E-04	3.05E-04
1431 495561.06, 3858401.99	0.00393	0.00389	5.97E-04	6.16E-04	5.63E-04	5.76E-04	5.44E-04	1.58E-04	1.57E-04	3.15E-04	1.54E-04	1.53E-04	3.07E-04	1.52E-04	1.51E-04	3.03E-04
1432 495611.06, 3858401.99	0.00392	0.00387	5.96E-04	6.13E-04	5.61E-04	5.75E-04	5.42E-04	1.58E-04	1.56E-04	3.13E-04	1.54E-04	1.52E-04	3.06E-04	1.52E-04	1.50E-04	3.02E-04
1433 495661.06, 3858401.99	0.00393	0.00388	5.97E-04	6.14E-04	5.63E-04	5.76E-04	5.44E-04	1.58E-04	1.56E-04	3.14E-04	1.54E-04	1.52E-04	3.07E-04	1.52E-04	1.50E-04	3.03E-04
1434 494311.06, 3858451.99	0.00475	0.00471	7.22E-04	7.46E-04	6.80E-04	6.96E-04	6.57E-04	1.91E-04	1.90E-04	3.81E-04	1.87E-04	1.85E-04	3.71E-04	1.84E-04	1.83E-04	3.67E-04
1435 494361.06, 3858451.99	0.00471	0.00467	7.16E-04	7.39E-04	6.74E-04	6.91E-04	6.51E-04	1.90E-04	1.88E-04	3.77E-04	1.85E-04	1.83E-04	3.68E-04	1.83E-04	1.81E-04	3.63E-04
1436 494411.06, 3858451.99	0.00468	0.00463	7.11E-04	7.33E-04	6.70E-04	6.86E-04	6.47E-04	1.88E-04	1.86E-04	3.75E-04	1.84E-04	1.82E-04	3.66E-04	1.81E-04	1.79E-04	3.61E-04
1437 494461.06, 3858451.99	0.00464	0.0046	7.05E-04	7.28E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.85E-04	3.72E-04	1.82E-04	1.81E-04	3.63E-04	1.80E-04	1.78E-04	3.58E-04
1438 494511.06, 3858451.99	0.00462	0.00458	7.02E-04	7.25E-04	6.61E-04	6.77E-04	6.39E-04	1.86E-04	1.84E-04	3.70E-04	1.81E-04	1.80E-04	3.61E-04	1.79E-04	1.77E-04	3.56E-04
1439 494561.06, 3858451.99	0.00458	0.00454	6.96E-04	7.19E-04	6.56E-04	6.72E-04	6.33E-04	1.84E-04	1.83E-04	3.67E-04	1.80E-04	1.78E-04	3.58E-04	1.77E-04	1.76E-04	3.53E-04
1440 494611.06, 3858451.99	0.00455	0.00451	6.91E-04	7.14E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.81E-04	3.65E-04	1.79E-04	1.77E-04	3.56E-04	1.76E-04	1.75E-04	3.51E-04
1441 494661.06, 3858451.99	0.00452	0.00448	6.87E-04	7.09E-04	6.47E-04	6.63E-04	6.25E-04	1.82E-04	1.80E-04	3.62E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.74E-04	3.49E-04
1442 494711.06, 3858451.99	0.00448	0.00445	6.81E-04	7.05E-04	6.41E-04	6.57E-04	6.20E-04	1.80E-04	1.79E-04	3.59E-04	1.76E-04	1.75E-04	3.51E-04	1.74E-04	1.72E-04	3.46E-04
1443 494761.06, 3858451.99	0.00445	0.00441	6.76E-04	6.98E-04	6.37E-04	6.52E-04	6.15E-04	1.79E-04	1.77E-04	3.57E-04	1.75E-04	1.73E-04	3.48E-04	1.72E-04	1.71E-04	3.43E-04
1444 494811.06, 3858451.99	0.00442	0.00438	6.72E-04	6.93E-04	6.33E-04	6.48E-04	6.11E-04	1.78E-04	1.76E-04	3.54E-04	1.74E-04	1.72E-04	3.46E-04	1.71E-04	1.70E-04	3.41E-04
1445 494861.06, 3858451.99	0.00438	0.00434	6.66E-04	6.87E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.75E-04	3.51E-04	1.72E-04	1.70E-04	3.42E-04	1.70E-04	1.68E-04	3.38E-04
1446 494911.06, 3858451.99	0.00434	0.0043	6.59E-04	6.81E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.73E-04	3.48E-04	1.70E-04	1.69E-04	3.39E-04	1.68E-04	1.67E-04	3.35E-04
1447 494961.06, 3858451.99	0.00431	0.00427	6.55E-04	6.76E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.72E-04	3.45E-04	1.69E-04	1.68E-04	3.37E-04	1.67E-04	1.65E-04	3.32E-04
1448 495011.06, 3858451.99	0.00427	0.00423	6.49E-04	6.70E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.70E-04	3.42E-04	1.68E-04	1.66E-04	3.34E-04	1.65E-04	1.64E-04	3.29E-04

1449	495061.06, 3858451.99	0.00425	0.00421	6.46E-04	6.67E-04	6.08E-04	6.23E-04	5.88E-04	1.71E-04	1.69E-04	3.40E-04	1.67E-04	1.65E-04	3.32E-04	1.65E-04	1.63E-04	3.28E-04
1450	495111.06, 3858451.99	0.00421	0.00417	6.40E-04	6.60E-04	6.03E-04	6.17E-04	5.82E-04	1.69E-04	1.68E-04	3.37E-04	1.65E-04	1.64E-04	3.29E-04	1.63E-04	1.62E-04	3.25E-04
1451	495161.06, 3858451.99	0.00417	0.00413	6.34E-04	6.54E-04	5.97E-04	6.11E-04	5.77E-04	1.68E-04	1.66E-04	3.34E-04	1.64E-04	1.62E-04	3.26E-04	1.62E-04	1.60E-04	3.22E-04
1452	495211.06, 3858451.99	0.00414	0.00409	6.29E-04	6.48E-04	5.93E-04	6.07E-04	5.73E-04	1.67E-04	1.65E-04	3.31E-04	1.63E-04	1.61E-04	3.23E-04	1.60E-04	1.58E-04	3.19E-04
1453	495261.06, 3858451.99	0.00411	0.00406	6.25E-04	6.43E-04	5.88E-04	6.03E-04	5.68E-04	1.65E-04	1.63E-04	3.29E-04	1.61E-04	1.59E-04	3.21E-04	1.59E-04	1.57E-04	3.17E-04
1454	495311.06, 3858451.99	0.00408	0.00404	6.20E-04	6.40E-04	5.84E-04	5.98E-04	5.64E-04	1.64E-04	1.63E-04	3.27E-04	1.60E-04	1.59E-04	3.19E-04	1.58E-04	1.57E-04	3.15E-04
1455	495361.06, 3858451.99	0.00406	0.00402	6.17E-04	6.36E-04	5.81E-04	5.95E-04	5.62E-04	1.63E-04	1.62E-04	3.25E-04	1.59E-04	1.58E-04	3.17E-04	1.57E-04	1.56E-04	3.13E-04
1456	495411.06, 3858451.99	0.00405	0.00401	6.15E-04	6.35E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.61E-04	3.24E-04	1.59E-04	1.57E-04	3.17E-04	1.57E-04	1.55E-04	3.12E-04
1457	495461.06, 3858451.99	0.00404	0.004	6.14E-04	6.33E-04	5.78E-04	5.92E-04	5.59E-04	1.63E-04	1.61E-04	3.24E-04	1.59E-04	1.57E-04	3.16E-04	1.57E-04	1.55E-04	3.12E-04
1458	495511.06, 3858451.99	0.00402	0.00398	6.11E-04	6.30E-04	5.76E-04	5.89E-04	5.56E-04	1.62E-04	1.60E-04	3.22E-04	1.58E-04	1.56E-04	3.14E-04	1.56E-04	1.54E-04	3.10E-04
1459	495561.06, 3858451.99	0.00401	0.00397	6.09E-04	6.29E-04	5.74E-04	5.88E-04	5.55E-04	1.61E-04	1.60E-04	3.21E-04	1.57E-04	1.56E-04	3.13E-04	1.55E-04	1.54E-04	3.09E-04
1460	495611.06, 3858451.99	0.00399	0.00395	6.06E-04	6.25E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.59E-04	3.20E-04	1.57E-04	1.55E-04	3.12E-04	1.55E-04	1.53E-04	3.08E-04
1461	495661.06, 3858451.99	0.00398	0.00394	6.05E-04	6.24E-04	5.70E-04	5.84E-04	5.50E-04	1.60E-04	1.59E-04	3.19E-04	1.56E-04	1.55E-04	3.11E-04	1.54E-04	1.53E-04	3.07E-04
1462	494311.06, 3858501.99	0.00484	0.00479	7.35E-04	7.58E-04	6.93E-04	7.10E-04	6.69E-04	1.95E-04	1.93E-04	3.88E-04	1.90E-04	1.88E-04	3.78E-04	1.88E-04	1.86E-04	3.73E-04
1463	494361.06, 3858501.99	0.00481	0.00476	7.31E-04	7.54E-04	6.89E-04	7.05E-04	6.65E-04	1.94E-04	1.92E-04	3.85E-04	1.89E-04	1.87E-04	3.76E-04	1.86E-04	1.84E-04	3.71E-04
1464	494411.06, 3858501.99	0.00477	0.00472	7.25E-04	7.47E-04	6.83E-04	6.99E-04	6.60E-04	1.92E-04	1.90E-04	3.82E-04	1.87E-04	1.85E-04	3.73E-04	1.85E-04	1.83E-04	3.68E-04
1465	494461.06, 3858501.99	0.00474	0.0047	7.20E-04	7.44E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.89E-04	3.80E-04	1.86E-04	1.85E-04	3.71E-04	1.84E-04	1.82E-04	3.66E-04
1466	494511.06, 3858501.99	0.0047	0.00465	7.14E-04	7.36E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.87E-04	3.76E-04	1.85E-04	1.83E-04	3.67E-04	1.82E-04	1.80E-04	3.62E-04
1467	494561.06, 3858501.99	0.00469	0.00465	7.13E-04	7.36E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	1.87E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.80E-04	3.62E-04
1468	494611.06, 3858501.99	0.00465	0.00461	7.07E-04	7.30E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.86E-04	3.73E-04	1.83E-04	1.81E-04	3.64E-04	1.80E-04	1.79E-04	3.59E-04
1469	494661.06, 3858501.99	0.00462	0.00458	7.02E-04	7.25E-04	6.61E-04	6.77E-04	6.39E-04	1.86E-04	1.84E-04	3.70E-04	1.81E-04	1.80E-04	3.61E-04	1.79E-04	1.77E-04	3.56E-04
1470	494711.06, 3858501.99	0.00458	0.00454	6.96E-04	7.19E-04	6.56E-04	6.72E-04	6.33E-04	1.84E-04	1.83E-04	3.67E-04	1.80E-04	1.78E-04	3.58E-04	1.77E-04	1.76E-04	3.53E-04
1471	494761.06, 3858501.99	0.00454	0.0045	6.90E-04	7.12E-04	6.50E-04	6.66E-04	6.28E-04	1.83E-04	1.81E-04	3.64E-04	1.78E-04	1.77E-04	3.55E-04	1.76E-04	1.74E-04	3.50E-04
1472	494811.06, 3858501.99	0.0045	0.00446	6.84E-04	7.06E-04	6.44E-04	6.60E-04	6.22E-04	1.81E-04	1.79E-04	3.61E-04	1.77E-04	1.75E-04	3.52E-04	1.74E-04	1.73E-04	3.47E-04
1473	494861.06, 3858501.99	0.00447	0.00443	6.79E-04	7.01E-04	6.40E-04	6.55E-04	6.18E-04	1.80E-04	1.78E-04	3.58E-04	1.76E-04	1.74E-04	3.50E-04	1.73E-04	1.72E-04	3.45E-04
1474	494911.06, 3858501.99	0.00442	0.00438	6.72E-04	6.93E-04	6.33E-04	6.48E-04	6.11E-04	1.78E-04	1.76E-04	3.54E-04	1.74E-04	1.72E-04	3.46E-04	1.71E-04	1.70E-04	3.41E-04
1475	494961.06, 3858501.99	0.00439	0.00435	6.67E-04	6.89E-04	6.28E-04	6.44E-04	6.07E-04	1.77E-04	1.75E-04	3.52E-04	1.72E-04	1.71E-04	3.43E-04	1.70E-04	1.69E-04	3.39E-04
1476	495011.06, 3858501.99	0.00435	0.00431	6.61E-04	6.82E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.73E-04	3.49E-04	1.71E-04	1.69E-04	3.40E-04	1.69E-04	1.67E-04	3.36E-04
1477	495061.06, 3858501.99	0.00432	0.00428	6.56E-04	6.78E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	1.72E-04	3.46E-04	1.70E-04	1.68E-04	3.38E-04	1.67E-04	1.66E-04	3.33E-04
1478	495111.06, 3858501.99	0.00427	0.00423	6.49E-04	6.70E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.70E-04	3.42E-04	1.68E-04	1.66E-04	3.34E-04	1.65E-04	1.64E-04	3.29E-04
1479	495161.06, 3858501.99	0.00424	0.00419	6.44E-04	6.63E-04	6.07E-04	6.22E-04	5.86E-04	1.71E-04	1.69E-04	3.39E-04	1.67E-04	1.65E-04	3.31E-04	1.64E-04	1.62E-04	3.27E-04
1480	495211.06, 3858501.99	0.0042	0.00416	6.38E-04	6.59E-04	6.01E-04	6.16E-04	5.81E-04	1.69E-04	1.67E-04	3.36E-04	1.65E-04	1.63E-04	3.28E-04	1.63E-04	1.61E-04	3.24E-04
1481	495261.06, 3858501.99	0.00418	0.00413	6.35E-04	6.54E-04	5.98E-04	6.13E-04	5.78E-04	1.68E-04	1.66E-04	3.34E-04	1.64E-04	1.62E-04	3.26E-04	1.62E-04	1.60E-04	3.22E-04
1482	495311.06, 3858501.99	0.00416	0.00411	6.32E-04	6.51E-04	5.96E-04	6.10E-04	5.75E-04	1.67E-04	1.65E-04	3.33E-04	1.63E-04	1.61E-04	3.25E-04	1.61E-04	1.59E-04	3.20E-04
1483	495361.06, 3858501.99	0.00414	0.00409	6.29E-04	6.48E-04	5.93E-04	6.07E-04	5.73E-04	1.67E-04	1.65E-04	3.31E-04	1.63E-04	1.61E-04	3.23E-04	1.60E-04	1.58E-04	3.19E-04
1484	495411.06, 3858501.99	0.00412	0.00408	6.26E-04	6.46E-04	5.90E-04	6.04E-04	5.70E-04	1.66E-04	1.64E-04	3.30E-04	1.62E-04	1.60E-04	3.22E-04	1.60E-04	1.58E-04	3.18E-04
1485	495461.06, 3858501.99	0.00411	0.00407	6.25E-04	6.44E-04	5.88E-04	6.03E-04	5.68E-04	1.65E-04	1.64E-04	3.29E-04	1.61E-04	1.60E-04	3.21E-04	1.59E-04	1.58E-04	3.17E-04
1486	495511.06, 3858501.99	0.00409	0.00405	6.21E-04	6.41E-04	5.86E-04	6.00E-04	5.66E-04	1.65E-04	1.63E-04	3.28E-04	1.61E-04	1.59E-04	3.20E-04	1.58E-04	1.57E-04	3.15E-04
1487	495561.06, 3858501.99	0.00409	0.00405	6.21E-04	6.41E-04	5.86E-04	6.00E-04	5.66E-04	1.65E-04	1.63E-04	3.28E-04	1.61E-04	1.59E-04	3.20E-04	1.58E-04	1.57E-04	3.15E-04
1488	495611.06, 3858501.99	0.00406	0.00402	6.17E-04	6.36E-04	5.81E-04	5.95E-04	5.62E-04	1.63E-04	1.62E-04	3.25E-04	1.59E-04	1.58E-04	3.17E-04	1.57E-04	1.56E-04	3.13E-04
1489	495661.06, 3858501.99	0.00405	0.00402	6.15E-04	6.36E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.62E-04	3.25E-04	1.59E-04	1.58E-04	3.17E-04	1.57E-04	1.56E-04	3.13E-04
1490	494311.06, 3858551.99	0.00487	0.00482	7.40E-04	7.63E-04	6.97E-04	7.14E-04	6.74E-04	1.96E-04	1.94E-04	3.90E-04	1.91E-04	1.89E-04	3.81E-04	1.89E-04	1.87E-04	3.75E-04
1491	494361.06, 3858551.99	0.00487	0.00482	7.40E-04	7.63E-04	6.97E-04	7.14E-04	6.74E-04	1.96E-04	1.94E-04	3.90E-04	1.91E-04	1.89E-04	3.81E-04	1.89E-04	1.87E-04	3.75E-04
1492	494411.06, 3858551.99	0.00488	0.00483	7.42E-04	7.65E-04	6.99E-04	7.16E-04	6.75E-04	1.96E-04	1.94E-04	3.91E-04	1.92E-04	1.90E-04	3.81E-04	1.89E-04	1.87E-04	3.76E-04
1493	494461.06, 3858551.99	0.00486	0.00481	7.38E-04	7.62E-04	6.96E-04	7.13E-04	6.72E-04	1.96E-04	1.94E-04	3.89E-04	1.91E-04	1.89E-04	3.80E-04	1.88E-04	1.86E-04	3.75E-04
1494	494511.06, 3858551.99	0.00483	0.00478	7.34E-04	7.57E-04	6.91E-04	7.08E-04	6.68E-04	1.94E-04	1.92E-04	3.87E-04	1.90E-04	1.88E-04	3.77E-04	1.87E-04	1.85E-04	3.72E-04
1495	494561.06, 3858551.99	0.0048	0.00476	7.29E-04	7.54E-04	6.87E-04	7.04E-04	6.64E-04	1.93E-04	1.92E-04	3.85E-04	1.88E-04	1.87E-04	3.75E-04	1.86E-04	1.84E-04	3.70E-04
1496	494611.06, 3858551.99	0.00477	0.00473	7.25E-04	7.49E-04	6.83E-04	6.99E-04	6.60E-04	1.92E-04	1.90E-04	3.82E-04	1.87E-04	1.86E-04	3.73E-04	1.85E-04	1.83E-04	3.68E-04
1497	494661.06, 3858551.99	0.00474	0.0047	7.20E-04	7.44E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.89E-04	3.80E-04	1.86E-04	1.85E-04	3.71E-04	1.84E-04	1.82E-04	3.66E-04
1498	494711.06, 3858551.99	0.00469	0.00465	7.13E-04	7.36E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	1.87E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.80E-04	3.62E-04
1499	494761.06, 3858551.99	0.00464	0.0046	7.05E-04	7.28E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.85E-04	3.72E-04	1.82E-04	1.81E-04	3.63E-04	1.80E-04	1.78E-04	3.58E-04
1500	494811.06, 3858551.99	0.0046	0.00457	6.99E-04	7.24E-04	6.59E-04	6.74E-04	6.36E-04	1.85E-04	1.84E-04	3.69E-04	1.81E-04	1.79E-04	3.60E-04	1.78E-04	1.77E-04	3.55E-04
1501	494861.06, 3858551.99	0.00456	0.00452	6.93E-04	7.16E-04	6.53E-04	6.69E-04	6.31E-04	1.84E-04	1.82E-04	3.65E-04	1.79E-04	1.77E-04	3.57E-04	1.77E-04	1.75E-04	3.52E-04
1502	494911.06, 3858551.99	0.00451	0.00448	6.85E-04	7.09E-04	6.46E-04	6.61E-04	6.24E-04	1.81E-04	1.80E-04	3.62E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.74E-04	3.48E-04
1503	494961.06, 3858551.99	0.00447	0.00444	6.79E-04	7.03E-04	6.40E-04	6.55E-04	6.18E-04	1.80E-04	1.79E-04	3.59E-04	1.76E-04	1.74E-04	3.50E-04	1.73E-04	1.72E-04	3.45E-04
1504	495011.06, 3858551.99	0.00442	0.00439	6.72E-04	6.95E-04	6.33E-04	6.48E-04	6.11E-04	1.78E-04	1.77E-04	3.55E-04	1.74E-04	1.72E-04	3.46E-04	1.71E-04	1.70E-04	3.41E-04
1505	495061.06, 3858551.99	0.00439	0.00436	6.67E-04	6.90E-04	6.28E-04	6.44E-04	6.07E-04	1.77E-04	1.75E-04	3.52E-04	1.72E-04	1.71E-04	3.44E-04	1.70E-04	1.69E-04	3.39E-04
1506	495111.06, 3858551.99	0.00434	0.0043	6.59E-04	6.81E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.73E-04	3.48E-04	1.70E-04	1.69E-04	3.39E-04	1.68E-04	1.67E-04	3.35E-04
1507	495161.06, 3858551.99	0.0043	0.00426	6.53E-04	6.74E-04	6.16E-04	6.30E-04	5.95E-04	1.73E-04	1.71E-04	3.44E-04	1.69E-04	1.67E-04	3.36E-04	1.67E-04	1.65E-04	3.32E-04
1508	495211.06, 3858551.99	0.00427	0.00423	6.49E-04	6.70E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.70E-04	3.42E-04	1.68E-04	1.66E-04	3.34E-04	1.65E-04	1.64E-04	3.29E-04
1509	495261.06, 3858551.99	0.00424	0.0042	6.44E-04	6.65E-04	6.07E-04	6.22E-04	5.86E-04	1.71E-04	1.69E-04	3.40E-04	1.67E-04	1.65E-04	3.31E-04	1.64E-04	1.63E-04	3.27E-04
1510	495311.06, 3858551.99	0.00423	0.00419	6.43E-04	6.63E-04	6.06E-04	6.20E-04	5.85E-04	1.70E-04	1.69E-04	3.39E-04	1.66E-04	1.65E-04	3.31E-04	1.64E-04	1.62E-04	3.26E-04
1511	495361.06, 3858551.99	0.00421	0.00417	6.40E-04	6.60E-04	6.03E-04	6.17E-04	5.82E-04	1.69E-04	1.68E-04	3.37E-04	1.65E-04	1.64E-04	3.29E-04	1.63E-04	1.62E-04	3.25E-04
1512	495411.06, 3858551.99	0.0042	0.00416	6.38E-04	6.59E-04	6.01E-04	6.16E-04	5.81E-04	1.69E-04	1.67E-04	3.36E-04	1.65E-04	1.63E-04	3.28E-04	1.63E-04	1.61E-04	3.24E-04
1513	495461.06, 3858551.99	0.00418	0.00414	6.35E-04	6.55E-04	5.98E-04	6.13E-04	5.78E-04	1.68E-04	1.67E-04	3.35E-04	1.64E-04	1.63E-04	3.27E-04	1.62E-04	1.60E-04	3.22E-04
1514	495511.06, 3858551.99	0.00417	0.00413	6.34E-04	6.54E-04	5.97E-04	6.11E-04	5.77E-04	1.68E-04	1.66E-04	3.34E-04	1.64E-04	1.62E-04	3.26E-04	1.62E-04	1.60E-04	3.22E-04

1515 495561.06, 3858551.99	0.00415	0.00412	6.31E-04	6.52E-04	5.94E-04	6.09E-04	5.74E-04	1.67E-04	1.66E-04	3.33E-04	1.63E-04	1.62E-04	3.25E-04	1.61E-04	1.60E-04	3.20E-04
1516 495611.06, 3858551.99	0.00414	0.0041	6.29E-04	6.49E-04	5.93E-04	6.07E-04	5.73E-04	1.67E-04	1.65E-04	3.32E-04	1.63E-04	1.61E-04	3.24E-04	1.60E-04	1.59E-04	3.19E-04
1517 495661.06, 3858551.99	0.00412	0.00408	6.26E-04	6.46E-04	5.90E-04	6.04E-04	5.70E-04	1.66E-04	1.64E-04	3.30E-04	1.62E-04	1.60E-04	3.22E-04	1.60E-04	1.58E-04	3.18E-04
1518 494311.06, 3858601.99	0.00486	0.0048	7.38E-04	7.60E-04	6.96E-04	7.13E-04	6.72E-04	1.96E-04	1.93E-04	3.89E-04	1.91E-04	1.88E-04	3.79E-04	1.88E-04	1.86E-04	3.74E-04
1519 494361.06, 3858601.99	0.00493	0.00488	7.49E-04	7.73E-04	7.06E-04	7.23E-04	6.82E-04	1.98E-04	1.96E-04	3.95E-04	1.94E-04	1.92E-04	3.85E-04	1.91E-04	1.89E-04	3.80E-04
1520 494411.06, 3858601.99	0.005	0.00495	7.60E-04	7.84E-04	7.16E-04	7.33E-04	6.92E-04	2.01E-04	1.99E-04	4.00E-04	1.96E-04	1.94E-04	3.91E-04	1.94E-04	1.92E-04	3.86E-04
1521 494461.06, 3858601.99	0.00497	0.00493	7.55E-04	7.81E-04	7.12E-04	7.29E-04	6.87E-04	2.00E-04	1.98E-04	3.98E-04	1.95E-04	1.94E-04	3.89E-04	1.93E-04	1.91E-04	3.84E-04
1522 494511.06, 3858601.99	0.00492	0.00489	7.48E-04	7.74E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.97E-04	3.95E-04	1.93E-04	1.92E-04	3.85E-04	1.91E-04	1.89E-04	3.80E-04
1523 494561.06, 3858601.99	0.00492	0.00488	7.48E-04	7.73E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.96E-04	3.94E-04	1.93E-04	1.92E-04	3.85E-04	1.91E-04	1.89E-04	3.80E-04
1524 494611.06, 3858601.99	0.00488	0.00484	7.42E-04	7.66E-04	6.99E-04	7.16E-04	6.75E-04	1.96E-04	1.95E-04	3.91E-04	1.92E-04	1.90E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
1525 494661.06, 3858601.99	0.00484	0.0048	7.35E-04	7.60E-04	6.93E-04	7.10E-04	6.69E-04	1.95E-04	1.93E-04	3.88E-04	1.90E-04	1.88E-04	3.79E-04	1.88E-04	1.86E-04	3.74E-04
1526 494711.06, 3858601.99	0.0048	0.00476	7.29E-04	7.54E-04	6.87E-04	7.04E-04	6.64E-04	1.93E-04	1.92E-04	3.85E-04	1.88E-04	1.87E-04	3.75E-04	1.86E-04	1.84E-04	3.70E-04
1527 494761.06, 3858601.99	0.00475	0.00472	7.22E-04	7.47E-04	6.80E-04	6.96E-04	6.57E-04	1.91E-04	1.90E-04	3.81E-04	1.87E-04	1.85E-04	3.72E-04	1.84E-04	1.83E-04	3.67E-04
1528 494811.06, 3858601.99	0.00469	0.00466	7.13E-04	7.38E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	1.88E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.81E-04	3.62E-04
1529 494861.06, 3858601.99	0.00465	0.00462	7.07E-04	7.31E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.86E-04	3.73E-04	1.83E-04	1.81E-04	3.64E-04	1.80E-04	1.79E-04	3.59E-04
1530 494911.06, 3858601.99	0.0046	0.00456	6.99E-04	7.22E-04	6.59E-04	6.74E-04	6.36E-04	1.85E-04	1.84E-04	3.69E-04	1.81E-04	1.79E-04	3.60E-04	1.78E-04	1.77E-04	3.55E-04
1531 494961.06, 3858601.99	0.00455	0.00452	6.91E-04	7.16E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.82E-04	3.65E-04	1.79E-04	1.77E-04	3.56E-04	1.76E-04	1.75E-04	3.51E-04
1532 495011.06, 3858601.99	0.00451	0.00448	6.85E-04	7.09E-04	6.46E-04	6.61E-04	6.24E-04	1.81E-04	1.80E-04	3.62E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.74E-04	3.48E-04
1533 495061.06, 3858601.99	0.00447	0.00443	6.79E-04	7.01E-04	6.40E-04	6.55E-04	6.18E-04	1.80E-04	1.78E-04	3.58E-04	1.76E-04	1.74E-04	3.50E-04	1.73E-04	1.72E-04	3.45E-04
1534 495111.06, 3858601.99	0.00441	0.00437	6.70E-04	6.92E-04	6.31E-04	6.47E-04	6.10E-04	1.77E-04	1.76E-04	3.53E-04	1.73E-04	1.72E-04	3.45E-04	1.71E-04	1.69E-04	3.40E-04
1535 495161.06, 3858601.99	0.00438	0.00434	6.66E-04	6.87E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.75E-04	3.51E-04	1.72E-04	1.70E-04	3.42E-04	1.70E-04	1.68E-04	3.38E-04
1536 495211.06, 3858601.99	0.00435	0.00431	6.61E-04	6.82E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.73E-04	3.49E-04	1.71E-04	1.69E-04	3.40E-04	1.69E-04	1.67E-04	3.36E-04
1537 495261.06, 3858601.99	0.00432	0.00429	6.56E-04	6.79E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	1.73E-04	3.46E-04	1.70E-04	1.68E-04	3.38E-04	1.67E-04	1.66E-04	3.34E-04
1538 495311.06, 3858601.99	0.0043	0.00426	6.53E-04	6.74E-04	6.16E-04	6.30E-04	5.95E-04	1.73E-04	1.71E-04	3.44E-04	1.69E-04	1.67E-04	3.36E-04	1.67E-04	1.65E-04	3.32E-04
1539 495361.06, 3858601.99	0.00428	0.00425	6.50E-04	6.73E-04	6.13E-04	6.28E-04	5.92E-04	1.72E-04	1.71E-04	3.43E-04	1.68E-04	1.67E-04	3.35E-04	1.66E-04	1.65E-04	3.31E-04
1540 495411.06, 3858601.99	0.00427	0.00423	6.49E-04	6.70E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.70E-04	3.42E-04	1.68E-04	1.66E-04	3.34E-04	1.65E-04	1.64E-04	3.29E-04
1541 495461.06, 3858601.99	0.00425	0.00422	6.46E-04	6.68E-04	6.08E-04	6.23E-04	5.88E-04	1.71E-04	1.70E-04	3.41E-04	1.67E-04	1.66E-04	3.33E-04	1.65E-04	1.64E-04	3.28E-04
1542 495511.06, 3858601.99	0.00423	0.0042	6.43E-04	6.65E-04	6.06E-04	6.20E-04	5.85E-04	1.70E-04	1.69E-04	3.39E-04	1.66E-04	1.65E-04	3.31E-04	1.64E-04	1.63E-04	3.27E-04
1543 495561.06, 3858601.99	0.00422	0.00419	6.41E-04	6.63E-04	6.04E-04	6.19E-04	5.84E-04	1.70E-04	1.69E-04	3.38E-04	1.66E-04	1.65E-04	3.30E-04	1.64E-04	1.62E-04	3.26E-04
1544 495611.06, 3858601.99	0.0042	0.00417	6.38E-04	6.60E-04	6.01E-04	6.16E-04	5.81E-04	1.69E-04	1.68E-04	3.37E-04	1.65E-04	1.64E-04	3.29E-04	1.63E-04	1.62E-04	3.24E-04
1545 495661.06, 3858601.99	0.00418	0.00415	6.35E-04	6.57E-04	5.98E-04	6.13E-04	5.78E-04	1.68E-04	1.67E-04	3.35E-04	1.64E-04	1.63E-04	3.27E-04	1.62E-04	1.61E-04	3.23E-04
1546 494311.06, 3858651.99	0.00492	0.00486	7.48E-04	7.69E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.96E-04	3.94E-04	1.93E-04	1.91E-04	3.84E-04	1.91E-04	1.88E-04	3.79E-04
1547 494361.06, 3858651.99	0.00499	0.00494	7.58E-04	7.82E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	1.99E-04	4.00E-04	1.96E-04	1.94E-04	3.90E-04	1.93E-04	1.91E-04	3.85E-04
1548 494411.06, 3858651.99	0.00508	0.00505	7.72E-04	8.00E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.03E-04	4.08E-04	1.99E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1549 494461.06, 3858651.99	0.00509	0.00505	7.73E-04	8.00E-04	7.29E-04	7.46E-04	7.04E-04	2.05E-04	2.03E-04	4.08E-04	2.00E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1550 494511.06, 3858651.99	0.00506	0.00502	7.69E-04	7.95E-04	7.24E-04	7.42E-04	7.00E-04	2.04E-04	2.02E-04	4.06E-04	1.99E-04	1.97E-04	3.96E-04	1.96E-04	1.95E-04	3.91E-04
1551 494561.06, 3858651.99	0.00503	0.00499	7.64E-04	7.90E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.01E-04	4.03E-04	1.98E-04	1.96E-04	3.93E-04	1.95E-04	1.93E-04	3.88E-04
1552 494611.06, 3858651.99	0.005	0.00496	7.60E-04	7.85E-04	7.16E-04	7.33E-04	6.92E-04	2.01E-04	2.00E-04	4.01E-04	1.96E-04	1.95E-04	3.91E-04	1.94E-04	1.92E-04	3.86E-04
1553 494661.06, 3858651.99	0.00495	0.00492	7.52E-04	7.79E-04	7.09E-04	7.26E-04	6.85E-04	1.99E-04	1.98E-04	3.97E-04	1.94E-04	1.93E-04	3.88E-04	1.92E-04	1.91E-04	3.82E-04
1554 494711.06, 3858651.99	0.0049	0.00487	7.45E-04	7.71E-04	7.01E-04	7.18E-04	6.78E-04	1.97E-04	1.96E-04	3.93E-04	1.92E-04	1.91E-04	3.84E-04	1.90E-04	1.89E-04	3.79E-04
1555 494761.06, 3858651.99	0.00486	0.00482	7.38E-04	7.63E-04	6.96E-04	7.13E-04	6.72E-04	1.96E-04	1.94E-04	3.90E-04	1.91E-04	1.89E-04	3.80E-04	1.88E-04	1.87E-04	3.75E-04
1556 494811.06, 3858651.99	0.0048	0.00477	7.29E-04	7.55E-04	6.87E-04	7.04E-04	6.64E-04	1.93E-04	1.92E-04	3.85E-04	1.88E-04	1.87E-04	3.76E-04	1.86E-04	1.85E-04	3.71E-04
1557 494861.06, 3858651.99	0.00475	0.00471	7.22E-04	7.46E-04	6.80E-04	6.96E-04	6.57E-04	1.91E-04	1.90E-04	3.81E-04	1.87E-04	1.85E-04	3.71E-04	1.84E-04	1.83E-04	3.67E-04
1558 494911.06, 3858651.99	0.00469	0.00466	7.13E-04	7.38E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	1.88E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.81E-04	3.62E-04
1559 494961.06, 3858651.99	0.00464	0.00461	7.05E-04	7.30E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.86E-04	3.72E-04	1.82E-04	1.81E-04	3.63E-04	1.80E-04	1.79E-04	3.58E-04
1560 495011.06, 3858651.99	0.0046	0.00456	6.99E-04	7.22E-04	6.59E-04	6.74E-04	6.36E-04	1.85E-04	1.84E-04	3.69E-04	1.81E-04	1.79E-04	3.60E-04	1.78E-04	1.77E-04	3.55E-04
1561 495061.06, 3858651.99	0.00455	0.00452	6.91E-04	7.16E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.82E-04	3.65E-04	1.79E-04	1.77E-04	3.56E-04	1.76E-04	1.75E-04	3.51E-04
1562 495111.06, 3858651.99	0.0045	0.00446	6.84E-04	7.06E-04	6.44E-04	6.60E-04	6.22E-04	1.81E-04	1.79E-04	3.61E-04	1.77E-04	1.75E-04	3.52E-04	1.74E-04	1.73E-04	3.47E-04
1563 495161.06, 3858651.99	0.00446	0.00443	6.78E-04	7.01E-04	6.38E-04	6.54E-04	6.17E-04	1.79E-04	1.78E-04	3.58E-04	1.75E-04	1.74E-04	3.49E-04	1.73E-04	1.72E-04	3.44E-04
1564 495211.06, 3858651.99	0.00442	0.00439	6.72E-04	6.95E-04	6.33E-04	6.48E-04	6.11E-04	1.78E-04	1.77E-04	3.55E-04	1.74E-04	1.72E-04	3.46E-04	1.71E-04	1.70E-04	3.41E-04
1565 495261.06, 3858651.99	0.0044	0.00437	6.69E-04	6.92E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.76E-04	3.53E-04	1.73E-04	1.72E-04	3.44E-04	1.70E-04	1.69E-04	3.40E-04
1566 495311.06, 3858651.99	0.00438	0.00435	6.66E-04	6.89E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.75E-04	3.51E-04	1.72E-04	1.71E-04	3.43E-04	1.70E-04	1.69E-04	3.38E-04
1567 495361.06, 3858651.99	0.00436	0.00433	6.63E-04	6.86E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.74E-04	3.50E-04	1.71E-04	1.70E-04	3.41E-04	1.69E-04	1.68E-04	3.37E-04
1568 495411.06, 3858651.99	0.00435	0.00432	6.61E-04	6.84E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.74E-04	3.49E-04	1.71E-04	1.70E-04	3.40E-04	1.69E-04	1.67E-04	3.36E-04
1569 495461.06, 3858651.99	0.00434	0.00431	6.59E-04	6.82E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.73E-04	3.48E-04	1.70E-04	1.69E-04	3.40E-04	1.68E-04	1.67E-04	3.35E-04
1570 495511.06, 3858651.99	0.00431	0.00428	6.55E-04	6.78E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.72E-04	3.46E-04	1.69E-04	1.68E-04	3.37E-04	1.67E-04	1.66E-04	3.33E-04
1571 495561.06, 3858651.99	0.00429	0.00426	6.52E-04	6.74E-04	6.14E-04	6.29E-04	5.93E-04	1.73E-04	1.71E-04	3.44E-04	1.68E-04	1.67E-04	3.36E-04	1.66E-04	1.65E-04	3.31E-04
1572 495611.06, 3858651.99	0.00426	0.00424	6.47E-04	6.71E-04	6.10E-04	6.25E-04	5.89E-04	1.71E-04	1.71E-04	3.42E-04	1.67E-04	1.67E-04	3.34E-04	1.65E-04	1.64E-04	3.29E-04
1573 495661.06, 3858651.99	0.00425	0.00422	6.46E-04	6.68E-04	6.08E-04	6.23E-04	5.88E-04	1.71E-04	1.70E-04	3.41E-04	1.67E-04	1.66E-04	3.33E-04	1.65E-04	1.64E-04	3.28E-04
1574 494311.06, 3858701.99	0.00504	0.00498	7.66E-04	7.88E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	2.00E-04	4.03E-04	1.98E-04	1.96E-04	3.93E-04	1.95E-04	1.93E-04	3.88E-04
1575 494361.06, 3858701.99	0.00514	0.0051	7.81E-04	8.07E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	2.05E-04	4.12E-04	2.02E-04	2.00E-04	4.02E-04	1.99E-04	1.98E-04	3.97E-04
1576 494411.06, 3858701.99	0.0052	0.00517	7.90E-04	8.19E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.08E-04	4.17E-04	2.04E-04	2.03E-04	4.07E-04	2.01E-04	2.00E-04	4.02E-04
1577 494461.06, 3858701.99	0.00518	0.00515	7.87E-04	8.15E-04	7.42E-04	7.60E-04	7.16E-04	2.08E-04	2.07E-04	4.16E-04	2.03E-04	2.02E-04	4.06E-04	2.01E-04	2.00E-04	4.00E-04
1578 494511.06, 3858701.99	0.00518	0.00514	7.87E-04	8.14E-04	7.42E-04	7.60E-04	7.16E-04	2.08E-04	2.07E-04	4.15E-04	2.03E-04	2.02E-04	4.05E-04	2.01E-04	1.99E-04	4.00E-04
1579 494561.06, 3858701.99	0.00514	0.00511	7.81E-04	8.09E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	2.06E-04	4.12E-04	2.02E-04	2.01E-04	4.03E-04	1.99E-04	1.98E-04	3.97E-04
1580 494611.06, 3858701.99	0.00508	0.00505	7.72E-04	8.00E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.03E-04	4.08E-04	1.99E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04

1581	494661.06, 3858701.99	0.00506	0.00503	7.69E-04	7.96E-04	7.24E-04	7.42E-04	7.00E-04	2.04E-04	2.02E-04	4.06E-04	1.99E-04	1.98E-04	3.96E-04	1.96E-04	1.95E-04	3.91E-04
1582	494711.06, 3858701.99	0.00494	0.00491	7.51E-04	7.77E-04	7.07E-04	7.24E-04	6.83E-04	1.99E-04	1.98E-04	3.96E-04	1.94E-04	1.93E-04	3.87E-04	1.91E-04	1.90E-04	3.82E-04
1583	494761.06, 3858701.99	0.00495	0.00492	7.52E-04	7.79E-04	7.09E-04	7.26E-04	6.85E-04	1.99E-04	1.98E-04	3.97E-04	1.94E-04	1.93E-04	3.88E-04	1.92E-04	1.91E-04	3.82E-04
1584	494811.06, 3858701.99	0.00489	0.00485	7.43E-04	7.68E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	1.95E-04	3.92E-04	1.92E-04	1.90E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
1585	494861.06, 3858701.99	0.00484	0.00481	7.35E-04	7.62E-04	6.93E-04	7.10E-04	6.69E-04	1.95E-04	1.94E-04	3.88E-04	1.90E-04	1.89E-04	3.79E-04	1.88E-04	1.86E-04	3.74E-04
1586	494911.06, 3858701.99	0.0048	0.00476	7.29E-04	7.54E-04	6.87E-04	7.04E-04	6.64E-04	1.93E-04	1.92E-04	3.85E-04	1.88E-04	1.87E-04	3.75E-04	1.86E-04	1.84E-04	3.70E-04
1587	494961.06, 3858701.99	0.00472	0.00469	7.17E-04	7.43E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.89E-04	3.79E-04	1.85E-04	1.84E-04	3.70E-04	1.83E-04	1.82E-04	3.65E-04
1588	495011.06, 3858701.99	0.00467	0.00463	7.10E-04	7.33E-04	6.69E-04	6.85E-04	6.46E-04	1.88E-04	1.86E-04	3.74E-04	1.83E-04	1.82E-04	3.65E-04	1.81E-04	1.79E-04	3.60E-04
1589	495061.06, 3858701.99	0.00464	0.00461	7.05E-04	7.30E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.86E-04	3.72E-04	1.82E-04	1.81E-04	3.63E-04	1.80E-04	1.79E-04	3.58E-04
1590	495111.06, 3858701.99	0.00458	0.00455	6.96E-04	7.20E-04	6.56E-04	6.72E-04	6.33E-04	1.84E-04	1.83E-04	3.67E-04	1.80E-04	1.79E-04	3.59E-04	1.77E-04	1.76E-04	3.54E-04
1591	495161.06, 3858701.99	0.00455	0.00451	6.91E-04	7.14E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.81E-04	3.65E-04	1.79E-04	1.77E-04	3.56E-04	1.76E-04	1.75E-04	3.51E-04
1592	495211.06, 3858701.99	0.00451	0.00447	6.85E-04	7.08E-04	6.46E-04	6.61E-04	6.24E-04	1.81E-04	1.80E-04	3.61E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.73E-04	3.48E-04
1593	495261.06, 3858701.99	0.00449	0.00446	6.82E-04	7.06E-04	6.43E-04	6.58E-04	6.21E-04	1.81E-04	1.79E-04	3.60E-04	1.76E-04	1.75E-04	3.51E-04	1.74E-04	1.73E-04	3.47E-04
1594	495311.06, 3858701.99	0.00447	0.00444	6.79E-04	7.03E-04	6.40E-04	6.55E-04	6.18E-04	1.80E-04	1.79E-04	3.59E-04	1.76E-04	1.74E-04	3.50E-04	1.73E-04	1.72E-04	3.45E-04
1595	495361.06, 3858701.99	0.00445	0.00442	6.76E-04	7.00E-04	6.37E-04	6.52E-04	6.15E-04	1.79E-04	1.78E-04	3.57E-04	1.75E-04	1.74E-04	3.48E-04	1.72E-04	1.71E-04	3.44E-04
1596	495411.06, 3858701.99	0.00444	0.00441	6.75E-04	6.98E-04	6.36E-04	6.51E-04	6.14E-04	1.79E-04	1.77E-04	3.56E-04	1.74E-04	1.73E-04	3.48E-04	1.72E-04	1.71E-04	3.43E-04
1597	495461.06, 3858701.99	0.00442	0.00439	6.72E-04	6.95E-04	6.33E-04	6.48E-04	6.11E-04	1.78E-04	1.77E-04	3.55E-04	1.74E-04	1.72E-04	3.46E-04	1.71E-04	1.70E-04	3.41E-04
1598	495511.06, 3858701.99	0.00439	0.00437	6.67E-04	6.92E-04	6.28E-04	6.44E-04	6.07E-04	1.77E-04	1.76E-04	3.53E-04	1.72E-04	1.72E-04	3.44E-04	1.70E-04	1.69E-04	3.39E-04
1599	495561.06, 3858701.99	0.00437	0.00434	6.64E-04	6.87E-04	6.26E-04	6.41E-04	6.04E-04	1.76E-04	1.75E-04	3.51E-04	1.72E-04	1.70E-04	3.42E-04	1.69E-04	1.68E-04	3.37E-04
1600	495611.06, 3858701.99	0.00434	0.00432	6.59E-04	6.84E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.74E-04	3.49E-04	1.70E-04	1.70E-04	3.40E-04	1.68E-04	1.67E-04	3.36E-04
1601	495661.06, 3858701.99	0.00432	0.0043	6.56E-04	6.81E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	1.73E-04	3.47E-04	1.70E-04	1.69E-04	3.39E-04	1.67E-04	1.67E-04	3.34E-04
1602	494311.06, 3858751.99	0.00515	0.0051	7.83E-04	8.07E-04	7.37E-04	7.55E-04	7.12E-04	2.07E-04	2.05E-04	4.12E-04	2.02E-04	2.00E-04	4.03E-04	2.00E-04	1.98E-04	3.97E-04
1603	494361.06, 3858751.99	0.00529	0.00525	8.04E-04	8.31E-04	7.57E-04	7.76E-04	7.32E-04	2.13E-04	2.11E-04	4.24E-04	2.08E-04	2.06E-04	4.14E-04	2.05E-04	2.03E-04	4.08E-04
1604	494411.06, 3858751.99	0.00534	0.0053	8.11E-04	8.39E-04	7.64E-04	7.83E-04	7.39E-04	2.15E-04	2.13E-04	4.28E-04	2.10E-04	2.08E-04	4.18E-04	2.07E-04	2.05E-04	4.12E-04
1605	494461.06, 3858751.99	0.00531	0.00528	8.07E-04	8.36E-04	7.60E-04	7.79E-04	7.34E-04	2.14E-04	2.12E-04	4.26E-04	2.09E-04	2.07E-04	4.16E-04	2.06E-04	2.05E-04	4.10E-04
1606	494511.06, 3858751.99	0.00532	0.00528	8.08E-04	8.36E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.12E-04	4.27E-04	2.09E-04	2.07E-04	4.16E-04	2.06E-04	2.05E-04	4.11E-04
1607	494561.06, 3858751.99	0.00525	0.00522	7.98E-04	8.26E-04	7.52E-04	7.70E-04	7.26E-04	2.11E-04	2.10E-04	4.21E-04	2.06E-04	2.05E-04	4.11E-04	2.03E-04	2.02E-04	4.06E-04
1608	494611.06, 3858751.99	0.0052	0.00517	7.90E-04	8.19E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.08E-04	4.17E-04	2.04E-04	2.03E-04	4.07E-04	2.01E-04	2.00E-04	4.02E-04
1609	494661.06, 3858751.99	0.00515	0.00512	7.83E-04	8.11E-04	7.37E-04	7.55E-04	7.12E-04	2.07E-04	2.06E-04	4.13E-04	2.02E-04	2.01E-04	4.03E-04	2.00E-04	1.98E-04	3.98E-04
1610	494711.06, 3858751.99	0.00508	0.00505	7.72E-04	8.00E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.03E-04	4.08E-04	1.99E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1611	494761.06, 3858751.99	0.00506	0.00503	7.69E-04	7.96E-04	7.24E-04	7.42E-04	7.00E-04	2.04E-04	2.02E-04	4.06E-04	1.99E-04	1.98E-04	3.96E-04	1.96E-04	1.95E-04	3.91E-04
1612	494811.06, 3858751.99	0.00499	0.00496	7.58E-04	7.85E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	2.00E-04	4.00E-04	1.96E-04	1.95E-04	3.91E-04	1.93E-04	1.92E-04	3.86E-04
1613	494861.06, 3858751.99	0.00493	0.0049	7.49E-04	7.76E-04	7.06E-04	7.23E-04	6.82E-04	1.98E-04	1.97E-04	3.96E-04	1.94E-04	1.92E-04	3.86E-04	1.91E-04	1.90E-04	3.81E-04
1614	494911.06, 3858751.99	0.00487	0.00483	7.40E-04	7.65E-04	6.97E-04	7.14E-04	6.74E-04	1.96E-04	1.94E-04	3.90E-04	1.91E-04	1.90E-04	3.81E-04	1.89E-04	1.87E-04	3.76E-04
1615	494961.06, 3858751.99	0.00482	0.00479	7.32E-04	7.58E-04	6.90E-04	7.07E-04	6.67E-04	1.94E-04	1.93E-04	3.87E-04	1.89E-04	1.88E-04	3.77E-04	1.87E-04	1.86E-04	3.72E-04
1616	495011.06, 3858751.99	0.00478	0.00475	7.26E-04	7.52E-04	6.84E-04	7.01E-04	6.61E-04	1.92E-04	1.91E-04	3.84E-04	1.88E-04	1.87E-04	3.74E-04	1.85E-04	1.84E-04	3.69E-04
1617	495061.06, 3858751.99	0.00473	0.0047	7.19E-04	7.44E-04	6.77E-04	6.94E-04	6.54E-04	1.90E-04	1.89E-04	3.79E-04	1.86E-04	1.85E-04	3.70E-04	1.83E-04	1.82E-04	3.65E-04
1618	495111.06, 3858751.99	0.00468	0.00465	7.11E-04	7.36E-04	6.70E-04	6.86E-04	6.47E-04	1.88E-04	1.87E-04	3.75E-04	1.84E-04	1.83E-04	3.66E-04	1.81E-04	1.80E-04	3.62E-04
1619	495161.06, 3858751.99	0.00464	0.00461	7.05E-04	7.30E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.86E-04	3.72E-04	1.82E-04	1.81E-04	3.63E-04	1.80E-04	1.79E-04	3.58E-04
1620	495211.06, 3858751.99	0.0046	0.00457	6.99E-04	7.24E-04	6.59E-04	6.74E-04	6.36E-04	1.85E-04	1.84E-04	3.69E-04	1.81E-04	1.79E-04	3.60E-04	1.78E-04	1.77E-04	3.55E-04
1621	495261.06, 3858751.99	0.00458	0.00455	6.96E-04	7.20E-04	6.56E-04	6.72E-04	6.33E-04	1.84E-04	1.83E-04	3.67E-04	1.80E-04	1.79E-04	3.59E-04	1.77E-04	1.76E-04	3.54E-04
1622	495311.06, 3858751.99	0.00456	0.00453	6.93E-04	7.17E-04	6.53E-04	6.69E-04	6.31E-04	1.84E-04	1.82E-04	3.66E-04	1.79E-04	1.78E-04	3.57E-04	1.77E-04	1.76E-04	3.52E-04
1623	495361.06, 3858751.99	0.00454	0.00451	6.90E-04	7.14E-04	6.50E-04	6.66E-04	6.28E-04	1.83E-04	1.81E-04	3.64E-04	1.78E-04	1.77E-04	3.55E-04	1.76E-04	1.75E-04	3.51E-04
1624	495411.06, 3858751.99	0.00453	0.0045	6.88E-04	7.12E-04	6.49E-04	6.64E-04	6.27E-04	1.82E-04	1.81E-04	3.63E-04	1.78E-04	1.77E-04	3.55E-04	1.76E-04	1.74E-04	3.50E-04
1625	495461.06, 3858751.99	0.00451	0.00448	6.85E-04	7.09E-04	6.46E-04	6.61E-04	6.24E-04	1.81E-04	1.80E-04	3.62E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.74E-04	3.48E-04
1626	495511.06, 3858751.99	0.00448	0.00446	6.81E-04	7.06E-04	6.41E-04	6.57E-04	6.20E-04	1.80E-04	1.79E-04	3.60E-04	1.76E-04	1.75E-04	3.51E-04	1.74E-04	1.73E-04	3.46E-04
1627	495561.06, 3858751.99	0.00445	0.00443	6.76E-04	7.01E-04	6.37E-04	6.52E-04	6.15E-04	1.79E-04	1.78E-04	3.57E-04	1.75E-04	1.74E-04	3.49E-04	1.72E-04	1.72E-04	3.44E-04
1628	495611.06, 3858751.99	0.00442	0.0044	6.72E-04	6.97E-04	6.33E-04	6.48E-04	6.11E-04	1.78E-04	1.77E-04	3.55E-04	1.74E-04	1.73E-04	3.46E-04	1.71E-04	1.70E-04	3.42E-04
1629	495661.06, 3858751.99	0.0044	0.00438	6.69E-04	6.93E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.76E-04	3.53E-04	1.73E-04	1.72E-04	3.45E-04	1.70E-04	1.70E-04	3.40E-04
1630	494311.06, 3858801.99	0.00531	0.00526	8.07E-04	8.33E-04	7.60E-04	7.79E-04	7.34E-04	2.14E-04	2.12E-04	4.25E-04	2.09E-04	2.07E-04	4.15E-04	2.06E-04	2.04E-04	4.10E-04
1631	494361.06, 3858801.99	0.00544	0.0054	8.27E-04	8.55E-04	7.79E-04	7.98E-04	7.52E-04	2.19E-04	2.17E-04	4.36E-04	2.14E-04	2.12E-04	4.26E-04	2.11E-04	2.09E-04	4.20E-04
1632	494411.06, 3858801.99	0.00545	0.00541	8.28E-04	8.57E-04	7.80E-04	7.99E-04	7.54E-04	2.19E-04	2.18E-04	4.37E-04	2.14E-04	2.12E-04	4.26E-04	2.11E-04	2.10E-04	4.21E-04
1633	494461.06, 3858801.99	0.00545	0.00541	8.28E-04	8.57E-04	7.80E-04	7.99E-04	7.54E-04	2.19E-04	2.18E-04	4.37E-04	2.14E-04	2.12E-04	4.26E-04	2.11E-04	2.10E-04	4.21E-04
1634	494511.06, 3858801.99	0.00545	0.00542	8.28E-04	8.58E-04	7.80E-04	7.99E-04	7.54E-04	2.19E-04	2.18E-04	4.37E-04	2.14E-04	2.13E-04	4.27E-04	2.11E-04	2.10E-04	4.21E-04
1635	494561.06, 3858801.99	0.00542	0.00538	8.24E-04	8.52E-04	7.76E-04	7.95E-04	7.50E-04	2.18E-04	2.17E-04	4.35E-04	2.13E-04	2.11E-04	4.24E-04	2.10E-04	2.08E-04	4.18E-04
1636	494611.06, 3858801.99	0.00537	0.00534	8.16E-04	8.45E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.15E-04	4.31E-04	2.11E-04	2.10E-04	4.21E-04	2.08E-04	2.07E-04	4.15E-04
1637	494661.06, 3858801.99	0.00531	0.00527	8.07E-04	8.34E-04	7.60E-04	7.79E-04	7.34E-04	2.14E-04	2.12E-04	4.26E-04	2.09E-04	2.07E-04	4.15E-04	2.06E-04	2.04E-04	4.10E-04
1638	494711.06, 3858801.99	0.00524	0.00521	7.96E-04	8.25E-04	7.50E-04	7.68E-04	7.25E-04	2.11E-04	2.10E-04	4.21E-04	2.06E-04	2.05E-04	4.10E-04	2.03E-04	2.02E-04	4.05E-04
1639	494761.06, 3858801.99	0.00516	0.00513	7.84E-04	8.12E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.06E-04	4.14E-04	2.03E-04	2.01E-04	4.04E-04	2.00E-04	1.99E-04	3.99E-04
1640	494811.06, 3858801.99	0.00508	0.00505	7.72E-04	8.00E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.03E-04	4.08E-04	1.99E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1641	494861.06, 3858801.99	0.00503	0.005	7.64E-04	7.92E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.01E-04	4.04E-04	1.98E-04	1.96E-04	3.94E-04	1.95E-04	1.94E-04	3.89E-04
1642	494911.06, 3858801.99	0.00497	0.00494	7.55E-04	7.82E-04	7.12E-04	7.29E-04	6.87E-04	2.00E-04	1.99E-04	3.99E-04	1.95E-04	1.94E-04	3.89E-04	1.93E-04	1.91E-04	3.84E-04
1643	494961.06, 3858801.99	0.00492	0.00489	7.48E-04	7.74E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.97E-04	3.95E-04	1.93E-04	1.92E-04	3.85E-04	1.91E-04	1.89E-04	3.80E-04
1644	495011.06, 3858801.99	0.00487	0.00484	7.40E-04	7.66E-04	6.97E-04	7.14E-04	6.74E-04	1.96E-04	1.95E-04	3.91E-04	1.91E-04	1.90E-04	3.81E-04	1.89E-04	1.88E-04	3.76E-04
1645	495061.06, 3858801.99	0.00483	0.0048	7.34E-04	7.60E-04	6.91E-04	7.08E-04	6.68E-04	1.94E-04	1.93E-04	3.88E-04	1.90E-04	1.88E-04	3.78E-04	1.87E-04	1.86E-04	3.73E-04
1646	495111.06, 3858801.99	0.00477	0.00474	7.25E-04	7.50E-04	6.83E-04	6.99E-04	6.60E-04	1.92E-04	1.91E-04	3.83E-04	1.87E-04	1.86E-04	3.73E-04	1.85E-04	1.84E-04	3.68E-04

1647	495161.06, 3858801.99	0.00472	0.00469	7.17E-04	7.43E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.89E-04	3.79E-04	1.85E-04	1.84E-04	3.70E-04	1.83E-04	1.82E-04	3.65E-04
1648	495211.06, 3858801.99	0.00469	0.00466	7.13E-04	7.38E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	1.88E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.81E-04	3.62E-04
1649	495261.06, 3858801.99	0.00467	0.00464	7.10E-04	7.35E-04	6.69E-04	6.85E-04	6.46E-04	1.88E-04	1.87E-04	3.75E-04	1.83E-04	1.82E-04	3.66E-04	1.81E-04	1.80E-04	3.61E-04
1650	495311.06, 3858801.99	0.00465	0.00462	7.07E-04	7.31E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.86E-04	3.73E-04	1.83E-04	1.81E-04	3.64E-04	1.80E-04	1.79E-04	3.59E-04
1651	495361.06, 3858801.99	0.00463	0.0046	7.04E-04	7.28E-04	6.63E-04	6.79E-04	6.40E-04	1.86E-04	1.85E-04	3.71E-04	1.82E-04	1.81E-04	3.62E-04	1.79E-04	1.78E-04	3.58E-04
1652	495411.06, 3858801.99	0.00462	0.0046	7.02E-04	7.28E-04	6.61E-04	6.77E-04	6.39E-04	1.86E-04	1.85E-04	3.71E-04	1.81E-04	1.81E-04	3.62E-04	1.79E-04	1.78E-04	3.57E-04
1653	495461.06, 3858801.99	0.0046	0.00457	6.99E-04	7.24E-04	6.59E-04	6.74E-04	6.36E-04	1.85E-04	1.84E-04	3.69E-04	1.81E-04	1.79E-04	3.60E-04	1.78E-04	1.77E-04	3.55E-04
1654	495511.06, 3858801.99	0.00457	0.00455	6.94E-04	7.20E-04	6.54E-04	6.70E-04	6.32E-04	1.84E-04	1.83E-04	3.67E-04	1.79E-04	1.79E-04	3.58E-04	1.77E-04	1.76E-04	3.53E-04
1655	495561.06, 3858801.99	0.00455	0.00452	6.91E-04	7.16E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.82E-04	3.65E-04	1.79E-04	1.77E-04	3.56E-04	1.76E-04	1.75E-04	3.51E-04
1656	495611.06, 3858801.99	0.00451	0.00449	6.85E-04	7.11E-04	6.46E-04	6.61E-04	6.24E-04	1.81E-04	1.81E-04	3.62E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.74E-04	3.49E-04
1657	495661.06, 3858801.99	0.00449	0.00447	6.82E-04	7.08E-04	6.43E-04	6.58E-04	6.21E-04	1.81E-04	1.80E-04	3.61E-04	1.76E-04	1.76E-04	3.52E-04	1.74E-04	1.73E-04	3.47E-04
1658	494311.06, 3858851.99	0.00557	0.00553	8.46E-04	8.76E-04	7.97E-04	8.17E-04	7.70E-04	2.24E-04	2.23E-04	4.47E-04	2.19E-04	2.17E-04	4.36E-04	2.16E-04	2.14E-04	4.30E-04
1659	494361.06, 3858851.99	0.00564	0.0056	8.57E-04	8.87E-04	8.07E-04	8.27E-04	7.80E-04	2.27E-04	2.25E-04	4.52E-04	2.21E-04	2.20E-04	4.41E-04	2.19E-04	2.17E-04	4.36E-04
1660	494411.06, 3858851.99	0.00561	0.00557	8.52E-04	8.82E-04	8.03E-04	8.23E-04	7.76E-04	2.26E-04	2.24E-04	4.50E-04	2.20E-04	2.19E-04	4.39E-04	2.17E-04	2.16E-04	4.33E-04
1661	494461.06, 3858851.99	0.00559	0.00555	8.49E-04	8.79E-04	8.00E-04	8.20E-04	7.73E-04	2.25E-04	2.23E-04	4.48E-04	2.20E-04	2.18E-04	4.37E-04	2.17E-04	2.15E-04	4.32E-04
1662	494511.06, 3858851.99	0.00559	0.00555	8.49E-04	8.79E-04	8.00E-04	8.20E-04	7.73E-04	2.25E-04	2.23E-04	4.48E-04	2.20E-04	2.18E-04	4.37E-04	2.17E-04	2.15E-04	4.32E-04
1663	494561.06, 3858851.99	0.00555	0.00551	8.43E-04	8.72E-04	7.95E-04	8.14E-04	7.68E-04	2.23E-04	2.22E-04	4.45E-04	2.18E-04	2.16E-04	4.34E-04	2.15E-04	2.14E-04	4.29E-04
1664	494611.06, 3858851.99	0.00549	0.00546	8.34E-04	8.64E-04	7.86E-04	8.05E-04	7.59E-04	2.21E-04	2.20E-04	4.41E-04	2.16E-04	2.14E-04	4.30E-04	2.13E-04	2.12E-04	4.24E-04
1665	494661.06, 3858851.99	0.00543	0.00539	8.25E-04	8.53E-04	7.77E-04	7.96E-04	7.51E-04	2.19E-04	2.17E-04	4.35E-04	2.13E-04	2.12E-04	4.25E-04	2.10E-04	2.09E-04	4.19E-04
1666	494711.06, 3858851.99	0.00534	0.00531	8.11E-04	8.41E-04	7.64E-04	7.83E-04	7.39E-04	2.15E-04	2.14E-04	4.29E-04	2.10E-04	2.09E-04	4.18E-04	2.07E-04	2.06E-04	4.13E-04
1667	494761.06, 3858851.99	0.00526	0.00523	7.99E-04	8.28E-04	7.53E-04	7.71E-04	7.27E-04	2.12E-04	2.10E-04	4.22E-04	2.07E-04	2.05E-04	4.12E-04	2.04E-04	2.03E-04	4.06E-04
1668	494811.06, 3858851.99	0.0052	0.00517	7.90E-04	8.19E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.08E-04	4.17E-04	2.04E-04	2.03E-04	4.07E-04	2.01E-04	2.00E-04	4.02E-04
1669	494861.06, 3858851.99	0.00515	0.00512	7.83E-04	8.11E-04	7.37E-04	7.55E-04	7.12E-04	2.07E-04	2.06E-04	4.13E-04	2.02E-04	2.01E-04	4.03E-04	2.00E-04	1.98E-04	3.98E-04
1670	494911.06, 3858851.99	0.00508	0.00505	7.72E-04	8.00E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.03E-04	4.08E-04	1.99E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1671	494961.06, 3858851.99	0.00503	0.005	7.64E-04	7.92E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.01E-04	4.04E-04	1.98E-04	1.96E-04	3.94E-04	1.95E-04	1.94E-04	3.89E-04
1672	495011.06, 3858851.99	0.00498	0.00495	7.57E-04	7.84E-04	7.13E-04	7.30E-04	6.89E-04	2.00E-04	1.99E-04	4.00E-04	1.96E-04	1.94E-04	3.90E-04	1.93E-04	1.92E-04	3.85E-04
1673	495061.06, 3858851.99	0.00493	0.0049	7.49E-04	7.76E-04	7.06E-04	7.23E-04	6.82E-04	1.98E-04	1.97E-04	3.96E-04	1.94E-04	1.92E-04	3.86E-04	1.91E-04	1.90E-04	3.81E-04
1674	495111.06, 3858851.99	0.00485	0.00482	7.37E-04	7.63E-04	6.94E-04	7.11E-04	6.71E-04	1.95E-04	1.94E-04	3.89E-04	1.90E-04	1.89E-04	3.80E-04	1.88E-04	1.87E-04	3.75E-04
1675	495161.06, 3858851.99	0.0048	0.00477	7.29E-04	7.55E-04	6.87E-04	7.04E-04	6.64E-04	1.93E-04	1.92E-04	3.85E-04	1.88E-04	1.87E-04	3.76E-04	1.86E-04	1.85E-04	3.71E-04
1676	495211.06, 3858851.99	0.00479	0.00476	7.28E-04	7.54E-04	6.86E-04	7.02E-04	6.62E-04	1.93E-04	1.92E-04	3.84E-04	1.88E-04	1.87E-04	3.75E-04	1.86E-04	1.84E-04	3.70E-04
1677	495261.06, 3858851.99	0.00477	0.00474	7.25E-04	7.50E-04	6.83E-04	6.99E-04	6.60E-04	1.92E-04	1.91E-04	3.83E-04	1.87E-04	1.86E-04	3.73E-04	1.85E-04	1.84E-04	3.68E-04
1678	495311.06, 3858851.99	0.00475	0.00472	7.22E-04	7.47E-04	6.80E-04	6.96E-04	6.57E-04	1.91E-04	1.90E-04	3.81E-04	1.87E-04	1.85E-04	3.72E-04	1.84E-04	1.83E-04	3.67E-04
1679	495361.06, 3858851.99	0.00473	0.0047	7.19E-04	7.44E-04	6.77E-04	6.94E-04	6.54E-04	1.90E-04	1.89E-04	3.79E-04	1.86E-04	1.85E-04	3.70E-04	1.83E-04	1.82E-04	3.65E-04
1680	495411.06, 3858851.99	0.00471	0.00468	7.16E-04	7.41E-04	6.74E-04	6.91E-04	6.51E-04	1.90E-04	1.88E-04	3.78E-04	1.85E-04	1.84E-04	3.69E-04	1.83E-04	1.81E-04	3.64E-04
1681	495461.06, 3858851.99	0.00469	0.00467	7.13E-04	7.39E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	1.88E-04	3.77E-04	1.84E-04	1.83E-04	3.68E-04	1.82E-04	1.81E-04	3.63E-04
1682	495511.06, 3858851.99	0.00466	0.00464	7.08E-04	7.35E-04	6.67E-04	6.83E-04	6.45E-04	1.88E-04	1.87E-04	3.74E-04	1.83E-04	1.82E-04	3.65E-04	1.81E-04	1.80E-04	3.60E-04
1683	495561.06, 3858851.99	0.00463	0.0046	7.04E-04	7.28E-04	6.63E-04	6.79E-04	6.40E-04	1.86E-04	1.85E-04	3.71E-04	1.82E-04	1.81E-04	3.62E-04	1.79E-04	1.78E-04	3.58E-04
1684	495611.06, 3858851.99	0.00459	0.00457	6.97E-04	7.24E-04	6.57E-04	6.73E-04	6.35E-04	1.85E-04	1.84E-04	3.69E-04	1.80E-04	1.79E-04	3.60E-04	1.78E-04	1.77E-04	3.55E-04
1685	495661.06, 3858851.99	0.00457	0.00455	6.94E-04	7.20E-04	6.54E-04	6.70E-04	6.32E-04	1.84E-04	1.83E-04	3.67E-04	1.79E-04	1.79E-04	3.58E-04	1.77E-04	1.76E-04	3.53E-04
1686	494311.06, 3858901.99	0.00575	0.0057	8.74E-04	9.02E-04	8.23E-04	8.43E-04	7.95E-04	2.31E-04	2.29E-04	4.61E-04	2.26E-04	2.24E-04	4.50E-04	2.23E-04	2.21E-04	4.44E-04
1687	494361.06, 3858901.99	0.00579	0.00575	8.80E-04	9.10E-04	8.29E-04	8.49E-04	8.01E-04	2.33E-04	2.31E-04	4.64E-04	2.27E-04	2.26E-04	4.53E-04	2.24E-04	2.23E-04	4.47E-04
1688	494411.06, 3858901.99	0.00577	0.00573	8.77E-04	9.07E-04	8.26E-04	8.46E-04	7.98E-04	2.32E-04	2.31E-04	4.63E-04	2.27E-04	2.25E-04	4.52E-04	2.24E-04	2.22E-04	4.46E-04
1689	494461.06, 3858901.99	0.00578	0.00574	8.78E-04	9.09E-04	8.27E-04	8.48E-04	7.99E-04	2.33E-04	2.31E-04	4.64E-04	2.27E-04	2.25E-04	4.52E-04	2.24E-04	2.22E-04	4.46E-04
1690	494511.06, 3858901.99	0.00575	0.00571	8.74E-04	9.04E-04	8.23E-04	8.43E-04	7.95E-04	2.31E-04	2.30E-04	4.61E-04	2.26E-04	2.24E-04	4.50E-04	2.23E-04	2.21E-04	4.44E-04
1691	494561.06, 3858901.99	0.00569	0.00565	8.65E-04	8.95E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.27E-04	4.56E-04	2.23E-04	2.22E-04	4.45E-04	2.20E-04	2.19E-04	4.39E-04
1692	494611.06, 3858901.99	0.0056	0.00557	8.51E-04	8.82E-04	8.02E-04	8.21E-04	7.75E-04	2.25E-04	2.24E-04	4.50E-04	2.20E-04	2.19E-04	4.39E-04	2.17E-04	2.16E-04	4.33E-04
1693	494661.06, 3858901.99	0.00555	0.00551	8.43E-04	8.72E-04	7.95E-04	8.14E-04	7.68E-04	2.23E-04	2.22E-04	4.45E-04	2.18E-04	2.16E-04	4.34E-04	2.15E-04	2.14E-04	4.29E-04
1694	494711.06, 3858901.99	0.00547	0.00543	8.31E-04	8.60E-04	7.83E-04	8.02E-04	7.57E-04	2.20E-04	2.19E-04	4.39E-04	2.15E-04	2.13E-04	4.28E-04	2.12E-04	2.10E-04	4.22E-04
1695	494761.06, 3858901.99	0.00538	0.00534	8.18E-04	8.45E-04	7.70E-04	7.89E-04	7.44E-04	2.17E-04	2.15E-04	4.31E-04	2.11E-04	2.10E-04	4.21E-04	2.08E-04	2.07E-04	4.15E-04
1696	494811.06, 3858901.99	0.00532	0.00528	8.08E-04	8.36E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.12E-04	4.27E-04	2.09E-04	2.07E-04	4.16E-04	2.06E-04	2.05E-04	4.11E-04
1697	494861.06, 3858901.99	0.00527	0.00524	8.01E-04	8.30E-04	7.54E-04	7.73E-04	7.29E-04	2.12E-04	2.11E-04	4.23E-04	2.07E-04	2.06E-04	4.13E-04	2.04E-04	2.03E-04	4.07E-04
1698	494911.06, 3858901.99	0.00518	0.00515	7.87E-04	8.15E-04	7.42E-04	7.60E-04	7.16E-04	2.08E-04	2.07E-04	4.16E-04	2.03E-04	2.02E-04	4.06E-04	2.01E-04	2.00E-04	4.00E-04
1699	494961.06, 3858901.99	0.00513	0.0051	7.80E-04	8.07E-04	7.34E-04	7.52E-04	7.10E-04	2.06E-04	2.05E-04	4.12E-04	2.01E-04	2.00E-04	4.02E-04	1.99E-04	1.98E-04	3.96E-04
1700	495011.06, 3858901.99	0.00508	0.00505	7.72E-04	8.00E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.03E-04	4.08E-04	1.99E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1701	495061.06, 3858901.99	0.00501	0.00498	7.61E-04	7.88E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	2.00E-04	4.02E-04	1.97E-04	1.96E-04	3.92E-04	1.94E-04	1.93E-04	3.87E-04
1702	495111.06, 3858901.99	0.00493	0.0049	7.49E-04	7.76E-04	7.06E-04	7.23E-04	6.82E-04	1.98E-04	1.97E-04	3.96E-04	1.94E-04	1.92E-04	3.86E-04	1.91E-04	1.90E-04	3.81E-04
1703	495161.06, 3858901.99	0.00489	0.00486	7.43E-04	7.69E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	1.96E-04	3.92E-04	1.92E-04	1.91E-04	3.83E-04	1.89E-04	1.88E-04	3.78E-04
1704	495211.06, 3858901.99	0.00489	0.00486	7.43E-04	7.69E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	1.96E-04	3.92E-04	1.92E-04	1.91E-04	3.83E-04	1.89E-04	1.88E-04	3.78E-04
1705	495261.06, 3858901.99	0.00487	0.00484	7.40E-04	7.66E-04	6.97E-04	7.14E-04	6.74E-04	1.96E-04	1.95E-04	3.91E-04	1.91E-04	1.90E-04	3.81E-04	1.89E-04	1.88E-04	3.76E-04
1706	495311.06, 3858901.99	0.00484	0.00482	7.35E-04	7.63E-04	6.93E-04	7.10E-04	6.69E-04	1.95E-04	1.94E-04	3.89E-04	1.90E-04	1.89E-04	3.79E-04	1.88E-04	1.87E-04	3.74E-04
1707	495361.06, 3858901.99	0.00482	0.0048	7.32E-04	7.60E-04	6.90E-04	7.07E-04	6.67E-04	1.94E-04	1.93E-04	3.87E-04	1.89E-04	1.88E-04	3.78E-04	1.87E-04	1.86E-04	3.73E-04
1708	495411.06, 3858901.99	0.00481	0.00478	7.31E-04	7.57E-04	6.89E-04	7.05E-04	6.65E-04	1.94E-04	1.92E-04	3.86E-04	1.89E-04	1.88E-04	3.77E-04	1.86E-04	1.85E-04	3.72E-04
1709	495461.06, 3858901.99	0.00478	0.00476	7.26E-04	7.54E-04	6.84E-04	7.01E-04	6.61E-04	1.92E-04	1.92E-04	3.84E-04	1.88E-04	1.87E-04	3.75E-04	1.85E-04	1.84E-04	3.70E-04
1710	495511.06, 3858901.99	0.00475	0.00472	7.22E-04	7.47E-04	6.80E-04	6.96E-04	6.57E-04	1.91E-04	1.90E-04	3.81E-04	1.87E-04	1.85E-04	3.72E-04	1.84E-04	1.83E-04	3.67E-04
1711	495561.06, 3858901.99	0.00472	0.00469	7.17E-04	7.43E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.89E-04	3.79E-04	1.85E-04	1.84E-04	3.70E-04	1.83E-04	1.82E-04	3.65E-04
1712	495611.06, 3858901.99	0.00468	0.00466	7.11E-04	7.38E-04	6.70E-04	6.86E-04	6.47E-04	1.88E-04	1.88E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.81E-04	1.81E-04	3.62E-04

1713 495661.06, 3858901.99	0.00467	0.00464	7.10E-04	7.35E-04	6.69E-04	6.85E-04	6.46E-04	1.88E-04	1.87E-04	3.75E-04	1.83E-04	1.82E-04	3.66E-04	1.81E-04	1.80E-04	3.61E-04
1714 494311.06, 3858951.99	0.00597	0.00592	9.07E-04	9.37E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.38E-04	4.78E-04	2.34E-04	2.32E-04	4.67E-04	2.31E-04	2.29E-04	4.61E-04
1715 494361.06, 3858951.99	0.00597	0.00592	9.07E-04	9.37E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.38E-04	4.78E-04	2.34E-04	2.32E-04	4.67E-04	2.31E-04	2.29E-04	4.61E-04
1716 494411.06, 3858951.99	0.00592	0.00587	9.00E-04	9.29E-04	8.48E-04	8.68E-04	8.19E-04	2.38E-04	2.36E-04	4.74E-04	2.32E-04	2.31E-04	4.63E-04	2.29E-04	2.27E-04	4.57E-04
1717 494461.06, 3858951.99	0.00593	0.00588	9.01E-04	9.31E-04	8.49E-04	8.70E-04	8.20E-04	2.39E-04	2.37E-04	4.75E-04	2.33E-04	2.31E-04	4.64E-04	2.30E-04	2.28E-04	4.58E-04
1718 494511.06, 3858951.99	0.00589	0.00584	8.95E-04	9.25E-04	8.43E-04	8.64E-04	8.15E-04	2.37E-04	2.35E-04	4.72E-04	2.31E-04	2.29E-04	4.61E-04	2.28E-04	2.26E-04	4.55E-04
1719 494561.06, 3858951.99	0.00583	0.00578	8.86E-04	9.15E-04	8.35E-04	8.55E-04	8.06E-04	2.35E-04	2.33E-04	4.67E-04	2.29E-04	2.27E-04	4.56E-04	2.26E-04	2.24E-04	4.50E-04
1720 494611.06, 3858951.99	0.00575	0.00571	8.74E-04	9.04E-04	8.23E-04	8.43E-04	7.95E-04	2.31E-04	2.30E-04	4.61E-04	2.26E-04	2.24E-04	4.50E-04	2.23E-04	2.21E-04	4.44E-04
1721 494661.06, 3858951.99	0.00567	0.00564	8.62E-04	8.93E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.19E-04	4.38E-04
1722 494711.06, 3858951.99	0.00558	0.00554	8.48E-04	8.77E-04	7.99E-04	8.18E-04	7.72E-04	2.25E-04	2.23E-04	4.48E-04	2.19E-04	2.18E-04	4.37E-04	2.16E-04	2.15E-04	4.31E-04
1723 494761.06, 3858951.99	0.0055	0.00547	8.36E-04	8.66E-04	7.87E-04	8.06E-04	7.61E-04	2.21E-04	2.20E-04	4.41E-04	2.16E-04	2.15E-04	4.31E-04	2.13E-04	2.12E-04	4.25E-04
1724 494811.06, 3858951.99	0.00545	0.00541	8.28E-04	8.57E-04	7.80E-04	7.99E-04	7.54E-04	2.19E-04	2.18E-04	4.37E-04	2.14E-04	2.12E-04	4.26E-04	2.11E-04	2.10E-04	4.21E-04
1725 494861.06, 3858951.99	0.00539	0.00536	8.19E-04	8.49E-04	7.72E-04	7.90E-04	7.45E-04	2.17E-04	2.16E-04	4.33E-04	2.12E-04	2.10E-04	4.22E-04	2.09E-04	2.08E-04	4.17E-04
1726 494911.06, 3858951.99	0.00532	0.00529	8.08E-04	8.38E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.13E-04	4.27E-04	2.09E-04	2.08E-04	4.17E-04	2.06E-04	2.05E-04	4.11E-04
1727 494961.06, 3858951.99	0.00527	0.00524	8.01E-04	8.30E-04	7.54E-04	7.73E-04	7.29E-04	2.12E-04	2.11E-04	4.23E-04	2.07E-04	2.06E-04	4.13E-04	2.04E-04	2.03E-04	4.07E-04
1728 495011.06, 3858951.99	0.00517	0.00515	7.86E-04	8.15E-04	7.40E-04	7.58E-04	7.15E-04	2.08E-04	2.07E-04	4.15E-04	2.03E-04	2.02E-04	4.05E-04	2.00E-04	2.00E-04	4.00E-04
1729 495061.06, 3858951.99	0.00508	0.00505	7.72E-04	8.00E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.03E-04	4.08E-04	1.99E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1730 495111.06, 3858951.99	0.00501	0.00498	7.61E-04	7.88E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	2.00E-04	4.02E-04	1.97E-04	1.96E-04	3.92E-04	1.94E-04	1.93E-04	3.87E-04
1731 495161.06, 3858951.99	0.00502	0.00499	7.63E-04	7.90E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	2.01E-04	4.03E-04	1.97E-04	1.96E-04	3.93E-04	1.95E-04	1.93E-04	3.88E-04
1732 495211.06, 3858951.99	0.005	0.00497	7.60E-04	7.87E-04	7.16E-04	7.33E-04	6.92E-04	2.01E-04	2.00E-04	4.01E-04	1.96E-04	1.95E-04	3.92E-04	1.94E-04	1.93E-04	3.86E-04
1733 495261.06, 3858951.99	0.00497	0.00495	7.55E-04	7.84E-04	7.12E-04	7.29E-04	6.87E-04	2.00E-04	1.99E-04	3.99E-04	1.95E-04	1.94E-04	3.90E-04	1.93E-04	1.92E-04	3.84E-04
1734 495311.06, 3858951.99	0.00493	0.00491	7.49E-04	7.77E-04	7.06E-04	7.23E-04	6.82E-04	1.98E-04	1.98E-04	3.96E-04	1.94E-04	1.93E-04	3.86E-04	1.91E-04	1.90E-04	3.81E-04
1735 495361.06, 3858951.99	0.00492	0.00489	7.48E-04	7.74E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.97E-04	3.95E-04	1.93E-04	1.92E-04	3.85E-04	1.91E-04	1.89E-04	3.80E-04
1736 495411.06, 3858951.99	0.0049	0.00488	7.45E-04	7.73E-04	7.01E-04	7.18E-04	6.78E-04	1.97E-04	1.96E-04	3.94E-04	1.92E-04	1.92E-04	3.84E-04	1.90E-04	1.89E-04	3.79E-04
1737 495461.06, 3858951.99	0.00488	0.00486	7.42E-04	7.69E-04	6.99E-04	7.16E-04	6.75E-04	1.96E-04	1.96E-04	3.92E-04	1.92E-04	1.91E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
1738 495511.06, 3858951.99	0.00486	0.00484	7.38E-04	7.66E-04	6.96E-04	7.13E-04	6.72E-04	1.96E-04	1.95E-04	3.90E-04	1.91E-04	1.90E-04	3.81E-04	1.88E-04	1.88E-04	3.76E-04
1739 495561.06, 3858951.99	0.00481	0.00479	7.31E-04	7.58E-04	6.89E-04	7.05E-04	6.65E-04	1.94E-04	1.93E-04	3.86E-04	1.89E-04	1.88E-04	3.77E-04	1.86E-04	1.86E-04	3.72E-04
1740 495611.06, 3858951.99	0.00477	0.00475	7.25E-04	7.52E-04	6.83E-04	6.99E-04	6.60E-04	1.92E-04	1.91E-04	3.83E-04	1.87E-04	1.87E-04	3.74E-04	1.85E-04	1.84E-04	3.69E-04
1741 495661.06, 3858951.99	0.00476	0.00474	7.23E-04	7.50E-04	6.81E-04	6.98E-04	6.58E-04	1.92E-04	1.91E-04	3.82E-04	1.87E-04	1.86E-04	3.73E-04	1.84E-04	1.84E-04	3.68E-04
1742 494311.06, 3859001.99	0.00617	0.00611	9.38E-04	9.67E-04	8.83E-04	9.05E-04	8.53E-04	2.48E-04	2.46E-04	4.94E-04	2.42E-04	2.40E-04	4.82E-04	2.39E-04	2.37E-04	4.76E-04
1743 494361.06, 3859001.99	0.00614	0.00608	9.33E-04	9.63E-04	8.79E-04	9.00E-04	8.49E-04	2.47E-04	2.45E-04	4.92E-04	2.41E-04	2.39E-04	4.80E-04	2.38E-04	2.36E-04	4.74E-04
1744 494411.06, 3859001.99	0.00613	0.00607	9.31E-04	9.61E-04	8.78E-04	8.99E-04	8.48E-04	2.47E-04	2.44E-04	4.91E-04	2.41E-04	2.38E-04	4.79E-04	2.38E-04	2.35E-04	4.73E-04
1745 494461.06, 3859001.99	0.00609	0.00603	9.25E-04	9.55E-04	8.72E-04	8.93E-04	8.42E-04	2.45E-04	2.43E-04	4.88E-04	2.39E-04	2.37E-04	4.76E-04	2.36E-04	2.34E-04	4.70E-04
1746 494511.06, 3859001.99	0.00604	0.00599	9.18E-04	9.48E-04	8.65E-04	8.86E-04	8.35E-04	2.43E-04	2.41E-04	4.84E-04	2.37E-04	2.35E-04	4.72E-04	2.34E-04	2.32E-04	4.66E-04
1747 494561.06, 3859001.99	0.00596	0.00591	9.06E-04	9.36E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.38E-04	4.78E-04	2.34E-04	2.32E-04	4.66E-04	2.31E-04	2.29E-04	4.60E-04
1748 494611.06, 3859001.99	0.00589	0.00584	8.95E-04	9.25E-04	8.43E-04	8.64E-04	8.15E-04	2.37E-04	2.35E-04	4.72E-04	2.31E-04	2.29E-04	4.61E-04	2.28E-04	2.26E-04	4.55E-04
1749 494661.06, 3859001.99	0.0058	0.00576	8.81E-04	9.12E-04	8.30E-04	8.50E-04	8.02E-04	2.33E-04	2.32E-04	4.65E-04	2.28E-04	2.26E-04	4.54E-04	2.25E-04	2.23E-04	4.48E-04
1750 494711.06, 3859001.99	0.0057	0.00566	8.66E-04	8.96E-04	8.16E-04	8.36E-04	7.88E-04	2.29E-04	2.28E-04	4.57E-04	2.24E-04	2.22E-04	4.46E-04	2.21E-04	2.19E-04	4.40E-04
1751 494761.06, 3859001.99	0.00564	0.0056	8.57E-04	8.87E-04	8.07E-04	8.27E-04	7.80E-04	2.27E-04	2.25E-04	4.52E-04	2.21E-04	2.20E-04	4.41E-04	2.19E-04	2.17E-04	4.36E-04
1752 494811.06, 3859001.99	0.00559	0.00555	8.49E-04	8.79E-04	8.00E-04	8.20E-04	7.73E-04	2.25E-04	2.23E-04	4.48E-04	2.20E-04	2.18E-04	4.37E-04	2.17E-04	2.15E-04	4.32E-04
1753 494861.06, 3859001.99	0.00552	0.00548	8.39E-04	8.68E-04	7.90E-04	8.09E-04	7.63E-04	2.22E-04	2.21E-04	4.43E-04	2.17E-04	2.15E-04	4.32E-04	2.14E-04	2.12E-04	4.26E-04
1754 494911.06, 3859001.99	0.00545	0.00541	8.28E-04	8.57E-04	7.80E-04	7.99E-04	7.54E-04	2.19E-04	2.18E-04	4.37E-04	2.14E-04	2.12E-04	4.26E-04	2.11E-04	2.10E-04	4.21E-04
1755 494961.06, 3859001.99	0.00537	0.00534	8.16E-04	8.45E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.15E-04	4.31E-04	2.11E-04	2.10E-04	4.21E-04	2.08E-04	2.07E-04	4.15E-04
1756 495011.06, 3859001.99	0.00522	0.00519	7.93E-04	8.22E-04	7.47E-04	7.65E-04	7.22E-04	2.10E-04	2.09E-04	4.19E-04	2.05E-04	2.04E-04	4.09E-04	2.02E-04	2.01E-04	4.03E-04
1757 495061.06, 3859001.99	0.00518	0.00515	7.87E-04	8.15E-04	7.42E-04	7.60E-04	7.16E-04	2.08E-04	2.07E-04	4.16E-04	2.03E-04	2.02E-04	4.06E-04	2.01E-04	2.00E-04	4.00E-04
1758 495111.06, 3859001.99	0.00511	0.00508	7.76E-04	8.04E-04	7.32E-04	7.49E-04	7.07E-04	2.06E-04	2.04E-04	4.10E-04	2.01E-04	1.99E-04	4.00E-04	1.98E-04	1.97E-04	3.95E-04
1759 495161.06, 3859001.99	0.00513	0.0051	7.80E-04	8.07E-04	7.34E-04	7.52E-04	7.10E-04	2.06E-04	2.05E-04	4.12E-04	2.01E-04	2.00E-04	4.02E-04	1.99E-04	1.98E-04	3.96E-04
1760 495211.06, 3859001.99	0.0051	0.00507	7.75E-04	8.03E-04	7.30E-04	7.48E-04	7.05E-04	2.05E-04	2.04E-04	4.09E-04	2.00E-04	1.99E-04	3.99E-04	1.98E-04	1.96E-04	3.94E-04
1761 495261.06, 3859001.99	0.00508	0.00506	7.72E-04	8.01E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.04E-04	4.08E-04	1.99E-04	1.99E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1762 495311.06, 3859001.99	0.00505	0.00503	7.67E-04	7.96E-04	7.23E-04	7.40E-04	6.98E-04	2.03E-04	2.02E-04	4.06E-04	1.98E-04	1.98E-04	3.96E-04	1.96E-04	1.95E-04	3.91E-04
1763 495361.06, 3859001.99	0.00503	0.00501	7.64E-04	7.93E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.02E-04	4.04E-04	1.98E-04	1.97E-04	3.94E-04	1.95E-04	1.94E-04	3.89E-04
1764 495411.06, 3859001.99	0.00501	0.00498	7.61E-04	7.88E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	2.00E-04	4.02E-04	1.97E-04	1.96E-04	3.92E-04	1.94E-04	1.93E-04	3.87E-04
1765 495461.06, 3859001.99	0.00499	0.00496	7.58E-04	7.85E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	2.00E-04	4.00E-04	1.96E-04	1.95E-04	3.91E-04	1.93E-04	1.92E-04	3.86E-04
1766 495511.06, 3859001.99	0.00494	0.00492	7.51E-04	7.79E-04	7.07E-04	7.24E-04	6.83E-04	1.99E-04	1.98E-04	3.97E-04	1.94E-04	1.93E-04	3.87E-04	1.91E-04	1.91E-04	3.82E-04
1767 495561.06, 3859001.99	0.00491	0.00489	7.46E-04	7.74E-04	7.03E-04	7.20E-04	6.79E-04	1.98E-04	1.97E-04	3.94E-04	1.93E-04	1.92E-04	3.85E-04	1.90E-04	1.89E-04	3.80E-04
1768 495611.06, 3859001.99	0.00487	0.00485	7.40E-04	7.68E-04	6.97E-04	7.14E-04	6.74E-04	1.96E-04	1.95E-04	3.91E-04	1.91E-04	1.90E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
1769 495661.06, 3859001.99	0.00487	0.00485	7.40E-04	7.68E-04	6.97E-04	7.14E-04	6.74E-04	1.96E-04	1.95E-04	3.91E-04	1.91E-04	1.90E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
1770 494311.06, 3859051.99	0.00636	0.00628	9.66E-04	9.94E-04	9.10E-04	9.33E-04	8.80E-04	2.56E-04	2.53E-04	5.09E-04	2.50E-04	2.47E-04	4.96E-04	2.46E-04	2.43E-04	4.90E-04
1771 494361.06, 3859051.99	0.00636	0.00629	9.66E-04	9.96E-04	9.10E-04	9.33E-04	8.80E-04	2.56E-04	2.53E-04	5.09E-04	2.50E-04	2.47E-04	4.97E-04	2.46E-04	2.44E-04	4.90E-04
1772 494411.06, 3859051.99	0.0063	0.00623	9.57E-04	9.86E-04	9.02E-04	9.24E-04	8.71E-04	2.54E-04	2.51E-04	5.04E-04	2.47E-04	2.45E-04	4.92E-04	2.44E-04	2.41E-04	4.86E-04
1773 494461.06, 3859051.99	0.00624	0.00617	9.48E-04	9.77E-04	8.93E-04	9.15E-04	8.63E-04	2.51E-04	2.48E-04	4.99E-04	2.45E-04	2.42E-04	4.87E-04	2.42E-04	2.39E-04	4.81E-04
1774 494511.06, 3859051.99	0.00617	0.0061	9.38E-04	9.66E-04	8.83E-04	9.05E-04	8.53E-04	2.48E-04	2.45E-04	4.94E-04	2.42E-04	2.40E-04	4.82E-04	2.39E-04	2.36E-04	4.75E-04
1775 494561.06, 3859051.99	0.0061	0.00604	9.27E-04	9.56E-04	8.73E-04	8.94E-04	8.44E-04	2.45E-04	2.43E-04	4.89E-04	2.40E-04	2.37E-04	4.77E-04	2.36E-04	2.34E-04	4.70E-04
1776 494611.06, 3859051.99	0.00602	0.00597	9.15E-04	9.45E-04	8.62E-04	8.83E-04	8.33E-04	2.42E-04	2.40E-04	4.83E-04	2.36E-04	2.34E-04	4.71E-04	2.33E-04	2.31E-04	4.65E-04
1777 494661.06, 3859051.99	0.00593	0.00588	9.01E-04	9.31E-04	8.49E-04	8.70E-04	8.20E-04	2.39E-04	2.37E-04	4.75E-04	2.33E-04	2.31E-04	4.64E-04	2.30E-04	2.28E-04	4.58E-04
1778 494711.06, 3859051.99	0.00585	0.00581	8.89E-04	9.20E-04	8.37E-04	8.58E-04	8.09E-04	2.35E-04	2.34E-04	4.69E-04	2.30E-04	2.28E-04	4.58E-04	2.27E-04	2.25E-04	4.52E-04

1779 494761.06, 3859051.99	0.00577	0.00573	8.77E-04	9.07E-04	8.26E-04	8.46E-04	7.98E-04	2.32E-04	2.31E-04	4.63E-04	2.27E-04	2.25E-04	4.52E-04	2.24E-04	2.22E-04	4.46E-04
1780 494811.06, 3859051.99	0.00571	0.00567	8.68E-04	8.98E-04	8.17E-04	8.37E-04	7.90E-04	2.30E-04	2.28E-04	4.58E-04	2.24E-04	2.23E-04	4.47E-04	2.21E-04	2.20E-04	4.41E-04
1781 494861.06, 3859051.99	0.00565	0.00561	8.59E-04	8.88E-04	8.09E-04	8.28E-04	7.81E-04	2.27E-04	2.26E-04	4.53E-04	2.22E-04	2.20E-04	4.42E-04	2.19E-04	2.17E-04	4.36E-04
1782 494911.06, 3859051.99	0.00556	0.00553	8.45E-04	8.76E-04	7.96E-04	8.15E-04	7.69E-04	2.24E-04	2.23E-04	4.46E-04	2.18E-04	2.17E-04	4.36E-04	2.15E-04	2.14E-04	4.30E-04
1783 494961.06, 3859051.99	0.00545	0.00542	8.28E-04	8.58E-04	7.80E-04	7.99E-04	7.54E-04	2.19E-04	2.18E-04	4.37E-04	2.14E-04	2.13E-04	4.27E-04	2.11E-04	2.10E-04	4.21E-04
1784 495011.06, 3859051.99	0.00536	0.00533	8.14E-04	8.44E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.14E-04	4.30E-04	2.10E-04	2.09E-04	4.20E-04	2.08E-04	2.07E-04	4.14E-04
1785 495061.06, 3859051.99	0.0053	0.00527	8.05E-04	8.34E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	2.12E-04	4.25E-04	2.08E-04	2.07E-04	4.15E-04	2.05E-04	2.04E-04	4.10E-04
1786 495111.06, 3859051.99	0.00525	0.00523	7.98E-04	8.28E-04	7.52E-04	7.70E-04	7.26E-04	2.11E-04	2.10E-04	4.22E-04	2.06E-04	2.05E-04	4.12E-04	2.03E-04	2.03E-04	4.06E-04
1787 495161.06, 3859051.99	0.00525	0.00523	7.98E-04	8.28E-04	7.52E-04	7.70E-04	7.26E-04	2.11E-04	2.10E-04	4.22E-04	2.06E-04	2.05E-04	4.12E-04	2.03E-04	2.03E-04	4.06E-04
1788 495211.06, 3859051.99	0.00521	0.00518	7.92E-04	8.20E-04	7.46E-04	7.64E-04	7.21E-04	2.10E-04	2.08E-04	4.18E-04	2.05E-04	2.03E-04	4.08E-04	2.02E-04	2.01E-04	4.03E-04
1789 495261.06, 3859051.99	0.0052	0.00517	7.90E-04	8.19E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.08E-04	4.17E-04	2.04E-04	2.03E-04	4.07E-04	2.01E-04	2.00E-04	4.02E-04
1790 495311.06, 3859051.99	0.00516	0.00514	7.84E-04	8.14E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.07E-04	4.15E-04	2.03E-04	2.02E-04	4.04E-04	2.00E-04	1.99E-04	3.99E-04
1791 495361.06, 3859051.99	0.00514	0.00511	7.81E-04	8.09E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	2.06E-04	4.12E-04	2.02E-04	2.01E-04	4.03E-04	1.99E-04	1.98E-04	3.97E-04
1792 495411.06, 3859051.99	0.00512	0.0051	7.78E-04	8.07E-04	7.33E-04	7.51E-04	7.08E-04	2.06E-04	2.05E-04	4.11E-04	2.01E-04	2.00E-04	4.01E-04	1.98E-04	1.98E-04	3.96E-04
1793 495461.06, 3859051.99	0.0051	0.00508	7.75E-04	8.04E-04	7.30E-04	7.48E-04	7.05E-04	2.05E-04	2.04E-04	4.10E-04	2.00E-04	1.99E-04	4.00E-04	1.98E-04	1.97E-04	3.94E-04
1794 495511.06, 3859051.99	0.00505	0.00503	7.67E-04	7.96E-04	7.23E-04	7.40E-04	6.98E-04	2.03E-04	2.02E-04	4.06E-04	1.98E-04	1.98E-04	3.96E-04	1.96E-04	1.95E-04	3.91E-04
1795 495561.06, 3859051.99	0.00501	0.00499	7.61E-04	7.90E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	2.01E-04	4.02E-04	1.97E-04	1.96E-04	3.93E-04	1.94E-04	1.93E-04	3.87E-04
1796 495611.06, 3859051.99	0.00497	0.00495	7.55E-04	7.84E-04	7.12E-04	7.29E-04	6.87E-04	2.00E-04	1.99E-04	3.99E-04	1.95E-04	1.94E-04	3.90E-04	1.93E-04	1.92E-04	3.84E-04
1797 495661.06, 3859051.99	0.00497	0.00495	7.55E-04	7.84E-04	7.12E-04	7.29E-04	6.87E-04	2.00E-04	1.99E-04	3.99E-04	1.95E-04	1.94E-04	3.90E-04	1.93E-04	1.92E-04	3.84E-04
1798 494311.06, 3859101.99	0.00659	0.0065	1.00E-03	1.03E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.62E-04	5.27E-04	2.59E-04	2.55E-04	5.14E-04	2.55E-04	2.52E-04	5.07E-04
1799 494361.06, 3859101.99	0.00653	0.00645	9.92E-04	1.02E-03	9.35E-04	9.57E-04	9.03E-04	2.63E-04	2.60E-04	5.22E-04	2.56E-04	2.53E-04	5.10E-04	2.53E-04	2.50E-04	5.03E-04
1800 494411.06, 3859101.99	0.00649	0.0064	9.86E-04	1.01E-03	9.29E-04	9.52E-04	8.98E-04	2.61E-04	2.58E-04	5.19E-04	2.55E-04	2.51E-04	5.06E-04	2.51E-04	2.48E-04	4.99E-04
1801 494461.06, 3859101.99	0.00642	0.00634	9.76E-04	1.00E-03	9.19E-04	9.41E-04	8.88E-04	2.58E-04	2.55E-04	5.14E-04	2.52E-04	2.49E-04	5.01E-04	2.49E-04	2.46E-04	4.94E-04
1802 494511.06, 3859101.99	0.00632	0.00625	9.60E-04	9.90E-04	9.05E-04	9.27E-04	8.74E-04	2.54E-04	2.52E-04	5.06E-04	2.48E-04	2.45E-04	4.94E-04	2.45E-04	2.42E-04	4.87E-04
1803 494561.06, 3859101.99	0.00625	0.00618	9.50E-04	9.78E-04	8.95E-04	9.16E-04	8.64E-04	2.52E-04	2.49E-04	5.00E-04	2.45E-04	2.43E-04	4.88E-04	2.42E-04	2.39E-04	4.82E-04
1804 494611.06, 3859101.99	0.00615	0.00609	9.35E-04	9.64E-04	8.80E-04	9.02E-04	8.51E-04	2.47E-04	2.45E-04	4.93E-04	2.42E-04	2.39E-04	4.81E-04	2.38E-04	2.36E-04	4.74E-04
1805 494661.06, 3859101.99	0.00608	0.00602	9.24E-04	9.53E-04	8.70E-04	8.91E-04	8.41E-04	2.45E-04	2.42E-04	4.87E-04	2.39E-04	2.36E-04	4.75E-04	2.36E-04	2.33E-04	4.69E-04
1806 494711.06, 3859101.99	0.00597	0.00592	9.07E-04	9.37E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.38E-04	4.78E-04	2.34E-04	2.32E-04	4.67E-04	2.31E-04	2.29E-04	4.61E-04
1807 494761.06, 3859101.99	0.00593	0.00588	9.01E-04	9.31E-04	8.49E-04	8.70E-04	8.20E-04	2.39E-04	2.37E-04	4.75E-04	2.33E-04	2.31E-04	4.64E-04	2.30E-04	2.28E-04	4.58E-04
1808 494811.06, 3859101.99	0.00585	0.00581	8.89E-04	9.20E-04	8.37E-04	8.58E-04	8.09E-04	2.35E-04	2.34E-04	4.69E-04	2.30E-04	2.28E-04	4.58E-04	2.27E-04	2.25E-04	4.52E-04
1809 494861.06, 3859101.99	0.00578	0.00574	8.78E-04	9.09E-04	8.27E-04	8.48E-04	7.99E-04	2.33E-04	2.31E-04	4.64E-04	2.27E-04	2.25E-04	4.52E-04	2.24E-04	2.22E-04	4.46E-04
1810 494911.06, 3859101.99	0.00569	0.00565	8.65E-04	8.95E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.27E-04	4.56E-04	2.23E-04	2.22E-04	4.45E-04	2.20E-04	2.19E-04	4.39E-04
1811 494961.06, 3859101.99	0.00557	0.00553	8.46E-04	8.76E-04	7.97E-04	8.17E-04	7.70E-04	2.24E-04	2.23E-04	4.47E-04	2.19E-04	2.17E-04	4.36E-04	2.16E-04	2.14E-04	4.30E-04
1812 495011.06, 3859101.99	0.00544	0.00541	8.27E-04	8.57E-04	7.79E-04	7.98E-04	7.52E-04	2.19E-04	2.18E-04	4.37E-04	2.14E-04	2.12E-04	4.26E-04	2.11E-04	2.10E-04	4.20E-04
1813 495061.06, 3859101.99	0.00542	0.00539	8.24E-04	8.53E-04	7.76E-04	7.95E-04	7.50E-04	2.18E-04	2.17E-04	4.35E-04	2.13E-04	2.12E-04	4.25E-04	2.10E-04	2.09E-04	4.19E-04
1814 495111.06, 3859101.99	0.00537	0.00534	8.16E-04	8.45E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.15E-04	4.31E-04	2.11E-04	2.10E-04	4.21E-04	2.08E-04	2.07E-04	4.15E-04
1815 495161.06, 3859101.99	0.00537	0.00534	8.16E-04	8.45E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.15E-04	4.31E-04	2.11E-04	2.10E-04	4.21E-04	2.08E-04	2.07E-04	4.15E-04
1816 495211.06, 3859101.99	0.00533	0.0053	8.10E-04	8.39E-04	7.63E-04	7.82E-04	7.37E-04	2.14E-04	2.13E-04	4.28E-04	2.09E-04	2.08E-04	4.17E-04	2.07E-04	2.05E-04	4.12E-04
1817 495261.06, 3859101.99	0.00531	0.00528	8.07E-04	8.36E-04	7.60E-04	7.79E-04	7.34E-04	2.14E-04	2.12E-04	4.26E-04	2.09E-04	2.07E-04	4.16E-04	2.06E-04	2.05E-04	4.10E-04
1818 495311.06, 3859101.99	0.00527	0.00525	8.01E-04	8.31E-04	7.54E-04	7.73E-04	7.29E-04	2.12E-04	2.11E-04	4.23E-04	2.07E-04	2.06E-04	4.13E-04	2.04E-04	2.03E-04	4.08E-04
1819 495361.06, 3859101.99	0.00527	0.00524	8.01E-04	8.30E-04	7.54E-04	7.73E-04	7.29E-04	2.12E-04	2.11E-04	4.23E-04	2.07E-04	2.06E-04	4.13E-04	2.04E-04	2.03E-04	4.07E-04
1820 495411.06, 3859101.99	0.00524	0.00522	7.96E-04	8.26E-04	7.50E-04	7.68E-04	7.25E-04	2.11E-04	2.10E-04	4.21E-04	2.06E-04	2.05E-04	4.11E-04	2.03E-04	2.02E-04	4.05E-04
1821 495461.06, 3859101.99	0.00519	0.00516	7.89E-04	8.17E-04	7.43E-04	7.61E-04	7.18E-04	2.09E-04	2.08E-04	4.17E-04	2.04E-04	2.03E-04	4.06E-04	2.01E-04	2.00E-04	4.01E-04
1822 495511.06, 3859101.99	0.00516	0.00514	7.84E-04	8.14E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.07E-04	4.15E-04	2.03E-04	2.02E-04	4.04E-04	2.00E-04	1.99E-04	3.99E-04
1823 495561.06, 3859101.99	0.00513	0.00511	7.80E-04	8.09E-04	7.34E-04	7.52E-04	7.10E-04	2.06E-04	2.06E-04	4.12E-04	2.01E-04	2.01E-04	4.02E-04	1.99E-04	1.98E-04	3.97E-04
1824 495611.06, 3859101.99	0.00509	0.00507	7.73E-04	8.03E-04	7.29E-04	7.46E-04	7.04E-04	2.05E-04	2.04E-04	4.09E-04	2.00E-04	1.99E-04	3.99E-04	1.97E-04	1.96E-04	3.94E-04
1825 495661.06, 3859101.99	0.00507	0.00505	7.70E-04	8.00E-04	7.26E-04	7.43E-04	7.01E-04	2.04E-04	2.03E-04	4.07E-04	1.99E-04	1.98E-04	3.97E-04	1.96E-04	1.96E-04	3.92E-04
1826 494311.06, 3859151.99	0.00678	0.00667	1.03E-03	1.06E-03	9.71E-04	9.94E-04	9.38E-04	2.73E-04	2.68E-04	5.41E-04	2.66E-04	2.62E-04	5.28E-04	2.63E-04	2.58E-04	5.21E-04
1827 494361.06, 3859151.99	0.00673	0.00663	1.02E-03	1.05E-03	9.63E-04	9.87E-04	9.31E-04	2.71E-04	2.67E-04	5.38E-04	2.64E-04	2.60E-04	5.25E-04	2.61E-04	2.57E-04	5.18E-04
1828 494411.06, 3859151.99	0.00665	0.00656	1.01E-03	1.04E-03	9.52E-04	9.75E-04	9.20E-04	2.68E-04	2.64E-04	5.32E-04	2.61E-04	2.58E-04	5.19E-04	2.58E-04	2.54E-04	5.12E-04
1829 494461.06, 3859151.99	0.00657	0.00648	9.98E-04	1.03E-03	9.41E-04	9.63E-04	9.09E-04	2.64E-04	2.61E-04	5.25E-04	2.58E-04	2.54E-04	5.12E-04	2.55E-04	2.51E-04	5.06E-04
1830 494511.06, 3859151.99	0.00647	0.00639	9.83E-04	1.01E-03	9.26E-04	9.49E-04	8.95E-04	2.60E-04	2.57E-04	5.18E-04	2.54E-04	2.51E-04	5.05E-04	2.51E-04	2.48E-04	4.98E-04
1831 494561.06, 3859151.99	0.0064	0.00632	9.72E-04	1.00E-03	9.16E-04	9.38E-04	8.85E-04	2.58E-04	2.54E-04	5.12E-04	2.51E-04	2.48E-04	5.00E-04	2.48E-04	2.45E-04	4.93E-04
1832 494611.06, 3859151.99	0.0063	0.00623	9.57E-04	9.86E-04	9.02E-04	9.24E-04	8.71E-04	2.54E-04	2.51E-04	5.04E-04	2.47E-04	2.45E-04	4.92E-04	2.44E-04	2.41E-04	4.86E-04
1833 494661.06, 3859151.99	0.00623	0.00617	9.47E-04	9.77E-04	8.92E-04	9.13E-04	8.62E-04	2.51E-04	2.48E-04	4.99E-04	2.45E-04	2.42E-04	4.87E-04	2.41E-04	2.39E-04	4.80E-04
1834 494711.06, 3859151.99	0.00617	0.00611	9.38E-04	9.67E-04	8.83E-04	9.05E-04	8.53E-04	2.48E-04	2.46E-04	4.94E-04	2.42E-04	2.40E-04	4.82E-04	2.39E-04	2.37E-04	4.76E-04
1835 494761.06, 3859151.99	0.00607	0.00601	9.22E-04	9.52E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.42E-04	4.86E-04	2.38E-04	2.36E-04	4.74E-04	2.35E-04	2.33E-04	4.68E-04
1836 494811.06, 3859151.99	0.00598	0.00593	9.09E-04	9.39E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.39E-04	4.79E-04	2.35E-04	2.33E-04	4.68E-04	2.32E-04	2.30E-04	4.61E-04
1837 494861.06, 3859151.99	0.00591	0.00587	8.98E-04	9.29E-04	8.46E-04	8.67E-04	8.17E-04	2.38E-04	2.36E-04	4.74E-04	2.32E-04	2.31E-04	4.63E-04	2.29E-04	2.27E-04	4.56E-04
1838 494911.06, 3859151.99	0.00581	0.00577	8.83E-04	9.14E-04	8.32E-04	8.52E-04	8.04E-04	2.34E-04	2.32E-04	4.66E-04	2.28E-04	2.27E-04	4.55E-04	2.25E-04	2.24E-04	4.49E-04
1839 494961.06, 3859151.99	0.00567	0.00564	8.62E-04	8.93E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.19E-04	4.38E-04
1840 495011.06, 3859151.99	0.00557	0.00553	8.46E-04	8.76E-04	7.97E-04	8.17E-04	7.70E-04	2.24E-04	2.23E-04	4.47E-04	2.19E-04	2.17E-04	4.36E-04	2.16E-04	2.14E-04	4.30E-04
1841 495061.06, 3859151.99	0.00554	0.0055	8.42E-04	8.71E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.21E-04	4.44E-04	2.18E-04	2.16E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
1842 495111.06, 3859151.99	0.0055	0.00547	8.36E-04	8.66E-04	7.87E-04	8.06E-04	7.61E-04	2.21E-04	2.20E-04	4.41E-04	2.16E-04	2.15E-04	4.31E-04	2.13E-04	2.12E-04	4.25E-04
1843 495161.06, 3859151.99	0.0055	0.00547	8.36E-04	8.66E-04	7.87E-04	8.06E-04	7.61E-04	2.21E-04	2.20E-04	4.41E-04	2.16E-04	2.15E-04	4.31E-04	2.13E-04	2.12E-04	4.25E-04
1844 495211.06, 3859151.99	0.00546	0.00543	8.30E-04	8.60E-04	7.82E-04	8.01E-04	7.55E-04	2.20E-04	2.19E-04	4.38E-04	2.14E-04	2.13E-04	4.28E-04	2.12E-04	2.10E-04	4.22E-04

1845 495261.06, 3859151.99	0.00543	0.0054	8.25E-04	8.55E-04	7.77E-04	7.96E-04	7.51E-04	2.19E-04	2.17E-04	4.36E-04	2.13E-04	2.12E-04	4.25E-04	2.10E-04	2.09E-04	4.20E-04
1846 495311.06, 3859151.99	0.0054	0.00537	8.21E-04	8.50E-04	7.73E-04	7.92E-04	7.47E-04	2.17E-04	2.16E-04	4.33E-04	2.12E-04	2.11E-04	4.23E-04	2.09E-04	2.08E-04	4.17E-04
1847 495361.06, 3859151.99	0.00537	0.00534	8.16E-04	8.45E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.15E-04	4.31E-04	2.11E-04	2.10E-04	4.21E-04	2.08E-04	2.07E-04	4.15E-04
1848 495411.06, 3859151.99	0.00537	0.00534	8.16E-04	8.45E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.15E-04	4.31E-04	2.11E-04	2.10E-04	4.21E-04	2.08E-04	2.07E-04	4.15E-04
1849 495461.06, 3859151.99	0.00534	0.00532	8.11E-04	8.42E-04	7.64E-04	7.83E-04	7.39E-04	2.15E-04	2.14E-04	4.29E-04	2.10E-04	2.09E-04	4.19E-04	2.07E-04	2.06E-04	4.13E-04
1850 495511.06, 3859151.99	0.00529	0.00527	8.04E-04	8.34E-04	7.57E-04	7.76E-04	7.32E-04	2.13E-04	2.12E-04	4.25E-04	2.08E-04	2.07E-04	4.15E-04	2.05E-04	2.04E-04	4.09E-04
1851 495561.06, 3859151.99	0.00525	0.00523	7.98E-04	8.28E-04	7.52E-04	7.70E-04	7.26E-04	2.11E-04	2.10E-04	4.22E-04	2.06E-04	2.05E-04	4.12E-04	2.03E-04	2.03E-04	4.06E-04
1852 495611.06, 3859151.99	0.00521	0.00519	7.92E-04	8.22E-04	7.46E-04	7.64E-04	7.21E-04	2.10E-04	2.09E-04	4.19E-04	2.05E-04	2.04E-04	4.08E-04	2.02E-04	2.01E-04	4.03E-04
1853 495661.06, 3859151.99	0.00518	0.00516	7.87E-04	8.17E-04	7.42E-04	7.60E-04	7.16E-04	2.08E-04	2.08E-04	4.16E-04	2.03E-04	2.03E-04	4.06E-04	2.01E-04	2.00E-04	4.01E-04
1854 494311.06, 3859201.99	0.00698	0.00686	1.06E-03	1.09E-03	9.99E-04	1.02E-03	9.65E-04	2.81E-04	2.76E-04	5.57E-04	2.74E-04	2.69E-04	5.43E-04	2.70E-04	2.66E-04	5.36E-04
1855 494361.06, 3859201.99	0.00692	0.0068	1.05E-03	1.08E-03	9.91E-04	1.01E-03	9.57E-04	2.78E-04	2.74E-04	5.52E-04	2.72E-04	2.67E-04	5.39E-04	2.68E-04	2.63E-04	5.32E-04
1856 494411.06, 3859201.99	0.00684	0.00672	1.04E-03	1.06E-03	9.79E-04	1.00E-03	9.46E-04	2.75E-04	2.70E-04	5.46E-04	2.69E-04	2.64E-04	5.32E-04	2.65E-04	2.60E-04	5.25E-04
1857 494461.06, 3859201.99	0.00673	0.00663	1.02E-03	1.05E-03	9.63E-04	9.87E-04	9.31E-04	2.71E-04	2.67E-04	5.38E-04	2.64E-04	2.60E-04	5.25E-04	2.61E-04	2.57E-04	5.18E-04
1858 494511.06, 3859201.99	0.00665	0.00656	1.01E-03	1.04E-03	9.52E-04	9.75E-04	9.20E-04	2.68E-04	2.64E-04	5.32E-04	2.61E-04	2.58E-04	5.19E-04	2.58E-04	2.54E-04	5.12E-04
1859 494561.06, 3859201.99	0.00655	0.00646	9.95E-04	1.02E-03	9.38E-04	9.60E-04	9.06E-04	2.64E-04	2.60E-04	5.24E-04	2.57E-04	2.54E-04	5.11E-04	2.54E-04	2.50E-04	5.04E-04
1860 494611.06, 3859201.99	0.00646	0.00638	9.82E-04	1.01E-03	9.25E-04	9.47E-04	8.93E-04	2.60E-04	2.57E-04	5.17E-04	2.54E-04	2.51E-04	5.04E-04	2.50E-04	2.47E-04	4.98E-04
1861 494661.06, 3859201.99	0.00639	0.00631	9.71E-04	9.99E-04	9.15E-04	9.37E-04	8.84E-04	2.57E-04	2.54E-04	5.11E-04	2.51E-04	2.48E-04	4.99E-04	2.48E-04	2.45E-04	4.92E-04
1862 494711.06, 3859201.99	0.00631	0.00624	9.59E-04	9.88E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	2.51E-04	5.05E-04	2.48E-04	2.45E-04	4.93E-04	2.45E-04	2.42E-04	4.86E-04
1863 494761.06, 3859201.99	0.00621	0.00615	9.44E-04	9.74E-04	8.89E-04	9.11E-04	8.59E-04	2.50E-04	2.47E-04	4.97E-04	2.44E-04	2.42E-04	4.85E-04	2.41E-04	2.38E-04	4.79E-04
1864 494811.06, 3859201.99	0.00612	0.00606	9.30E-04	9.59E-04	8.76E-04	8.97E-04	8.46E-04	2.46E-04	2.44E-04	4.90E-04	2.40E-04	2.38E-04	4.78E-04	2.37E-04	2.35E-04	4.72E-04
1865 494861.06, 3859201.99	0.00601	0.00596	9.13E-04	9.44E-04	8.60E-04	8.81E-04	8.31E-04	2.42E-04	2.40E-04	4.82E-04	2.36E-04	2.34E-04	4.70E-04	2.33E-04	2.31E-04	4.64E-04
1866 494911.06, 3859201.99	0.00591	0.00587	8.98E-04	9.29E-04	8.46E-04	8.67E-04	8.17E-04	2.38E-04	2.36E-04	4.74E-04	2.32E-04	2.31E-04	4.63E-04	2.29E-04	2.27E-04	4.56E-04
1867 494961.06, 3859201.99	0.0058	0.00575	8.81E-04	9.10E-04	8.30E-04	8.50E-04	8.02E-04	2.33E-04	2.31E-04	4.65E-04	2.28E-04	2.26E-04	4.54E-04	2.25E-04	2.23E-04	4.48E-04
1868 495011.06, 3859201.99	0.00565	0.00562	8.59E-04	8.90E-04	8.09E-04	8.28E-04	7.81E-04	2.27E-04	2.26E-04	4.54E-04	2.22E-04	2.21E-04	4.43E-04	2.19E-04	2.18E-04	4.37E-04
1869 495061.06, 3859201.99	0.00568	0.00564	8.63E-04	8.93E-04	8.13E-04	8.33E-04	7.86E-04	2.29E-04	2.27E-04	4.56E-04	2.23E-04	2.21E-04	4.45E-04	2.20E-04	2.19E-04	4.39E-04
1870 495111.06, 3859201.99	0.00565	0.00562	8.59E-04	8.90E-04	8.09E-04	8.28E-04	7.81E-04	2.27E-04	2.26E-04	4.54E-04	2.22E-04	2.21E-04	4.43E-04	2.19E-04	2.18E-04	4.37E-04
1871 495161.06, 3859201.99	0.00562	0.00559	8.54E-04	8.85E-04	8.05E-04	8.24E-04	7.77E-04	2.26E-04	2.25E-04	4.51E-04	2.21E-04	2.20E-04	4.40E-04	2.18E-04	2.17E-04	4.34E-04
1872 495211.06, 3859201.99	0.00558	0.00554	8.48E-04	8.77E-04	7.99E-04	8.18E-04	7.72E-04	2.25E-04	2.23E-04	4.48E-04	2.19E-04	2.18E-04	4.37E-04	2.16E-04	2.15E-04	4.31E-04
1873 495261.06, 3859201.99	0.00556	0.00552	8.45E-04	8.74E-04	7.96E-04	8.15E-04	7.69E-04	2.24E-04	2.22E-04	4.46E-04	2.18E-04	2.17E-04	4.35E-04	2.15E-04	2.14E-04	4.29E-04
1874 495311.06, 3859201.99	0.00553	0.0055	8.40E-04	8.71E-04	7.92E-04	8.11E-04	7.65E-04	2.23E-04	2.21E-04	4.44E-04	2.17E-04	2.16E-04	4.33E-04	2.14E-04	2.13E-04	4.27E-04
1875 495361.06, 3859201.99	0.0055	0.00547	8.36E-04	8.66E-04	7.87E-04	8.06E-04	7.61E-04	2.21E-04	2.20E-04	4.41E-04	2.16E-04	2.15E-04	4.31E-04	2.13E-04	2.12E-04	4.25E-04
1876 495411.06, 3859201.99	0.00549	0.00546	8.34E-04	8.64E-04	7.86E-04	8.05E-04	7.59E-04	2.21E-04	2.20E-04	4.41E-04	2.16E-04	2.14E-04	4.30E-04	2.13E-04	2.12E-04	4.24E-04
1877 495461.06, 3859201.99	0.00546	0.00543	8.30E-04	8.60E-04	7.82E-04	8.01E-04	7.55E-04	2.20E-04	2.19E-04	4.38E-04	2.14E-04	2.13E-04	4.28E-04	2.12E-04	2.10E-04	4.22E-04
1878 495511.06, 3859201.99	0.00542	0.0054	8.24E-04	8.55E-04	7.76E-04	7.95E-04	7.50E-04	2.18E-04	2.17E-04	4.35E-04	2.13E-04	2.12E-04	4.25E-04	2.10E-04	2.09E-04	4.19E-04
1879 495561.06, 3859201.99	0.00537	0.00534	8.16E-04	8.45E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.15E-04	4.31E-04	2.11E-04	2.10E-04	4.21E-04	2.08E-04	2.07E-04	4.15E-04
1880 495611.06, 3859201.99	0.00532	0.0053	8.08E-04	8.39E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.13E-04	4.27E-04	2.09E-04	2.08E-04	4.17E-04	2.06E-04	2.05E-04	4.12E-04
1881 495661.06, 3859201.99	0.00529	0.00527	8.04E-04	8.34E-04	7.57E-04	7.76E-04	7.32E-04	2.13E-04	2.12E-04	4.25E-04	2.08E-04	2.07E-04	4.15E-04	2.05E-04	2.04E-04	4.09E-04
1882 494311.06, 3859251.99	0.00718	0.00704	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.93E-04	2.89E-04	2.83E-04	5.72E-04	2.82E-04	2.76E-04	5.58E-04	2.78E-04	2.73E-04	5.51E-04
1883 494361.06, 3859251.99	0.00709	0.00696	1.08E-03	1.10E-03	1.02E-03	1.04E-03	9.81E-04	2.85E-04	2.80E-04	5.65E-04	2.78E-04	2.73E-04	5.52E-04	2.75E-04	2.70E-04	5.44E-04
1884 494411.06, 3859251.99	0.00698	0.00686	1.06E-03	1.09E-03	9.99E-04	1.02E-03	9.65E-04	2.81E-04	2.76E-04	5.57E-04	2.74E-04	2.69E-04	5.43E-04	2.70E-04	2.66E-04	5.36E-04
1885 494461.06, 3859251.99	0.0069	0.00679	1.05E-03	1.08E-03	9.88E-04	1.01E-03	9.54E-04	2.78E-04	2.73E-04	5.51E-04	2.71E-04	2.67E-04	5.38E-04	2.67E-04	2.63E-04	5.30E-04
1886 494511.06, 3859251.99	0.00678	0.00667	1.03E-03	1.06E-03	9.71E-04	9.94E-04	9.38E-04	2.73E-04	2.68E-04	5.41E-04	2.66E-04	2.62E-04	5.28E-04	2.63E-04	2.58E-04	5.21E-04
1887 494561.06, 3859251.99	0.0067	0.0066	1.02E-03	1.04E-03	9.59E-04	9.82E-04	9.27E-04	2.70E-04	2.66E-04	5.35E-04	2.63E-04	2.59E-04	5.22E-04	2.60E-04	2.56E-04	5.15E-04
1888 494611.06, 3859251.99	0.0066	0.00651	1.00E-03	1.03E-03	9.45E-04	9.68E-04	9.13E-04	2.66E-04	2.62E-04	5.28E-04	2.59E-04	2.56E-04	5.15E-04	2.56E-04	2.52E-04	5.08E-04
1889 494661.06, 3859251.99	0.00654	0.00645	9.94E-04	1.02E-03	9.36E-04	9.59E-04	9.05E-04	2.63E-04	2.60E-04	5.23E-04	2.57E-04	2.53E-04	5.10E-04	2.53E-04	2.50E-04	5.03E-04
1890 494711.06, 3859251.99	0.00646	0.00638	9.82E-04	1.01E-03	9.25E-04	9.47E-04	8.93E-04	2.60E-04	2.57E-04	5.17E-04	2.54E-04	2.51E-04	5.04E-04	2.50E-04	2.47E-04	4.98E-04
1891 494761.06, 3859251.99	0.00629	0.00622	9.56E-04	9.85E-04	9.00E-04	9.22E-04	8.70E-04	2.53E-04	2.50E-04	5.03E-04	2.47E-04	2.44E-04	4.91E-04	2.44E-04	2.41E-04	4.85E-04
1892 494811.06, 3859251.99	0.00627	0.0062	9.53E-04	9.82E-04	8.98E-04	9.19E-04	8.67E-04	2.52E-04	2.50E-04	5.02E-04	2.46E-04	2.43E-04	4.90E-04	2.43E-04	2.40E-04	4.83E-04
1893 494861.06, 3859251.99	0.00611	0.00605	9.28E-04	9.58E-04	8.75E-04	8.96E-04	8.45E-04	2.46E-04	2.43E-04	4.89E-04	2.40E-04	2.38E-04	4.78E-04	2.37E-04	2.34E-04	4.71E-04
1894 494911.06, 3859251.99	0.00602	0.00596	9.15E-04	9.44E-04	8.62E-04	8.83E-04	8.33E-04	2.42E-04	2.40E-04	4.82E-04	2.36E-04	2.34E-04	4.70E-04	2.33E-04	2.31E-04	4.64E-04
1895 494961.06, 3859251.99	0.00594	0.00589	9.03E-04	9.33E-04	8.50E-04	8.71E-04	8.22E-04	2.39E-04	2.37E-04	4.76E-04	2.33E-04	2.31E-04	4.65E-04	2.30E-04	2.28E-04	4.58E-04
1896 495011.06, 3859251.99	0.00586	0.00582	8.90E-04	9.21E-04	8.39E-04	8.59E-04	8.10E-04	2.36E-04	2.34E-04	4.70E-04	2.30E-04	2.29E-04	4.59E-04	2.27E-04	2.26E-04	4.53E-04
1897 495061.06, 3859251.99	0.00584	0.0058	8.87E-04	9.18E-04	8.36E-04	8.56E-04	8.08E-04	2.35E-04	2.33E-04	4.68E-04	2.29E-04	2.28E-04	4.57E-04	2.26E-04	2.25E-04	4.51E-04
1898 495111.06, 3859251.99	0.0058	0.00576	8.81E-04	9.12E-04	8.30E-04	8.50E-04	8.02E-04	2.33E-04	2.32E-04	4.65E-04	2.28E-04	2.26E-04	4.54E-04	2.25E-04	2.23E-04	4.48E-04
1899 495161.06, 3859251.99	0.00577	0.00572	8.77E-04	9.06E-04	8.26E-04	8.46E-04	7.98E-04	2.32E-04	2.30E-04	4.62E-04	2.27E-04	2.25E-04	4.51E-04	2.24E-04	2.22E-04	4.45E-04
1900 495211.06, 3859251.99	0.00572	0.00568	8.69E-04	8.99E-04	8.19E-04	8.39E-04	7.91E-04	2.30E-04	2.29E-04	4.59E-04	2.25E-04	2.23E-04	4.48E-04	2.22E-04	2.20E-04	4.42E-04
1901 495261.06, 3859251.99	0.00567	0.00564	8.62E-04	8.93E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.19E-04	4.38E-04
1902 495311.06, 3859251.99	0.00567	0.00563	8.62E-04	8.91E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.18E-04	4.38E-04
1903 495361.06, 3859251.99	0.00563	0.0056	8.55E-04	8.87E-04	8.06E-04	8.26E-04	7.79E-04	2.27E-04	2.25E-04	4.52E-04	2.21E-04	2.20E-04	4.41E-04	2.18E-04	2.17E-04	4.35E-04
1904 495411.06, 3859251.99	0.00562	0.00559	8.54E-04	8.85E-04	8.05E-04	8.24E-04	7.77E-04	2.26E-04	2.25E-04	4.51E-04	2.21E-04	2.20E-04	4.40E-04	2.18E-04	2.17E-04	4.34E-04
1905 495461.06, 3859251.99	0.00559	0.00555	8.49E-04	8.79E-04	8.00E-04	8.20E-04	7.73E-04	2.25E-04	2.23E-04	4.48E-04	2.20E-04	2.18E-04	4.37E-04	2.17E-04	2.15E-04	4.32E-04
1906 495511.06, 3859251.99	0.00553	0.0055	8.40E-04	8.71E-04	7.92E-04	8.11E-04	7.65E-04	2.23E-04	2.21E-04	4.44E-04	2.17E-04	2.16E-04	4.33E-04	2.14E-04	2.13E-04	4.27E-04
1907 495561.06, 3859251.99	0.00549	0.00546	8.34E-04	8.64E-04	7.86E-04	8.05E-04	7.59E-04	2.21E-04	2.20E-04	4.41E-04	2.16E-04	2.14E-04	4.30E-04	2.13E-04	2.12E-04	4.24E-04
1908 495611.06, 3859251.99	0.00543	0.00541	8.25E-04	8.57E-04	7.77E-04	7.96E-04	7.51E-04	2.19E-04	2.18E-04	4.36E-04	2.13E-04	2.12E-04	4.26E-04	2.10E-04	2.10E-04	4.20E-04
1909 495661.06, 3859251.99	0.0054	0.00537	8.21E-04	8.50E-04	7.73E-04	7.92E-04	7.47E-04	2.17E-04	2.16E-04	4.33E-04	2.12E-04	2.11E-04	4.23E-04	2.09E-04	2.08E-04	4.17E-04
1910 494311.06, 3859301.99	0.00738	0.00723	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.88E-04	2.90E-04	2.84E-04	5.74E-04	2.86E-04	2.80E-04	5.66E-04

1911 494361.06, 3859301.99	0.00728	0.00714	1.11E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.87E-04	5.80E-04	2.86E-04	2.80E-04	5.66E-04	2.82E-04	2.77E-04	5.59E-04
1912 494411.06, 3859301.99	0.00717	0.00703	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.92E-04	2.89E-04	2.83E-04	5.71E-04	2.82E-04	2.76E-04	5.58E-04	2.78E-04	2.72E-04	5.50E-04
1913 494461.06, 3859301.99	0.00705	0.00693	1.07E-03	1.10E-03	1.01E-03	1.03E-03	9.75E-04	2.84E-04	2.79E-04	5.63E-04	2.77E-04	2.72E-04	5.49E-04	2.73E-04	2.69E-04	5.42E-04
1914 494511.06, 3859301.99	0.00695	0.00683	1.06E-03	1.08E-03	9.95E-04	1.02E-03	9.61E-04	2.80E-04	2.75E-04	5.55E-04	2.73E-04	2.68E-04	5.41E-04	2.69E-04	2.65E-04	5.34E-04
1915 494561.06, 3859301.99	0.00687	0.00676	1.04E-03	1.07E-03	9.84E-04	1.01E-03	9.50E-04	2.76E-04	2.72E-04	5.49E-04	2.70E-04	2.65E-04	5.35E-04	2.66E-04	2.62E-04	5.28E-04
1916 494611.06, 3859301.99	0.00678	0.00667	1.03E-03	1.06E-03	9.71E-04	9.94E-04	9.38E-04	2.73E-04	2.68E-04	5.41E-04	2.66E-04	2.62E-04	5.28E-04	2.63E-04	2.58E-04	5.21E-04
1917 494661.06, 3859301.99	0.00669	0.00659	1.02E-03	1.04E-03	9.58E-04	9.81E-04	9.25E-04	2.69E-04	2.65E-04	5.34E-04	2.63E-04	2.59E-04	5.22E-04	2.59E-04	2.55E-04	5.15E-04
1918 494711.06, 3859301.99	0.00659	0.0065	1.00E-03	1.03E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.62E-04	5.27E-04	2.59E-04	2.55E-04	5.14E-04	2.55E-04	2.52E-04	5.07E-04
1919 494761.06, 3859301.99	0.0065	0.00642	9.88E-04	1.02E-03	9.31E-04	9.53E-04	8.99E-04	2.62E-04	2.58E-04	5.20E-04	2.55E-04	2.52E-04	5.07E-04	2.52E-04	2.49E-04	5.01E-04
1920 494811.06, 3859301.99	0.00639	0.00631	9.71E-04	9.99E-04	9.15E-04	9.37E-04	8.84E-04	2.57E-04	2.54E-04	5.11E-04	2.51E-04	2.48E-04	4.99E-04	2.48E-04	2.45E-04	4.92E-04
1921 494861.06, 3859301.99	0.00625	0.00618	9.50E-04	9.78E-04	8.95E-04	9.16E-04	8.64E-04	2.52E-04	2.49E-04	5.00E-04	2.45E-04	2.43E-04	4.88E-04	2.42E-04	2.39E-04	4.82E-04
1922 494911.06, 3859301.99	0.00617	0.0061	9.38E-04	9.66E-04	8.83E-04	9.05E-04	8.53E-04	2.48E-04	2.45E-04	4.94E-04	2.42E-04	2.40E-04	4.82E-04	2.39E-04	2.36E-04	4.75E-04
1923 494961.06, 3859301.99	0.00603	0.00597	9.16E-04	9.45E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	2.40E-04	4.83E-04	2.37E-04	2.34E-04	4.71E-04	2.34E-04	2.31E-04	4.65E-04
1924 495011.06, 3859301.99	0.00596	0.00591	9.06E-04	9.36E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.38E-04	4.78E-04	2.34E-04	2.32E-04	4.66E-04	2.31E-04	2.29E-04	4.60E-04
1925 495061.06, 3859301.99	0.00598	0.00593	9.09E-04	9.39E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.39E-04	4.79E-04	2.35E-04	2.33E-04	4.68E-04	2.32E-04	2.30E-04	4.61E-04
1926 495111.06, 3859301.99	0.00591	0.00586	8.98E-04	9.28E-04	8.46E-04	8.67E-04	8.17E-04	2.38E-04	2.36E-04	4.74E-04	2.32E-04	2.30E-04	4.62E-04	2.29E-04	2.27E-04	4.56E-04
1927 495161.06, 3859301.99	0.00588	0.00584	8.93E-04	9.25E-04	8.42E-04	8.62E-04	8.13E-04	2.37E-04	2.35E-04	4.72E-04	2.31E-04	2.29E-04	4.60E-04	2.28E-04	2.26E-04	4.54E-04
1928 495211.06, 3859301.99	0.00587	0.00583	8.92E-04	9.23E-04	8.40E-04	8.61E-04	8.12E-04	2.36E-04	2.35E-04	4.71E-04	2.31E-04	2.29E-04	4.59E-04	2.27E-04	2.26E-04	4.53E-04
1929 495261.06, 3859301.99	0.00585	0.0058	8.89E-04	9.18E-04	8.37E-04	8.58E-04	8.09E-04	2.35E-04	2.33E-04	4.69E-04	2.30E-04	2.28E-04	4.57E-04	2.27E-04	2.25E-04	4.51E-04
1930 495311.06, 3859301.99	0.00579	0.00575	8.80E-04	9.10E-04	8.29E-04	8.49E-04	8.01E-04	2.33E-04	2.31E-04	4.64E-04	2.27E-04	2.26E-04	4.53E-04	2.24E-04	2.23E-04	4.47E-04
1931 495361.06, 3859301.99	0.00577	0.00573	8.77E-04	9.07E-04	8.26E-04	8.46E-04	7.98E-04	2.32E-04	2.31E-04	4.63E-04	2.27E-04	2.25E-04	4.52E-04	2.24E-04	2.22E-04	4.46E-04
1932 495411.06, 3859301.99	0.00574	0.0057	8.72E-04	9.02E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	2.29E-04	4.60E-04	2.25E-04	2.24E-04	4.49E-04	2.22E-04	2.21E-04	4.43E-04
1933 495461.06, 3859301.99	0.00571	0.00567	8.68E-04	8.98E-04	8.17E-04	8.37E-04	7.90E-04	2.30E-04	2.28E-04	4.58E-04	2.24E-04	2.23E-04	4.47E-04	2.21E-04	2.20E-04	4.41E-04
1934 495511.06, 3859301.99	0.00566	0.00562	8.60E-04	8.90E-04	8.10E-04	8.30E-04	7.83E-04	2.28E-04	2.26E-04	4.54E-04	2.22E-04	2.21E-04	4.43E-04	2.19E-04	2.18E-04	4.37E-04
1935 495561.06, 3859301.99	0.00559	0.00555	8.49E-04	8.79E-04	8.00E-04	8.20E-04	7.73E-04	2.25E-04	2.23E-04	4.48E-04	2.20E-04	2.18E-04	4.37E-04	2.17E-04	2.15E-04	4.32E-04
1936 495611.06, 3859301.99	0.00555	0.00551	8.43E-04	8.72E-04	7.95E-04	8.14E-04	7.68E-04	2.23E-04	2.22E-04	4.45E-04	2.18E-04	2.16E-04	4.34E-04	2.15E-04	2.14E-04	4.29E-04
1937 495661.06, 3859301.99	0.0055	0.00547	8.36E-04	8.66E-04	7.87E-04	8.06E-04	7.61E-04	2.21E-04	2.20E-04	4.41E-04	2.16E-04	2.15E-04	4.31E-04	2.13E-04	2.12E-04	4.25E-04
1938 494311.06, 3859351.99	0.00755	0.00739	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	2.97E-04	6.01E-04	2.96E-04	2.90E-04	5.87E-04	2.93E-04	2.86E-04	5.79E-04
1939 494361.06, 3859351.99	0.00745	0.0073	1.13E-03	1.16E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.94E-04	5.94E-04	2.93E-04	2.87E-04	5.79E-04	2.89E-04	2.83E-04	5.72E-04
1940 494411.06, 3859351.99	0.00733	0.00718	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.89E-04	5.84E-04	2.88E-04	2.82E-04	5.70E-04	2.84E-04	2.78E-04	5.62E-04
1941 494461.06, 3859351.99	0.00722	0.00707	1.10E-03	1.12E-03	1.03E-03	1.06E-03	9.99E-04	2.91E-04	2.85E-04	5.75E-04	2.84E-04	2.78E-04	5.61E-04	2.80E-04	2.74E-04	5.54E-04
1942 494511.06, 3859351.99	0.00711	0.00698	1.08E-03	1.11E-03	1.02E-03	1.04E-03	9.83E-04	2.86E-04	2.81E-04	5.67E-04	2.79E-04	2.74E-04	5.53E-04	2.76E-04	2.70E-04	5.46E-04
1943 494561.06, 3859351.99	0.00703	0.00691	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.72E-04	2.83E-04	2.78E-04	5.61E-04	2.76E-04	2.71E-04	5.47E-04	2.72E-04	2.68E-04	5.40E-04
1944 494611.06, 3859351.99	0.00695	0.00682	1.06E-03	1.08E-03	9.95E-04	1.02E-03	9.61E-04	2.80E-04	2.74E-04	5.54E-04	2.73E-04	2.68E-04	5.41E-04	2.69E-04	2.64E-04	5.34E-04
1945 494661.06, 3859351.99	0.00685	0.00674	1.04E-03	1.07E-03	9.81E-04	1.00E-03	9.47E-04	2.76E-04	2.71E-04	5.47E-04	2.69E-04	2.65E-04	5.34E-04	2.65E-04	2.61E-04	5.27E-04
1946 494711.06, 3859351.99	0.00674	0.00663	1.02E-03	1.05E-03	9.65E-04	9.88E-04	9.32E-04	2.71E-04	2.67E-04	5.38E-04	2.65E-04	2.60E-04	5.25E-04	2.61E-04	2.57E-04	5.18E-04
1947 494761.06, 3859351.99	0.00659	0.00649	1.00E-03	1.03E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.61E-04	5.26E-04	2.59E-04	2.55E-04	5.14E-04	2.55E-04	2.51E-04	5.07E-04
1948 494811.06, 3859351.99	0.00645	0.00637	9.80E-04	1.01E-03	9.23E-04	9.46E-04	8.92E-04	2.60E-04	2.56E-04	5.16E-04	2.53E-04	2.50E-04	5.03E-04	2.50E-04	2.47E-04	4.97E-04
1949 494861.06, 3859351.99	0.00638	0.0063	9.69E-04	9.97E-04	9.13E-04	9.35E-04	8.82E-04	2.57E-04	2.54E-04	5.10E-04	2.51E-04	2.47E-04	4.98E-04	2.47E-04	2.44E-04	4.91E-04
1950 494911.06, 3859351.99	0.00632	0.00625	9.60E-04	9.90E-04	9.05E-04	9.27E-04	8.74E-04	2.54E-04	2.52E-04	5.06E-04	2.48E-04	2.45E-04	4.94E-04	2.45E-04	2.42E-04	4.87E-04
1951 494961.06, 3859351.99	0.00624	0.00617	9.48E-04	9.77E-04	8.93E-04	9.15E-04	8.63E-04	2.51E-04	2.48E-04	4.99E-04	2.45E-04	2.42E-04	4.87E-04	2.42E-04	2.39E-04	4.81E-04
1952 495011.06, 3859351.99	0.00618	0.00612	9.39E-04	9.69E-04	8.85E-04	9.06E-04	8.55E-04	2.49E-04	2.46E-04	4.95E-04	2.43E-04	2.40E-04	4.83E-04	2.39E-04	2.37E-04	4.77E-04
1953 495061.06, 3859351.99	0.00618	0.00611	9.39E-04	9.67E-04	8.85E-04	9.06E-04	8.55E-04	2.49E-04	2.46E-04	4.95E-04	2.43E-04	2.40E-04	4.83E-04	2.39E-04	2.37E-04	4.76E-04
1954 495111.06, 3859351.99	0.00611	0.00605	9.28E-04	9.58E-04	8.75E-04	8.96E-04	8.45E-04	2.46E-04	2.43E-04	4.89E-04	2.40E-04	2.38E-04	4.78E-04	2.37E-04	2.34E-04	4.71E-04
1955 495161.06, 3859351.99	0.00607	0.00601	9.22E-04	9.52E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.42E-04	4.86E-04	2.38E-04	2.36E-04	4.74E-04	2.35E-04	2.33E-04	4.68E-04
1956 495211.06, 3859351.99	0.00603	0.00597	9.16E-04	9.45E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	2.40E-04	4.83E-04	2.37E-04	2.34E-04	4.71E-04	2.34E-04	2.31E-04	4.65E-04
1957 495261.06, 3859351.99	0.006	0.00594	9.12E-04	9.40E-04	8.59E-04	8.80E-04	8.30E-04	2.41E-04	2.39E-04	4.81E-04	2.36E-04	2.33E-04	4.69E-04	2.32E-04	2.30E-04	4.63E-04
1958 495311.06, 3859351.99	0.00594	0.00589	9.03E-04	9.33E-04	8.50E-04	8.71E-04	8.22E-04	2.39E-04	2.37E-04	4.76E-04	2.33E-04	2.31E-04	4.65E-04	2.30E-04	2.28E-04	4.58E-04
1959 495361.06, 3859351.99	0.0059	0.00585	8.97E-04	9.26E-04	8.45E-04	8.65E-04	8.16E-04	2.37E-04	2.35E-04	4.73E-04	2.32E-04	2.30E-04	4.61E-04	2.29E-04	2.27E-04	4.55E-04
1960 495411.06, 3859351.99	0.00587	0.00583	8.92E-04	9.23E-04	8.40E-04	8.61E-04	8.12E-04	2.36E-04	2.35E-04	4.71E-04	2.31E-04	2.29E-04	4.59E-04	2.27E-04	2.26E-04	4.53E-04
1961 495461.06, 3859351.99	0.00585	0.00581	8.89E-04	9.20E-04	8.37E-04	8.58E-04	8.09E-04	2.35E-04	2.34E-04	4.69E-04	2.30E-04	2.28E-04	4.58E-04	2.27E-04	2.25E-04	4.52E-04
1962 495511.06, 3859351.99	0.00578	0.00574	8.78E-04	9.09E-04	8.27E-04	8.48E-04	7.99E-04	2.33E-04	2.31E-04	4.64E-04	2.27E-04	2.25E-04	4.52E-04	2.24E-04	2.22E-04	4.46E-04
1963 495561.06, 3859351.99	0.00573	0.00569	8.71E-04	9.01E-04	8.20E-04	8.40E-04	7.92E-04	2.31E-04	2.29E-04	4.60E-04	2.25E-04	2.23E-04	4.48E-04	2.22E-04	2.20E-04	4.43E-04
1964 495611.06, 3859351.99	0.00569	0.00565	8.65E-04	8.95E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.27E-04	4.56E-04	2.23E-04	2.22E-04	4.45E-04	2.20E-04	2.19E-04	4.39E-04
1965 495661.06, 3859351.99	0.00562	0.00559	8.54E-04	8.85E-04	8.05E-04	8.24E-04	7.77E-04	2.26E-04	2.25E-04	4.51E-04	2.21E-04	2.20E-04	4.40E-04	2.18E-04	2.17E-04	4.34E-04
1966 494311.06, 3859401.99	0.00776	0.00758	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.05E-04	6.17E-04	3.05E-04	2.98E-04	6.02E-04	3.01E-04	2.94E-04	5.94E-04
1967 494361.06, 3859401.99	0.00762	0.00745	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.07E-04	3.00E-04	6.06E-04	2.99E-04	2.93E-04	5.92E-04	2.95E-04	2.89E-04	5.84E-04
1968 494411.06, 3859401.99	0.00749	0.00733	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.01E-04	2.95E-04	5.96E-04	2.94E-04	2.88E-04	5.82E-04	2.90E-04	2.84E-04	5.74E-04
1969 494461.06, 3859401.99	0.00738	0.00723	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.88E-04	2.90E-04	2.84E-04	5.74E-04	2.86E-04	2.80E-04	5.66E-04
1970 494511.06, 3859401.99	0.0073	0.00715	1.11E-03	1.13E-03	1.05E-03	1.07E-03	1.01E-03	2.94E-04	2.88E-04	5.82E-04	2.87E-04	2.81E-04	5.67E-04	2.83E-04	2.77E-04	5.60E-04
1971 494561.06, 3859401.99	0.00722	0.00707	1.10E-03	1.12E-03	1.03E-03	1.06E-03	9.99E-04	2.91E-04	2.85E-04	5.75E-04	2.84E-04	2.78E-04	5.61E-04	2.80E-04	2.74E-04	5.54E-04
1972 494611.06, 3859401.99	0.00711	0.00698	1.08E-03	1.11E-03	1.02E-03	1.04E-03	9.83E-04	2.86E-04	2.81E-04	5.67E-04	2.79E-04	2.74E-04	5.53E-04	2.76E-04	2.70E-04	5.46E-04
1973 494661.06, 3859401.99	0.00704	0.00691	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.74E-04	2.83E-04	2.78E-04	5.61E-04	2.76E-04	2.71E-04	5.48E-04	2.73E-04	2.68E-04	5.41E-04
1974 494711.06, 3859401.99	0.00694	0.00682	1.05E-03	1.08E-03	9.94E-04	1.02E-03	9.60E-04	2.79E-04	2.74E-04	5.54E-04	2.73E-04	2.68E-04	5.40E-04	2.69E-04	2.64E-04	5.33E-04
1975 494761.06, 3859401.99	0.00677	0.00666	1.03E-03	1.05E-03	9.69E-04	9.93E-04	9.36E-04	2.72E-04	2.68E-04	5.40E-04	2.66E-04	2.62E-04	5.27E-04	2.62E-04	2.58E-04	5.20E-04
1976 494811.06, 3859401.99	0.00668	0.00658	1.02E-03	1.04E-03	9.56E-04	9.79E-04	9.24E-04	2.69E-04	2.65E-04	5.34E-04	2.62E-04	2.58E-04	5.21E-04	2.59E-04	2.55E-04	5.14E-04

1977 494861.06, 3859401.99	0.00655	0.00646	9.95E-04	1.02E-03	9.38E-04	9.60E-04	9.06E-04	2.64E-04	2.60E-04	5.24E-04	2.57E-04	2.54E-04	5.11E-04	2.54E-04	2.50E-04	5.04E-04
1978 494911.06, 3859401.99	0.00645	0.00636	9.80E-04	1.01E-03	9.23E-04	9.46E-04	8.92E-04	2.60E-04	2.56E-04	5.16E-04	2.53E-04	2.50E-04	5.03E-04	2.50E-04	2.46E-04	4.96E-04
1979 494961.06, 3859401.99	0.00641	0.00632	9.74E-04	1.00E-03	9.18E-04	9.40E-04	8.87E-04	2.58E-04	2.54E-04	5.12E-04	2.52E-04	2.48E-04	5.00E-04	2.48E-04	2.45E-04	4.93E-04
1980 495011.06, 3859401.99	0.00636	0.00628	9.66E-04	9.94E-04	9.10E-04	9.33E-04	8.80E-04	2.56E-04	2.53E-04	5.09E-04	2.50E-04	2.47E-04	4.96E-04	2.46E-04	2.43E-04	4.90E-04
1981 495061.06, 3859401.99	0.0063	0.00623	9.57E-04	9.86E-04	9.02E-04	9.24E-04	8.71E-04	2.54E-04	2.51E-04	5.04E-04	2.47E-04	2.45E-04	4.92E-04	2.44E-04	2.41E-04	4.86E-04
1982 495111.06, 3859401.99	0.00623	0.00616	9.47E-04	9.75E-04	8.92E-04	9.13E-04	8.62E-04	2.51E-04	2.48E-04	4.99E-04	2.45E-04	2.42E-04	4.87E-04	2.41E-04	2.39E-04	4.80E-04
1983 495161.06, 3859401.99	0.00621	0.00615	9.44E-04	9.74E-04	8.89E-04	9.11E-04	8.59E-04	2.50E-04	2.47E-04	4.97E-04	2.44E-04	2.42E-04	4.85E-04	2.41E-04	2.38E-04	4.79E-04
1984 495211.06, 3859401.99	0.00619	0.00612	9.41E-04	9.69E-04	8.86E-04	9.08E-04	8.56E-04	2.49E-04	2.46E-04	4.95E-04	2.43E-04	2.40E-04	4.83E-04	2.40E-04	2.37E-04	4.77E-04
1985 495261.06, 3859401.99	0.00614	0.00608	9.33E-04	9.63E-04	8.79E-04	9.00E-04	8.49E-04	2.47E-04	2.45E-04	4.92E-04	2.41E-04	2.39E-04	4.80E-04	2.38E-04	2.36E-04	4.74E-04
1986 495311.06, 3859401.99	0.00609	0.00603	9.25E-04	9.55E-04	8.72E-04	8.93E-04	8.42E-04	2.45E-04	2.43E-04	4.88E-04	2.39E-04	2.37E-04	4.76E-04	2.36E-04	2.34E-04	4.70E-04
1987 495361.06, 3859401.99	0.00607	0.00601	9.22E-04	9.52E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.42E-04	4.86E-04	2.38E-04	2.36E-04	4.74E-04	2.35E-04	2.33E-04	4.68E-04
1988 495411.06, 3859401.99	0.00604	0.00598	9.18E-04	9.47E-04	8.65E-04	8.86E-04	8.35E-04	2.43E-04	2.41E-04	4.84E-04	2.37E-04	2.35E-04	4.72E-04	2.34E-04	2.32E-04	4.66E-04
1989 495461.06, 3859401.99	0.00598	0.00593	9.09E-04	9.39E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.39E-04	4.79E-04	2.35E-04	2.33E-04	4.68E-04	2.32E-04	2.30E-04	4.61E-04
1990 495511.06, 3859401.99	0.00591	0.00586	8.98E-04	9.28E-04	8.46E-04	8.67E-04	8.17E-04	2.38E-04	2.36E-04	4.74E-04	2.32E-04	2.30E-04	4.62E-04	2.29E-04	2.27E-04	4.56E-04
1991 495561.06, 3859401.99	0.00584	0.00579	8.87E-04	9.17E-04	8.36E-04	8.56E-04	8.08E-04	2.35E-04	2.33E-04	4.68E-04	2.29E-04	2.27E-04	4.57E-04	2.26E-04	2.24E-04	4.51E-04
1992 495611.06, 3859401.99	0.00579	0.00575	8.80E-04	9.10E-04	8.29E-04	8.49E-04	8.01E-04	2.33E-04	2.31E-04	4.64E-04	2.27E-04	2.26E-04	4.53E-04	2.24E-04	2.23E-04	4.47E-04
1993 495661.06, 3859401.99	0.00575	0.00571	8.74E-04	9.04E-04	8.23E-04	8.43E-04	7.95E-04	2.31E-04	2.30E-04	4.61E-04	2.26E-04	2.24E-04	4.50E-04	2.23E-04	2.21E-04	4.44E-04
1994 494311.06, 3859451.99	0.00792	0.00773	1.20E-03	1.22E-03	1.13E-03	1.16E-03	1.10E-03	3.19E-04	3.11E-04	6.30E-04	3.11E-04	3.04E-04	6.15E-04	3.07E-04	3.00E-04	6.06E-04
1995 494361.06, 3859451.99	0.00779	0.00761	1.18E-03	1.20E-03	1.12E-03	1.14E-03	1.08E-03	3.13E-04	3.06E-04	6.20E-04	3.06E-04	2.99E-04	6.05E-04	3.02E-04	2.95E-04	5.97E-04
1996 494411.06, 3859451.99	0.00762	0.00745	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.07E-04	3.00E-04	6.06E-04	2.99E-04	2.93E-04	5.92E-04	2.95E-04	2.89E-04	5.84E-04
1997 494461.06, 3859451.99	0.00755	0.00739	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	2.97E-04	6.01E-04	2.96E-04	2.90E-04	5.87E-04	2.93E-04	2.86E-04	5.79E-04
1998 494511.06, 3859451.99	0.00744	0.00729	1.13E-03	1.15E-03	1.07E-03	1.09E-03	1.03E-03	2.99E-04	2.93E-04	5.93E-04	2.92E-04	2.86E-04	5.78E-04	2.88E-04	2.82E-04	5.71E-04
1999 494561.06, 3859451.99	0.00736	0.00721	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	2.90E-04	5.86E-04	2.89E-04	2.83E-04	5.72E-04	2.85E-04	2.79E-04	5.65E-04
2000 494611.06, 3859451.99	0.0073	0.00715	1.11E-03	1.13E-03	1.05E-03	1.07E-03	1.01E-03	2.94E-04	2.88E-04	5.82E-04	2.87E-04	2.81E-04	5.67E-04	2.83E-04	2.77E-04	5.60E-04
2001 494661.06, 3859451.99	0.00719	0.00705	1.09E-03	1.12E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	2.84E-04	5.73E-04	2.82E-04	2.77E-04	5.59E-04	2.79E-04	2.73E-04	5.52E-04
2002 494711.06, 3859451.99	0.00709	0.00695	1.08E-03	1.10E-03	1.02E-03	1.04E-03	9.81E-04	2.85E-04	2.80E-04	5.65E-04	2.78E-04	2.73E-04	5.51E-04	2.75E-04	2.69E-04	5.44E-04
2003 494761.06, 3859451.99	0.00699	0.00687	1.06E-03	1.09E-03	1.00E-03	1.02E-03	9.67E-04	2.81E-04	2.76E-04	5.58E-04	2.74E-04	2.70E-04	5.44E-04	2.71E-04	2.66E-04	5.37E-04
2004 494811.06, 3859451.99	0.00687	0.00675	1.04E-03	1.07E-03	9.84E-04	1.01E-03	9.50E-04	2.76E-04	2.72E-04	5.48E-04	2.70E-04	2.65E-04	5.35E-04	2.66E-04	2.62E-04	5.28E-04
2005 494861.06, 3859451.99	0.00676	0.00665	1.03E-03	1.05E-03	9.68E-04	9.91E-04	9.35E-04	2.72E-04	2.68E-04	5.40E-04	2.65E-04	2.61E-04	5.27E-04	2.62E-04	2.58E-04	5.20E-04
2006 494911.06, 3859451.99	0.00667	0.00657	1.01E-03	1.04E-03	9.55E-04	9.78E-04	9.23E-04	2.68E-04	2.64E-04	5.33E-04	2.62E-04	2.58E-04	5.20E-04	2.58E-04	2.55E-04	5.13E-04
2007 494961.06, 3859451.99	0.00662	0.00652	1.01E-03	1.03E-03	9.48E-04	9.71E-04	9.16E-04	2.66E-04	2.62E-04	5.29E-04	2.60E-04	2.56E-04	5.16E-04	2.57E-04	2.53E-04	5.09E-04
2008 495011.06, 3859451.99	0.00655	0.00646	9.95E-04	1.02E-03	9.38E-04	9.60E-04	9.06E-04	2.64E-04	2.60E-04	5.24E-04	2.57E-04	2.54E-04	5.11E-04	2.54E-04	2.50E-04	5.04E-04
2009 495061.06, 3859451.99	0.00649	0.0064	9.86E-04	1.01E-03	9.29E-04	9.52E-04	8.98E-04	2.61E-04	2.58E-04	5.19E-04	2.55E-04	2.51E-04	5.06E-04	2.51E-04	2.48E-04	4.99E-04
2010 495111.06, 3859451.99	0.00642	0.00634	9.76E-04	1.00E-03	9.19E-04	9.41E-04	8.88E-04	2.58E-04	2.55E-04	5.14E-04	2.52E-04	2.49E-04	5.01E-04	2.49E-04	2.46E-04	4.94E-04
2011 495161.06, 3859451.99	0.00638	0.0063	9.69E-04	9.97E-04	9.13E-04	9.35E-04	8.82E-04	2.57E-04	2.54E-04	5.10E-04	2.51E-04	2.47E-04	4.98E-04	2.47E-04	2.44E-04	4.91E-04
2012 495211.06, 3859451.99	0.00635	0.00627	9.65E-04	9.93E-04	9.09E-04	9.31E-04	8.78E-04	2.56E-04	2.52E-04	5.08E-04	2.49E-04	2.46E-04	4.96E-04	2.46E-04	2.43E-04	4.89E-04
2013 495261.06, 3859451.99	0.00631	0.00624	9.59E-04	9.88E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	2.51E-04	5.05E-04	2.48E-04	2.45E-04	4.93E-04	2.45E-04	2.42E-04	4.86E-04
2014 495311.06, 3859451.99	0.00626	0.00619	9.51E-04	9.80E-04	8.96E-04	9.18E-04	8.66E-04	2.52E-04	2.49E-04	5.01E-04	2.46E-04	2.43E-04	4.89E-04	2.43E-04	2.40E-04	4.82E-04
2015 495361.06, 3859451.99	0.00622	0.00615	9.45E-04	9.74E-04	8.90E-04	9.12E-04	8.60E-04	2.50E-04	2.47E-04	4.98E-04	2.44E-04	2.42E-04	4.86E-04	2.41E-04	2.38E-04	4.79E-04
2016 495411.06, 3859451.99	0.00617	0.0061	9.38E-04	9.66E-04	8.83E-04	9.05E-04	8.53E-04	2.48E-04	2.45E-04	4.94E-04	2.42E-04	2.40E-04	4.82E-04	2.39E-04	2.36E-04	4.75E-04
2017 495461.06, 3859451.99	0.00612	0.00606	9.30E-04	9.59E-04	8.76E-04	8.97E-04	8.46E-04	2.46E-04	2.44E-04	4.90E-04	2.40E-04	2.38E-04	4.78E-04	2.37E-04	2.35E-04	4.72E-04
2018 495511.06, 3859451.99	0.00604	0.00598	9.18E-04	9.47E-04	8.65E-04	8.86E-04	8.35E-04	2.43E-04	2.41E-04	4.84E-04	2.37E-04	2.35E-04	4.72E-04	2.34E-04	2.32E-04	4.66E-04
2019 495561.06, 3859451.99	0.00599	0.00593	9.10E-04	9.39E-04	8.58E-04	8.78E-04	8.28E-04	2.41E-04	2.39E-04	4.80E-04	2.35E-04	2.33E-04	4.68E-04	2.32E-04	2.30E-04	4.62E-04
2020 495611.06, 3859451.99	0.00593	0.00588	9.01E-04	9.31E-04	8.49E-04	8.70E-04	8.20E-04	2.39E-04	2.37E-04	4.75E-04	2.33E-04	2.31E-04	4.64E-04	2.30E-04	2.28E-04	4.58E-04
2021 495661.06, 3859451.99	0.00588	0.00583	8.93E-04	9.23E-04	8.42E-04	8.62E-04	8.13E-04	2.37E-04	2.35E-04	4.71E-04	2.31E-04	2.29E-04	4.60E-04	2.28E-04	2.26E-04	4.54E-04
2022 494311.06, 3859501.99	0.0081	0.00791	1.23E-03	1.25E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.18E-04	6.44E-04	3.18E-04	3.11E-04	6.29E-04	3.14E-04	3.07E-04	6.20E-04
2023 494361.06, 3859501.99	0.00797	0.00778	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.13E-04	6.34E-04	3.13E-04	3.06E-04	6.18E-04	3.09E-04	3.01E-04	6.10E-04
2024 494411.06, 3859501.99	0.00775	0.00758	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.05E-04	6.17E-04	3.04E-04	2.98E-04	6.02E-04	3.00E-04	2.94E-04	5.94E-04
2025 494461.06, 3859501.99	0.00773	0.00756	1.17E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.04E-04	6.15E-04	3.04E-04	2.97E-04	6.00E-04	3.00E-04	2.93E-04	5.92E-04
2026 494511.06, 3859501.99	0.00761	0.00744	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.06E-04	2.99E-04	6.06E-04	2.99E-04	2.92E-04	5.91E-04	2.95E-04	2.88E-04	5.83E-04
2027 494561.06, 3859501.99	0.00751	0.00735	1.14E-03	1.16E-03	1.08E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.98E-04	2.95E-04	2.89E-04	5.84E-04	2.91E-04	2.85E-04	5.76E-04
2028 494611.06, 3859501.99	0.00749	0.00733	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.01E-04	2.95E-04	5.96E-04	2.94E-04	2.88E-04	5.82E-04	2.90E-04	2.84E-04	5.74E-04
2029 494661.06, 3859501.99	0.00737	0.00721	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.90E-04	5.87E-04	2.89E-04	2.83E-04	5.73E-04	2.86E-04	2.79E-04	5.65E-04
2030 494711.06, 3859501.99	0.00722	0.00708	1.10E-03	1.12E-03	1.03E-03	1.06E-03	9.99E-04	2.91E-04	2.85E-04	5.75E-04	2.84E-04	2.78E-04	5.62E-04	2.80E-04	2.74E-04	5.54E-04
2031 494761.06, 3859501.99	0.00718	0.00704	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.93E-04	2.89E-04	2.83E-04	5.72E-04	2.82E-04	2.76E-04	5.58E-04	2.78E-04	2.73E-04	5.51E-04
2032 494811.06, 3859501.99	0.00701	0.00688	1.07E-03	1.09E-03	1.00E-03	1.03E-03	9.70E-04	2.82E-04	2.77E-04	5.59E-04	2.75E-04	2.70E-04	5.45E-04	2.72E-04	2.67E-04	5.38E-04
2033 494861.06, 3859501.99	0.00693	0.00681	1.05E-03	1.08E-03	9.92E-04	1.02E-03	9.58E-04	2.79E-04	2.74E-04	5.53E-04	2.72E-04	2.67E-04	5.40E-04	2.69E-04	2.64E-04	5.32E-04
2034 494911.06, 3859501.99	0.00687	0.00676	1.04E-03	1.07E-03	9.84E-04	1.01E-03	9.50E-04	2.76E-04	2.72E-04	5.49E-04	2.70E-04	2.65E-04	5.35E-04	2.66E-04	2.62E-04	5.28E-04
2035 494961.06, 3859501.99	0.00678	0.00667	1.03E-03	1.06E-03	9.71E-04	9.94E-04	9.38E-04	2.73E-04	2.68E-04	5.41E-04	2.66E-04	2.62E-04	5.28E-04	2.63E-04	2.58E-04	5.21E-04
2036 495011.06, 3859501.99	0.00673	0.00662	1.02E-03	1.05E-03	9.63E-04	9.87E-04	9.31E-04	2.71E-04	2.66E-04	5.37E-04	2.64E-04	2.60E-04	5.24E-04	2.61E-04	2.57E-04	5.17E-04
2037 495061.06, 3859501.99	0.00668	0.00657	1.02E-03	1.04E-03	9.56E-04	9.79E-04	9.24E-04	2.69E-04	2.64E-04	5.33E-04	2.62E-04	2.58E-04	5.20E-04	2.59E-04	2.55E-04	5.13E-04
2038 495111.06, 3859501.99	0.00659	0.00649	1.00E-03	1.03E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.61E-04	5.26E-04	2.59E-04	2.55E-04	5.14E-04	2.55E-04	2.51E-04	5.07E-04
2039 495161.06, 3859501.99	0.00654	0.00645	9.94E-04	1.02E-03	9.36E-04	9.59E-04	9.05E-04	2.63E-04	2.60E-04	5.23E-04	2.57E-04	2.53E-04	5.10E-04	2.53E-04	2.50E-04	5.03E-04
2040 495211.06, 3859501.99	0.00651	0.00642	9.89E-04	1.02E-03	9.32E-04	9.55E-04	9.00E-04	2.62E-04	2.58E-04	5.20E-04	2.56E-04	2.52E-04	5.08E-04	2.52E-04	2.49E-04	5.01E-04
2041 495261.06, 3859501.99	0.00647	0.00638	9.83E-04	1.01E-03	9.26E-04	9.49E-04	8.95E-04	2.60E-04	2.57E-04	5.17E-04	2.54E-04	2.51E-04	5.05E-04	2.51E-04	2.47E-04	4.98E-04
2042 495311.06, 3859501.99	0.00643	0.00634	9.77E-04	1.00E-03	9.21E-04	9.43E-04	8.89E-04	2.59E-04	2.55E-04	5.14E-04	2.53E-04	2.49E-04	5.01E-04	2.49E-04	2.46E-04	4.95E-04

2043 495361.06, 3859501.99	0.00637	0.00629	9.68E-04	9.96E-04	9.12E-04	9.34E-04	8.81E-04	2.56E-04	2.53E-04	5.09E-04	2.50E-04	2.47E-04	4.97E-04	2.47E-04	2.44E-04	4.91E-04
2044 495411.06, 3859501.99	0.00633	0.00625	9.62E-04	9.90E-04	9.06E-04	9.28E-04	8.75E-04	2.55E-04	2.52E-04	5.06E-04	2.49E-04	2.45E-04	4.94E-04	2.45E-04	2.42E-04	4.87E-04
2045 495461.06, 3859501.99	0.00627	0.0062	9.53E-04	9.82E-04	8.98E-04	9.19E-04	8.67E-04	2.52E-04	2.50E-04	5.02E-04	2.46E-04	2.43E-04	4.90E-04	2.43E-04	2.40E-04	4.83E-04
2046 495511.06, 3859501.99	0.00616	0.00609	9.36E-04	9.64E-04	8.82E-04	9.03E-04	8.52E-04	2.48E-04	2.45E-04	4.93E-04	2.42E-04	2.39E-04	4.81E-04	2.39E-04	2.36E-04	4.75E-04
2047 495561.06, 3859501.99	0.00614	0.00607	9.33E-04	9.61E-04	8.79E-04	9.00E-04	8.49E-04	2.47E-04	2.44E-04	4.91E-04	2.41E-04	2.38E-04	4.79E-04	2.38E-04	2.35E-04	4.73E-04
2048 495611.06, 3859501.99	0.00608	0.00602	9.24E-04	9.53E-04	8.70E-04	8.91E-04	8.41E-04	2.45E-04	2.42E-04	4.87E-04	2.39E-04	2.36E-04	4.75E-04	2.36E-04	2.33E-04	4.69E-04
2049 495661.06, 3859501.99	0.00602	0.00596	9.15E-04	9.44E-04	8.62E-04	8.83E-04	8.33E-04	2.42E-04	2.40E-04	4.82E-04	2.36E-04	2.34E-04	4.70E-04	2.33E-04	2.31E-04	4.64E-04
2050 494311.06, 3859551.99	0.00828	0.00808	1.26E-03	1.28E-03	1.19E-03	1.21E-03	1.15E-03	3.33E-04	3.25E-04	6.58E-04	3.25E-04	3.17E-04	6.42E-04	3.21E-04	3.13E-04	6.34E-04
2051 494361.06, 3859551.99	0.00809	0.00789	1.23E-03	1.25E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.18E-04	6.43E-04	3.18E-04	3.10E-04	6.28E-04	3.13E-04	3.06E-04	6.19E-04
2052 494411.06, 3859551.99	0.00788	0.0077	1.20E-03	1.22E-03	1.13E-03	1.16E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.02E-04	6.12E-04	3.05E-04	2.98E-04	6.04E-04
2053 494461.06, 3859551.99	0.0079	0.00772	1.20E-03	1.22E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.11E-04	6.29E-04	3.10E-04	3.03E-04	6.13E-04	3.06E-04	2.99E-04	6.05E-04
2054 494511.06, 3859551.99	0.00778	0.00761	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.06E-04	6.19E-04	3.06E-04	2.99E-04	6.04E-04	3.01E-04	2.95E-04	5.96E-04
2055 494561.06, 3859551.99	0.00768	0.00751	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.02E-04	6.11E-04	3.02E-04	2.95E-04	5.97E-04	2.98E-04	2.91E-04	5.89E-04
2056 494611.06, 3859551.99	0.00762	0.00746	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.07E-04	3.00E-04	6.07E-04	2.99E-04	2.93E-04	5.92E-04	2.95E-04	2.89E-04	5.84E-04
2057 494661.06, 3859551.99	0.00754	0.00738	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.03E-04	2.97E-04	6.00E-04	2.96E-04	2.90E-04	5.86E-04	2.92E-04	2.86E-04	5.78E-04
2058 494711.06, 3859551.99	0.00733	0.00718	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.89E-04	5.84E-04	2.88E-04	2.82E-04	5.70E-04	2.84E-04	2.78E-04	5.62E-04
2059 494761.06, 3859551.99	0.00735	0.0072	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	2.90E-04	5.86E-04	2.89E-04	2.83E-04	5.71E-04	2.85E-04	2.79E-04	5.64E-04
2060 494811.06, 3859551.99	0.00719	0.00705	1.09E-03	1.12E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	2.84E-04	5.73E-04	2.82E-04	2.77E-04	5.59E-04	2.79E-04	2.73E-04	5.52E-04
2061 494861.06, 3859551.99	0.00712	0.00698	1.08E-03	1.11E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.81E-04	5.67E-04	2.80E-04	2.74E-04	5.54E-04	2.76E-04	2.70E-04	5.46E-04
2062 494911.06, 3859551.99	0.00703	0.0069	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.72E-04	2.83E-04	2.78E-04	5.61E-04	2.76E-04	2.71E-04	5.47E-04	2.72E-04	2.67E-04	5.40E-04
2063 494961.06, 3859551.99	0.00698	0.00685	1.06E-03	1.08E-03	9.99E-04	1.02E-03	9.65E-04	2.81E-04	2.76E-04	5.57E-04	2.74E-04	2.69E-04	5.43E-04	2.70E-04	2.65E-04	5.36E-04
2064 495011.06, 3859551.99	0.00693	0.00681	1.05E-03	1.08E-03	9.92E-04	1.02E-03	9.58E-04	2.79E-04	2.74E-04	5.53E-04	2.72E-04	2.67E-04	5.40E-04	2.69E-04	2.64E-04	5.32E-04
2065 495061.06, 3859551.99	0.00686	0.00674	1.04E-03	1.07E-03	9.82E-04	1.01E-03	9.49E-04	2.76E-04	2.71E-04	5.47E-04	2.69E-04	2.65E-04	5.34E-04	2.66E-04	2.61E-04	5.27E-04
2066 495111.06, 3859551.99	0.00678	0.00667	1.03E-03	1.06E-03	9.71E-04	9.94E-04	9.38E-04	2.73E-04	2.68E-04	5.41E-04	2.66E-04	2.62E-04	5.28E-04	2.63E-04	2.58E-04	5.21E-04
2067 495161.06, 3859551.99	0.00673	0.00663	1.02E-03	1.05E-03	9.63E-04	9.87E-04	9.31E-04	2.71E-04	2.67E-04	5.38E-04	2.64E-04	2.60E-04	5.25E-04	2.61E-04	2.57E-04	5.18E-04
2068 495211.06, 3859551.99	0.0067	0.0066	1.02E-03	1.04E-03	9.59E-04	9.82E-04	9.27E-04	2.70E-04	2.66E-04	5.35E-04	2.63E-04	2.59E-04	5.22E-04	2.60E-04	2.56E-04	5.15E-04
2069 495261.06, 3859551.99	0.00663	0.00653	1.01E-03	1.03E-03	9.49E-04	9.72E-04	9.17E-04	2.67E-04	2.63E-04	5.30E-04	2.60E-04	2.56E-04	5.17E-04	2.57E-04	2.53E-04	5.10E-04
2070 495311.06, 3859551.99	0.00658	0.00648	1.00E-03	1.03E-03	9.42E-04	9.65E-04	9.10E-04	2.65E-04	2.61E-04	5.26E-04	2.58E-04	2.54E-04	5.13E-04	2.55E-04	2.51E-04	5.06E-04
2071 495361.06, 3859551.99	0.00653	0.00644	9.92E-04	1.02E-03	9.35E-04	9.57E-04	9.03E-04	2.63E-04	2.59E-04	5.22E-04	2.56E-04	2.53E-04	5.09E-04	2.53E-04	2.50E-04	5.03E-04
2072 495411.06, 3859551.99	0.00649	0.0064	9.86E-04	1.01E-03	9.29E-04	9.52E-04	8.98E-04	2.61E-04	2.58E-04	5.19E-04	2.55E-04	2.51E-04	5.06E-04	2.51E-04	2.48E-04	4.99E-04
2073 495461.06, 3859551.99	0.00641	0.00632	9.74E-04	1.00E-03	9.18E-04	9.40E-04	8.87E-04	2.58E-04	2.54E-04	5.12E-04	2.52E-04	2.48E-04	5.00E-04	2.48E-04	2.45E-04	4.93E-04
2074 495511.06, 3859551.99	0.00633	0.00625	9.62E-04	9.90E-04	9.06E-04	9.28E-04	8.75E-04	2.55E-04	2.52E-04	5.06E-04	2.49E-04	2.45E-04	4.94E-04	2.45E-04	2.42E-04	4.87E-04
2075 495561.06, 3859551.99	0.00627	0.0062	9.53E-04	9.82E-04	8.98E-04	9.19E-04	8.67E-04	2.52E-04	2.50E-04	5.02E-04	2.46E-04	2.43E-04	4.90E-04	2.43E-04	2.40E-04	4.83E-04
2076 495611.06, 3859551.99	0.00622	0.00615	9.45E-04	9.74E-04	8.90E-04	9.12E-04	8.60E-04	2.50E-04	2.47E-04	4.98E-04	2.44E-04	2.42E-04	4.86E-04	2.41E-04	2.38E-04	4.79E-04
2077 495661.06, 3859551.99	0.00616	0.00609	9.36E-04	9.64E-04	8.82E-04	9.03E-04	8.52E-04	2.48E-04	2.45E-04	4.93E-04	2.42E-04	2.39E-04	4.81E-04	2.39E-04	2.36E-04	4.75E-04
2078 494311.06, 3859601.99	0.00848	0.00827	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.33E-04	6.74E-04	3.33E-04	3.25E-04	6.58E-04	3.29E-04	3.20E-04	6.49E-04
2079 494361.06, 3859601.99	0.00822	0.00802	1.25E-03	1.27E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.23E-04	6.54E-04	3.23E-04	3.15E-04	6.38E-04	3.19E-04	3.11E-04	6.29E-04
2080 494411.06, 3859601.99	0.00808	0.00789	1.23E-03	1.25E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.18E-04	6.43E-04	3.17E-04	3.10E-04	6.27E-04	3.13E-04	3.06E-04	6.19E-04
2081 494461.06, 3859601.99	0.00807	0.00789	1.23E-03	1.25E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.18E-04	6.42E-04	3.17E-04	3.10E-04	6.27E-04	3.13E-04	3.06E-04	6.18E-04
2082 494511.06, 3859601.99	0.00791	0.00773	1.20E-03	1.22E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.11E-04	6.29E-04	3.11E-04	3.04E-04	6.14E-04	3.07E-04	3.00E-04	6.06E-04
2083 494561.06, 3859601.99	0.00788	0.0077	1.20E-03	1.22E-03	1.13E-03	1.16E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.02E-04	6.12E-04	3.05E-04	2.98E-04	6.04E-04
2084 494611.06, 3859601.99	0.00783	0.00765	1.19E-03	1.21E-03	1.12E-03	1.15E-03	1.08E-03	3.15E-04	3.08E-04	6.23E-04	3.07E-04	3.00E-04	6.08E-04	3.03E-04	2.96E-04	6.00E-04
2085 494661.06, 3859601.99	0.00764	0.00747	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.93E-04	5.93E-04	2.96E-04	2.89E-04	5.85E-04
2086 494711.06, 3859601.99	0.0075	0.00735	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.98E-04	2.95E-04	2.89E-04	5.83E-04	2.91E-04	2.85E-04	5.75E-04
2087 494761.06, 3859601.99	0.00755	0.00739	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	2.97E-04	6.01E-04	2.96E-04	2.90E-04	5.87E-04	2.93E-04	2.86E-04	5.79E-04
2088 494811.06, 3859601.99	0.00739	0.00724	1.12E-03	1.15E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.89E-04	2.90E-04	2.84E-04	5.75E-04	2.86E-04	2.81E-04	5.67E-04
2089 494861.06, 3859601.99	0.00732	0.00717	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.89E-04	5.83E-04	2.87E-04	2.82E-04	5.69E-04	2.84E-04	2.78E-04	5.61E-04
2090 494911.06, 3859601.99	0.0072	0.00706	1.09E-03	1.12E-03	1.03E-03	1.06E-03	9.96E-04	2.90E-04	2.84E-04	5.74E-04	2.83E-04	2.77E-04	5.60E-04	2.79E-04	2.74E-04	5.53E-04
2091 494961.06, 3859601.99	0.00719	0.00705	1.09E-03	1.12E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	2.84E-04	5.73E-04	2.82E-04	2.77E-04	5.59E-04	2.79E-04	2.73E-04	5.52E-04
2092 495011.06, 3859601.99	0.00707	0.00694	1.07E-03	1.10E-03	1.01E-03	1.04E-03	9.78E-04	2.85E-04	2.79E-04	5.64E-04	2.78E-04	2.73E-04	5.50E-04	2.74E-04	2.69E-04	5.43E-04
2093 495061.06, 3859601.99	0.00704	0.00691	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.74E-04	2.83E-04	2.78E-04	5.61E-04	2.76E-04	2.71E-04	5.48E-04	2.73E-04	2.68E-04	5.41E-04
2094 495111.06, 3859601.99	0.00695	0.00683	1.06E-03	1.08E-03	9.95E-04	1.02E-03	9.61E-04	2.80E-04	2.75E-04	5.55E-04	2.73E-04	2.68E-04	5.41E-04	2.69E-04	2.65E-04	5.34E-04
2095 495161.06, 3859601.99	0.00691	0.00679	1.05E-03	1.08E-03	9.89E-04	1.01E-03	9.56E-04	2.78E-04	2.73E-04	5.51E-04	2.71E-04	2.67E-04	5.38E-04	2.68E-04	2.63E-04	5.31E-04
2096 495211.06, 3859601.99	0.00685	0.00674	1.04E-03	1.07E-03	9.81E-04	1.00E-03	9.47E-04	2.76E-04	2.71E-04	5.47E-04	2.69E-04	2.65E-04	5.34E-04	2.65E-04	2.61E-04	5.27E-04
2097 495261.06, 3859601.99	0.00681	0.00669	1.03E-03	1.06E-03	9.75E-04	9.99E-04	9.42E-04	2.74E-04	2.69E-04	5.43E-04	2.67E-04	2.63E-04	5.30E-04	2.64E-04	2.59E-04	5.23E-04
2098 495311.06, 3859601.99	0.00677	0.00666	1.03E-03	1.05E-03	9.69E-04	9.93E-04	9.36E-04	2.72E-04	2.68E-04	5.40E-04	2.66E-04	2.62E-04	5.27E-04	2.62E-04	2.58E-04	5.20E-04
2099 495361.06, 3859601.99	0.00671	0.0066	1.02E-03	1.04E-03	9.61E-04	9.84E-04	9.28E-04	2.70E-04	2.66E-04	5.36E-04	2.64E-04	2.59E-04	5.23E-04	2.60E-04	2.56E-04	5.16E-04
2100 495411.06, 3859601.99	0.00666	0.00656	1.01E-03	1.04E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.64E-04	5.32E-04	2.62E-04	2.58E-04	5.19E-04	2.58E-04	2.54E-04	5.12E-04
2101 495461.06, 3859601.99	0.00657	0.00647	9.98E-04	1.02E-03	9.41E-04	9.63E-04	9.09E-04	2.64E-04	2.60E-04	5.25E-04	2.58E-04	2.54E-04	5.12E-04	2.55E-04	2.51E-04	5.05E-04
2102 495511.06, 3859601.99	0.00647	0.00638	9.83E-04	1.01E-03	9.26E-04	9.49E-04	8.95E-04	2.60E-04	2.57E-04	5.17E-04	2.54E-04	2.51E-04	5.05E-04	2.51E-04	2.47E-04	4.98E-04
2103 495561.06, 3859601.99	0.00645	0.00636	9.80E-04	1.01E-03	9.23E-04	9.46E-04	8.92E-04	2.60E-04	2.56E-04	5.16E-04	2.53E-04	2.50E-04	5.03E-04	2.50E-04	2.46E-04	4.96E-04
2104 495611.06, 3859601.99	0.00635	0.00627	9.65E-04	9.93E-04	9.09E-04	9.31E-04	8.78E-04	2.56E-04	2.52E-04	5.08E-04	2.49E-04	2.46E-04	4.96E-04	2.46E-04	2.43E-04	4.89E-04
2105 495661.06, 3859601.99	0.00631	0.00623	9.59E-04	9.86E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	2.51E-04	5.05E-04	2.48E-04	2.45E-04	4.92E-04	2.45E-04	2.41E-04	4.86E-04
2106 494311.06, 3859651.99	0.00862	0.00841	1.31E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.47E-04	3.38E-04	6.85E-04	3.39E-04	3.30E-04	6.69E-04	3.34E-04	3.26E-04	6.60E-04
2107 494361.06, 3859651.99	0.00837	0.00818	1.27E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.37E-04	3.29E-04	6.66E-04	3.29E-04	3.21E-04	6.50E-04	3.24E-04	3.17E-04	6.41E-04
2108 494411.06, 3859651.99	0.00827	0.00808	1.26E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.33E-04	3.25E-04	6.58E-04	3.25E-04	3.17E-04	6.42E-04	3.20E-04	3.13E-04	6.34E-04

2109 494461.06, 3859651.99	0.00826	0.00807	1.26E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.25E-04	6.57E-04	3.24E-04	3.17E-04	6.41E-04	3.20E-04	3.13E-04	6.33E-04
2110 494511.06, 3859651.99	0.00815	0.00796	1.24E-03	1.26E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.20E-04	6.48E-04	3.20E-04	3.13E-04	6.33E-04	3.16E-04	3.08E-04	6.24E-04
2111 494561.06, 3859651.99	0.00808	0.00789	1.23E-03	1.25E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.18E-04	6.43E-04	3.17E-04	3.10E-04	6.27E-04	3.13E-04	3.06E-04	6.19E-04
2112 494611.06, 3859651.99	0.008	0.00782	1.22E-03	1.24E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	3.15E-04	6.37E-04	3.14E-04	3.07E-04	6.21E-04	3.10E-04	3.03E-04	6.13E-04
2113 494661.06, 3859651.99	0.00778	0.00761	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.06E-04	6.19E-04	3.06E-04	2.99E-04	6.04E-04	3.01E-04	2.95E-04	5.96E-04
2114 494711.06, 3859651.99	0.00771	0.00755	1.17E-03	1.20E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.04E-04	6.14E-04	3.03E-04	2.96E-04	5.99E-04	2.99E-04	2.93E-04	5.91E-04
2115 494761.06, 3859651.99	0.00769	0.00753	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.03E-04	6.13E-04	3.02E-04	2.96E-04	5.98E-04	2.98E-04	2.92E-04	5.90E-04
2116 494811.06, 3859651.99	0.00758	0.00742	1.15E-03	1.17E-03	1.09E-03	1.11E-03	1.05E-03	3.05E-04	2.99E-04	6.04E-04	2.98E-04	2.91E-04	5.89E-04	2.94E-04	2.88E-04	5.81E-04
2117 494861.06, 3859651.99	0.00751	0.00736	1.14E-03	1.17E-03	1.08E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.98E-04	2.95E-04	2.89E-04	5.84E-04	2.91E-04	2.85E-04	5.76E-04
2118 494911.06, 3859651.99	0.00743	0.00727	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	2.93E-04	5.92E-04	2.92E-04	2.85E-04	5.77E-04	2.88E-04	2.82E-04	5.70E-04
2119 494961.06, 3859651.99	0.00736	0.00721	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	2.90E-04	5.86E-04	2.89E-04	2.83E-04	5.72E-04	2.85E-04	2.79E-04	5.65E-04
2120 495011.06, 3859651.99	0.00728	0.00714	1.11E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.87E-04	5.80E-04	2.86E-04	2.80E-04	5.66E-04	2.82E-04	2.77E-04	5.59E-04
2121 495061.06, 3859651.99	0.00723	0.00709	1.10E-03	1.12E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	2.85E-04	5.76E-04	2.84E-04	2.78E-04	5.62E-04	2.80E-04	2.75E-04	5.55E-04
2122 495111.06, 3859651.99	0.00715	0.00701	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.89E-04	2.88E-04	2.82E-04	5.70E-04	2.81E-04	2.75E-04	5.56E-04	2.77E-04	2.72E-04	5.49E-04
2123 495161.06, 3859651.99	0.00709	0.00696	1.08E-03	1.10E-03	1.02E-03	1.04E-03	9.81E-04	2.85E-04	2.80E-04	5.65E-04	2.78E-04	2.73E-04	5.52E-04	2.75E-04	2.70E-04	5.44E-04
2124 495211.06, 3859651.99	0.00704	0.00691	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.74E-04	2.83E-04	2.78E-04	5.61E-04	2.76E-04	2.71E-04	5.48E-04	2.73E-04	2.68E-04	5.41E-04
2125 495261.06, 3859651.99	0.00698	0.00685	1.06E-03	1.08E-03	9.99E-04	1.02E-03	9.65E-04	2.81E-04	2.76E-04	5.57E-04	2.74E-04	2.69E-04	5.43E-04	2.70E-04	2.65E-04	5.36E-04
2126 495311.06, 3859651.99	0.00693	0.0068	1.05E-03	1.08E-03	9.92E-04	1.02E-03	9.58E-04	2.79E-04	2.74E-04	5.53E-04	2.72E-04	2.67E-04	5.39E-04	2.69E-04	2.63E-04	5.32E-04
2127 495361.06, 3859651.99	0.00688	0.00676	1.05E-03	1.07E-03	9.85E-04	1.01E-03	9.52E-04	2.77E-04	2.72E-04	5.49E-04	2.70E-04	2.65E-04	5.36E-04	2.67E-04	2.62E-04	5.29E-04
2128 495411.06, 3859651.99	0.00682	0.0067	1.04E-03	1.06E-03	9.76E-04	1.00E-03	9.43E-04	2.74E-04	2.70E-04	5.44E-04	2.68E-04	2.63E-04	5.31E-04	2.64E-04	2.60E-04	5.24E-04
2129 495461.06, 3859651.99	0.00672	0.00661	1.02E-03	1.05E-03	9.62E-04	9.85E-04	9.29E-04	2.70E-04	2.66E-04	5.36E-04	2.64E-04	2.60E-04	5.23E-04	2.60E-04	2.56E-04	5.17E-04
2130 495511.06, 3859651.99	0.00664	0.00654	1.01E-03	1.04E-03	9.51E-04	9.74E-04	9.18E-04	2.67E-04	2.63E-04	5.30E-04	2.61E-04	2.57E-04	5.18E-04	2.57E-04	2.53E-04	5.11E-04
2131 495561.06, 3859651.99	0.00659	0.00649	1.00E-03	1.03E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.61E-04	5.26E-04	2.59E-04	2.55E-04	5.14E-04	2.55E-04	2.51E-04	5.07E-04
2132 495611.06, 3859651.99	0.00653	0.00644	9.92E-04	1.02E-03	9.35E-04	9.57E-04	9.03E-04	2.63E-04	2.59E-04	5.22E-04	2.56E-04	2.53E-04	5.09E-04	2.53E-04	2.50E-04	5.03E-04
2133 495661.06, 3859651.99	0.00646	0.00637	9.82E-04	1.01E-03	9.25E-04	9.47E-04	8.93E-04	2.60E-04	2.56E-04	5.16E-04	2.54E-04	2.50E-04	5.04E-04	2.50E-04	2.47E-04	4.97E-04
2134 494311.06, 3859701.99	0.0086	0.0084	1.31E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.38E-04	6.84E-04	3.38E-04	3.30E-04	6.68E-04	3.33E-04	3.25E-04	6.59E-04
2135 494361.06, 3859701.99	0.0085	0.0083	1.29E-03	1.31E-03	1.22E-03	1.25E-03	1.18E-03	3.42E-04	3.34E-04	6.76E-04	3.34E-04	3.26E-04	6.60E-04	3.29E-04	3.22E-04	6.51E-04
2136 494411.06, 3859701.99	0.00843	0.00824	1.28E-03	1.30E-03	1.21E-03	1.24E-03	1.17E-03	3.39E-04	3.32E-04	6.71E-04	3.31E-04	3.24E-04	6.55E-04	3.27E-04	3.19E-04	6.46E-04
2137 494461.06, 3859701.99	0.00845	0.00825	1.28E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	3.32E-04	6.72E-04	3.32E-04	3.24E-04	6.56E-04	3.27E-04	3.20E-04	6.47E-04
2138 494511.06, 3859701.99	0.00835	0.00816	1.27E-03	1.29E-03	1.20E-03	1.22E-03	1.15E-03	3.36E-04	3.28E-04	6.64E-04	3.28E-04	3.20E-04	6.48E-04	3.24E-04	3.16E-04	6.40E-04
2139 494561.06, 3859701.99	0.00828	0.00809	1.26E-03	1.28E-03	1.19E-03	1.21E-03	1.15E-03	3.33E-04	3.26E-04	6.59E-04	3.25E-04	3.18E-04	6.43E-04	3.21E-04	3.13E-04	6.34E-04
2140 494611.06, 3859701.99	0.00821	0.00802	1.25E-03	1.27E-03	1.18E-03	1.20E-03	1.14E-03	3.30E-04	3.23E-04	6.53E-04	3.22E-04	3.15E-04	6.37E-04	3.18E-04	3.11E-04	6.29E-04
2141 494661.06, 3859701.99	0.00798	0.00781	1.21E-03	1.24E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.14E-04	6.35E-04	3.13E-04	3.07E-04	6.20E-04	3.09E-04	3.03E-04	6.12E-04
2142 494711.06, 3859701.99	0.00795	0.00777	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.13E-04	6.33E-04	3.12E-04	3.05E-04	6.17E-04	3.08E-04	3.01E-04	6.09E-04
2143 494761.06, 3859701.99	0.00784	0.00767	1.19E-03	1.21E-03	1.12E-03	1.15E-03	1.08E-03	3.16E-04	3.09E-04	6.24E-04	3.08E-04	3.01E-04	6.09E-04	3.04E-04	2.97E-04	6.01E-04
2144 494811.06, 3859701.99	0.00774	0.00757	1.18E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.05E-04	6.16E-04	3.04E-04	2.97E-04	6.01E-04	3.00E-04	2.93E-04	5.93E-04
2145 494861.06, 3859701.99	0.00771	0.00755	1.17E-03	1.20E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.04E-04	6.14E-04	3.03E-04	2.96E-04	5.99E-04	2.99E-04	2.93E-04	5.91E-04
2146 494911.06, 3859701.99	0.00762	0.00746	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.07E-04	3.00E-04	6.07E-04	2.99E-04	2.93E-04	5.92E-04	2.95E-04	2.89E-04	5.84E-04
2147 494961.06, 3859701.99	0.00754	0.00738	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.03E-04	2.97E-04	6.00E-04	2.96E-04	2.90E-04	5.86E-04	2.92E-04	2.86E-04	5.78E-04
2148 495011.06, 3859701.99	0.00749	0.00734	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.01E-04	2.95E-04	5.97E-04	2.94E-04	2.88E-04	5.82E-04	2.90E-04	2.84E-04	5.75E-04
2149 495061.06, 3859701.99	0.00742	0.00727	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	2.93E-04	5.91E-04	2.91E-04	2.85E-04	5.77E-04	2.88E-04	2.82E-04	5.69E-04
2150 495111.06, 3859701.99	0.00735	0.0072	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	2.90E-04	5.86E-04	2.89E-04	2.83E-04	5.71E-04	2.85E-04	2.79E-04	5.64E-04
2151 495161.06, 3859701.99	0.00727	0.00713	1.10E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.87E-04	5.80E-04	2.85E-04	2.80E-04	5.65E-04	2.82E-04	2.76E-04	5.58E-04
2152 495211.06, 3859701.99	0.00719	0.00705	1.09E-03	1.12E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	2.84E-04	5.73E-04	2.82E-04	2.77E-04	5.59E-04	2.79E-04	2.73E-04	5.52E-04
2153 495261.06, 3859701.99	0.00716	0.00703	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.90E-04	2.88E-04	2.83E-04	5.71E-04	2.81E-04	2.76E-04	5.57E-04	2.77E-04	2.72E-04	5.50E-04
2154 495311.06, 3859701.99	0.00709	0.00696	1.08E-03	1.10E-03	1.02E-03	1.04E-03	9.81E-04	2.85E-04	2.80E-04	5.65E-04	2.78E-04	2.73E-04	5.52E-04	2.75E-04	2.70E-04	5.44E-04
2155 495361.06, 3859701.99	0.00703	0.0069	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.72E-04	2.83E-04	2.78E-04	5.61E-04	2.76E-04	2.71E-04	5.47E-04	2.72E-04	2.67E-04	5.40E-04
2156 495411.06, 3859701.99	0.00694	0.00682	1.05E-03	1.08E-03	9.94E-04	1.02E-03	9.60E-04	2.79E-04	2.74E-04	5.54E-04	2.73E-04	2.68E-04	5.40E-04	2.69E-04	2.64E-04	5.33E-04
2157 495461.06, 3859701.99	0.00687	0.00675	1.04E-03	1.07E-03	9.84E-04	1.01E-03	9.50E-04	2.76E-04	2.72E-04	5.48E-04	2.70E-04	2.65E-04	5.35E-04	2.66E-04	2.62E-04	5.28E-04
2158 495511.06, 3859701.99	0.00676	0.00665	1.03E-03	1.05E-03	9.68E-04	9.91E-04	9.35E-04	2.72E-04	2.68E-04	5.40E-04	2.65E-04	2.61E-04	5.27E-04	2.62E-04	2.58E-04	5.20E-04
2159 495561.06, 3859701.99	0.00675	0.00664	1.03E-03	1.05E-03	9.66E-04	9.90E-04	9.34E-04	2.72E-04	2.67E-04	5.39E-04	2.65E-04	2.61E-04	5.26E-04	2.62E-04	2.57E-04	5.19E-04
2160 495611.06, 3859701.99	0.00669	0.00658	1.02E-03	1.04E-03	9.58E-04	9.81E-04	9.25E-04	2.69E-04	2.65E-04	5.34E-04	2.63E-04	2.58E-04	5.21E-04	2.59E-04	2.55E-04	5.14E-04
2161 495661.06, 3859701.99	0.00662	0.00652	1.01E-03	1.03E-03	9.48E-04	9.71E-04	9.16E-04	2.66E-04	2.62E-04	5.29E-04	2.60E-04	2.56E-04	5.16E-04	2.57E-04	2.53E-04	5.09E-04
2162 494311.06, 3859751.99	0.00886	0.00865	1.35E-03	1.37E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	3.48E-04	7.05E-04	3.48E-04	3.40E-04	6.88E-04	3.43E-04	3.35E-04	6.78E-04
2163 494361.06, 3859751.99	0.00875	0.00855	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.52E-04	3.44E-04	6.96E-04	3.44E-04	3.36E-04	6.79E-04	3.39E-04	3.31E-04	6.70E-04
2164 494411.06, 3859751.99	0.00862	0.00843	1.31E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.47E-04	3.39E-04	6.86E-04	3.39E-04	3.31E-04	6.70E-04	3.34E-04	3.27E-04	6.61E-04
2165 494461.06, 3859751.99	0.00862	0.00842	1.31E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.47E-04	3.39E-04	6.86E-04	3.39E-04	3.31E-04	6.69E-04	3.34E-04	3.26E-04	6.60E-04
2166 494511.06, 3859751.99	0.00858	0.00838	1.30E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	3.37E-04	6.83E-04	3.37E-04	3.29E-04	6.66E-04	3.32E-04	3.25E-04	6.57E-04
2167 494561.06, 3859751.99	0.00848	0.00829	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.34E-04	6.75E-04	3.33E-04	3.26E-04	6.59E-04	3.29E-04	3.21E-04	6.50E-04
2168 494611.06, 3859751.99	0.00836	0.00817	1.27E-03	1.29E-03	1.20E-03	1.23E-03	1.16E-03	3.36E-04	3.29E-04	6.65E-04	3.28E-04	3.21E-04	6.49E-04	3.24E-04	3.17E-04	6.41E-04
2169 494661.06, 3859751.99	0.00816	0.00797	1.24E-03	1.26E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.21E-04	6.49E-04	3.20E-04	3.13E-04	6.33E-04	3.16E-04	3.09E-04	6.25E-04
2170 494711.06, 3859751.99	0.00815	0.00797	1.24E-03	1.26E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.21E-04	6.49E-04	3.20E-04	3.13E-04	6.33E-04	3.16E-04	3.09E-04	6.25E-04
2171 494761.06, 3859751.99	0.00809	0.00791	1.23E-03	1.25E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.18E-04	6.44E-04	3.18E-04	3.11E-04	6.28E-04	3.13E-04	3.07E-04	6.20E-04
2172 494811.06, 3859751.99	0.00799	0.00781	1.21E-03	1.24E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.14E-04	6.36E-04	3.14E-04	3.07E-04	6.20E-04	3.10E-04	3.03E-04	6.12E-04
2173 494861.06, 3859751.99	0.00791	0.00774	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.11E-04	6.30E-04	3.11E-04	3.04E-04	6.15E-04	3.07E-04	3.00E-04	6.06E-04
2174 494911.06, 3859751.99	0.00784	0.00767	1.19E-03	1.21E-03	1.12E-03	1.15E-03	1.08E-03	3.16E-04	3.09E-04	6.24E-04	3.08E-04	3.01E-04	6.09E-04	3.04E-04	2.97E-04	6.01E-04

2175 494961.06, 3859751.99	0.00777	0.0076	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.07E-03	3.13E-04	3.06E-04	6.19E-04	3.05E-04	2.98E-04	6.04E-04	3.01E-04	2.94E-04	5.96E-04
2176 495011.06, 3859751.99	0.00769	0.00753	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.03E-04	6.13E-04	3.02E-04	2.96E-04	5.98E-04	2.98E-04	2.92E-04	5.90E-04
2177 495061.06, 3859751.99	0.00763	0.00747	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.93E-04	5.93E-04	2.96E-04	2.89E-04	5.85E-04
2178 495111.06, 3859751.99	0.00756	0.0074	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.05E-03	3.04E-04	2.98E-04	6.02E-04	2.97E-04	2.91E-04	5.87E-04	2.93E-04	2.87E-04	5.80E-04
2179 495161.06, 3859751.99	0.00748	0.00733	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.03E-03	3.01E-04	2.95E-04	5.96E-04	2.94E-04	2.88E-04	5.82E-04	2.90E-04	2.84E-04	5.74E-04
2180 495211.06, 3859751.99	0.0074	0.00725	1.12E-03	1.15E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	2.92E-04	5.90E-04	2.91E-04	2.85E-04	5.75E-04	2.87E-04	2.81E-04	5.68E-04
2181 495261.06, 3859751.99	0.00734	0.0072	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.95E-04	2.90E-04	5.85E-04	2.88E-04	2.83E-04	5.71E-04	2.84E-04	2.79E-04	5.63E-04
2182 495311.06, 3859751.99	0.00727	0.00713	1.10E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.87E-04	5.80E-04	2.85E-04	2.80E-04	5.65E-04	2.82E-04	2.76E-04	5.58E-04
2183 495361.06, 3859751.99	0.0072	0.00706	1.09E-03	1.12E-03	1.03E-03	1.06E-03	9.96E-04	2.90E-04	2.84E-04	5.74E-04	2.83E-04	2.77E-04	5.60E-04	2.79E-04	2.74E-04	5.53E-04
2184 495411.06, 3859751.99	0.00714	0.007	1.08E-03	1.11E-03	1.02E-03	1.05E-03	9.88E-04	2.87E-04	2.82E-04	5.69E-04	2.80E-04	2.75E-04	5.55E-04	2.77E-04	2.71E-04	5.48E-04
2185 495461.06, 3859751.99	0.00705	0.00692	1.07E-03	1.10E-03	1.01E-03	1.03E-03	9.75E-04	2.84E-04	2.78E-04	5.62E-04	2.77E-04	2.72E-04	5.49E-04	2.73E-04	2.68E-04	5.41E-04
2186 495511.06, 3859751.99	0.00696	0.00683	1.06E-03	1.08E-03	9.96E-04	1.02E-03	9.63E-04	2.80E-04	2.75E-04	5.55E-04	2.73E-04	2.68E-04	5.42E-04	2.70E-04	2.65E-04	5.34E-04
2187 495561.06, 3859751.99	0.0069	0.00678	1.05E-03	1.07E-03	9.88E-04	1.01E-03	9.54E-04	2.78E-04	2.73E-04	5.51E-04	2.71E-04	2.66E-04	5.37E-04	2.67E-04	2.63E-04	5.30E-04
2188 495611.06, 3859751.99	0.00684	0.00672	1.04E-03	1.06E-03	9.79E-04	1.00E-03	9.46E-04	2.75E-04	2.70E-04	5.46E-04	2.69E-04	2.64E-04	5.32E-04	2.65E-04	2.60E-04	5.25E-04
2189 495661.06, 3859751.99	0.00679	0.00668	1.03E-03	1.06E-03	9.72E-04	9.96E-04	9.39E-04	2.73E-04	2.69E-04	5.42E-04	2.67E-04	2.62E-04	5.29E-04	2.63E-04	2.59E-04	5.22E-04
2190 494311.06, 3859801.99	0.00912	0.00891	1.39E-03	1.41E-03	1.31E-03	1.34E-03	1.26E-03	3.67E-04	3.59E-04	7.26E-04	3.58E-04	3.50E-04	7.08E-04	3.53E-04	3.45E-04	6.99E-04
2191 494361.06, 3859801.99	0.00896	0.00876	1.36E-03	1.39E-03	1.28E-03	1.31E-03	1.24E-03	3.61E-04	3.53E-04	7.13E-04	3.52E-04	3.44E-04	6.96E-04	3.47E-04	3.39E-04	6.87E-04
2192 494411.06, 3859801.99	0.0088	0.00861	1.34E-03	1.36E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.46E-04	7.01E-04	3.46E-04	3.38E-04	6.84E-04	3.41E-04	3.34E-04	6.75E-04
2193 494461.06, 3859801.99	0.00879	0.00859	1.34E-03	1.36E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.46E-04	6.99E-04	3.45E-04	3.37E-04	6.83E-04	3.41E-04	3.33E-04	6.73E-04
2194 494511.06, 3859801.99	0.00879	0.00859	1.34E-03	1.36E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.46E-04	6.99E-04	3.45E-04	3.37E-04	6.83E-04	3.41E-04	3.33E-04	6.73E-04
2195 494561.06, 3859801.99	0.0087	0.0085	1.32E-03	1.35E-03	1.25E-03	1.28E-03	1.20E-03	3.50E-04	3.42E-04	6.92E-04	3.42E-04	3.34E-04	6.75E-04	3.37E-04	3.29E-04	6.66E-04
2196 494611.06, 3859801.99	0.00852	0.00833	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.35E-04	6.78E-04	3.35E-04	3.27E-04	6.62E-04	3.30E-04	3.23E-04	6.53E-04
2197 494661.06, 3859801.99	0.00842	0.00823	1.28E-03	1.30E-03	1.21E-03	1.23E-03	1.16E-03	3.39E-04	3.31E-04	6.70E-04	3.31E-04	3.23E-04	6.54E-04	3.26E-04	3.19E-04	6.45E-04
2198 494711.06, 3859801.99	0.0083	0.00811	1.26E-03	1.28E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.26E-04	6.60E-04	3.26E-04	3.18E-04	6.44E-04	3.22E-04	3.14E-04	6.36E-04
2199 494761.06, 3859801.99	0.00829	0.00811	1.26E-03	1.28E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.26E-04	6.60E-04	3.26E-04	3.18E-04	6.44E-04	3.21E-04	3.14E-04	6.35E-04
2200 494811.06, 3859801.99	0.0082	0.00801	1.25E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	3.22E-04	6.52E-04	3.22E-04	3.15E-04	6.37E-04	3.18E-04	3.10E-04	6.28E-04
2201 494861.06, 3859801.99	0.00813	0.00795	1.24E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.20E-04	6.47E-04	3.19E-04	3.12E-04	6.31E-04	3.15E-04	3.08E-04	6.23E-04
2202 494911.06, 3859801.99	0.00803	0.00785	1.22E-03	1.24E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.16E-04	6.39E-04	3.15E-04	3.08E-04	6.24E-04	3.11E-04	3.04E-04	6.15E-04
2203 494961.06, 3859801.99	0.00795	0.00778	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.13E-04	6.33E-04	3.12E-04	3.06E-04	6.18E-04	3.08E-04	3.01E-04	6.10E-04
2204 495011.06, 3859801.99	0.00788	0.00771	1.20E-03	1.22E-03	1.13E-03	1.16E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.03E-04	6.12E-04	3.05E-04	2.99E-04	6.04E-04
2205 495061.06, 3859801.99	0.00781	0.00765	1.19E-03	1.21E-03	1.12E-03	1.15E-03	1.08E-03	3.14E-04	3.08E-04	6.22E-04	3.07E-04	3.00E-04	6.07E-04	3.03E-04	2.96E-04	5.99E-04
2206 495111.06, 3859801.99	0.00773	0.00756	1.17E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.04E-04	6.15E-04	3.04E-04	2.97E-04	6.00E-04	3.00E-04	2.93E-04	5.92E-04
2207 495161.06, 3859801.99	0.00764	0.00748	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.94E-04	5.94E-04	2.96E-04	2.90E-04	5.86E-04
2208 495211.06, 3859801.99	0.00758	0.00743	1.15E-03	1.18E-03	1.09E-03	1.11E-03	1.05E-03	3.05E-04	2.99E-04	6.04E-04	2.98E-04	2.92E-04	5.89E-04	2.94E-04	2.88E-04	5.82E-04
2209 495261.06, 3859801.99	0.0075	0.00735	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.98E-04	2.95E-04	2.89E-04	5.83E-04	2.91E-04	2.85E-04	5.75E-04
2210 495311.06, 3859801.99	0.00745	0.0073	1.13E-03	1.16E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.94E-04	5.94E-04	2.93E-04	2.87E-04	5.79E-04	2.89E-04	2.83E-04	5.72E-04
2211 495361.06, 3859801.99	0.00737	0.00723	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.88E-04	2.89E-04	2.84E-04	5.73E-04	2.86E-04	2.80E-04	5.66E-04
2212 495411.06, 3859801.99	0.00729	0.00715	1.11E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.88E-04	5.81E-04	2.86E-04	2.81E-04	5.67E-04	2.82E-04	2.77E-04	5.60E-04
2213 495461.06, 3859801.99	0.00722	0.00708	1.10E-03	1.12E-03	1.03E-03	1.06E-03	9.99E-04	2.91E-04	2.85E-04	5.75E-04	2.84E-04	2.78E-04	5.62E-04	2.80E-04	2.74E-04	5.54E-04
2214 495511.06, 3859801.99	0.00713	0.00699	1.08E-03	1.11E-03	1.02E-03	1.05E-03	9.86E-04	2.87E-04	2.81E-04	5.68E-04	2.80E-04	2.74E-04	5.54E-04	2.76E-04	2.71E-04	5.47E-04
2215 495561.06, 3859801.99	0.00707	0.00694	1.07E-03	1.10E-03	1.01E-03	1.04E-03	9.78E-04	2.85E-04	2.79E-04	5.64E-04	2.78E-04	2.73E-04	5.50E-04	2.74E-04	2.69E-04	5.43E-04
2216 495611.06, 3859801.99	0.00704	0.00691	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.74E-04	2.83E-04	2.78E-04	5.61E-04	2.76E-04	2.71E-04	5.48E-04	2.73E-04	2.68E-04	5.41E-04
2217 495661.06, 3859801.99	0.00695	0.00683	1.06E-03	1.08E-03	9.95E-04	1.02E-03	9.61E-04	2.80E-04	2.75E-04	5.55E-04	2.73E-04	2.68E-04	5.41E-04	2.69E-04	2.65E-04	5.34E-04
2218 494311.06, 3859851.99	0.00933	0.00912	1.42E-03	1.44E-03	1.34E-03	1.37E-03	1.29E-03	3.75E-04	3.67E-04	7.42E-04	3.66E-04	3.58E-04	7.25E-04	3.62E-04	3.53E-04	7.15E-04
2219 494361.06, 3859851.99	0.0092	0.009	1.40E-03	1.42E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.62E-04	7.32E-04	3.61E-04	3.53E-04	7.15E-04	3.56E-04	3.49E-04	7.05E-04
2220 494411.06, 3859851.99	0.00905	0.00886	1.38E-03	1.40E-03	1.30E-03	1.33E-03	1.25E-03	3.64E-04	3.57E-04	7.21E-04	3.55E-04	3.48E-04	7.03E-04	3.51E-04	3.43E-04	6.94E-04
2221 494461.06, 3859851.99	0.00895	0.00875	1.36E-03	1.39E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	3.52E-04	7.12E-04	3.51E-04	3.44E-04	6.95E-04	3.47E-04	3.39E-04	6.86E-04
2222 494511.06, 3859851.99	0.00891	0.00872	1.35E-03	1.38E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	3.51E-04	7.09E-04	3.50E-04	3.42E-04	6.92E-04	3.45E-04	3.38E-04	6.83E-04
2223 494561.06, 3859851.99	0.0089	0.0087	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.50E-04	7.08E-04	3.50E-04	3.42E-04	6.91E-04	3.45E-04	3.37E-04	6.82E-04
2224 494611.06, 3859851.99	0.0087	0.00851	1.32E-03	1.35E-03	1.25E-03	1.28E-03	1.20E-03	3.50E-04	3.42E-04	6.93E-04	3.42E-04	3.34E-04	6.76E-04	3.37E-04	3.30E-04	6.67E-04
2225 494661.06, 3859851.99	0.00865	0.00846	1.31E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	3.40E-04	6.89E-04	3.40E-04	3.32E-04	6.72E-04	3.35E-04	3.28E-04	6.63E-04
2226 494711.06, 3859851.99	0.00851	0.00832	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.42E-04	3.35E-04	6.77E-04	3.34E-04	3.27E-04	6.61E-04	3.30E-04	3.22E-04	6.52E-04
2227 494761.06, 3859851.99	0.00849	0.0083	1.29E-03	1.31E-03	1.22E-03	1.24E-03	1.17E-03	3.42E-04	3.34E-04	6.76E-04	3.33E-04	3.26E-04	6.59E-04	3.29E-04	3.22E-04	6.51E-04
2228 494811.06, 3859851.99	0.0084	0.00821	1.28E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.30E-04	6.68E-04	3.30E-04	3.22E-04	6.52E-04	3.25E-04	3.18E-04	6.44E-04
2229 494861.06, 3859851.99	0.00835	0.00816	1.27E-03	1.29E-03	1.20E-03	1.22E-03	1.15E-03	3.36E-04	3.28E-04	6.64E-04	3.28E-04	3.20E-04	6.48E-04	3.24E-04	3.16E-04	6.40E-04
2230 494911.06, 3859851.99	0.00824	0.00806	1.25E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.24E-04	6.56E-04	3.24E-04	3.17E-04	6.40E-04	3.19E-04	3.12E-04	6.32E-04
2231 494961.06, 3859851.99	0.00817	0.00798	1.24E-03	1.26E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.21E-04	6.50E-04	3.21E-04	3.13E-04	6.34E-04	3.17E-04	3.09E-04	6.26E-04
2232 495011.06, 3859851.99	0.00809	0.00791	1.23E-03	1.25E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.18E-04	6.44E-04	3.18E-04	3.11E-04	6.28E-04	3.13E-04	3.07E-04	6.20E-04
2233 495061.06, 3859851.99	0.00802	0.00785	1.22E-03	1.24E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.16E-04	6.39E-04	3.15E-04	3.08E-04	6.23E-04	3.11E-04	3.04E-04	6.15E-04
2234 495111.06, 3859851.99	0.00792	0.00775	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.10E-03	3.19E-04	3.12E-04	6.31E-04	3.11E-04	3.04E-04	6.15E-04	3.07E-04	3.00E-04	6.07E-04
2235 495161.06, 3859851.99	0.00784	0.00768	1.19E-03	1.22E-03	1.12E-03	1.15E-03	1.08E-03	3.16E-04	3.09E-04	6.25E-04	3.08E-04	3.02E-04	6.09E-04	3.04E-04	2.98E-04	6.01E-04
2236 495211.06, 3859851.99	0.00777	0.00761	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.07E-03	3.13E-04	3.06E-04	6.19E-04	3.05E-04	2.99E-04	6.04E-04	3.01E-04	2.95E-04	5.96E-04
2237 495261.06, 3859851.99	0.00769	0.00753	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.03E-04	6.13E-04	3.02E-04	2.96E-04	5.98E-04	2.98E-04	2.92E-04	5.90E-04
2238 495311.06, 3859851.99	0.00763	0.00747	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.93E-04	5.93E-04	2.96E-04	2.89E-04	5.85E-04
2239 495361.06, 3859851.99	0.00756	0.00741	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.05E-03	3.04E-04	2.98E-04	6.02E-04	2.97E-04	2.91E-04	5.88E-04	2.93E-04	2.87E-04	5.80E-04
2240 495411.06, 3859851.99	0.00748	0.00733	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.03E-03	3.01E-04	2.95E-04	5.96E-04	2.94E-04	2.88E-04	5.82E-04	2.90E-04	2.84E-04	5.74E-04

2241	495461.06, 3859851.99	0.0074	0.00725	1.12E-03	1.15E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	2.92E-04	5.90E-04	2.91E-04	2.85E-04	5.75E-04	2.87E-04	2.81E-04	5.68E-04
2242	495511.06, 3859851.99	0.00731	0.00717	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.94E-04	2.89E-04	5.83E-04	2.87E-04	2.82E-04	5.69E-04	2.83E-04	2.78E-04	5.61E-04
2243	495561.06, 3859851.99	0.00726	0.00712	1.10E-03	1.13E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.87E-04	5.79E-04	2.85E-04	2.80E-04	5.65E-04	2.81E-04	2.76E-04	5.57E-04
2244	495611.06, 3859851.99	0.00721	0.00707	1.10E-03	1.12E-03	1.03E-03	1.06E-03	9.97E-04	2.90E-04	2.85E-04	5.75E-04	2.83E-04	2.78E-04	5.61E-04	2.79E-04	2.74E-04	5.53E-04
2245	495661.06, 3859851.99	0.00713	0.007	1.08E-03	1.11E-03	1.02E-03	1.05E-03	9.86E-04	2.87E-04	2.82E-04	5.69E-04	2.80E-04	2.75E-04	5.55E-04	2.76E-04	2.71E-04	5.48E-04
2246	494311.06, 3859901.99	0.00954	0.00934	1.45E-03	1.48E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	3.76E-04	7.60E-04	3.75E-04	3.67E-04	7.41E-04	3.70E-04	3.62E-04	7.32E-04
2247	494361.06, 3859901.99	0.00934	0.00915	1.42E-03	1.45E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	3.68E-04	7.44E-04	3.67E-04	3.59E-04	7.26E-04	3.62E-04	3.55E-04	7.16E-04
2248	494411.06, 3859901.99	0.00928	0.00908	1.41E-03	1.44E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	3.65E-04	7.39E-04	3.64E-04	3.57E-04	7.21E-04	3.60E-04	3.52E-04	7.11E-04
2249	494461.06, 3859901.99	0.00918	0.00898	1.39E-03	1.42E-03	1.31E-03	1.35E-03	1.27E-03	3.69E-04	3.61E-04	7.31E-04	3.60E-04	3.53E-04	7.13E-04	3.56E-04	3.48E-04	7.04E-04
2250	494511.06, 3859901.99	0.00911	0.00891	1.38E-03	1.41E-03	1.30E-03	1.34E-03	1.26E-03	3.67E-04	3.59E-04	7.25E-04	3.58E-04	3.50E-04	7.08E-04	3.53E-04	3.45E-04	6.98E-04
2251	494561.06, 3859901.99	0.00912	0.00892	1.39E-03	1.41E-03	1.31E-03	1.34E-03	1.26E-03	3.67E-04	3.59E-04	7.26E-04	3.58E-04	3.50E-04	7.08E-04	3.53E-04	3.46E-04	6.99E-04
2252	494611.06, 3859901.99	0.00891	0.00871	1.35E-03	1.38E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	3.51E-04	7.09E-04	3.50E-04	3.42E-04	6.92E-04	3.45E-04	3.37E-04	6.83E-04
2253	494661.06, 3859901.99	0.0089	0.0087	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.50E-04	7.08E-04	3.50E-04	3.42E-04	6.91E-04	3.45E-04	3.37E-04	6.82E-04
2254	494711.06, 3859901.99	0.0087	0.00851	1.32E-03	1.35E-03	1.25E-03	1.28E-03	1.20E-03	3.50E-04	3.42E-04	6.93E-04	3.42E-04	3.34E-04	6.76E-04	3.37E-04	3.30E-04	6.67E-04
2255	494761.06, 3859901.99	0.00867	0.00847	1.32E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.41E-04	6.90E-04	3.40E-04	3.33E-04	6.73E-04	3.36E-04	3.28E-04	6.64E-04
2256	494811.06, 3859901.99	0.00863	0.00844	1.31E-03	1.34E-03	1.24E-03	1.27E-03	1.19E-03	3.47E-04	3.40E-04	6.87E-04	3.39E-04	3.31E-04	6.70E-04	3.34E-04	3.27E-04	6.61E-04
2257	494861.06, 3859901.99	0.00857	0.00838	1.30E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	3.37E-04	6.82E-04	3.37E-04	3.29E-04	6.66E-04	3.32E-04	3.25E-04	6.57E-04
2258	494911.06, 3859901.99	0.00846	0.00827	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	3.33E-04	6.73E-04	3.32E-04	3.25E-04	6.57E-04	3.28E-04	3.20E-04	6.48E-04
2259	494961.06, 3859901.99	0.00839	0.00821	1.27E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.30E-04	6.68E-04	3.29E-04	3.22E-04	6.52E-04	3.25E-04	3.18E-04	6.43E-04
2260	495011.06, 3859901.99	0.0083	0.00811	1.26E-03	1.28E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.26E-04	6.60E-04	3.26E-04	3.18E-04	6.44E-04	3.22E-04	3.14E-04	6.36E-04
2261	495061.06, 3859901.99	0.00821	0.00803	1.25E-03	1.27E-03	1.18E-03	1.20E-03	1.14E-03	3.30E-04	3.23E-04	6.54E-04	3.22E-04	3.15E-04	6.38E-04	3.18E-04	3.11E-04	6.29E-04
2262	495111.06, 3859901.99	0.00811	0.00793	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.19E-04	6.46E-04	3.18E-04	3.11E-04	6.30E-04	3.14E-04	3.07E-04	6.22E-04
2263	495161.06, 3859901.99	0.00802	0.00784	1.22E-03	1.24E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.16E-04	6.38E-04	3.15E-04	3.08E-04	6.23E-04	3.11E-04	3.04E-04	6.15E-04
2264	495211.06, 3859901.99	0.00796	0.00779	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.13E-04	6.34E-04	3.13E-04	3.06E-04	6.18E-04	3.08E-04	3.02E-04	6.10E-04
2265	495261.06, 3859901.99	0.00786	0.00769	1.19E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.16E-04	3.09E-04	6.26E-04	3.09E-04	3.02E-04	6.11E-04	3.05E-04	2.98E-04	6.03E-04
2266	495311.06, 3859901.99	0.0078	0.00764	1.19E-03	1.21E-03	1.12E-03	1.14E-03	1.08E-03	3.14E-04	3.07E-04	6.21E-04	3.06E-04	3.00E-04	6.06E-04	3.02E-04	2.96E-04	5.98E-04
2267	495361.06, 3859901.99	0.00773	0.00756	1.17E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.04E-04	6.15E-04	3.04E-04	2.97E-04	6.00E-04	3.00E-04	2.93E-04	5.92E-04
2268	495411.06, 3859901.99	0.00764	0.00748	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.94E-04	5.94E-04	2.96E-04	2.90E-04	5.86E-04
2269	495461.06, 3859901.99	0.00756	0.00741	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.05E-03	3.04E-04	2.98E-04	6.02E-04	2.97E-04	2.91E-04	5.88E-04	2.93E-04	2.87E-04	5.80E-04
2270	495511.06, 3859901.99	0.0075	0.00735	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.98E-04	2.95E-04	2.89E-04	5.83E-04	2.91E-04	2.85E-04	5.75E-04
2271	495561.06, 3859901.99	0.00745	0.0073	1.13E-03	1.16E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.94E-04	5.94E-04	2.93E-04	2.87E-04	5.79E-04	2.89E-04	2.83E-04	5.72E-04
2272	495611.06, 3859901.99	0.00737	0.00723	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.88E-04	2.89E-04	2.84E-04	5.73E-04	2.86E-04	2.80E-04	5.66E-04
2273	495661.06, 3859901.99	0.00729	0.00715	1.11E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.88E-04	5.81E-04	2.86E-04	2.81E-04	5.67E-04	2.82E-04	2.77E-04	5.60E-04
2274	494311.06, 3859951.99	0.00978	0.00958	1.49E-03	1.52E-03	1.40E-03	1.43E-03	1.35E-03	3.94E-04	3.86E-04	7.79E-04	3.84E-04	3.76E-04	7.60E-04	3.79E-04	3.71E-04	7.50E-04
2275	494361.06, 3859951.99	0.00963	0.00944	1.46E-03	1.49E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.80E-04	7.67E-04	3.78E-04	3.71E-04	7.49E-04	3.73E-04	3.66E-04	7.39E-04
2276	494411.06, 3859951.99	0.00951	0.00931	1.45E-03	1.47E-03	1.36E-03	1.39E-03	1.32E-03	3.83E-04	3.75E-04	7.57E-04	3.73E-04	3.66E-04	7.39E-04	3.68E-04	3.61E-04	7.29E-04
2277	494461.06, 3859951.99	0.0094	0.00921	1.43E-03	1.46E-03	1.35E-03	1.38E-03	1.30E-03	3.78E-04	3.71E-04	7.49E-04	3.69E-04	3.62E-04	7.31E-04	3.64E-04	3.57E-04	7.21E-04
2278	494511.06, 3859951.99	0.00933	0.00914	1.42E-03	1.45E-03	1.34E-03	1.37E-03	1.29E-03	3.75E-04	3.68E-04	7.43E-04	3.66E-04	3.59E-04	7.25E-04	3.62E-04	3.54E-04	7.16E-04
2279	494561.06, 3859951.99	0.00937	0.00917	1.42E-03	1.45E-03	1.34E-03	1.37E-03	1.30E-03	3.77E-04	3.69E-04	7.46E-04	3.68E-04	3.60E-04	7.28E-04	3.63E-04	3.55E-04	7.18E-04
2280	494611.06, 3859951.99	0.00917	0.00898	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	3.61E-04	7.30E-04	3.60E-04	3.53E-04	7.13E-04	3.55E-04	3.48E-04	7.03E-04
2281	494661.06, 3859951.99	0.00916	0.00896	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	3.61E-04	7.29E-04	3.60E-04	3.52E-04	7.12E-04	3.55E-04	3.47E-04	7.02E-04
2282	494711.06, 3859951.99	0.00898	0.00878	1.36E-03	1.39E-03	1.29E-03	1.32E-03	1.24E-03	3.61E-04	3.53E-04	7.15E-04	3.53E-04	3.45E-04	6.97E-04	3.48E-04	3.40E-04	6.88E-04
2283	494761.06, 3859951.99	0.00892	0.00872	1.36E-03	1.38E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	3.51E-04	7.10E-04	3.50E-04	3.42E-04	6.93E-04	3.46E-04	3.38E-04	6.84E-04
2284	494811.06, 3859951.99	0.00884	0.00865	1.34E-03	1.37E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.48E-04	7.04E-04	3.47E-04	3.40E-04	6.87E-04	3.43E-04	3.35E-04	6.78E-04
2285	494861.06, 3859951.99	0.0088	0.00861	1.34E-03	1.36E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.46E-04	7.01E-04	3.46E-04	3.38E-04	6.84E-04	3.41E-04	3.34E-04	6.75E-04
2286	494911.06, 3859951.99	0.00868	0.00849	1.32E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.42E-04	6.91E-04	3.41E-04	3.33E-04	6.74E-04	3.36E-04	3.29E-04	6.65E-04
2287	494961.06, 3859951.99	0.00858	0.00839	1.30E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	3.38E-04	6.83E-04	3.37E-04	3.29E-04	6.66E-04	3.32E-04	3.25E-04	6.58E-04
2288	495011.06, 3859951.99	0.00849	0.0083	1.29E-03	1.31E-03	1.22E-03	1.24E-03	1.17E-03	3.42E-04	3.34E-04	6.76E-04	3.33E-04	3.26E-04	6.59E-04	3.29E-04	3.22E-04	6.51E-04
2289	495061.06, 3859951.99	0.00841	0.00823	1.28E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.31E-04	6.70E-04	3.30E-04	3.23E-04	6.53E-04	3.26E-04	3.19E-04	6.45E-04
2290	495111.06, 3859951.99	0.0083	0.00812	1.26E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.27E-04	6.61E-04	3.26E-04	3.19E-04	6.45E-04	3.22E-04	3.15E-04	6.36E-04
2291	495161.06, 3859951.99	0.0082	0.00803	1.25E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	3.23E-04	6.53E-04	3.22E-04	3.15E-04	6.37E-04	3.18E-04	3.11E-04	6.29E-04
2292	495211.06, 3859951.99	0.00811	0.00794	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.20E-04	6.46E-04	3.18E-04	3.12E-04	6.30E-04	3.14E-04	3.08E-04	6.22E-04
2293	495261.06, 3859951.99	0.00803	0.00786	1.22E-03	1.24E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.16E-04	6.39E-04	3.15E-04	3.09E-04	6.24E-04	3.11E-04	3.05E-04	6.16E-04
2294	495311.06, 3859951.99	0.00799	0.00782	1.21E-03	1.24E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.15E-04	6.36E-04	3.14E-04	3.07E-04	6.21E-04	3.10E-04	3.03E-04	6.13E-04
2295	495361.06, 3859951.99	0.00792	0.00775	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.10E-03	3.19E-04	3.12E-04	6.31E-04	3.11E-04	3.04E-04	6.15E-04	3.07E-04	3.00E-04	6.07E-04
2296	495411.06, 3859951.99	0.00783	0.00766	1.19E-03	1.21E-03	1.12E-03	1.15E-03	1.08E-03	3.15E-04	3.08E-04	6.23E-04	3.07E-04	3.01E-04	6.08E-04	3.03E-04	2.97E-04	6.00E-04
2297	495461.06, 3859951.99	0.00775	0.00759	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.05E-04	6.17E-04	3.04E-04	2.98E-04	6.02E-04	3.00E-04	2.94E-04	5.94E-04
2298	495511.06, 3859951.99	0.00767	0.00751	1.17E-03	1.19E-03	1.10E-03	1.12E-03	1.06E-03	3.09E-04	3.02E-04	6.11E-04	3.01E-04	2.95E-04	5.96E-04	2.97E-04	2.91E-04	5.88E-04
2299	495561.06, 3859951.99	0.00764	0.00748	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.94E-04	5.94E-04	2.96E-04	2.90E-04	5.86E-04
2300	495611.06, 3859951.99	0.00755	0.0074	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	2.98E-04	6.02E-04	2.96E-04	2.91E-04	5.87E-04	2.93E-04	2.87E-04	5.79E-04
2301	495661.06, 3859951.99	0.00746	0.00731	1.13E-03	1.16E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.94E-04	5.94E-04	2.93E-04	2.87E-04	5.80E-04	2.89E-04	2.83E-04	5.72E-04
2302	494311.06, 3860001.99	0.01002	0.00983	1.52E-03	1.56E-03	1.43E-03	1.47E-03	1.39E-03	4.03E-04	3.96E-04	7.99E-04	3.93E-04	3.86E-04	7.80E-04	3.88E-04	3.81E-04	7.69E-04
2303	494361.06, 3860001.99	0.0099	0.00971	1.50E-03	1.54E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	3.91E-04	7.89E-04	3.89E-04	3.81E-04	7.70E-04	3.84E-04	3.76E-04	7.60E-04
2304	494411.06, 3860001.99	0.00973	0.00954	1.48E-03	1.51E-03	1.39E-03	1.43E-03	1.35E-03	3.92E-04	3.84E-04	7.75E-04	3.82E-04	3.75E-04	7.57E-04	3.77E-04	3.70E-04	7.47E-04
2305	494461.06, 3860001.99	0.00965	0.00946	1.47E-03	1.50E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.81E-04	7.69E-04	3.79E-04	3.71E-04	7.50E-04	3.74E-04	3.67E-04	7.40E-04
2306	494511.06, 3860001.99	0.00952	0.00933	1.45E-03	1.48E-03	1.36E-03	1.40E-03	1.32E-03	3.83E-04	3.75E-04	7.59E-04	3.74E-04	3.66E-04	7.40E-04	3.69E-04	3.62E-04	7.30E-04

2307 494561.06, 3860001.99	0.00961	0.00941	1.46E-03	1.49E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.79E-04	7.65E-04	3.77E-04	3.70E-04	7.47E-04	3.72E-04	3.65E-04	7.37E-04
2308 494611.06, 3860001.99	0.00947	0.00928	1.44E-03	1.47E-03	1.36E-03	1.39E-03	1.31E-03	3.81E-04	3.73E-04	7.55E-04	3.72E-04	3.64E-04	7.36E-04	3.67E-04	3.60E-04	7.27E-04
2309 494661.06, 3860001.99	0.00939	0.0092	1.43E-03	1.46E-03	1.34E-03	1.38E-03	1.30E-03	3.78E-04	3.70E-04	7.48E-04	3.69E-04	3.61E-04	7.30E-04	3.64E-04	3.56E-04	7.20E-04
2310 494711.06, 3860001.99	0.00914	0.00895	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.26E-03	3.68E-04	3.60E-04	7.28E-04	3.59E-04	3.51E-04	7.10E-04	3.54E-04	3.47E-04	7.01E-04
2311 494761.06, 3860001.99	0.00915	0.00896	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.27E-03	3.68E-04	3.61E-04	7.29E-04	3.59E-04	3.52E-04	7.11E-04	3.55E-04	3.47E-04	7.02E-04
2312 494811.06, 3860001.99	0.00909	0.0089	1.38E-03	1.41E-03	1.30E-03	1.33E-03	1.26E-03	3.66E-04	3.58E-04	7.24E-04	3.57E-04	3.50E-04	7.06E-04	3.52E-04	3.45E-04	6.97E-04
2313 494861.06, 3860001.99	0.00905	0.00885	1.38E-03	1.40E-03	1.30E-03	1.33E-03	1.25E-03	3.64E-04	3.56E-04	7.20E-04	3.55E-04	3.48E-04	7.03E-04	3.51E-04	3.43E-04	6.94E-04
2314 494911.06, 3860001.99	0.00882	0.00864	1.34E-03	1.37E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.48E-04	7.03E-04	3.46E-04	3.39E-04	6.86E-04	3.42E-04	3.35E-04	6.77E-04
2315 494961.06, 3860001.99	0.00877	0.00859	1.33E-03	1.36E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	3.46E-04	6.99E-04	3.44E-04	3.37E-04	6.82E-04	3.40E-04	3.33E-04	6.73E-04
2316 495011.06, 3860001.99	0.00867	0.00848	1.32E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.41E-04	6.90E-04	3.40E-04	3.33E-04	6.73E-04	3.36E-04	3.29E-04	6.65E-04
2317 495061.06, 3860001.99	0.00862	0.00844	1.31E-03	1.34E-03	1.23E-03	1.26E-03	1.19E-03	3.47E-04	3.40E-04	6.87E-04	3.39E-04	3.31E-04	6.70E-04	3.34E-04	3.27E-04	6.61E-04
2318 495111.06, 3860001.99	0.00851	0.00833	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.42E-04	3.35E-04	6.78E-04	3.34E-04	3.27E-04	6.61E-04	3.30E-04	3.23E-04	6.53E-04
2319 495161.06, 3860001.99	0.00841	0.00823	1.28E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.31E-04	6.70E-04	3.30E-04	3.23E-04	6.53E-04	3.26E-04	3.19E-04	6.45E-04
2320 495211.06, 3860001.99	0.00836	0.00818	1.27E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.36E-04	3.29E-04	6.66E-04	3.28E-04	3.21E-04	6.50E-04	3.24E-04	3.17E-04	6.41E-04
2321 495261.06, 3860001.99	0.00827	0.00809	1.26E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.33E-04	3.26E-04	6.58E-04	3.25E-04	3.18E-04	6.42E-04	3.20E-04	3.13E-04	6.34E-04
2322 495311.06, 3860001.99	0.0082	0.00802	1.25E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	3.23E-04	6.53E-04	3.22E-04	3.15E-04	6.37E-04	3.18E-04	3.11E-04	6.29E-04
2323 495361.06, 3860001.99	0.00807	0.0079	1.23E-03	1.25E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.18E-04	6.43E-04	3.17E-04	3.10E-04	6.27E-04	3.13E-04	3.06E-04	6.19E-04
2324 495411.06, 3860001.99	0.00803	0.00787	1.22E-03	1.25E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.17E-04	6.40E-04	3.15E-04	3.09E-04	6.24E-04	3.11E-04	3.05E-04	6.16E-04
2325 495461.06, 3860001.99	0.00796	0.00779	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.13E-04	6.34E-04	3.13E-04	3.06E-04	6.18E-04	3.08E-04	3.02E-04	6.10E-04
2326 495511.06, 3860001.99	0.00788	0.00772	1.20E-03	1.22E-03	1.13E-03	1.16E-03	1.09E-03	3.17E-04	3.11E-04	6.28E-04	3.09E-04	3.03E-04	6.13E-04	3.05E-04	2.99E-04	6.04E-04
2327 495561.06, 3860001.99	0.00784	0.00767	1.19E-03	1.21E-03	1.12E-03	1.15E-03	1.08E-03	3.16E-04	3.09E-04	6.24E-04	3.08E-04	3.01E-04	6.09E-04	3.04E-04	2.97E-04	6.01E-04
2328 495611.06, 3860001.99	0.00775	0.00759	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.05E-04	6.17E-04	3.04E-04	2.98E-04	6.02E-04	3.00E-04	2.94E-04	5.94E-04
2329 495661.06, 3860001.99	0.00766	0.0075	1.16E-03	1.19E-03	1.10E-03	1.12E-03	1.06E-03	3.08E-04	3.02E-04	6.10E-04	3.01E-04	2.95E-04	5.95E-04	2.97E-04	2.91E-04	5.87E-04
2330 494411.06, 3860051.99	0.01001	0.00982	1.52E-03	1.55E-03	1.43E-03	1.47E-03	1.38E-03	4.03E-04	3.95E-04	7.98E-04	3.93E-04	3.86E-04	7.79E-04	3.88E-04	3.81E-04	7.68E-04
2331 494461.06, 3860051.99	0.00989	0.0097	1.50E-03	1.54E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	3.90E-04	7.88E-04	3.88E-04	3.81E-04	7.69E-04	3.83E-04	3.76E-04	7.59E-04
2332 494511.06, 3860051.99	0.00978	0.00959	1.49E-03	1.52E-03	1.40E-03	1.43E-03	1.35E-03	3.94E-04	3.86E-04	7.80E-04	3.84E-04	3.77E-04	7.61E-04	3.79E-04	3.72E-04	7.51E-04
2333 494561.06, 3860051.99	0.00979	0.0096	1.49E-03	1.52E-03	1.40E-03	1.44E-03	1.35E-03	3.94E-04	3.86E-04	7.80E-04	3.84E-04	3.77E-04	7.61E-04	3.79E-04	3.72E-04	7.51E-04
2334 494611.06, 3860051.99	0.00973	0.00954	1.48E-03	1.51E-03	1.39E-03	1.43E-03	1.35E-03	3.92E-04	3.84E-04	7.75E-04	3.82E-04	3.75E-04	7.57E-04	3.77E-04	3.70E-04	7.47E-04
2335 494661.06, 3860051.99	0.00965	0.00946	1.47E-03	1.50E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.81E-04	7.69E-04	3.79E-04	3.71E-04	7.50E-04	3.74E-04	3.67E-04	7.40E-04
2336 494711.06, 3860051.99	0.00947	0.00928	1.44E-03	1.47E-03	1.36E-03	1.39E-03	1.31E-03	3.81E-04	3.73E-04	7.55E-04	3.72E-04	3.64E-04	7.36E-04	3.67E-04	3.60E-04	7.27E-04
2337 494761.06, 3860051.99	0.0094	0.00921	1.43E-03	1.46E-03	1.35E-03	1.38E-03	1.30E-03	3.78E-04	3.71E-04	7.49E-04	3.69E-04	3.62E-04	7.31E-04	3.64E-04	3.57E-04	7.21E-04
2338 494811.06, 3860051.99	0.00938	0.00918	1.43E-03	1.45E-03	1.34E-03	1.38E-03	1.30E-03	3.77E-04	3.69E-04	7.47E-04	3.68E-04	3.60E-04	7.29E-04	3.63E-04	3.56E-04	7.19E-04
2339 494861.06, 3860051.99	0.00934	0.00915	1.42E-03	1.45E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	3.68E-04	7.44E-04	3.67E-04	3.59E-04	7.26E-04	3.62E-04	3.55E-04	7.16E-04
2340 494911.06, 3860051.99	0.0092	0.00901	1.40E-03	1.43E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.63E-04	7.33E-04	3.61E-04	3.54E-04	7.15E-04	3.56E-04	3.49E-04	7.06E-04
2341 494961.06, 3860051.99	0.00906	0.00887	1.38E-03	1.40E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.57E-04	7.22E-04	3.56E-04	3.48E-04	7.04E-04	3.51E-04	3.44E-04	6.95E-04
2342 495011.06, 3860051.99	0.00893	0.00875	1.36E-03	1.39E-03	1.28E-03	1.31E-03	1.24E-03	3.59E-04	3.52E-04	7.11E-04	3.51E-04	3.44E-04	6.94E-04	3.46E-04	3.39E-04	6.85E-04
2343 495061.06, 3860051.99	0.00884	0.00865	1.34E-03	1.37E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.48E-04	7.04E-04	3.47E-04	3.40E-04	6.87E-04	3.43E-04	3.35E-04	6.78E-04
2344 495111.06, 3860051.99	0.00871	0.00853	1.32E-03	1.35E-03	1.25E-03	1.28E-03	1.20E-03	3.51E-04	3.43E-04	6.94E-04	3.42E-04	3.35E-04	6.77E-04	3.37E-04	3.31E-04	6.68E-04
2345 495161.06, 3860051.99	0.00862	0.00844	1.31E-03	1.34E-03	1.23E-03	1.26E-03	1.19E-03	3.47E-04	3.40E-04	6.87E-04	3.39E-04	3.31E-04	6.70E-04	3.34E-04	3.27E-04	6.61E-04
2346 495211.06, 3860051.99	0.00852	0.00834	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.36E-04	6.78E-04	3.35E-04	3.28E-04	6.62E-04	3.30E-04	3.23E-04	6.53E-04
2347 495261.06, 3860051.99	0.00846	0.00828	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	3.33E-04	6.74E-04	3.32E-04	3.25E-04	6.57E-04	3.28E-04	3.21E-04	6.49E-04
2348 495311.06, 3860051.99	0.0084	0.00822	1.28E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.31E-04	6.69E-04	3.30E-04	3.23E-04	6.53E-04	3.25E-04	3.19E-04	6.44E-04
2349 495361.06, 3860051.99	0.00833	0.00816	1.27E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	3.28E-04	6.64E-04	3.27E-04	3.20E-04	6.48E-04	3.23E-04	3.16E-04	6.39E-04
2350 495411.06, 3860051.99	0.00826	0.00808	1.26E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.25E-04	6.58E-04	3.24E-04	3.17E-04	6.42E-04	3.20E-04	3.13E-04	6.33E-04
2351 495461.06, 3860051.99	0.00817	0.008	1.24E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.22E-04	6.51E-04	3.21E-04	3.14E-04	6.35E-04	3.17E-04	3.10E-04	6.27E-04
2352 495511.06, 3860051.99	0.00811	0.00794	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.20E-04	6.46E-04	3.18E-04	3.12E-04	6.30E-04	3.14E-04	3.08E-04	6.22E-04
2353 495561.06, 3860051.99	0.00804	0.00787	1.22E-03	1.25E-03	1.15E-03	1.18E-03	1.11E-03	3.24E-04	3.17E-04	6.40E-04	3.16E-04	3.09E-04	6.25E-04	3.12E-04	3.05E-04	6.16E-04
2354 495611.06, 3860051.99	0.00795	0.00779	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.13E-04	6.33E-04	3.12E-04	3.06E-04	6.18E-04	3.08E-04	3.02E-04	6.10E-04
2355 495661.06, 3860051.99	0.00785	0.00769	1.19E-03	1.22E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	3.09E-04	6.25E-04	3.08E-04	3.02E-04	6.10E-04	3.04E-04	2.98E-04	6.02E-04
2356 494411.06, 3860101.99	0.01017	0.00999	1.55E-03	1.58E-03	1.46E-03	1.49E-03	1.41E-03	4.09E-04	4.02E-04	8.11E-04	3.99E-04	3.92E-04	7.92E-04	3.94E-04	3.87E-04	7.81E-04
2357 494461.06, 3860101.99	0.01017	0.00998	1.55E-03	1.58E-03	1.46E-03	1.49E-03	1.41E-03	4.09E-04	4.02E-04	8.11E-04	3.99E-04	3.92E-04	7.91E-04	3.94E-04	3.87E-04	7.81E-04
2358 494511.06, 3860101.99	0.00999	0.00981	1.52E-03	1.55E-03	1.43E-03	1.46E-03	1.38E-03	4.02E-04	3.95E-04	7.97E-04	3.92E-04	3.85E-04	7.78E-04	3.87E-04	3.80E-04	7.67E-04
2359 494561.06, 3860101.99	0.00994	0.00975	1.51E-03	1.54E-03	1.42E-03	1.46E-03	1.37E-03	4.00E-04	3.92E-04	7.92E-04	3.90E-04	3.83E-04	7.73E-04	3.85E-04	3.78E-04	7.63E-04
2360 494611.06, 3860101.99	0.00995	0.00976	1.51E-03	1.55E-03	1.42E-03	1.46E-03	1.38E-03	4.00E-04	3.93E-04	7.93E-04	3.91E-04	3.83E-04	7.74E-04	3.86E-04	3.78E-04	7.64E-04
2361 494661.06, 3860101.99	0.00989	0.0097	1.50E-03	1.54E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	3.90E-04	7.88E-04	3.88E-04	3.81E-04	7.69E-04	3.83E-04	3.76E-04	7.59E-04
2362 494711.06, 3860101.99	0.00972	0.00953	1.48E-03	1.51E-03	1.39E-03	1.43E-03	1.34E-03	3.91E-04	3.84E-04	7.75E-04	3.82E-04	3.74E-04	7.56E-04	3.77E-04	3.69E-04	7.46E-04
2363 494761.06, 3860101.99	0.00965	0.00946	1.47E-03	1.50E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.81E-04	7.69E-04	3.79E-04	3.71E-04	7.50E-04	3.74E-04	3.67E-04	7.40E-04
2364 494811.06, 3860101.99	0.00959	0.0094	1.46E-03	1.49E-03	1.37E-03	1.41E-03	1.33E-03	3.86E-04	3.78E-04	7.64E-04	3.77E-04	3.69E-04	7.46E-04	3.72E-04	3.64E-04	7.36E-04
2365 494861.06, 3860101.99	0.00965	0.00945	1.47E-03	1.50E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.80E-04	7.69E-04	3.79E-04	3.71E-04	7.50E-04	3.74E-04	3.66E-04	7.40E-04
2366 494911.06, 3860101.99	0.00936	0.00917	1.42E-03	1.45E-03	1.34E-03	1.37E-03	1.29E-03	3.77E-04	3.69E-04	7.46E-04	3.68E-04	3.60E-04	7.28E-04	3.63E-04	3.55E-04	7.18E-04
2367 494961.06, 3860101.99	0.00928	0.00909	1.41E-03	1.44E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	3.66E-04	7.39E-04	3.64E-04	3.57E-04	7.21E-04	3.60E-04	3.52E-04	7.12E-04
2368 495011.06, 3860101.99	0.00916	0.00897	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	3.61E-04	7.30E-04	3.60E-04	3.52E-04	7.12E-04	3.55E-04	3.48E-04	7.03E-04
2369 495061.06, 3860101.99	0.00905	0.00886	1.38E-03	1.40E-03	1.30E-03	1.33E-03	1.25E-03	3.64E-04	3.57E-04	7.21E-04	3.55E-04	3.48E-04	7.03E-04	3.51E-04	3.43E-04	6.94E-04
2370 495111.06, 3860101.99	0.00891	0.00873	1.35E-03	1.38E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	3.51E-04	7.10E-04	3.50E-04	3.43E-04	6.93E-04	3.45E-04	3.38E-04	6.84E-04
2371 495161.06, 3860101.99	0.00885	0.00867	1.34E-03	1.37E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.49E-04	7.05E-04	3.48E-04	3.40E-04	6.88E-04	3.43E-04	3.36E-04	6.79E-04
2372 495211.06, 3860101.99	0.00876	0.00858	1.33E-03	1.36E-03	1.25E-03	1.28E-03	1.21E-03	3.53E-04	3.45E-04	6.98E-04	3.44E-04	3.37E-04	6.81E-04	3.39E-04	3.32E-04	6.72E-04

2373 495261.06, 3860101.99	0.00868	0.0085	1.32E-03	1.35E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.42E-04	6.91E-04	3.41E-04	3.34E-04	6.75E-04	3.36E-04	3.29E-04	6.66E-04
2374 495311.06, 3860101.99	0.0086	0.00842	1.31E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.39E-04	6.85E-04	3.38E-04	3.31E-04	6.68E-04	3.33E-04	3.26E-04	6.59E-04
2375 495361.06, 3860101.99	0.00855	0.00837	1.30E-03	1.33E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.37E-04	6.81E-04	3.36E-04	3.29E-04	6.64E-04	3.31E-04	3.24E-04	6.56E-04
2376 495411.06, 3860101.99	0.00847	0.00829	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.34E-04	6.74E-04	3.33E-04	3.26E-04	6.58E-04	3.28E-04	3.21E-04	6.49E-04
2377 495461.06, 3860101.99	0.00835	0.00817	1.27E-03	1.29E-03	1.20E-03	1.22E-03	1.15E-03	3.36E-04	3.29E-04	6.65E-04	3.28E-04	3.21E-04	6.49E-04	3.24E-04	3.17E-04	6.40E-04
2378 495511.06, 3860101.99	0.0083	0.00813	1.26E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.27E-04	6.61E-04	3.26E-04	3.19E-04	6.45E-04	3.22E-04	3.15E-04	6.37E-04
2379 495561.06, 3860101.99	0.00825	0.00808	1.25E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.25E-04	6.57E-04	3.24E-04	3.17E-04	6.41E-04	3.20E-04	3.13E-04	6.33E-04
2380 495611.06, 3860101.99	0.00814	0.00797	1.24E-03	1.26E-03	1.17E-03	1.19E-03	1.13E-03	3.28E-04	3.21E-04	6.48E-04	3.20E-04	3.13E-04	6.33E-04	3.15E-04	3.09E-04	6.24E-04
2381 495661.06, 3860101.99	0.00807	0.0079	1.23E-03	1.25E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.18E-04	6.43E-04	3.17E-04	3.10E-04	6.27E-04	3.13E-04	3.06E-04	6.19E-04
2382 494861.06, 3860151.99	0.00998	0.00978	1.52E-03	1.55E-03	1.43E-03	1.46E-03	1.38E-03	4.02E-04	3.94E-04	7.95E-04	3.92E-04	3.84E-04	7.76E-04	3.87E-04	3.79E-04	7.66E-04
2383 494911.06, 3860151.99	0.00965	0.00946	1.47E-03	1.50E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.81E-04	7.69E-04	3.79E-04	3.71E-04	7.50E-04	3.74E-04	3.67E-04	7.40E-04
2384 494961.06, 3860151.99	0.00953	0.00934	1.45E-03	1.48E-03	1.36E-03	1.40E-03	1.32E-03	3.84E-04	3.76E-04	7.59E-04	3.74E-04	3.67E-04	7.41E-04	3.69E-04	3.62E-04	7.31E-04
2385 495011.06, 3860151.99	0.0094	0.00922	1.43E-03	1.46E-03	1.35E-03	1.38E-03	1.30E-03	3.78E-04	3.71E-04	7.49E-04	3.69E-04	3.62E-04	7.31E-04	3.64E-04	3.57E-04	7.21E-04
2386 495061.06, 3860151.99	0.00928	0.0091	1.41E-03	1.44E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	3.66E-04	7.40E-04	3.64E-04	3.57E-04	7.22E-04	3.60E-04	3.53E-04	7.12E-04
2387 495111.06, 3860151.99	0.00919	0.009	1.40E-03	1.42E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.62E-04	7.32E-04	3.61E-04	3.53E-04	7.14E-04	3.56E-04	3.49E-04	7.05E-04
2388 495161.06, 3860151.99	0.0091	0.00892	1.38E-03	1.41E-03	1.30E-03	1.33E-03	1.26E-03	3.66E-04	3.59E-04	7.25E-04	3.57E-04	3.50E-04	7.08E-04	3.53E-04	3.46E-04	6.98E-04
2389 495211.06, 3860151.99	0.009	0.00882	1.37E-03	1.40E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	3.55E-04	7.17E-04	3.53E-04	3.46E-04	7.00E-04	3.49E-04	3.42E-04	6.90E-04
2390 495261.06, 3860151.99	0.00893	0.00875	1.36E-03	1.39E-03	1.28E-03	1.31E-03	1.24E-03	3.59E-04	3.52E-04	7.11E-04	3.51E-04	3.44E-04	6.94E-04	3.46E-04	3.39E-04	6.85E-04
2391 495311.06, 3860151.99	0.00885	0.00867	1.34E-03	1.37E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.49E-04	7.05E-04	3.48E-04	3.40E-04	6.88E-04	3.43E-04	3.36E-04	6.79E-04
2392 495361.06, 3860151.99	0.00878	0.0086	1.33E-03	1.36E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	3.46E-04	6.99E-04	3.45E-04	3.38E-04	6.83E-04	3.40E-04	3.33E-04	6.73E-04
2393 495411.06, 3860151.99	0.0087	0.00852	1.32E-03	1.35E-03	1.25E-03	1.28E-03	1.20E-03	3.50E-04	3.43E-04	6.93E-04	3.42E-04	3.35E-04	6.76E-04	3.37E-04	3.30E-04	6.67E-04
2394 495461.06, 3860151.99	0.00862	0.00844	1.31E-03	1.34E-03	1.23E-03	1.26E-03	1.19E-03	3.47E-04	3.40E-04	6.87E-04	3.39E-04	3.31E-04	6.70E-04	3.34E-04	3.27E-04	6.61E-04
2395 495511.06, 3860151.99	0.00852	0.00835	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.36E-04	6.79E-04	3.35E-04	3.28E-04	6.62E-04	3.30E-04	3.24E-04	6.54E-04
2396 495561.06, 3860151.99	0.00846	0.00829	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	3.34E-04	6.74E-04	3.32E-04	3.26E-04	6.58E-04	3.28E-04	3.21E-04	6.49E-04
2397 495611.06, 3860151.99	0.00837	0.0082	1.27E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.37E-04	3.30E-04	6.67E-04	3.29E-04	3.22E-04	6.51E-04	3.24E-04	3.18E-04	6.42E-04
2398 495661.06, 3860151.99	0.00827	0.0081	1.26E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.33E-04	3.26E-04	6.59E-04	3.25E-04	3.18E-04	6.43E-04	3.20E-04	3.14E-04	6.34E-04
2399 495718.25, 3859442.96	0.0058	0.00575	8.81E-04	9.10E-04	8.30E-04	8.50E-04	8.02E-04	2.33E-04	2.31E-04	4.65E-04	2.28E-04	2.26E-04	4.54E-04	2.25E-04	2.23E-04	4.48E-04
2400 495818.25, 3859442.96	0.00569	0.00565	8.65E-04	8.95E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.27E-04	4.56E-04	2.23E-04	2.22E-04	4.45E-04	2.20E-04	2.19E-04	4.39E-04
2401 495918.25, 3859442.96	0.00561	0.00557	8.52E-04	8.82E-04	8.03E-04	8.23E-04	7.76E-04	2.26E-04	2.24E-04	4.50E-04	2.20E-04	2.19E-04	4.39E-04	2.17E-04	2.16E-04	4.33E-04
2402 496018.25, 3859442.96	0.00554	0.00551	8.42E-04	8.72E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.22E-04	4.45E-04	2.18E-04	2.16E-04	4.34E-04	2.15E-04	2.14E-04	4.28E-04
2403 496118.25, 3859442.96	0.00554	0.0055	8.42E-04	8.71E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.21E-04	4.44E-04	2.18E-04	2.16E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
2404 496218.25, 3859442.96	0.00552	0.00549	8.39E-04	8.69E-04	7.90E-04	8.09E-04	7.63E-04	2.22E-04	2.21E-04	4.43E-04	2.17E-04	2.16E-04	4.32E-04	2.14E-04	2.13E-04	4.27E-04
2405 496318.25, 3859442.96	0.00546	0.00543	8.30E-04	8.60E-04	7.82E-04	8.01E-04	7.55E-04	2.20E-04	2.19E-04	4.38E-04	2.14E-04	2.13E-04	4.28E-04	2.12E-04	2.10E-04	4.22E-04
2406 496418.25, 3859442.96	0.0054	0.00537	8.21E-04	8.50E-04	7.73E-04	7.92E-04	7.47E-04	2.17E-04	2.16E-04	4.33E-04	2.12E-04	2.11E-04	4.23E-04	2.09E-04	2.08E-04	4.17E-04
2407 495718.25, 3859542.96	0.00607	0.00601	9.22E-04	9.52E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.42E-04	4.86E-04	2.38E-04	2.36E-04	4.74E-04	2.35E-04	2.33E-04	4.68E-04
2408 495818.25, 3859542.96	0.00598	0.00592	9.09E-04	9.37E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.38E-04	4.79E-04	2.35E-04	2.32E-04	4.67E-04	2.32E-04	2.29E-04	4.61E-04
2409 495918.25, 3859542.96	0.00587	0.00582	8.92E-04	9.21E-04	8.40E-04	8.61E-04	8.12E-04	2.36E-04	2.34E-04	4.70E-04	2.31E-04	2.29E-04	4.59E-04	2.27E-04	2.26E-04	4.53E-04
2410 496018.25, 3859542.96	0.00578	0.00574	8.78E-04	9.09E-04	8.27E-04	8.48E-04	7.99E-04	2.33E-04	2.31E-04	4.64E-04	2.27E-04	2.25E-04	4.52E-04	2.24E-04	2.22E-04	4.46E-04
2411 496118.25, 3859542.96	0.00578	0.00573	8.78E-04	9.07E-04	8.27E-04	8.48E-04	7.99E-04	2.33E-04	2.31E-04	4.63E-04	2.27E-04	2.25E-04	4.52E-04	2.24E-04	2.22E-04	4.46E-04
2412 496218.25, 3859542.96	0.00575	0.0057	8.74E-04	9.02E-04	8.23E-04	8.43E-04	7.95E-04	2.31E-04	2.29E-04	4.61E-04	2.26E-04	2.24E-04	4.50E-04	2.23E-04	2.21E-04	4.44E-04
2413 496318.25, 3859542.96	0.00571	0.00566	8.68E-04	8.96E-04	8.17E-04	8.37E-04	7.90E-04	2.30E-04	2.28E-04	4.58E-04	2.24E-04	2.22E-04	4.46E-04	2.21E-04	2.19E-04	4.41E-04
2414 496418.25, 3859542.96	0.00563	0.00558	8.55E-04	8.83E-04	8.06E-04	8.26E-04	7.79E-04	2.27E-04	2.25E-04	4.51E-04	2.21E-04	2.19E-04	4.40E-04	2.18E-04	2.16E-04	4.34E-04
2415 495718.25, 3859642.96	0.00635	0.00626	9.65E-04	9.91E-04	9.09E-04	9.31E-04	8.78E-04	2.56E-04	2.52E-04	5.07E-04	2.49E-04	2.46E-04	4.95E-04	2.46E-04	2.43E-04	4.89E-04
2416 495818.25, 3859642.96	0.00623	0.00616	9.47E-04	9.75E-04	8.92E-04	9.13E-04	8.62E-04	2.51E-04	2.48E-04	4.99E-04	2.45E-04	2.42E-04	4.87E-04	2.41E-04	2.39E-04	4.80E-04
2417 495918.25, 3859642.96	0.00615	0.00608	9.35E-04	9.63E-04	8.80E-04	9.02E-04	8.51E-04	2.47E-04	2.45E-04	4.92E-04	2.42E-04	2.39E-04	4.80E-04	2.38E-04	2.36E-04	4.74E-04
2418 496018.25, 3859642.96	0.00605	0.00599	9.19E-04	9.48E-04	8.66E-04	8.87E-04	8.37E-04	2.43E-04	2.41E-04	4.85E-04	2.38E-04	2.35E-04	4.73E-04	2.34E-04	2.32E-04	4.67E-04
2419 496118.25, 3859642.96	0.00606	0.00599	9.21E-04	9.48E-04	8.68E-04	8.89E-04	8.38E-04	2.44E-04	2.41E-04	4.85E-04	2.38E-04	2.35E-04	4.73E-04	2.35E-04	2.32E-04	4.67E-04
2420 496218.25, 3859642.96	0.00604	0.00597	9.18E-04	9.45E-04	8.65E-04	8.86E-04	8.35E-04	2.43E-04	2.40E-04	4.83E-04	2.37E-04	2.34E-04	4.72E-04	2.34E-04	2.31E-04	4.65E-04
2421 496318.25, 3859642.96	0.00596	0.00589	9.06E-04	9.33E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.37E-04	4.77E-04	2.34E-04	2.31E-04	4.65E-04	2.31E-04	2.28E-04	4.59E-04
2422 496418.25, 3859642.96	0.00574	0.00569	8.72E-04	9.01E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	2.29E-04	4.60E-04	2.25E-04	2.23E-04	4.49E-04	2.22E-04	2.20E-04	4.43E-04
2423 495718.25, 3859742.96	0.00669	0.00659	1.02E-03	1.04E-03	9.58E-04	9.81E-04	9.25E-04	2.69E-04	2.65E-04	5.34E-04	2.63E-04	2.59E-04	5.22E-04	2.59E-04	2.55E-04	5.15E-04
2424 495818.25, 3859742.96	0.00656	0.00646	9.97E-04	1.02E-03	9.39E-04	9.62E-04	9.07E-04	2.64E-04	2.60E-04	5.24E-04	2.58E-04	2.54E-04	5.11E-04	2.54E-04	2.50E-04	5.05E-04
2425 495918.25, 3859742.96	0.00645	0.00636	9.80E-04	1.01E-03	9.23E-04	9.46E-04	8.92E-04	2.60E-04	2.56E-04	5.16E-04	2.53E-04	2.50E-04	5.03E-04	2.50E-04	2.46E-04	4.96E-04
2426 496018.25, 3859742.96	0.00634	0.00625	9.63E-04	9.90E-04	9.08E-04	9.30E-04	8.77E-04	2.55E-04	2.52E-04	5.07E-04	2.49E-04	2.45E-04	4.94E-04	2.46E-04	2.42E-04	4.88E-04
2427 496118.25, 3859742.96	0.00633	0.00624	9.62E-04	9.88E-04	9.06E-04	9.28E-04	8.75E-04	2.55E-04	2.51E-04	5.06E-04	2.49E-04	2.45E-04	4.94E-04	2.45E-04	2.42E-04	4.87E-04
2428 496218.25, 3859742.96	0.00635	0.00626	9.65E-04	9.91E-04	9.09E-04	9.31E-04	8.78E-04	2.56E-04	2.52E-04	5.07E-04	2.49E-04	2.46E-04	4.95E-04	2.46E-04	2.43E-04	4.89E-04
2429 496318.25, 3859742.96	0.00613	0.00606	9.31E-04	9.59E-04	8.78E-04	8.99E-04	8.48E-04	2.47E-04	2.44E-04	4.91E-04	2.41E-04	2.38E-04	4.79E-04	2.38E-04	2.35E-04	4.72E-04
2430 496418.25, 3859742.96	0.00592	0.00586	9.00E-04	9.28E-04	8.48E-04	8.68E-04	8.19E-04	2.38E-04	2.36E-04	4.74E-04	2.32E-04	2.30E-04	4.63E-04	2.29E-04	2.27E-04	4.56E-04
2431 495718.25, 3859842.96	0.00703	0.0069	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.72E-04	2.83E-04	2.78E-04	5.61E-04	2.76E-04	2.71E-04	5.47E-04	2.72E-04	2.67E-04	5.40E-04
2432 495818.25, 3859842.96	0.00691	0.00679	1.05E-03	1.08E-03	9.89E-04	1.01E-03	9.56E-04	2.78E-04	2.73E-04	5.51E-04	2.71E-04	2.67E-04	5.38E-04	2.68E-04	2.63E-04	5.31E-04
2433 495918.25, 3859842.96	0.00679	0.00667	1.03E-03	1.06E-03	9.72E-04	9.96E-04	9.39E-04	2.73E-04	2.68E-04	5.42E-04	2.67E-04	2.62E-04	5.29E-04	2.63E-04	2.58E-04	5.22E-04
2434 496018.25, 3859842.96	0.00671	0.0066	1.02E-03	1.04E-03	9.61E-04	9.84E-04	9.28E-04	2.70E-04	2.66E-04	5.36E-04	2.64E-04	2.59E-04	5.23E-04	2.60E-04	2.56E-04	5.16E-04
2435 496118.25, 3859842.96	0.00672	0.00661	1.02E-03	1.05E-03	9.62E-04	9.85E-04	9.29E-04	2.70E-04	2.66E-04	5.36E-04	2.64E-04	2.60E-04	5.23E-04	2.60E-04	2.56E-04	5.17E-04
2436 496218.25, 3859842.96	0.00652	0.00642	9.91E-04	1.02E-03	9.33E-04	9.56E-04	9.02E-04	2.62E-04	2.58E-04	5.21E-04	2.56E-04	2.52E-04	5.08E-04	2.53E-04	2.49E-04	5.01E-04
2437 496318.25, 3859842.96	0.00614	0.00607	9.33E-04	9.61E-04	8.79E-04	9.00E-04	8.49E-04	2.47E-04	2.44E-04	4.91E-04	2.41E-04	2.38E-04	4.79E-04	2.38E-04	2.35E-04	4.73E-04
2438 496418.25, 3859842.96	0.00592	0.00587	9.00E-04	9.29E-04	8.48E-04	8.68E-04	8.19E-04	2.38E-04	2.36E-04	4.74E-04	2.32E-04	2.31E-04	4.63E-04	2.29E-04	2.27E-04	4.57E-04

2439 495718.25, 3859942.96	0.00737	0.00723	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.88E-04	2.89E-04	2.84E-04	5.73E-04	2.86E-04	2.80E-04	5.66E-04
2440 495818.25, 3859942.96	0.00723	0.0071	1.10E-03	1.12E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	2.86E-04	5.77E-04	2.84E-04	2.79E-04	5.63E-04	2.80E-04	2.75E-04	5.55E-04
2441 495918.25, 3859942.96	0.00713	0.007	1.08E-03	1.11E-03	1.02E-03	1.05E-03	9.86E-04	2.87E-04	2.82E-04	5.69E-04	2.80E-04	2.75E-04	5.55E-04	2.76E-04	2.71E-04	5.48E-04
2442 496018.25, 3859942.96	0.00712	0.00699	1.08E-03	1.11E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.81E-04	5.68E-04	2.80E-04	2.74E-04	5.54E-04	2.76E-04	2.71E-04	5.47E-04
2443 496118.25, 3859942.96	0.00693	0.00681	1.05E-03	1.08E-03	9.92E-04	1.02E-03	9.58E-04	2.79E-04	2.74E-04	5.53E-04	2.72E-04	2.67E-04	5.40E-04	2.69E-04	2.64E-04	5.32E-04
2444 496218.25, 3859942.96	0.00664	0.00654	1.01E-03	1.04E-03	9.51E-04	9.74E-04	9.18E-04	2.67E-04	2.63E-04	5.30E-04	2.61E-04	2.57E-04	5.18E-04	2.57E-04	2.53E-04	5.11E-04
2445 496318.25, 3859942.96	0.00637	0.00628	9.68E-04	9.94E-04	9.12E-04	9.34E-04	8.81E-04	2.56E-04	2.53E-04	5.09E-04	2.50E-04	2.47E-04	4.97E-04	2.47E-04	2.43E-04	4.90E-04
2446 496418.25, 3859942.96	0.00605	0.00599	9.19E-04	9.48E-04	8.66E-04	8.87E-04	8.37E-04	2.43E-04	2.41E-04	4.85E-04	2.38E-04	2.35E-04	4.73E-04	2.34E-04	2.32E-04	4.67E-04
2447 496856.82, 3858864.83	0.00426	0.00426	6.47E-04	6.74E-04	6.10E-04	6.25E-04	5.89E-04	1.71E-04	1.71E-04	3.43E-04	1.67E-04	1.67E-04	3.35E-04	1.65E-04	1.65E-04	3.30E-04
2448 496956.82, 3858864.83	0.00422	0.00422	6.41E-04	6.68E-04	6.04E-04	6.19E-04	5.84E-04	1.70E-04	1.70E-04	3.40E-04	1.66E-04	1.66E-04	3.31E-04	1.64E-04	1.64E-04	3.27E-04
2449 497056.82, 3858864.83	0.00418	0.00418	6.35E-04	6.62E-04	5.98E-04	6.13E-04	5.78E-04	1.68E-04	1.68E-04	3.36E-04	1.64E-04	1.64E-04	3.28E-04	1.62E-04	1.62E-04	3.24E-04
2450 497156.82, 3858864.83	0.00414	0.00414	6.29E-04	6.55E-04	5.93E-04	6.07E-04	5.73E-04	1.67E-04	1.67E-04	3.33E-04	1.63E-04	1.63E-04	3.25E-04	1.60E-04	1.60E-04	3.21E-04
2451 497256.82, 3858864.83	0.00412	0.00412	6.26E-04	6.52E-04	5.90E-04	6.04E-04	5.70E-04	1.66E-04	1.66E-04	3.32E-04	1.62E-04	1.62E-04	3.24E-04	1.60E-04	1.60E-04	3.19E-04
2452 496856.82, 3858964.83	0.00439	0.00439	6.67E-04	6.95E-04	6.28E-04	6.44E-04	6.07E-04	1.77E-04	1.77E-04	3.53E-04	1.72E-04	1.72E-04	3.45E-04	1.70E-04	1.70E-04	3.40E-04
2453 496956.82, 3858964.83	0.00433	0.00434	6.58E-04	6.87E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.75E-04	3.49E-04	1.70E-04	1.70E-04	3.40E-04	1.68E-04	1.68E-04	3.36E-04
2454 497056.82, 3858964.83	0.00429	0.00429	6.52E-04	6.79E-04	6.14E-04	6.29E-04	5.93E-04	1.73E-04	1.73E-04	3.45E-04	1.68E-04	1.68E-04	3.37E-04	1.66E-04	1.66E-04	3.32E-04
2455 497156.82, 3858964.83	0.00425	0.00425	6.46E-04	6.73E-04	6.08E-04	6.23E-04	5.88E-04	1.71E-04	1.71E-04	3.42E-04	1.67E-04	1.67E-04	3.34E-04	1.65E-04	1.65E-04	3.29E-04
2456 497256.82, 3858964.83	0.00426	0.00426	6.47E-04	6.74E-04	6.10E-04	6.25E-04	5.89E-04	1.71E-04	1.71E-04	3.43E-04	1.67E-04	1.67E-04	3.35E-04	1.65E-04	1.65E-04	3.30E-04
2457 496856.82, 3859064.83	0.00449	0.0045	6.82E-04	7.12E-04	6.43E-04	6.58E-04	6.21E-04	1.81E-04	1.81E-04	3.62E-04	1.76E-04	1.77E-04	3.53E-04	1.74E-04	1.74E-04	3.48E-04
2458 496956.82, 3859064.83	0.00444	0.00445	6.75E-04	7.05E-04	6.36E-04	6.51E-04	6.14E-04	1.79E-04	1.79E-04	3.58E-04	1.74E-04	1.75E-04	3.49E-04	1.72E-04	1.72E-04	3.44E-04
2459 497056.82, 3859064.83	0.0044	0.00441	6.69E-04	6.98E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.77E-04	3.55E-04	1.73E-04	1.73E-04	3.46E-04	1.70E-04	1.71E-04	3.41E-04
2460 497156.82, 3859064.83	0.00437	0.00437	6.64E-04	6.92E-04	6.26E-04	6.41E-04	6.04E-04	1.76E-04	1.76E-04	3.52E-04	1.72E-04	1.72E-04	3.43E-04	1.69E-04	1.69E-04	3.39E-04
2461 497256.82, 3859064.83	0.0044	0.0044	6.69E-04	6.97E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.77E-04	3.54E-04	1.73E-04	1.73E-04	3.46E-04	1.70E-04	1.70E-04	3.41E-04
2462 496856.82, 3859164.83	0.00458	0.00458	6.96E-04	7.25E-04	6.56E-04	6.72E-04	6.33E-04	1.84E-04	1.84E-04	3.69E-04	1.80E-04	1.80E-04	3.60E-04	1.77E-04	1.77E-04	3.55E-04
2463 496956.82, 3859164.83	0.00453	0.00453	6.88E-04	7.17E-04	6.49E-04	6.64E-04	6.27E-04	1.82E-04	1.82E-04	3.65E-04	1.78E-04	1.78E-04	3.56E-04	1.76E-04	1.76E-04	3.51E-04
2464 497056.82, 3859164.83	0.0045	0.0045	6.84E-04	7.12E-04	6.44E-04	6.60E-04	6.22E-04	1.81E-04	1.81E-04	3.62E-04	1.77E-04	1.77E-04	3.53E-04	1.74E-04	1.74E-04	3.49E-04
2465 497156.82, 3859164.83	0.0045	0.00451	6.84E-04	7.14E-04	6.44E-04	6.60E-04	6.22E-04	1.81E-04	1.81E-04	3.63E-04	1.77E-04	1.77E-04	3.54E-04	1.74E-04	1.75E-04	3.49E-04
2466 497256.82, 3859164.83	0.00455	0.00455	6.91E-04	7.20E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.83E-04	3.66E-04	1.79E-04	1.79E-04	3.57E-04	1.76E-04	1.76E-04	3.53E-04
2467 496856.82, 3859264.83	0.00467	0.00466	7.10E-04	7.38E-04	6.69E-04	6.85E-04	6.46E-04	1.88E-04	1.88E-04	3.75E-04	1.83E-04	1.83E-04	3.66E-04	1.81E-04	1.81E-04	3.62E-04
2468 496956.82, 3859264.83	0.00465	0.00464	7.07E-04	7.35E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.87E-04	3.74E-04	1.83E-04	1.82E-04	3.65E-04	1.80E-04	1.80E-04	3.60E-04
2469 497056.82, 3859264.83	0.00465	0.00465	7.07E-04	7.36E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.87E-04	3.74E-04	1.83E-04	1.83E-04	3.65E-04	1.80E-04	1.80E-04	3.60E-04
2470 497156.82, 3859264.83	0.00465	0.00465	7.07E-04	7.36E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.87E-04	3.74E-04	1.83E-04	1.83E-04	3.65E-04	1.80E-04	1.80E-04	3.60E-04
2471 497256.82, 3859264.83	0.00469	0.00468	7.13E-04	7.41E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	1.88E-04	3.77E-04	1.84E-04	1.84E-04	3.68E-04	1.82E-04	1.81E-04	3.63E-04
2472 497088.92, 3858620.93	0.00388	0.00388	5.90E-04	6.14E-04	5.55E-04	5.69E-04	5.37E-04	1.56E-04	1.56E-04	3.12E-04	1.52E-04	1.52E-04	3.05E-04	1.50E-04	1.50E-04	3.01E-04
2473 497138.92, 3858620.93	0.00387	0.00388	5.88E-04	6.14E-04	5.54E-04	5.67E-04	5.35E-04	1.56E-04	1.56E-04	3.12E-04	1.52E-04	1.52E-04	3.04E-04	1.50E-04	1.50E-04	3.00E-04
2474 497188.92, 3858620.93	0.00386	0.00386	5.87E-04	6.11E-04	5.53E-04	5.66E-04	5.34E-04	1.55E-04	1.55E-04	3.11E-04	1.52E-04	1.52E-04	3.03E-04	1.50E-04	1.50E-04	2.99E-04
2475 497238.92, 3858620.93	0.00385	0.00385	5.85E-04	6.10E-04	5.51E-04	5.65E-04	5.32E-04	1.55E-04	1.55E-04	3.10E-04	1.51E-04	1.51E-04	3.02E-04	1.49E-04	1.49E-04	2.98E-04
2476 497088.92, 3858670.93	0.00392	0.00392	5.96E-04	6.21E-04	5.61E-04	5.75E-04	5.42E-04	1.58E-04	1.58E-04	3.16E-04	1.54E-04	1.54E-04	3.08E-04	1.52E-04	1.52E-04	3.04E-04
2477 497138.92, 3858670.93	0.00392	0.00392	5.96E-04	6.21E-04	5.61E-04	5.75E-04	5.42E-04	1.58E-04	1.58E-04	3.16E-04	1.54E-04	1.54E-04	3.08E-04	1.52E-04	1.52E-04	3.04E-04
2478 497188.92, 3858670.93	0.0039	0.00391	5.93E-04	6.19E-04	5.58E-04	5.72E-04	5.39E-04	1.57E-04	1.57E-04	3.14E-04	1.53E-04	1.54E-04	3.07E-04	1.51E-04	1.52E-04	3.03E-04
2479 497238.92, 3858670.93	0.0039	0.0039	5.93E-04	6.17E-04	5.58E-04	5.72E-04	5.39E-04	1.57E-04	1.57E-04	3.14E-04	1.53E-04	1.53E-04	3.06E-04	1.51E-04	1.51E-04	3.02E-04
2480 497088.92, 3858720.93	0.00399	0.00399	6.06E-04	6.32E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.61E-04	3.21E-04	1.57E-04	1.57E-04	3.13E-04	1.55E-04	1.55E-04	3.09E-04
2481 497138.92, 3858720.93	0.00394	0.00394	5.99E-04	6.24E-04	5.64E-04	5.78E-04	5.45E-04	1.59E-04	1.59E-04	3.17E-04	1.55E-04	1.55E-04	3.09E-04	1.53E-04	1.53E-04	3.05E-04
2482 497188.92, 3858720.93	0.00393	0.00393	5.97E-04	6.22E-04	5.63E-04	5.76E-04	5.44E-04	1.58E-04	1.58E-04	3.16E-04	1.54E-04	1.54E-04	3.09E-04	1.52E-04	1.52E-04	3.05E-04
2483 497238.92, 3858720.93	0.00395	0.00395	6.00E-04	6.25E-04	5.65E-04	5.79E-04	5.46E-04	1.59E-04	1.59E-04	3.18E-04	1.55E-04	1.55E-04	3.10E-04	1.53E-04	1.53E-04	3.06E-04
2484 497088.92, 3858770.93	0.00403	0.00404	6.12E-04	6.40E-04	5.77E-04	5.91E-04	5.57E-04	1.62E-04	1.63E-04	3.25E-04	1.58E-04	1.59E-04	3.17E-04	1.56E-04	1.57E-04	3.13E-04
2485 497138.92, 3858770.93	0.00401	0.00401	6.09E-04	6.35E-04	5.74E-04	5.88E-04	5.55E-04	1.61E-04	1.61E-04	3.23E-04	1.57E-04	1.57E-04	3.15E-04	1.55E-04	1.55E-04	3.11E-04
2486 497188.92, 3858770.93	0.00399	0.00399	6.06E-04	6.32E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.61E-04	3.21E-04	1.57E-04	1.57E-04	3.13E-04	1.55E-04	1.55E-04	3.09E-04
2487 497238.92, 3858770.93	0.004	0.00401	6.08E-04	6.35E-04	5.73E-04	5.87E-04	5.53E-04	1.61E-04	1.61E-04	3.22E-04	1.57E-04	1.57E-04	3.15E-04	1.55E-04	1.55E-04	3.10E-04
2488 497396.65, 3858622.63	0.00391	0.00392	5.94E-04	6.21E-04	5.60E-04	5.73E-04	5.41E-04	1.57E-04	1.58E-04	3.15E-04	1.54E-04	1.54E-04	3.07E-04	1.52E-04	1.52E-04	3.03E-04
2489 497496.65, 3858622.63	0.00394	0.00396	5.99E-04	6.27E-04	5.64E-04	5.78E-04	5.45E-04	1.59E-04	1.59E-04	3.18E-04	1.55E-04	1.56E-04	3.10E-04	1.53E-04	1.53E-04	3.06E-04
2490 497596.65, 3858622.63	0.00402	0.00404	6.11E-04	6.40E-04	5.76E-04	5.89E-04	5.56E-04	1.62E-04	1.63E-04	3.24E-04	1.58E-04	1.59E-04	3.17E-04	1.56E-04	1.57E-04	3.12E-04
2491 497696.65, 3858622.63	0.00404	0.00406	6.14E-04	6.43E-04	5.78E-04	5.92E-04	5.59E-04	1.63E-04	1.63E-04	3.26E-04	1.59E-04	1.59E-04	3.18E-04	1.57E-04	1.57E-04	3.14E-04
2492 497796.65, 3858622.63	0.00408	0.00411	6.20E-04	6.51E-04	5.84E-04	5.98E-04	5.64E-04	1.64E-04	1.65E-04	3.30E-04	1.60E-04	1.61E-04	3.22E-04	1.58E-04	1.59E-04	3.17E-04
2493 497896.65, 3858622.63	0.00413	0.00416	6.28E-04	6.59E-04	5.91E-04	6.06E-04	5.71E-04	1.66E-04	1.67E-04	3.34E-04	1.62E-04	1.63E-04	3.26E-04	1.60E-04	1.61E-04	3.21E-04
2494 497396.65, 3858722.63	0.00403	0.00404	6.12E-04	6.40E-04	5.77E-04	5.91E-04	5.57E-04	1.62E-04	1.63E-04	3.25E-04	1.58E-04	1.59E-04	3.17E-04	1.56E-04	1.57E-04	3.13E-04
2495 497496.65, 3858722.63	0.00406	0.00408	6.17E-04	6.46E-04	5.81E-04	5.95E-04	5.62E-04	1.63E-04	1.64E-04	3.28E-04	1.59E-04	1.60E-04	3.20E-04	1.57E-04	1.58E-04	3.15E-04
2496 497596.65, 3858722.63	0.00413	0.00414	6.28E-04	6.55E-04	5.91E-04	6.06E-04	5.71E-04	1.66E-04	1.67E-04	3.33E-04	1.62E-04	1.63E-04	3.25E-04	1.60E-04	1.60E-04	3.20E-04
2497 497696.65, 3858722.63	0.00416	0.00418	6.32E-04	6.62E-04	5.96E-04	6.10E-04	5.75E-04	1.67E-04	1.68E-04	3.36E-04	1.63E-04	1.64E-04	3.28E-04	1.61E-04	1.62E-04	3.23E-04
2498 497796.65, 3858722.63	0.00418	0.0042	6.35E-04	6.65E-04	5.98E-04	6.13E-04	5.78E-04	1.68E-04	1.69E-04	3.37E-04	1.64E-04	1.65E-04	3.29E-04	1.62E-04	1.63E-04	3.25E-04
2499 497896.65, 3858722.63	0.00422	0.00424	6.41E-04	6.71E-04	6.04E-04	6.19E-04	5.84E-04	1.70E-04	1.71E-04	3.40E-04	1.66E-04	1.67E-04	3.32E-04	1.64E-04	1.64E-04	3.28E-04
2500 497396.65, 3858822.63	0.00413	0.00413	6.28E-04	6.54E-04	5.91E-04	6.06E-04	5.71E-04	1.66E-04	1.66E-04	3.32E-04	1.62E-04	1.62E-04	3.24E-04	1.60E-04	1.60E-04	3.20E-04
2501 497496.65, 3858822.63	0.00415	0.00416	6.31E-04	6.59E-04	5.94E-04	6.09E-04	5.74E-04	1.67E-04	1.67E-04	3.34E-04	1.63E-04	1.63E-04	3.26E-04	1.61E-04	1.61E-04	3.22E-04
2502 497596.65, 3858822.63	0.00422	0.00424	6.41E-04	6.71E-04	6.04E-04	6.19E-04	5.84E-04	1.70E-04	1.71E-04	3.40E-04	1.66E-04	1.67E-04	3.32E-04	1.64E-04	1.64E-04	3.28E-04
2503 497696.65, 3858822.63	0.00426	0.00427	6.47E-04	6.76E-04	6.10E-04	6.25E-04	5.89E-04	1.71E-04	1.72E-04	3.43E-04	1.67E-04	1.68E-04	3.35E-04	1.65E-04	1.65E-04	3.31E-04
2504 497796.65, 3858822.63	0.00427	0.00429	6.49E-04	6.79E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.73E-04	3.44E-04	1.68E-04	1.68E-04	3.36E-04	1.65E-04	1.66E-04	3.32E-04

2505 497896.65, 3858822.63	0.00434	0.00435	6.59E-04	6.89E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.75E-04	3.50E-04	1.70E-04	1.71E-04	3.41E-04	1.68E-04	1.69E-04	3.37E-04
2506 497396.65, 3858922.63	0.00423	0.00424	6.43E-04	6.71E-04	6.06E-04	6.20E-04	5.85E-04	1.70E-04	1.71E-04	3.41E-04	1.66E-04	1.67E-04	3.33E-04	1.64E-04	1.64E-04	3.28E-04
2507 497496.65, 3858922.63	0.0043	0.0043	6.53E-04	6.81E-04	6.16E-04	6.30E-04	5.95E-04	1.73E-04	1.73E-04	3.46E-04	1.69E-04	1.69E-04	3.38E-04	1.67E-04	1.67E-04	3.33E-04
2508 497596.65, 3858922.63	0.00429	0.0043	6.52E-04	6.81E-04	6.14E-04	6.29E-04	5.93E-04	1.73E-04	1.73E-04	3.46E-04	1.68E-04	1.69E-04	3.37E-04	1.66E-04	1.67E-04	3.33E-04
2509 497696.65, 3858922.63	0.00436	0.00437	6.63E-04	6.92E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.76E-04	3.51E-04	1.71E-04	1.72E-04	3.43E-04	1.69E-04	1.69E-04	3.38E-04
2510 497796.65, 3858922.63	0.00442	0.00442	6.72E-04	7.00E-04	6.33E-04	6.48E-04	6.11E-04	1.78E-04	1.78E-04	3.56E-04	1.74E-04	1.74E-04	3.47E-04	1.71E-04	1.71E-04	3.43E-04
2511 497896.65, 3858922.63	0.00449	0.00449	6.82E-04	7.11E-04	6.43E-04	6.58E-04	6.21E-04	1.81E-04	1.81E-04	3.61E-04	1.76E-04	1.76E-04	3.53E-04	1.74E-04	1.74E-04	3.48E-04
2512 497364.44, 3858201.52	0.00361	0.00361	5.49E-04	5.72E-04	5.17E-04	5.29E-04	4.99E-04	1.45E-04	1.45E-04	2.91E-04	1.42E-04	1.42E-04	2.84E-04	1.40E-04	1.40E-04	2.80E-04
2513 497414.44, 3858201.52	0.00362	0.00362	5.50E-04	5.73E-04	5.18E-04	5.31E-04	5.01E-04	1.46E-04	1.46E-04	2.91E-04	1.42E-04	1.42E-04	2.84E-04	1.40E-04	1.40E-04	2.81E-04
2514 497464.44, 3858201.52	0.00364	0.00364	5.53E-04	5.76E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.46E-04	2.93E-04	1.43E-04	1.43E-04	2.86E-04	1.41E-04	1.41E-04	2.82E-04
2515 497514.44, 3858201.52	0.00365	0.00365	5.55E-04	5.78E-04	5.23E-04	5.35E-04	5.05E-04	1.47E-04	1.47E-04	2.94E-04	1.43E-04	1.43E-04	2.87E-04	1.41E-04	1.41E-04	2.83E-04
2516 497564.44, 3858201.52	0.00364	0.00364	5.53E-04	5.76E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.46E-04	2.93E-04	1.43E-04	1.43E-04	2.86E-04	1.41E-04	1.41E-04	2.82E-04
2517 497614.44, 3858201.52	0.00364	0.00365	5.53E-04	5.78E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.47E-04	2.93E-04	1.43E-04	1.43E-04	2.86E-04	1.41E-04	1.41E-04	2.82E-04
2518 497364.44, 3858251.52	0.00366	0.00366	5.56E-04	5.79E-04	5.24E-04	5.37E-04	5.06E-04	1.47E-04	1.47E-04	2.95E-04	1.44E-04	1.44E-04	2.87E-04	1.42E-04	1.42E-04	2.84E-04
2519 497414.44, 3858251.52	0.00368	0.00368	5.59E-04	5.83E-04	5.27E-04	5.40E-04	5.09E-04	1.48E-04	1.48E-04	2.96E-04	1.45E-04	1.45E-04	2.89E-04	1.43E-04	1.43E-04	2.85E-04
2520 497464.44, 3858251.52	0.00367	0.00367	5.58E-04	5.81E-04	5.25E-04	5.38E-04	5.08E-04	1.48E-04	1.48E-04	2.95E-04	1.44E-04	1.44E-04	2.88E-04	1.42E-04	1.42E-04	2.84E-04
2521 497514.44, 3858251.52	0.00365	0.00366	5.55E-04	5.79E-04	5.23E-04	5.35E-04	5.05E-04	1.47E-04	1.47E-04	2.94E-04	1.43E-04	1.44E-04	2.87E-04	1.41E-04	1.42E-04	2.83E-04
2522 497564.44, 3858251.52	0.00365	0.00365	5.55E-04	5.78E-04	5.23E-04	5.35E-04	5.05E-04	1.47E-04	1.47E-04	2.94E-04	1.43E-04	1.43E-04	2.87E-04	1.41E-04	1.41E-04	2.83E-04
2523 497614.44, 3858251.52	0.00364	0.00365	5.53E-04	5.78E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.47E-04	2.93E-04	1.43E-04	1.43E-04	2.86E-04	1.41E-04	1.41E-04	2.82E-04
2524 497364.44, 3858301.52	0.00369	0.00369	5.61E-04	5.84E-04	5.28E-04	5.41E-04	5.10E-04	1.48E-04	1.48E-04	2.97E-04	1.45E-04	1.45E-04	2.90E-04	1.43E-04	1.43E-04	2.86E-04
2525 497414.44, 3858301.52	0.0037	0.00371	5.62E-04	5.87E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.49E-04	2.98E-04	1.45E-04	1.46E-04	2.91E-04	1.43E-04	1.44E-04	2.87E-04
2526 497464.44, 3858301.52	0.00368	0.00369	5.59E-04	5.84E-04	5.27E-04	5.40E-04	5.09E-04	1.48E-04	1.48E-04	2.97E-04	1.45E-04	1.45E-04	2.89E-04	1.43E-04	1.43E-04	2.86E-04
2527 497514.44, 3858301.52	0.00367	0.00368	5.58E-04	5.83E-04	5.25E-04	5.38E-04	5.08E-04	1.48E-04	1.48E-04	2.96E-04	1.44E-04	1.45E-04	2.89E-04	1.42E-04	1.43E-04	2.85E-04
2528 497564.44, 3858301.52	0.00366	0.00366	5.56E-04	5.79E-04	5.24E-04	5.37E-04	5.06E-04	1.47E-04	1.47E-04	2.95E-04	1.44E-04	1.44E-04	2.87E-04	1.42E-04	1.42E-04	2.84E-04
2529 497614.44, 3858301.52	0.00365	0.00365	5.55E-04	5.78E-04	5.23E-04	5.35E-04	5.05E-04	1.47E-04	1.47E-04	2.94E-04	1.43E-04	1.43E-04	2.87E-04	1.41E-04	1.41E-04	2.83E-04
2530 497364.44, 3858351.52	0.00372	0.00373	5.65E-04	5.91E-04	5.33E-04	5.45E-04	5.15E-04	1.50E-04	1.50E-04	3.00E-04	1.46E-04	1.46E-04	2.93E-04	1.44E-04	1.45E-04	2.89E-04
2531 497414.44, 3858351.52	0.00371	0.00372	5.64E-04	5.89E-04	5.31E-04	5.44E-04	5.13E-04	1.49E-04	1.50E-04	2.99E-04	1.46E-04	1.46E-04	2.92E-04	1.44E-04	1.44E-04	2.88E-04
2532 497464.44, 3858351.52	0.00371	0.00371	5.64E-04	5.87E-04	5.31E-04	5.44E-04	5.13E-04	1.49E-04	1.49E-04	2.99E-04	1.46E-04	1.46E-04	2.91E-04	1.44E-04	1.44E-04	2.88E-04
2533 497514.44, 3858351.52	0.0037	0.0037	5.62E-04	5.86E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.49E-04	2.98E-04	1.45E-04	1.45E-04	2.91E-04	1.43E-04	1.43E-04	2.87E-04
2534 497564.44, 3858351.52	0.00368	0.00368	5.59E-04	5.83E-04	5.27E-04	5.40E-04	5.09E-04	1.48E-04	1.48E-04	2.96E-04	1.45E-04	1.45E-04	2.89E-04	1.43E-04	1.43E-04	2.85E-04
2535 497614.44, 3858351.52	0.00367	0.00367	5.58E-04	5.81E-04	5.25E-04	5.38E-04	5.08E-04	1.48E-04	1.48E-04	2.95E-04	1.44E-04	1.44E-04	2.88E-04	1.42E-04	1.42E-04	2.84E-04
2536 497364.44, 3858401.52	0.00373	0.00373	5.67E-04	5.91E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.50E-04	3.00E-04	1.46E-04	1.46E-04	2.93E-04	1.45E-04	1.45E-04	2.89E-04
2537 497414.44, 3858401.52	0.00373	0.00373	5.67E-04	5.91E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.50E-04	3.00E-04	1.46E-04	1.46E-04	2.93E-04	1.45E-04	1.45E-04	2.89E-04
2538 497464.44, 3858401.52	0.00372	0.00372	5.65E-04	5.89E-04	5.33E-04	5.45E-04	5.15E-04	1.50E-04	1.50E-04	2.99E-04	1.46E-04	1.46E-04	2.92E-04	1.44E-04	1.44E-04	2.88E-04
2539 497514.44, 3858401.52	0.00371	0.00371	5.64E-04	5.87E-04	5.31E-04	5.44E-04	5.13E-04	1.49E-04	1.49E-04	2.99E-04	1.46E-04	1.46E-04	2.91E-04	1.44E-04	1.44E-04	2.88E-04
2540 497564.44, 3858401.52	0.00373	0.00373	5.67E-04	5.91E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.50E-04	3.00E-04	1.46E-04	1.46E-04	2.93E-04	1.45E-04	1.45E-04	2.89E-04
2541 497614.44, 3858401.52	0.00373	0.00375	5.67E-04	5.94E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.51E-04	3.01E-04	1.46E-04	1.47E-04	2.94E-04	1.45E-04	1.45E-04	2.90E-04
2542 493478.11, 3860497.94	0.01822	0.01816	2.77E-03	2.88E-03	2.61E-03	2.67E-03	2.52E-03	7.33E-04	7.31E-04	1.46E-03	7.15E-04	7.13E-04	1.43E-03	7.06E-04	7.04E-04	1.41E-03
2543 493528.11, 3860497.94	0.01788	0.01782	2.72E-03	2.82E-03	2.56E-03	2.62E-03	2.47E-03	7.20E-04	7.17E-04	1.44E-03	7.02E-04	7.00E-04	1.40E-03	6.93E-04	6.90E-04	1.38E-03
2544 493478.11, 3860547.94	0.01897	0.01892	2.88E-03	3.00E-03	2.72E-03	2.78E-03	2.62E-03	7.63E-04	7.61E-04	1.52E-03	7.45E-04	7.43E-04	1.49E-03	7.35E-04	7.33E-04	1.47E-03
2545 493528.11, 3860547.94	0.01864	0.01858	2.83E-03	2.94E-03	2.67E-03	2.73E-03	2.58E-03	7.50E-04	7.48E-04	1.50E-03	7.32E-04	7.30E-04	1.46E-03	7.22E-04	7.20E-04	1.44E-03
2546 493478.11, 3860597.94	0.01977	0.01973	3.00E-03	3.12E-03	2.83E-03	2.90E-03	2.73E-03	7.96E-04	7.94E-04	1.59E-03	7.76E-04	7.75E-04	1.55E-03	7.66E-04	7.65E-04	1.53E-03
2547 493528.11, 3860597.94	0.0194	0.01935	2.95E-03	3.06E-03	2.78E-03	2.84E-03	2.68E-03	7.81E-04	7.79E-04	1.56E-03	7.62E-04	7.60E-04	1.52E-03	7.52E-04	7.50E-04	1.50E-03
2548 493561.88, 3860524.64	0.01803	0.01797	2.74E-03	2.85E-03	2.58E-03	2.64E-03	2.49E-03	7.26E-04	7.23E-04	1.45E-03	7.08E-04	7.06E-04	1.41E-03	6.99E-04	6.96E-04	1.39E-03
2549 493591.88, 3860524.64	0.01778	0.01771	2.70E-03	2.80E-03	2.55E-03	2.61E-03	2.46E-03	7.16E-04	7.13E-04	1.43E-03	6.98E-04	6.95E-04	1.39E-03	6.89E-04	6.86E-04	1.38E-03
2550 493561.88, 3860554.64	0.01849	0.01843	2.81E-03	2.92E-03	2.65E-03	2.71E-03	2.56E-03	7.44E-04	7.42E-04	1.49E-03	7.26E-04	7.24E-04	1.45E-03	7.16E-04	7.14E-04	1.43E-03
2551 493591.88, 3860554.64	0.01819	0.01813	2.76E-03	2.87E-03	2.60E-03	2.67E-03	2.52E-03	7.32E-04	7.30E-04	1.46E-03	7.14E-04	7.12E-04	1.43E-03	7.05E-04	7.03E-04	1.41E-03
2552 492880.5, 3860293.11	0.02142	0.02142	3.25E-03	3.39E-03	3.07E-03	3.14E-03	2.96E-03	8.62E-04	8.62E-04	1.72E-03	8.41E-04	8.41E-04	1.68E-03	8.30E-04	8.30E-04	1.66E-03
2553 492930.5, 3860293.11	0.02069	0.02068	3.14E-03	3.27E-03	2.96E-03	3.03E-03	2.86E-03	8.33E-04	8.32E-04	1.66E-03	8.12E-04	8.12E-04	1.62E-03	8.02E-04	8.01E-04	1.60E-03
2554 492980.5, 3860293.11	0.01997	0.01994	3.03E-03	3.16E-03	2.86E-03	2.93E-03	2.76E-03	8.04E-04	8.02E-04	1.61E-03	7.84E-04	7.83E-04	1.57E-03	7.74E-04	7.73E-04	1.55E-03
2555 493030.5, 3860293.11	0.01877	0.01874	2.85E-03	2.97E-03	2.69E-03	2.75E-03	2.60E-03	7.55E-04	7.54E-04	1.51E-03	7.37E-04	7.36E-04	1.47E-03	7.27E-04	7.26E-04	1.45E-03
2556 493080.5, 3860293.11	0.01762	0.01758	2.68E-03	2.78E-03	2.52E-03	2.58E-03	2.44E-03	7.09E-04	7.07E-04	1.42E-03	6.92E-04	6.90E-04	1.38E-03	6.83E-04	6.81E-04	1.36E-03
2557 493130.5, 3860293.11	0.01772	0.01767	2.69E-03	2.80E-03	2.54E-03	2.60E-03	2.45E-03	7.13E-04	7.11E-04	1.42E-03	6.96E-04	6.94E-04	1.39E-03	6.87E-04	6.85E-04	1.37E-03
2558 493180.5, 3860293.11	0.01769	0.01763	2.69E-03	2.79E-03	2.53E-03	2.59E-03	2.45E-03	7.12E-04	7.09E-04	1.42E-03	6.95E-04	6.92E-04	1.39E-03	6.85E-04	6.83E-04	1.37E-03
2559 493230.5, 3860293.11	0.01737	0.0173	2.64E-03	2.74E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	6.96E-04	1.40E-03	6.82E-04	6.79E-04	1.36E-03	6.73E-04	6.70E-04	1.34E-03
2560 493280.5, 3860293.11	0.01673	0.01665	2.54E-03	2.64E-03	2.40E-03	2.45E-03	2.31E-03	6.73E-04	6.70E-04	1.34E-03	6.57E-04	6.54E-04	1.31E-03	6.48E-04	6.45E-04	1.29E-03
2561 493330.5, 3860293.11	0.01627	0.01619	2.47E-03	2.56E-03	2.33E-03	2.39E-03	2.25E-03	6.55E-04	6.52E-04	1.31E-03	6.39E-04	6.36E-04	1.27E-03	6.30E-04	6.27E-04	1.26E-03
2562 493380.5, 3860293.11	0.0159	0.01581	2.42E-03	2.50E-03	2.28E-03	2.33E-03	2.20E-03	6.40E-04	6.36E-04	1.28E-03	6.24E-04	6.21E-04	1.25E-03	6.16E-04	6.13E-04	1.23E-03
2563 492880.5, 3860343.11	0.02242	0.02244	3.41E-03	3.55E-03	3.21E-03	3.29E-03	3.10E-03	9.02E-04	9.03E-04	1.81E-03	8.80E-04	8.81E-04	1.76E-03	8.69E-04	8.70E-04	1.74E-03
2564 492930.5, 3860343.11	0.02168	0.02169	3.29E-03	3.43E-03	3.10E-03	3.18E-03	3.00E-03	8.72E-04	8.73E-04	1.75E-03	8.51E-04	8.52E-04	1.70E-03	8.40E-04	8.40E-04	1.68E-03
2565 492980.5, 3860343.11	0.02039	0.02038	3.10E-03	3.23E-03	2.92E-03	2.99E-03	2.82E-03	8.21E-04	8.20E-04	1.64E-03	8.01E-04	8.00E-04	1.60E-03	7.90E-04	7.90E-04	1.58E-03
2566 493030.5, 3860343.11	0.01975	0.01973	3.00E-03	3.12E-03	2.83E-03	2.90E-03	2.73E-03	7.95E-04	7.94E-04	1.59E-03	7.76E-04	7.75E-04	1.55E-03	7.65E-04	7.65E-04	1.53E-03
2567 493080.5, 3860343.11	0.01864	0.01861	2.83E-03	2.95E-03	2.67E-03	2.73E-03	2.58E-03	7.50E-04	7.49E-04	1.50E-03	7.32E-04	7.31E-04	1.46E-03	7.22E-04	7.21E-04	1.44E-03
2568 493130.5, 3860343.11	0.01837	0.01833	2.79E-03	2.90E-03	2.63E-03	2.69E-03	2.54E-03	7.39E-04	7.38E-04	1.48E-03	7.21E-04	7.20E-04	1.44E-03	7.12E-04	7.10E-04	1.42E-03
2569 493180.5, 3860343.11	0.01835	0.0183	2.79E-03	2.90E-03	2.63E-03	2.69E-03	2.54E-03	7.38E-04	7.36E-04	1.47E-03	7.21E-04	7.19E-04	1.44E-03	7.11E-04	7.09E-04	1.42E-03
2570 493230.5, 3860343.11	0.01802	0.01796	2.74E-03	2.84E-03	2.58E-03	2.64E-03	2.49E-03	7.25E-04	7.23E-04	1.45E-03	7.08E-04	7.05E-04	1.41E-03	6.98E-04	6.96E-04	1.39E-03

2571 493280.5, 3860343.11	0.01735	0.01729	2.64E-03	2.74E-03	2.48E-03	2.54E-03	2.40E-03	6.98E-04	6.96E-04	1.39E-03	6.81E-04	6.79E-04	1.36E-03	6.72E-04	6.70E-04	1.34E-03
2572 493330.5, 3860343.11	0.01682	0.01674	2.56E-03	2.65E-03	2.41E-03	2.47E-03	2.33E-03	6.77E-04	6.74E-04	1.35E-03	6.61E-04	6.57E-04	1.32E-03	6.52E-04	6.49E-04	1.30E-03
2573 493380.5, 3860343.11	0.01645	0.01637	2.50E-03	2.59E-03	2.35E-03	2.41E-03	2.28E-03	6.62E-04	6.59E-04	1.32E-03	6.46E-04	6.43E-04	1.29E-03	6.37E-04	6.34E-04	1.27E-03
2574 492880.5, 3860393.11	0.0235	0.02354	3.57E-03	3.73E-03	3.36E-03	3.45E-03	3.25E-03	9.46E-04	9.47E-04	1.89E-03	9.23E-04	9.24E-04	1.85E-03	9.11E-04	9.12E-04	1.82E-03
2575 492930.5, 3860393.11	0.02262	0.02264	3.44E-03	3.58E-03	3.24E-03	3.32E-03	3.13E-03	9.10E-04	9.11E-04	1.82E-03	8.88E-04	8.89E-04	1.78E-03	8.76E-04	8.77E-04	1.75E-03
2576 492980.5, 3860393.11	0.02157	0.02158	3.28E-03	3.42E-03	3.09E-03	3.16E-03	2.98E-03	8.68E-04	8.68E-04	1.74E-03	8.47E-04	8.47E-04	1.69E-03	8.36E-04	8.36E-04	1.67E-03
2577 493030.5, 3860393.11	0.02072	0.02071	3.15E-03	3.28E-03	2.97E-03	3.04E-03	2.87E-03	8.34E-04	8.33E-04	1.67E-03	8.14E-04	8.13E-04	1.63E-03	8.03E-04	8.02E-04	1.61E-03
2578 493080.5, 3860393.11	0.01954	0.01953	2.97E-03	3.09E-03	2.80E-03	2.87E-03	2.70E-03	7.86E-04	7.86E-04	1.57E-03	7.67E-04	7.67E-04	1.53E-03	7.57E-04	7.57E-04	1.51E-03
2579 493130.5, 3860393.11	0.01933	0.0193	2.94E-03	3.06E-03	2.77E-03	2.83E-03	2.67E-03	7.78E-04	7.77E-04	1.55E-03	7.59E-04	7.58E-04	1.52E-03	7.49E-04	7.48E-04	1.50E-03
2580 493180.5, 3860393.11	0.01925	0.01922	2.93E-03	3.04E-03	2.76E-03	2.82E-03	2.66E-03	7.75E-04	7.73E-04	1.55E-03	7.56E-04	7.55E-04	1.51E-03	7.46E-04	7.45E-04	1.49E-03
2581 493230.5, 3860393.11	0.01876	0.01871	2.85E-03	2.96E-03	2.69E-03	2.75E-03	2.59E-03	7.55E-04	7.53E-04	1.51E-03	7.37E-04	7.35E-04	1.47E-03	7.27E-04	7.25E-04	1.45E-03
2582 493280.5, 3860393.11	0.01802	0.01797	2.74E-03	2.85E-03	2.58E-03	2.64E-03	2.49E-03	7.25E-04	7.23E-04	1.45E-03	7.08E-04	7.06E-04	1.41E-03	6.98E-04	6.96E-04	1.39E-03
2583 493330.5, 3860393.11	0.01745	0.01739	2.65E-03	2.75E-03	2.50E-03	2.56E-03	2.41E-03	7.02E-04	7.00E-04	1.40E-03	6.85E-04	6.83E-04	1.37E-03	6.76E-04	6.74E-04	1.35E-03
2584 493380.5, 3860393.11	0.01703	0.01696	2.59E-03	2.69E-03	2.44E-03	2.50E-03	2.36E-03	6.85E-04	6.83E-04	1.37E-03	6.69E-04	6.66E-04	1.33E-03	6.60E-04	6.57E-04	1.32E-03
2585 492880.5, 3860443.11	0.02459	0.02464	3.74E-03	3.90E-03	3.52E-03	3.61E-03	3.40E-03	9.90E-04	9.92E-04	1.98E-03	9.66E-04	9.68E-04	1.93E-03	9.53E-04	9.55E-04	1.91E-03
2586 492930.5, 3860443.11	0.0238	0.02383	3.62E-03	3.77E-03	3.41E-03	3.49E-03	3.29E-03	9.58E-04	9.59E-04	1.92E-03	9.35E-04	9.36E-04	1.87E-03	9.22E-04	9.23E-04	1.85E-03
2587 492980.5, 3860443.11	0.02281	0.02283	3.47E-03	3.61E-03	3.27E-03	3.34E-03	3.15E-03	9.18E-04	9.19E-04	1.84E-03	8.96E-04	8.97E-04	1.79E-03	8.84E-04	8.85E-04	1.77E-03
2588 493030.5, 3860443.11	0.02189	0.0219	3.33E-03	3.47E-03	3.13E-03	3.21E-03	3.03E-03	8.81E-04	8.81E-04	1.76E-03	8.60E-04	8.60E-04	1.72E-03	8.48E-04	8.49E-04	1.70E-03
2589 493080.5, 3860443.11	0.02117	0.02117	3.22E-03	3.35E-03	3.03E-03	3.10E-03	2.93E-03	8.52E-04	8.52E-04	1.70E-03	8.31E-04	8.31E-04	1.66E-03	8.20E-04	8.20E-04	1.64E-03
2590 493130.5, 3860443.11	0.02051	0.0205	3.12E-03	3.25E-03	2.94E-03	3.01E-03	2.84E-03	8.25E-04	8.25E-04	1.65E-03	8.05E-04	8.05E-04	1.61E-03	7.95E-04	7.94E-04	1.59E-03
2591 493180.5, 3860443.11	0.0203	0.02028	3.08E-03	3.21E-03	2.91E-03	2.98E-03	2.81E-03	8.17E-04	8.16E-04	1.63E-03	7.97E-04	7.96E-04	1.59E-03	7.87E-04	7.86E-04	1.57E-03
2592 493230.5, 3860443.11	0.01947	0.01944	2.96E-03	3.08E-03	2.79E-03	2.85E-03	2.69E-03	7.84E-04	7.82E-04	1.57E-03	7.65E-04	7.63E-04	1.53E-03	7.54E-04	7.53E-04	1.51E-03
2593 493280.5, 3860443.11	0.01884	0.0188	2.86E-03	2.98E-03	2.70E-03	2.76E-03	2.61E-03	7.58E-04	7.57E-04	1.51E-03	7.40E-04	7.38E-04	1.48E-03	7.30E-04	7.28E-04	1.46E-03
2594 493330.5, 3860443.11	0.01811	0.01806	2.75E-03	2.86E-03	2.59E-03	2.66E-03	2.50E-03	7.29E-04	7.27E-04	1.46E-03	7.11E-04	7.09E-04	1.42E-03	7.02E-04	7.00E-04	1.40E-03
2595 493380.5, 3860443.11	0.01778	0.01772	2.70E-03	2.81E-03	2.55E-03	2.61E-03	2.46E-03	7.16E-04	7.13E-04	1.43E-03	6.98E-04	6.96E-04	1.39E-03	6.89E-04	6.87E-04	1.38E-03
2596 493180.5, 3860493.11	0.0211	0.02109	3.21E-03	3.34E-03	3.02E-03	3.09E-03	2.92E-03	8.49E-04	8.49E-04	1.70E-03	8.29E-04	8.28E-04	1.66E-03	8.18E-04	8.17E-04	1.63E-03
2597 493230.5, 3860493.11	0.02037	0.02035	3.10E-03	3.22E-03	2.92E-03	2.99E-03	2.82E-03	8.20E-04	8.19E-04	1.64E-03	8.00E-04	7.99E-04	1.60E-03	7.89E-04	7.89E-04	1.58E-03
2598 493280.5, 3860493.11	0.01966	0.01963	2.99E-03	3.11E-03	2.81E-03	2.88E-03	2.72E-03	7.91E-04	7.90E-04	1.58E-03	7.72E-04	7.71E-04	1.54E-03	7.62E-04	7.61E-04	1.52E-03
2599 493330.5, 3860493.11	0.01906	0.01902	2.90E-03	3.01E-03	2.73E-03	2.79E-03	2.64E-03	7.67E-04	7.65E-04	1.53E-03	7.48E-04	7.47E-04	1.50E-03	7.39E-04	7.37E-04	1.48E-03
2600 493380.5, 3860493.11	0.0187	0.01865	2.84E-03	2.95E-03	2.68E-03	2.74E-03	2.59E-03	7.53E-04	7.51E-04	1.50E-03	7.34E-04	7.32E-04	1.47E-03	7.25E-04	7.23E-04	1.45E-03
2601 493330.5, 3860543.11	0.01993	0.0199	3.03E-03	3.15E-03	2.85E-03	2.92E-03	2.76E-03	8.02E-04	8.01E-04	1.60E-03	7.83E-04	7.81E-04	1.56E-03	7.72E-04	7.71E-04	1.54E-03
2602 493380.5, 3860543.11	0.01954	0.01951	2.97E-03	3.09E-03	2.80E-03	2.87E-03	2.70E-03	7.86E-04	7.85E-04	1.57E-03	7.67E-04	7.66E-04	1.53E-03	7.57E-04	7.56E-04	1.51E-03
2603 494135.94, 3860876.85	0.02013	0.02008	3.06E-03	3.18E-03	2.88E-03	2.95E-03	2.78E-03	8.10E-04	8.08E-04	1.62E-03	7.91E-04	7.89E-04	1.58E-03	7.80E-04	7.78E-04	1.56E-03
2604 494185.94, 3860876.85	0.01981	0.01975	3.01E-03	3.13E-03	2.84E-03	2.90E-03	2.74E-03	7.97E-04	7.95E-04	1.59E-03	7.78E-04	7.76E-04	1.55E-03	7.68E-04	7.65E-04	1.53E-03
2605 494135.94, 3860926.85	0.02148	0.02143	3.26E-03	3.39E-03	3.08E-03	3.15E-03	2.97E-03	8.64E-04	8.62E-04	1.73E-03	8.44E-04	8.42E-04	1.69E-03	8.32E-04	8.30E-04	1.66E-03
2606 494185.94, 3860926.85	0.0211	0.02105	3.21E-03	3.33E-03	3.02E-03	3.09E-03	2.92E-03	8.49E-04	8.47E-04	1.70E-03	8.29E-04	8.27E-04	1.66E-03	8.18E-04	8.16E-04	1.63E-03
2607 494135.94, 3860976.85	0.02304	0.02299	3.50E-03	3.64E-03	3.30E-03	3.38E-03	3.19E-03	9.27E-04	9.25E-04	1.85E-03	9.05E-04	9.03E-04	1.81E-03	8.93E-04	8.91E-04	1.78E-03
2608 494185.94, 3860976.85	0.0226	0.02256	3.43E-03	3.57E-03	3.24E-03	3.31E-03	3.13E-03	9.09E-04	9.08E-04	1.82E-03	8.87E-04	8.86E-04	1.77E-03	8.76E-04	8.74E-04	1.75E-03
2609 494135.94, 3861026.85	0.02492	0.02488	3.79E-03	3.94E-03	3.57E-03	3.65E-03	3.45E-03	1.00E-03	1.00E-03	2.00E-03	9.79E-04	9.77E-04	1.96E-03	9.66E-04	9.64E-04	1.93E-03
2610 494185.94, 3861026.85	0.02442	0.02436	3.71E-03	3.86E-03	3.50E-03	3.58E-03	3.38E-03	9.83E-04	9.80E-04	1.96E-03	9.59E-04	9.57E-04	1.92E-03	9.46E-04	9.44E-04	1.89E-03
2611 494135.94, 3861076.85	0.02721	0.02715	4.13E-03	4.30E-03	3.90E-03	3.99E-03	3.76E-03	1.10E-03	1.09E-03	2.19E-03	1.07E-03	1.07E-03	2.13E-03	1.05E-03	1.05E-03	2.11E-03
2612 494185.94, 3861076.85	0.02661	0.02655	4.04E-03	4.20E-03	3.81E-03	3.90E-03	3.68E-03	1.07E-03	1.07E-03	2.14E-03	1.04E-03	1.04E-03	2.09E-03	1.03E-03	1.03E-03	2.06E-03
2613 490360.04, 3858710.04	0.01919	0.01814	2.92E-03	2.87E-03	2.75E-03	2.81E-03	2.65E-03	7.72E-04	7.30E-04	1.50E-03	7.54E-04	7.12E-04	1.47E-03	7.44E-04	7.03E-04	1.45E-03
2614 490410.04, 3858710.04	0.01865	0.01763	2.83E-03	2.79E-03	2.67E-03	2.73E-03	2.58E-03	7.51E-04	7.09E-04	1.46E-03	7.32E-04	6.92E-04	1.42E-03	7.23E-04	6.83E-04	1.41E-03
2615 490460.04, 3858710.04	0.01803	0.01705	2.74E-03	2.70E-03	2.58E-03	2.64E-03	2.49E-03	7.26E-04	6.86E-04	1.41E-03	7.08E-04	6.70E-04	1.38E-03	6.99E-04	6.61E-04	1.36E-03
2616 490510.04, 3858710.04	0.01754	0.01659	2.67E-03	2.63E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	6.68E-04	1.37E-03	6.89E-04	6.51E-04	1.34E-03	6.80E-04	6.43E-04	1.32E-03
2617 490560.04, 3858710.04	0.01711	0.01618	2.60E-03	2.56E-03	2.45E-03	2.51E-03	2.37E-03	6.89E-04	6.51E-04	1.34E-03	6.72E-04	6.35E-04	1.31E-03	6.63E-04	6.27E-04	1.29E-03
2618 490610.04, 3858710.04	0.01668	0.01577	2.53E-03	2.50E-03	2.39E-03	2.45E-03	2.31E-03	6.71E-04	6.35E-04	1.31E-03	6.55E-04	6.19E-04	1.27E-03	6.46E-04	6.11E-04	1.26E-03
2619 490660.04, 3858710.04	0.01636	0.01547	2.49E-03	2.45E-03	2.34E-03	2.40E-03	2.26E-03	6.58E-04	6.23E-04	1.28E-03	6.42E-04	6.08E-04	1.25E-03	6.34E-04	5.99E-04	1.23E-03
2620 490710.04, 3858710.04	0.0159	0.01505	2.42E-03	2.38E-03	2.28E-03	2.33E-03	2.20E-03	6.40E-04	6.06E-04	1.25E-03	6.24E-04	5.91E-04	1.22E-03	6.16E-04	5.83E-04	1.20E-03
2621 490760.04, 3858710.04	0.0155	0.01467	2.36E-03	2.32E-03	2.22E-03	2.27E-03	2.14E-03	6.24E-04	5.90E-04	1.21E-03	6.09E-04	5.76E-04	1.18E-03	6.01E-04	5.68E-04	1.17E-03
2622 490810.04, 3858710.04	0.01512	0.01432	2.30E-03	2.27E-03	2.16E-03	2.22E-03	2.09E-03	6.08E-04	5.76E-04	1.18E-03	5.94E-04	5.62E-04	1.16E-03	5.86E-04	5.55E-04	1.14E-03
2623 490860.04, 3858710.04	0.01469	0.01392	2.23E-03	2.20E-03	2.10E-03	2.15E-03	2.03E-03	5.91E-04	5.60E-04	1.15E-03	5.77E-04	5.47E-04	1.12E-03	5.69E-04	5.39E-04	1.11E-03
2624 490360.04, 3858760.04	0.01999	0.01889	3.04E-03	2.99E-03	2.86E-03	2.93E-03	2.76E-03	8.04E-04	7.60E-04	1.56E-03	7.85E-04	7.42E-04	1.53E-03	7.75E-04	7.32E-04	1.51E-03
2625 490410.04, 3858760.04	0.01938	0.01832	2.94E-03	2.90E-03	2.77E-03	2.84E-03	2.68E-03	7.80E-04	7.37E-04	1.52E-03	7.61E-04	7.19E-04	1.48E-03	7.51E-04	7.10E-04	1.46E-03
2626 490460.04, 3858760.04	0.01876	0.01774	2.85E-03	2.81E-03	2.69E-03	2.75E-03	2.59E-03	7.55E-04	7.14E-04	1.47E-03	7.37E-04	6.97E-04	1.43E-03	7.27E-04	6.87E-04	1.41E-03
2627 490510.04, 3858760.04	0.01815	0.01716	2.76E-03	2.72E-03	2.60E-03	2.66E-03	2.51E-03	7.30E-04	6.91E-04	1.42E-03	7.13E-04	6.74E-04	1.39E-03	7.03E-04	6.65E-04	1.37E-03
2628 490560.04, 3858760.04	0.01764	0.01669	2.68E-03	2.64E-03	2.53E-03	2.59E-03	2.44E-03	7.10E-04	6.72E-04	1.38E-03	6.93E-04	6.55E-04	1.35E-03	6.84E-04	6.47E-04	1.33E-03
2629 490610.04, 3858760.04	0.01713	0.01621	2.60E-03	2.57E-03	2.45E-03	2.51E-03	2.37E-03	6.89E-04	6.52E-04	1.34E-03	6.73E-04	6.37E-04	1.31E-03	6.64E-04	6.28E-04	1.29E-03
2630 490660.04, 3858760.04	0.01667	0.01578	2.53E-03	2.50E-03	2.39E-03	2.44E-03	2.31E-03	6.71E-04	6.35E-04	1.31E-03	6.55E-04	6.20E-04	1.27E-03	6.46E-04	6.11E-04	1.26E-03
2631 490710.04, 3858760.04	0.01623	0.01537	2.47E-03	2.43E-03	2.32E-03	2.38E-03	2.24E-03	6.53E-04	6.19E-04	1.27E-03	6.37E-04	6.04E-04	1.24E-03	6.29E-04	5.96E-04	1.22E-03
2632 490760.04, 3858760.04	0.01576	0.01493	2.39E-03	2.36E-03	2.26E-03	2.31E-03	2.18E-03	6.34E-04	6.01E-04	1.24E-03	6.19E-04	5.86E-04	1.21E-03	6.11E-04	5.79E-04	1.19E-03
2633 490810.04, 3858760.04	0.01533	0.01453	2.33E-03	2.30E-03	2.19E-03	2.25E-03	2.12E-03	6.17E-04	5.85E-04	1.20E-03	6.02E-04	5.71E-04	1.17E-03	5.94E-04	5.63E-04	1.16E-03
2634 490860.04, 3858760.04	0.01495	0.01418	2.27E-03	2.25E-03	2.14E-03	2.19E-03	2.07E-03	6.02E-04	5.71E-04	1.17E-03	5.87E-04	5.57E-04	1.14E-03	5.79E-04	5.49E-04	1.13E-03
2635 490360.04, 3858810.04	0.02079	0.01966	3.16E-03	3.11E-03	2.98E-03	3.05E-03	2.88E-03	8.37E-04	7.91E-04	1.63E-03	8.16E-04	7.72E-04	1.59E-03	8.06E-04	7.62E-04	1.57E-03
2636 490410.04, 3858810.04	0.0201	0.01901	3.05E-03	3.01E-03	2.88E-03	2.95E-03	2.78E-03	8.09E-04	7.65E-04	1.57E-03	7.89E-04	7.47E-04	1.54E-03	7.79E-04	7.37E-04	1.52E-03

2637 490460.04, 3858810.04	0.01943	0.01838	2.95E-03	2.91E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	7.40E-04	1.52E-03	7.63E-04	7.22E-04	1.48E-03	7.53E-04	7.12E-04	1.47E-03
2638 490510.04, 3858810.04	0.01887	0.01785	2.87E-03	2.83E-03	2.70E-03	2.77E-03	2.61E-03	7.59E-04	7.18E-04	1.48E-03	7.41E-04	7.01E-04	1.44E-03	7.31E-04	6.92E-04	1.42E-03
2639 490560.04, 3858810.04	0.01831	0.01733	2.78E-03	2.74E-03	2.62E-03	2.68E-03	2.53E-03	7.37E-04	6.97E-04	1.43E-03	7.19E-04	6.81E-04	1.40E-03	7.09E-04	6.72E-04	1.38E-03
2640 490610.04, 3858810.04	0.01769	0.01674	2.69E-03	2.65E-03	2.53E-03	2.59E-03	2.45E-03	7.12E-04	6.74E-04	1.39E-03	6.95E-04	6.57E-04	1.35E-03	6.85E-04	6.49E-04	1.33E-03
2641 490660.04, 3858810.04	0.01716	0.01625	2.61E-03	2.57E-03	2.46E-03	2.52E-03	2.37E-03	6.91E-04	6.54E-04	1.34E-03	6.74E-04	6.38E-04	1.31E-03	6.65E-04	6.30E-04	1.29E-03
2642 490710.04, 3858810.04	0.01663	0.01576	2.53E-03	2.50E-03	2.38E-03	2.44E-03	2.30E-03	6.69E-04	6.34E-04	1.30E-03	6.53E-04	6.19E-04	1.27E-03	6.44E-04	6.11E-04	1.26E-03
2643 490760.04, 3858810.04	0.01604	0.01521	2.44E-03	2.41E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	6.12E-04	1.26E-03	6.30E-04	5.97E-04	1.23E-03	6.22E-04	5.89E-04	1.21E-03
2644 490810.04, 3858810.04	0.0157	0.01489	2.39E-03	2.36E-03	2.25E-03	2.30E-03	2.17E-03	6.32E-04	5.99E-04	1.23E-03	6.17E-04	5.85E-04	1.20E-03	6.08E-04	5.77E-04	1.19E-03
2645 490860.04, 3858810.04	0.01523	0.01446	2.31E-03	2.29E-03	2.18E-03	2.23E-03	2.11E-03	6.13E-04	5.82E-04	1.19E-03	5.98E-04	5.68E-04	1.17E-03	5.90E-04	5.60E-04	1.15E-03
2646 490360.04, 3858860.04	0.02156	0.02042	3.28E-03	3.23E-03	3.09E-03	3.16E-03	2.98E-03	8.68E-04	8.22E-04	1.69E-03	8.47E-04	8.02E-04	1.65E-03	8.35E-04	7.91E-04	1.63E-03
2647 490410.04, 3858860.04	0.02096	0.01985	3.18E-03	3.14E-03	3.00E-03	3.07E-03	2.90E-03	8.43E-04	7.99E-04	1.64E-03	8.23E-04	7.80E-04	1.60E-03	8.12E-04	7.69E-04	1.58E-03
2648 490460.04, 3858860.04	0.02018	0.01912	3.07E-03	3.03E-03	2.89E-03	2.96E-03	2.79E-03	8.12E-04	7.69E-04	1.58E-03	7.92E-04	7.51E-04	1.54E-03	7.82E-04	7.41E-04	1.52E-03
2649 490510.04, 3858860.04	0.01966	0.01862	2.99E-03	2.95E-03	2.81E-03	2.88E-03	2.72E-03	7.91E-04	7.49E-04	1.54E-03	7.72E-04	7.31E-04	1.50E-03	7.62E-04	7.21E-04	1.48E-03
2650 490560.04, 3858860.04	0.01898	0.01799	2.88E-03	2.85E-03	2.72E-03	2.78E-03	2.63E-03	7.64E-04	7.24E-04	1.49E-03	7.45E-04	7.06E-04	1.45E-03	7.35E-04	6.97E-04	1.43E-03
2651 490610.04, 3858860.04	0.01822	0.01727	2.77E-03	2.73E-03	2.61E-03	2.67E-03	2.52E-03	7.33E-04	6.95E-04	1.43E-03	7.15E-04	6.78E-04	1.39E-03	7.06E-04	6.69E-04	1.38E-03
2652 490660.04, 3858860.04	0.01766	0.01675	2.68E-03	2.65E-03	2.53E-03	2.59E-03	2.44E-03	7.11E-04	6.74E-04	1.38E-03	6.94E-04	6.58E-04	1.35E-03	6.84E-04	6.49E-04	1.33E-03
2653 490710.04, 3858860.04	0.01719	0.01632	2.61E-03	2.58E-03	2.46E-03	2.52E-03	2.38E-03	6.92E-04	6.57E-04	1.35E-03	6.75E-04	6.41E-04	1.32E-03	6.66E-04	6.32E-04	1.30E-03
2654 490760.04, 3858860.04	0.01657	0.01574	2.52E-03	2.49E-03	2.37E-03	2.43E-03	2.29E-03	6.67E-04	6.33E-04	1.30E-03	6.51E-04	6.18E-04	1.27E-03	6.42E-04	6.10E-04	1.25E-03
2655 490810.04, 3858860.04	0.01601	0.01521	2.43E-03	2.41E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.12E-04	1.26E-03	6.29E-04	5.97E-04	1.23E-03	6.20E-04	5.89E-04	1.21E-03
2656 490860.04, 3858860.04	0.01547	0.01471	2.35E-03	2.33E-03	2.21E-03	2.27E-03	2.14E-03	6.23E-04	5.92E-04	1.21E-03	6.08E-04	5.78E-04	1.19E-03	5.99E-04	5.70E-04	1.17E-03
2657 490360.04, 3858910.04	0.02276	0.02159	3.46E-03	3.42E-03	3.26E-03	3.34E-03	3.15E-03	9.16E-04	8.69E-04	1.78E-03	8.94E-04	8.48E-04	1.74E-03	8.82E-04	8.37E-04	1.72E-03
2658 490410.04, 3858910.04	0.02196	0.02084	3.34E-03	3.30E-03	3.14E-03	3.22E-03	3.04E-03	8.84E-04	8.39E-04	1.72E-03	8.62E-04	8.18E-04	1.68E-03	8.51E-04	8.08E-04	1.66E-03
2659 490460.04, 3858910.04	0.02118	0.0201	3.22E-03	3.18E-03	3.03E-03	3.11E-03	2.93E-03	8.52E-04	8.09E-04	1.66E-03	8.32E-04	7.89E-04	1.62E-03	8.21E-04	7.79E-04	1.60E-03
2660 490510.04, 3858910.04	0.02039	0.01936	3.10E-03	3.07E-03	2.92E-03	2.99E-03	2.82E-03	8.21E-04	7.79E-04	1.60E-03	8.01E-04	7.60E-04	1.56E-03	7.90E-04	7.50E-04	1.54E-03
2661 490560.04, 3858910.04	0.01961	0.01862	2.98E-03	2.95E-03	2.81E-03	2.88E-03	2.71E-03	7.89E-04	7.49E-04	1.54E-03	7.70E-04	7.31E-04	1.50E-03	7.60E-04	7.21E-04	1.48E-03
2662 490610.04, 3858910.04	0.01885	0.01791	2.86E-03	2.84E-03	2.70E-03	2.76E-03	2.61E-03	7.59E-04	7.21E-04	1.48E-03	7.40E-04	7.03E-04	1.44E-03	7.30E-04	6.94E-04	1.42E-03
2663 490660.04, 3858910.04	0.01823	0.01733	2.77E-03	2.74E-03	2.61E-03	2.67E-03	2.52E-03	7.34E-04	6.97E-04	1.43E-03	7.16E-04	6.81E-04	1.40E-03	7.06E-04	6.72E-04	1.38E-03
2664 490710.04, 3858910.04	0.01758	0.01672	2.67E-03	2.65E-03	2.52E-03	2.58E-03	2.43E-03	7.07E-04	6.73E-04	1.38E-03	6.90E-04	6.57E-04	1.35E-03	6.81E-04	6.48E-04	1.33E-03
2665 490760.04, 3858910.04	0.01689	0.01607	2.57E-03	2.54E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	6.47E-04	1.33E-03	6.63E-04	6.31E-04	1.29E-03	6.54E-04	6.23E-04	1.28E-03
2666 490810.04, 3858910.04	0.01636	0.01558	2.49E-03	2.47E-03	2.34E-03	2.40E-03	2.26E-03	6.58E-04	6.27E-04	1.29E-03	6.42E-04	6.12E-04	1.25E-03	6.34E-04	6.04E-04	1.24E-03
2667 490860.04, 3858910.04	0.01574	0.015	2.39E-03	2.37E-03	2.25E-03	2.31E-03	2.18E-03	6.33E-04	6.04E-04	1.24E-03	6.18E-04	5.89E-04	1.21E-03	6.10E-04	5.81E-04	1.19E-03
2668 490360.04, 3858960.04	0.02386	0.0227	3.63E-03	3.59E-03	3.42E-03	3.50E-03	3.30E-03	9.60E-04	9.14E-04	1.87E-03	9.37E-04	8.91E-04	1.83E-03	9.25E-04	8.80E-04	1.80E-03
2669 490410.04, 3858960.04	0.02291	0.02179	3.48E-03	3.45E-03	3.28E-03	3.36E-03	3.17E-03	9.22E-04	8.77E-04	1.80E-03	9.00E-04	8.56E-04	1.76E-03	8.88E-04	8.44E-04	1.73E-03
2670 490460.04, 3858960.04	0.02196	0.02089	3.34E-03	3.31E-03	3.14E-03	3.22E-03	3.04E-03	8.84E-04	8.41E-04	1.72E-03	8.62E-04	8.20E-04	1.68E-03	8.51E-04	8.09E-04	1.66E-03
2671 490510.04, 3858960.04	0.02111	0.02009	3.21E-03	3.18E-03	3.02E-03	3.10E-03	2.92E-03	8.50E-04	8.08E-04	1.66E-03	8.29E-04	7.89E-04	1.62E-03	8.18E-04	7.78E-04	1.60E-03
2672 490560.04, 3858960.04	0.02031	0.01934	3.09E-03	3.06E-03	2.91E-03	2.98E-03	2.81E-03	8.17E-04	7.78E-04	1.60E-03	7.98E-04	7.59E-04	1.56E-03	7.87E-04	7.49E-04	1.54E-03
2673 490610.04, 3858960.04	0.01942	0.01849	2.95E-03	2.93E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	7.44E-04	1.53E-03	7.63E-04	7.26E-04	1.49E-03	7.52E-04	7.16E-04	1.47E-03
2674 490660.04, 3858960.04	0.01887	0.01798	2.87E-03	2.85E-03	2.70E-03	2.77E-03	2.61E-03	7.59E-04	7.24E-04	1.48E-03	7.41E-04	7.06E-04	1.45E-03	7.31E-04	6.97E-04	1.43E-03
2675 490710.04, 3858960.04	0.01807	0.01723	2.75E-03	2.73E-03	2.59E-03	2.65E-03	2.50E-03	7.27E-04	6.93E-04	1.42E-03	7.10E-04	6.77E-04	1.39E-03	7.00E-04	6.68E-04	1.37E-03
2676 490760.04, 3858960.04	0.01738	0.01658	2.64E-03	2.63E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	6.67E-04	1.37E-03	6.83E-04	6.51E-04	1.33E-03	6.73E-04	6.42E-04	1.32E-03
2677 490810.04, 3858960.04	0.01673	0.01597	2.54E-03	2.53E-03	2.40E-03	2.45E-03	2.31E-03	6.73E-04	6.43E-04	1.32E-03	6.57E-04	6.27E-04	1.28E-03	6.48E-04	6.19E-04	1.27E-03
2678 490860.04, 3858960.04	0.01605	0.01533	2.44E-03	2.43E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	6.17E-04	1.26E-03	6.30E-04	6.02E-04	1.23E-03	6.22E-04	5.94E-04	1.22E-03
2679 490360.04, 3859010.04	0.02511	0.02396	3.82E-03	3.79E-03	3.59E-03	3.68E-03	3.47E-03	1.01E-03	9.64E-04	1.97E-03	9.86E-04	9.41E-04	1.93E-03	9.73E-04	9.28E-04	1.90E-03
2680 490410.04, 3859010.04	0.02398	0.02288	3.64E-03	3.62E-03	3.43E-03	3.52E-03	3.32E-03	9.65E-04	9.21E-04	1.89E-03	9.42E-04	8.98E-04	1.84E-03	9.29E-04	8.87E-04	1.82E-03
2681 490460.04, 3859010.04	0.02279	0.02175	3.46E-03	3.44E-03	3.26E-03	3.34E-03	3.15E-03	9.17E-04	8.75E-04	1.79E-03	8.95E-04	8.54E-04	1.75E-03	8.83E-04	8.43E-04	1.73E-03
2682 490510.04, 3859010.04	0.0217	0.02071	3.30E-03	3.28E-03	3.11E-03	3.18E-03	3.00E-03	8.73E-04	8.33E-04	1.71E-03	8.52E-04	8.13E-04	1.67E-03	8.41E-04	8.02E-04	1.64E-03
2683 490560.04, 3859010.04	0.02098	0.02002	3.19E-03	3.17E-03	3.00E-03	3.08E-03	2.90E-03	8.44E-04	8.06E-04	1.65E-03	8.24E-04	7.86E-04	1.61E-03	8.13E-04	7.76E-04	1.59E-03
2684 490610.04, 3859010.04	0.02003	0.01912	3.04E-03	3.03E-03	2.87E-03	2.94E-03	2.77E-03	8.06E-04	7.69E-04	1.58E-03	7.87E-04	7.51E-04	1.54E-03	7.76E-04	7.41E-04	1.52E-03
2685 490660.04, 3859010.04	0.01945	0.01858	2.96E-03	2.94E-03	2.78E-03	2.85E-03	2.69E-03	7.83E-04	7.48E-04	1.53E-03	7.64E-04	7.30E-04	1.49E-03	7.54E-04	7.20E-04	1.47E-03
2686 490710.04, 3859010.04	0.01857	0.01775	2.82E-03	2.81E-03	2.66E-03	2.72E-03	2.57E-03	7.47E-04	7.14E-04	1.46E-03	7.29E-04	6.97E-04	1.43E-03	7.20E-04	6.88E-04	1.41E-03
2687 490760.04, 3859010.04	0.01781	0.01703	2.71E-03	2.70E-03	2.55E-03	2.61E-03	2.46E-03	7.17E-04	6.85E-04	1.40E-03	6.99E-04	6.69E-04	1.37E-03	6.90E-04	6.60E-04	1.35E-03
2688 490810.04, 3859010.04	0.01708	0.01635	2.60E-03	2.59E-03	2.45E-03	2.50E-03	2.36E-03	6.87E-04	6.58E-04	1.35E-03	6.71E-04	6.42E-04	1.31E-03	6.62E-04	6.34E-04	1.30E-03
2689 490860.04, 3859010.04	0.01645	0.01575	2.50E-03	2.49E-03	2.35E-03	2.41E-03	2.28E-03	6.62E-04	6.34E-04	1.30E-03	6.46E-04	6.18E-04	1.26E-03	6.37E-04	6.10E-04	1.25E-03
2690 490360.04, 3859060.04	0.02644	0.02531	4.02E-03	4.01E-03	3.79E-03	3.88E-03	3.66E-03	1.06E-03	1.02E-03	2.08E-03	1.04E-03	9.94E-04	2.03E-03	1.02E-03	9.81E-04	2.01E-03
2691 490410.04, 3859060.04	0.02494	0.02387	3.79E-03	3.78E-03	3.57E-03	3.66E-03	3.45E-03	1.00E-03	9.61E-04	1.96E-03	9.79E-04	9.37E-04	1.92E-03	9.66E-04	9.25E-04	1.89E-03
2692 490460.04, 3859060.04	0.02371	0.02269	3.60E-03	3.59E-03	3.39E-03	3.48E-03	3.28E-03	9.54E-04	9.13E-04	1.87E-03	9.31E-04	8.91E-04	1.82E-03	9.19E-04	8.79E-04	1.80E-03
2693 490510.04, 3859060.04	0.02265	0.02168	3.44E-03	3.43E-03	3.24E-03	3.32E-03	3.13E-03	9.12E-04	8.72E-04	1.78E-03	8.89E-04	8.51E-04	1.74E-03	8.78E-04	8.40E-04	1.72E-03
2694 490560.04, 3859060.04	0.02154	0.02062	3.27E-03	3.26E-03	3.08E-03	3.16E-03	2.98E-03	8.67E-04	8.30E-04	1.70E-03	8.46E-04	8.10E-04	1.66E-03	8.35E-04	7.99E-04	1.63E-03
2695 490610.04, 3859060.04	0.02073	0.01985	3.15E-03	3.14E-03	2.97E-03	3.04E-03	2.87E-03	8.34E-04	7.99E-04	1.63E-03	8.14E-04	7.80E-04	1.59E-03	8.03E-04	7.69E-04	1.57E-03
2696 490660.04, 3859060.04	0.01999	0.01915	3.04E-03	3.03E-03	2.86E-03	2.93E-03	2.76E-03	8.04E-04	7.71E-04	1.58E-03	7.85E-04	7.52E-04	1.54E-03	7.75E-04	7.42E-04	1.52E-03
2697 490710.04, 3859060.04	0.01905	0.01826	2.89E-03	2.89E-03	2.73E-03	2.79E-03	2.63E-03	7.67E-04	7.35E-04	1.50E-03	7.48E-04	7.17E-04	1.47E-03	7.38E-04	7.08E-04	1.45E-03
2698 490760.04, 3859060.04	0.01823	0.01748	2.77E-03	2.77E-03	2.61E-03	2.67E-03	2.52E-03	7.34E-04	7.03E-04	1.44E-03	7.16E-04	6.86E-04	1.40E-03	7.06E-04	6.77E-04	1.38E-03
2699 490810.04, 3859060.04	0.01746	0.01675	2.65E-03	2.65E-03	2.50E-03	2.56E-03	2.41E-03	7.03E-04	6.74E-04	1.38E-03	6.86E-04	6.58E-04	1.34E-03	6.77E-04	6.49E-04	1.33E-03
2700 490860.04, 3859060.04	0.01678	0.01611	2.55E-03	2.55E-03	2.40E-03	2.46E-03	2.32E-03	6.75E-04	6.48E-04	1.32E-03	6.59E-04	6.33E-04	1.29E-03	6.50E-04	6.24E-04	1.27E-03
2701 490360.04, 3859110.04	0.02816	0.02706	4.28E-03	4.28E-03	4.03E-03	4.13E-03	3.89E-03	1.13E-03	1.09E-03	2.22E-03	1.11E-03	1.06E-03	2.17E-03	1.09E-03	1.05E-03	2.14E-03
2702 490410.04, 3859110.04	0.02645	0.02541	4.02E-03	4.02E-03	3.79E-03	3.88E-03	3.66E-03	1.06E-03	1.02E-03	2.09E-03	1.04E-03	9.98E-04	2.04E-03	1.02E-03	9.85E-04	2.01E-03

2703 490460.04, 3859110.04	0.02518	0.02418	3.83E-03	3.83E-03	3.60E-03	3.69E-03	3.48E-03	1.01E-03	9.73E-04	1.99E-03	9.89E-04	9.50E-04	1.94E-03	9.76E-04	9.37E-04	1.91E-03
2704 490510.04, 3859110.04	0.02353	0.0226	3.58E-03	3.58E-03	3.37E-03	3.45E-03	3.25E-03	9.47E-04	9.09E-04	1.86E-03	9.24E-04	8.87E-04	1.81E-03	9.12E-04	8.76E-04	1.79E-03
2705 490560.04, 3859110.04	0.02242	0.02153	3.41E-03	3.41E-03	3.21E-03	3.29E-03	3.10E-03	9.02E-04	8.66E-04	1.77E-03	8.80E-04	8.45E-04	1.73E-03	8.69E-04	8.34E-04	1.70E-03
2706 490610.04, 3859110.04	0.02132	0.02048	3.24E-03	3.24E-03	3.05E-03	3.13E-03	2.95E-03	8.58E-04	8.24E-04	1.68E-03	8.37E-04	8.04E-04	1.64E-03	8.26E-04	7.94E-04	1.62E-03
2707 490660.04, 3859110.04	0.02024	0.01945	3.08E-03	3.08E-03	2.90E-03	2.97E-03	2.80E-03	8.15E-04	7.83E-04	1.60E-03	7.95E-04	7.64E-04	1.56E-03	7.84E-04	7.54E-04	1.54E-03
2708 490710.04, 3859110.04	0.01949	0.01874	2.96E-03	2.97E-03	2.79E-03	2.86E-03	2.70E-03	7.84E-04	7.54E-04	1.54E-03	7.65E-04	7.36E-04	1.50E-03	7.55E-04	7.26E-04	1.48E-03
2709 490760.04, 3859110.04	0.01867	0.01796	2.84E-03	2.84E-03	2.67E-03	2.74E-03	2.58E-03	7.51E-04	7.23E-04	1.47E-03	7.33E-04	7.05E-04	1.44E-03	7.23E-04	6.96E-04	1.42E-03
2710 490810.04, 3859110.04	0.01783	0.01716	2.71E-03	2.72E-03	2.55E-03	2.61E-03	2.47E-03	7.18E-04	6.91E-04	1.41E-03	7.00E-04	6.74E-04	1.37E-03	6.91E-04	6.65E-04	1.36E-03
2711 490860.04, 3859110.04	0.01706	0.01644	2.59E-03	2.60E-03	2.44E-03	2.50E-03	2.36E-03	6.87E-04	6.62E-04	1.35E-03	6.70E-04	6.46E-04	1.32E-03	6.61E-04	6.37E-04	1.30E-03
2712 490360.04, 3859160.04	0.03029	0.02923	4.60E-03	4.63E-03	4.34E-03	4.44E-03	4.19E-03	1.22E-03	1.18E-03	2.40E-03	1.19E-03	1.15E-03	2.34E-03	1.17E-03	1.13E-03	2.31E-03
2713 490410.04, 3859160.04	0.02838	0.02738	4.31E-03	4.34E-03	4.06E-03	4.16E-03	3.93E-03	1.14E-03	1.10E-03	2.24E-03	1.11E-03	1.08E-03	2.19E-03	1.10E-03	1.06E-03	2.16E-03
2714 490460.04, 3859160.04	0.02673	0.02578	4.06E-03	4.08E-03	3.83E-03	3.92E-03	3.70E-03	1.08E-03	1.04E-03	2.11E-03	1.05E-03	1.01E-03	2.06E-03	1.04E-03	9.99E-04	2.03E-03
2715 490510.04, 3859160.04	0.0252	0.02429	3.83E-03	3.85E-03	3.61E-03	3.70E-03	3.49E-03	1.01E-03	9.78E-04	1.99E-03	9.90E-04	9.54E-04	1.94E-03	9.76E-04	9.41E-04	1.92E-03
2716 490560.04, 3859160.04	0.02363	0.02278	3.59E-03	3.61E-03	3.38E-03	3.46E-03	3.27E-03	9.51E-04	9.17E-04	1.87E-03	9.28E-04	8.95E-04	1.82E-03	9.16E-04	8.83E-04	1.80E-03
2717 490610.04, 3859160.04	0.02251	0.0217	3.42E-03	3.44E-03	3.22E-03	3.30E-03	3.11E-03	9.06E-04	8.73E-04	1.78E-03	8.84E-04	8.52E-04	1.74E-03	8.72E-04	8.41E-04	1.71E-03
2718 490660.04, 3859160.04	0.02091	0.02017	3.18E-03	3.19E-03	2.99E-03	3.07E-03	2.89E-03	8.41E-04	8.12E-04	1.65E-03	8.21E-04	7.92E-04	1.61E-03	8.10E-04	7.82E-04	1.59E-03
2719 490710.04, 3859160.04	0.02007	0.01936	3.05E-03	3.07E-03	2.87E-03	2.94E-03	2.78E-03	8.08E-04	7.79E-04	1.59E-03	7.88E-04	7.60E-04	1.55E-03	7.78E-04	7.50E-04	1.53E-03
2720 490760.04, 3859160.04	0.01898	0.01833	2.88E-03	2.90E-03	2.72E-03	2.78E-03	2.63E-03	7.64E-04	7.38E-04	1.50E-03	7.45E-04	7.20E-04	1.47E-03	7.35E-04	7.10E-04	1.45E-03
2721 490810.04, 3859160.04	0.01826	0.01764	2.77E-03	2.79E-03	2.61E-03	2.68E-03	2.53E-03	7.35E-04	7.10E-04	1.44E-03	7.17E-04	6.93E-04	1.41E-03	7.08E-04	6.84E-04	1.39E-03
2722 490860.04, 3859160.04	0.01755	0.01697	2.67E-03	2.69E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	6.83E-04	1.39E-03	6.89E-04	6.66E-04	1.36E-03	6.80E-04	6.58E-04	1.34E-03
2723 490360.04, 3859210.04	0.03283	0.03184	4.99E-03	5.04E-03	4.70E-03	4.81E-03	4.54E-03	1.32E-03	1.28E-03	2.60E-03	1.29E-03	1.25E-03	2.54E-03	1.27E-03	1.23E-03	2.51E-03
2724 490410.04, 3859210.04	0.03109	0.03013	4.72E-03	4.77E-03	4.45E-03	4.56E-03	4.30E-03	1.25E-03	1.21E-03	2.46E-03	1.22E-03	1.18E-03	2.40E-03	1.20E-03	1.17E-03	2.37E-03
2725 490460.04, 3859210.04	0.02862	0.02771	4.35E-03	4.39E-03	4.10E-03	4.20E-03	3.96E-03	1.15E-03	1.12E-03	2.27E-03	1.12E-03	1.09E-03	2.21E-03	1.11E-03	1.07E-03	2.18E-03
2726 490510.04, 3859210.04	0.02681	0.02594	4.07E-03	4.11E-03	3.84E-03	3.93E-03	3.71E-03	1.08E-03	1.04E-03	2.12E-03	1.05E-03	1.02E-03	2.07E-03	1.04E-03	1.01E-03	2.04E-03
2727 490560.04, 3859210.04	0.02544	0.02462	3.87E-03	3.90E-03	3.64E-03	3.73E-03	3.52E-03	1.02E-03	9.91E-04	2.01E-03	9.99E-04	9.67E-04	1.97E-03	9.86E-04	9.54E-04	1.94E-03
2728 490610.04, 3859210.04	0.02396	0.02318	3.64E-03	3.67E-03	3.43E-03	3.51E-03	3.31E-03	9.64E-04	9.33E-04	1.90E-03	9.41E-04	9.10E-04	1.85E-03	9.28E-04	8.98E-04	1.83E-03
2729 490660.04, 3859210.04	0.02226	0.02154	3.38E-03	3.41E-03	3.19E-03	3.26E-03	3.08E-03	8.96E-04	8.67E-04	1.76E-03	8.74E-04	8.46E-04	1.72E-03	8.63E-04	8.35E-04	1.70E-03
2730 490710.04, 3859210.04	0.02112	0.02044	3.21E-03	3.24E-03	3.02E-03	3.10E-03	2.92E-03	8.50E-04	8.23E-04	1.67E-03	8.29E-04	8.03E-04	1.63E-03	8.18E-04	7.92E-04	1.61E-03
2731 490760.04, 3859210.04	0.01998	0.01936	3.04E-03	3.07E-03	2.86E-03	2.93E-03	2.76E-03	8.04E-04	7.79E-04	1.58E-03	7.85E-04	7.60E-04	1.54E-03	7.74E-04	7.50E-04	1.52E-03
2732 490810.04, 3859210.04	0.01942	0.01882	2.95E-03	2.98E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	7.57E-04	1.54E-03	7.63E-04	7.39E-04	1.50E-03	7.52E-04	7.29E-04	1.48E-03
2733 490860.04, 3859210.04	0.01887	0.01829	2.87E-03	2.90E-03	2.70E-03	2.77E-03	2.61E-03	7.59E-04	7.36E-04	1.50E-03	7.41E-04	7.18E-04	1.46E-03	7.31E-04	7.09E-04	1.44E-03
2734 490360.04, 3859260.04	0.03568	0.03477	5.42E-03	5.51E-03	5.11E-03	5.23E-03	4.93E-03	1.44E-03	1.40E-03	2.84E-03	1.40E-03	1.37E-03	2.77E-03	1.38E-03	1.35E-03	2.73E-03
2735 490410.04, 3859260.04	0.03345	0.03256	5.08E-03	5.16E-03	4.79E-03	4.90E-03	4.63E-03	1.35E-03	1.31E-03	2.66E-03	1.31E-03	1.28E-03	2.59E-03	1.30E-03	1.26E-03	2.56E-03
2736 490460.04, 3859260.04	0.03161	0.03075	4.80E-03	4.87E-03	4.53E-03	4.63E-03	4.37E-03	1.27E-03	1.24E-03	2.51E-03	1.24E-03	1.21E-03	2.45E-03	1.22E-03	1.19E-03	2.42E-03
2737 490510.04, 3859260.04	0.02988	0.02904	4.54E-03	4.60E-03	4.28E-03	4.38E-03	4.13E-03	1.20E-03	1.17E-03	2.37E-03	1.17E-03	1.14E-03	2.31E-03	1.16E-03	1.13E-03	2.28E-03
2738 490560.04, 3859260.04	0.02799	0.0272	4.25E-03	4.31E-03	4.01E-03	4.10E-03	3.87E-03	1.13E-03	1.09E-03	2.22E-03	1.10E-03	1.07E-03	2.17E-03	1.08E-03	1.05E-03	2.14E-03
2739 490610.04, 3859260.04	0.0259	0.02516	3.94E-03	3.98E-03	3.71E-03	3.80E-03	3.58E-03	1.04E-03	1.01E-03	2.05E-03	1.02E-03	9.88E-04	2.01E-03	1.00E-03	9.75E-04	1.98E-03
2740 490660.04, 3859260.04	0.02494	0.02422	3.79E-03	3.83E-03	3.57E-03	3.66E-03	3.45E-03	1.00E-03	9.75E-04	1.98E-03	9.79E-04	9.51E-04	1.93E-03	9.66E-04	9.38E-04	1.90E-03
2741 490710.04, 3859260.04	0.02362	0.02293	3.59E-03	3.63E-03	3.38E-03	3.46E-03	3.27E-03	9.51E-04	9.23E-04	1.87E-03	9.28E-04	9.00E-04	1.83E-03	9.15E-04	8.89E-04	1.80E-03
2742 490760.04, 3859260.04	0.02214	0.0215	3.36E-03	3.40E-03	3.17E-03	3.25E-03	3.06E-03	8.91E-04	8.65E-04	1.76E-03	8.69E-04	8.44E-04	1.71E-03	8.58E-04	8.33E-04	1.69E-03
2743 490810.04, 3859260.04	0.02135	0.02074	3.24E-03	3.28E-03	3.06E-03	3.13E-03	2.95E-03	8.59E-04	8.35E-04	1.69E-03	8.38E-04	8.14E-04	1.65E-03	8.27E-04	8.04E-04	1.63E-03
2744 490860.04, 3859260.04	0.02062	0.02003	3.13E-03	3.17E-03	2.95E-03	3.02E-03	2.85E-03	8.30E-04	8.06E-04	1.64E-03	8.10E-04	7.87E-04	1.60E-03	7.99E-04	7.76E-04	1.58E-03
2745 490360.04, 3859310.04	0.03995	0.03913	6.07E-03	6.20E-03	5.72E-03	5.86E-03	5.53E-03	1.61E-03	1.57E-03	3.18E-03	1.57E-03	1.54E-03	3.11E-03	1.55E-03	1.52E-03	3.06E-03
2746 490410.04, 3859310.04	0.03721	0.03641	5.65E-03	5.76E-03	5.33E-03	5.46E-03	5.15E-03	1.50E-03	1.47E-03	2.96E-03	1.46E-03	1.43E-03	2.89E-03	1.44E-03	1.41E-03	2.85E-03
2747 490460.04, 3859310.04	0.03489	0.0341	5.30E-03	5.40E-03	4.99E-03	5.12E-03	4.83E-03	1.40E-03	1.37E-03	2.78E-03	1.37E-03	1.34E-03	2.71E-03	1.35E-03	1.32E-03	2.67E-03
2748 490510.04, 3859310.04	0.03303	0.03224	5.02E-03	5.10E-03	4.73E-03	4.84E-03	4.57E-03	1.33E-03	1.30E-03	2.63E-03	1.30E-03	1.27E-03	2.56E-03	1.28E-03	1.25E-03	2.53E-03
2749 490560.04, 3859310.04	0.03123	0.03047	4.75E-03	4.82E-03	4.47E-03	4.58E-03	4.32E-03	1.26E-03	1.23E-03	2.48E-03	1.23E-03	1.20E-03	2.42E-03	1.21E-03	1.18E-03	2.39E-03
2750 490610.04, 3859310.04	0.0297	0.02896	4.51E-03	4.59E-03	4.25E-03	4.35E-03	4.11E-03	1.20E-03	1.17E-03	2.36E-03	1.17E-03	1.14E-03	2.30E-03	1.15E-03	1.12E-03	2.27E-03
2751 490660.04, 3859310.04	0.02808	0.02737	4.27E-03	4.33E-03	4.02E-03	4.12E-03	3.88E-03	1.13E-03	1.10E-03	2.23E-03	1.10E-03	1.07E-03	2.18E-03	1.09E-03	1.06E-03	2.15E-03
2752 490710.04, 3859310.04	0.02598	0.02532	3.95E-03	4.01E-03	3.72E-03	3.81E-03	3.59E-03	1.05E-03	1.02E-03	2.06E-03	1.02E-03	9.94E-04	2.01E-03	1.01E-03	9.81E-04	1.99E-03
2753 490760.04, 3859310.04	0.02461	0.02398	3.74E-03	3.80E-03	3.52E-03	3.61E-03	3.40E-03	9.90E-04	9.65E-04	1.96E-03	9.66E-04	9.42E-04	1.91E-03	9.54E-04	9.29E-04	1.88E-03
2754 490810.04, 3859310.04	0.02362	0.02302	3.59E-03	3.64E-03	3.38E-03	3.46E-03	3.27E-03	9.51E-04	9.26E-04	1.88E-03	9.28E-04	9.04E-04	1.83E-03	9.15E-04	8.92E-04	1.81E-03
2755 490860.04, 3859310.04	0.0225	0.02193	3.42E-03	3.47E-03	3.22E-03	3.30E-03	3.11E-03	9.05E-04	8.83E-04	1.79E-03	8.84E-04	8.61E-04	1.74E-03	8.72E-04	8.50E-04	1.72E-03
2756 490360.04, 3859360.04	0.04548	0.04478	6.91E-03	7.09E-03	6.51E-03	6.67E-03	6.29E-03	1.83E-03	1.80E-03	3.63E-03	1.79E-03	1.76E-03	3.54E-03	1.76E-03	1.74E-03	3.50E-03
2757 490410.04, 3859360.04	0.04247	0.04176	6.45E-03	6.61E-03	6.08E-03	6.23E-03	5.87E-03	1.71E-03	1.68E-03	3.39E-03	1.67E-03	1.64E-03	3.31E-03	1.65E-03	1.62E-03	3.26E-03
2758 490460.04, 3859360.04	0.03987	0.03916	6.06E-03	6.20E-03	5.71E-03	5.85E-03	5.51E-03	1.60E-03	1.58E-03	3.18E-03	1.57E-03	1.54E-03	3.10E-03	1.54E-03	1.52E-03	3.06E-03
2759 490510.04, 3859360.04	0.03751	0.0368	5.70E-03	5.83E-03	5.37E-03	5.50E-03	5.19E-03	1.51E-03	1.48E-03	2.99E-03	1.47E-03	1.45E-03	2.92E-03	1.45E-03	1.43E-03	2.88E-03
2760 490560.04, 3859360.04	0.03507	0.03437	5.33E-03	5.44E-03	5.02E-03	5.14E-03	4.85E-03	1.41E-03	1.38E-03	2.79E-03	1.38E-03	1.35E-03	2.73E-03	1.36E-03	1.33E-03	2.69E-03
2761 490610.04, 3859360.04	0.0329	0.03222	5.00E-03	5.10E-03	4.71E-03	4.82E-03	4.55E-03	1.32E-03	1.30E-03	2.62E-03	1.29E-03	1.27E-03	2.56E-03	1.27E-03	1.25E-03	2.52E-03
2762 490660.04, 3859360.04	0.0311	0.03043	4.73E-03	4.82E-03	4.45E-03	4.56E-03	4.30E-03	1.25E-03	1.22E-03	2.48E-03	1.22E-03	1.19E-03	2.42E-03	1.21E-03	1.18E-03	2.38E-03
2763 490710.04, 3859360.04	0.02912	0.02848	4.42E-03	4.51E-03	4.17E-03	4.27E-03	4.03E-03	1.17E-03	1.15E-03	2.32E-03	1.14E-03	1.12E-03	2.26E-03	1.13E-03	1.10E-03	2.23E-03
2764 490760.04, 3859360.04	0.02727	0.02667	4.14E-03	4.22E-03	3.90E-03	4.00E-03	3.77E-03	1.10E-03	1.07E-03	2.17E-03	1.07E-03	1.05E-03	2.12E-03	1.06E-03	1.03E-03	2.09E-03
2765 490810.04, 3859360.04	0.02628	0.0257	3.99E-03	4.07E-03	3.76E-03	3.85E-03	3.63E-03	1.06E-03	1.03E-03	2.09E-03	1.03E-03	1.01E-03	2.04E-03	1.02E-03	9.96E-04	2.01E-03
2766 490860.04, 3859360.04	0.02504	0.02447	3.80E-03	3.87E-03	3.58E-03	3.67E-03	3.46E-03	1.01E-03	9.85E-04	1.99E-03	9.83E-04	9.61E-04	1.94E-03	9.70E-04	9.48E-04	1.92E-03
2767 490360.04, 3859410.04	0.05282	0.05227	8.03E-03	8.28E-03	7.56E-03	7.74E-03	7.31E-03	2.13E-03	2.10E-03	4.23E-03	2.07E-03	2.05E-03	4.13E-03	2.05E-03	2.03E-03	4.07E-03
2768 490410.04, 3859410.04	0.04913	0.04854	7.47E-03	7.69E-03	7.03E-03	7.20E-03	6.80E-03	1.98E-03	1.95E-03	3.93E-03	1.93E-03	1.91E-03	3.84E-03	1.90E-03	1.88E-03	3.78E-03

2769 490460.04, 3859410.04	0.04583	0.04523	6.96E-03	7.16E-03	6.56E-03	6.72E-03	6.34E-03	1.84E-03	1.82E-03	3.66E-03	1.80E-03	1.78E-03	3.58E-03	1.78E-03	1.75E-03	3.53E-03
2770 490510.04, 3859410.04	0.04284	0.04224	6.51E-03	6.69E-03	6.13E-03	6.28E-03	5.93E-03	1.72E-03	1.70E-03	3.42E-03	1.68E-03	1.66E-03	3.34E-03	1.66E-03	1.64E-03	3.30E-03
2771 490560.04, 3859410.04	0.04018	0.03957	6.11E-03	6.27E-03	5.75E-03	5.89E-03	5.56E-03	1.62E-03	1.59E-03	3.21E-03	1.58E-03	1.55E-03	3.13E-03	1.56E-03	1.53E-03	3.09E-03
2772 490610.04, 3859410.04	0.03776	0.03715	5.74E-03	5.88E-03	5.41E-03	5.54E-03	5.22E-03	1.52E-03	1.50E-03	3.01E-03	1.48E-03	1.46E-03	2.94E-03	1.46E-03	1.44E-03	2.90E-03
2773 490660.04, 3859410.04	0.03507	0.03447	5.33E-03	5.46E-03	5.02E-03	5.14E-03	4.85E-03	1.41E-03	1.39E-03	2.80E-03	1.38E-03	1.35E-03	2.73E-03	1.36E-03	1.34E-03	2.69E-03
2774 490710.04, 3859410.04	0.03282	0.03223	4.99E-03	5.10E-03	4.70E-03	4.81E-03	4.54E-03	1.32E-03	1.30E-03	2.62E-03	1.29E-03	1.27E-03	2.55E-03	1.27E-03	1.25E-03	2.52E-03
2775 490760.04, 3859410.04	0.03053	0.02998	4.64E-03	4.75E-03	4.37E-03	4.48E-03	4.22E-03	1.23E-03	1.21E-03	2.44E-03	1.20E-03	1.18E-03	2.38E-03	1.18E-03	1.16E-03	2.34E-03
2776 490810.04, 3859410.04	0.02928	0.02874	4.45E-03	4.55E-03	4.19E-03	4.29E-03	4.05E-03	1.18E-03	1.16E-03	2.33E-03	1.15E-03	1.13E-03	2.28E-03	1.13E-03	1.11E-03	2.25E-03
2777 490860.04, 3859410.04	0.02827	0.02774	4.30E-03	4.39E-03	4.05E-03	4.15E-03	3.91E-03	1.14E-03	1.12E-03	2.25E-03	1.11E-03	1.09E-03	2.20E-03	1.10E-03	1.07E-03	2.17E-03
2778 490360.04, 3859460.04	0.0631	0.06275	9.59E-03	9.94E-03	9.03E-03	9.25E-03	8.73E-03	2.54E-03	2.53E-03	5.06E-03	2.48E-03	2.46E-03	4.94E-03	2.45E-03	2.43E-03	4.88E-03
2779 490410.04, 3859460.04	0.05777	0.05735	8.78E-03	9.08E-03	8.27E-03	8.47E-03	7.99E-03	2.32E-03	2.31E-03	4.63E-03	2.27E-03	2.25E-03	4.52E-03	2.24E-03	2.22E-03	4.46E-03
2780 490460.04, 3859460.04	0.05354	0.05308	8.14E-03	8.40E-03	7.66E-03	7.85E-03	7.40E-03	2.15E-03	2.14E-03	4.29E-03	2.10E-03	2.08E-03	4.19E-03	2.07E-03	2.06E-03	4.13E-03
2781 490510.04, 3859460.04	0.04974	0.04926	7.56E-03	7.80E-03	7.12E-03	7.29E-03	6.88E-03	2.00E-03	1.98E-03	3.98E-03	1.95E-03	1.93E-03	3.89E-03	1.93E-03	1.91E-03	3.84E-03
2782 490560.04, 3859460.04	0.04642	0.04594	7.05E-03	7.27E-03	6.65E-03	6.81E-03	6.42E-03	1.87E-03	1.85E-03	3.72E-03	1.82E-03	1.80E-03	3.63E-03	1.80E-03	1.78E-03	3.58E-03
2783 490610.04, 3859460.04	0.04325	0.04276	6.57E-03	6.77E-03	6.19E-03	6.34E-03	5.98E-03	1.74E-03	1.72E-03	3.46E-03	1.70E-03	1.68E-03	3.38E-03	1.68E-03	1.66E-03	3.33E-03
2784 490660.04, 3859460.04	0.04029	0.0398	6.12E-03	6.30E-03	5.77E-03	5.91E-03	5.57E-03	1.62E-03	1.60E-03	3.22E-03	1.58E-03	1.56E-03	3.15E-03	1.56E-03	1.54E-03	3.10E-03
2785 490710.04, 3859460.04	0.03785	0.03736	5.75E-03	5.92E-03	5.42E-03	5.55E-03	5.23E-03	1.52E-03	1.50E-03	3.03E-03	1.49E-03	1.47E-03	2.95E-03	1.47E-03	1.45E-03	2.91E-03
2786 490760.04, 3859460.04	0.03549	0.03501	5.39E-03	5.54E-03	5.08E-03	5.20E-03	4.91E-03	1.43E-03	1.41E-03	2.84E-03	1.39E-03	1.37E-03	2.77E-03	1.38E-03	1.36E-03	2.73E-03
2787 490810.04, 3859460.04	0.03336	0.0329	5.07E-03	5.21E-03	4.78E-03	4.89E-03	4.61E-03	1.34E-03	1.32E-03	2.67E-03	1.31E-03	1.29E-03	2.60E-03	1.29E-03	1.27E-03	2.57E-03
2788 490860.04, 3859460.04	0.03192	0.03146	4.85E-03	4.98E-03	4.57E-03	4.68E-03	4.41E-03	1.28E-03	1.27E-03	2.55E-03	1.25E-03	1.24E-03	2.49E-03	1.24E-03	1.22E-03	2.46E-03
2789 490360.04, 3859510.04	0.07878	0.07863	1.20E-02	1.24E-02	1.13E-02	1.16E-02	1.09E-02	3.17E-03	3.16E-03	6.33E-03	3.09E-03	3.09E-03	6.18E-03	3.05E-03	3.05E-03	6.10E-03
2790 490410.04, 3859510.04	0.0713	0.07117	1.08E-02	1.13E-02	1.02E-02	1.05E-02	9.86E-03	2.87E-03	2.86E-03	5.73E-03	2.80E-03	2.79E-03	5.59E-03	2.76E-03	2.76E-03	5.52E-03
2791 490460.04, 3859510.04	0.06478	0.06455	9.84E-03	1.02E-02	9.27E-03	9.50E-03	8.96E-03	2.61E-03	2.60E-03	5.20E-03	2.54E-03	2.53E-03	5.08E-03	2.51E-03	2.50E-03	5.01E-03
2792 490510.04, 3859510.04	0.05951	0.05925	9.04E-03	9.38E-03	8.52E-03	8.73E-03	8.23E-03	2.39E-03	2.38E-03	4.78E-03	2.34E-03	2.33E-03	4.66E-03	2.31E-03	2.30E-03	4.60E-03
2793 490560.04, 3859510.04	0.05495	0.05468	8.35E-03	8.66E-03	7.87E-03	8.06E-03	7.60E-03	2.21E-03	2.20E-03	4.41E-03	2.16E-03	2.15E-03	4.31E-03	2.13E-03	2.12E-03	4.25E-03
2794 490610.04, 3859510.04	0.05078	0.05049	7.72E-03	7.99E-03	7.27E-03	7.45E-03	7.02E-03	2.04E-03	2.03E-03	4.08E-03	1.99E-03	1.98E-03	3.98E-03	1.97E-03	1.96E-03	3.92E-03
2795 490660.04, 3859510.04	0.04711	0.0468	7.16E-03	7.41E-03	6.74E-03	6.91E-03	6.52E-03	1.90E-03	1.88E-03	3.78E-03	1.85E-03	1.84E-03	3.69E-03	1.83E-03	1.81E-03	3.64E-03
2796 490710.04, 3859510.04	0.04378	0.04346	6.65E-03	6.88E-03	6.27E-03	6.42E-03	6.06E-03	1.76E-03	1.75E-03	3.51E-03	1.72E-03	1.71E-03	3.43E-03	1.70E-03	1.68E-03	3.38E-03
2797 490760.04, 3859510.04	0.04089	0.04055	6.21E-03	6.42E-03	5.85E-03	6.00E-03	5.66E-03	1.65E-03	1.63E-03	3.28E-03	1.61E-03	1.59E-03	3.20E-03	1.58E-03	1.57E-03	3.16E-03
2798 490810.04, 3859510.04	0.03851	0.03817	5.85E-03	6.04E-03	5.51E-03	5.65E-03	5.33E-03	1.55E-03	1.54E-03	3.09E-03	1.51E-03	1.50E-03	3.01E-03	1.49E-03	1.48E-03	2.97E-03
2799 490860.04, 3859510.04	0.03623	0.03589	5.51E-03	5.68E-03	5.19E-03	5.31E-03	5.01E-03	1.46E-03	1.44E-03	2.90E-03	1.42E-03	1.41E-03	2.83E-03	1.40E-03	1.39E-03	2.79E-03
2800 490360.04, 3859560.04	0.10462	0.10494	1.59E-02	1.66E-02	1.50E-02	1.53E-02	1.45E-02	4.21E-03	4.22E-03	8.43E-03	4.11E-03	4.12E-03	8.23E-03	4.05E-03	4.07E-03	8.12E-03
2801 490410.04, 3859560.04	0.09272	0.093	1.41E-02	1.47E-02	1.33E-02	1.36E-02	1.28E-02	3.73E-03	3.74E-03	7.47E-03	3.64E-03	3.65E-03	7.29E-03	3.59E-03	3.60E-03	7.20E-03
2802 490460.04, 3859560.04	0.08277	0.08305	1.26E-02	1.31E-02	1.18E-02	1.21E-02	1.14E-02	3.33E-03	3.34E-03	6.67E-03	3.25E-03	3.26E-03	6.51E-03	3.21E-03	3.22E-03	6.43E-03
2803 490510.04, 3859560.04	0.07393	0.07408	1.12E-02	1.17E-02	1.06E-02	1.08E-02	1.02E-02	2.98E-03	2.98E-03	5.96E-03	2.90E-03	2.91E-03	5.81E-03	2.86E-03	2.87E-03	5.74E-03
2804 490560.04, 3859560.04	0.06734	0.06743	1.02E-02	1.07E-02	9.64E-03	9.87E-03	9.31E-03	2.71E-03	2.71E-03	5.42E-03	2.64E-03	2.65E-03	5.29E-03	2.61E-03	2.61E-03	5.22E-03
2805 490610.04, 3859560.04	0.06146	0.0615	9.34E-03	9.74E-03	8.80E-03	9.01E-03	8.50E-03	2.47E-03	2.47E-03	4.95E-03	2.41E-03	2.42E-03	4.83E-03	2.38E-03	2.38E-03	4.76E-03
2806 490660.04, 3859560.04	0.05642	0.05641	8.57E-03	8.93E-03	8.08E-03	8.27E-03	7.80E-03	2.27E-03	2.27E-03	4.54E-03	2.22E-03	2.22E-03	4.43E-03	2.19E-03	2.19E-03	4.37E-03
2807 490710.04, 3859560.04	0.05192	0.05186	7.89E-03	8.21E-03	7.43E-03	7.61E-03	7.18E-03	2.09E-03	2.09E-03	4.18E-03	2.04E-03	2.04E-03	4.08E-03	2.01E-03	2.01E-03	4.02E-03
2808 490760.04, 3859560.04	0.04771	0.0476	7.25E-03	7.54E-03	6.83E-03	7.00E-03	6.60E-03	1.92E-03	1.92E-03	3.84E-03	1.87E-03	1.87E-03	3.74E-03	1.85E-03	1.84E-03	3.69E-03
2809 490810.04, 3859560.04	0.04433	0.04419	6.74E-03	7.00E-03	6.35E-03	6.50E-03	6.13E-03	1.78E-03	1.78E-03	3.56E-03	1.74E-03	1.74E-03	3.48E-03	1.72E-03	1.71E-03	3.43E-03
2810 490860.04, 3859560.04	0.04129	0.04112	6.27E-03	6.51E-03	5.91E-03	6.05E-03	5.71E-03	1.66E-03	1.65E-03	3.32E-03	1.62E-03	1.61E-03	3.24E-03	1.60E-03	1.59E-03	3.19E-03
2811 490187.25, 3859422.08	0.07532	0.07518	1.14E-02	1.19E-02	1.08E-02	1.10E-02	1.04E-02	3.03E-03	3.03E-03	6.06E-03	2.96E-03	2.95E-03	5.91E-03	2.92E-03	2.91E-03	5.83E-03
2812 490237.25, 3859422.08	0.06818	0.06788	1.04E-02	1.07E-02	9.76E-03	1.00E-02	9.43E-03	2.74E-03	2.73E-03	5.48E-03	2.68E-03	2.67E-03	5.34E-03	2.64E-03	2.63E-03	5.27E-03
2813 490287.25, 3859422.08	0.0622	0.06179	9.45E-03	9.78E-03	8.90E-03	9.12E-03	8.60E-03	2.50E-03	2.49E-03	4.99E-03	2.44E-03	2.43E-03	4.87E-03	2.41E-03	2.39E-03	4.80E-03
2814 490337.25, 3859422.08	0.05693	0.05643	8.65E-03	8.93E-03	8.15E-03	8.35E-03	7.87E-03	2.29E-03	2.27E-03	4.56E-03	2.24E-03	2.22E-03	4.45E-03	2.21E-03	2.19E-03	4.39E-03
2815 490187.25, 3859472.08	0.09473	0.09485	1.44E-02	1.50E-02	1.36E-02	1.39E-02	1.31E-02	3.81E-03	3.82E-03	7.63E-03	3.72E-03	3.72E-03	7.44E-03	3.67E-03	3.68E-03	7.35E-03
2816 490237.25, 3859472.08	0.08451	0.08442	1.28E-02	1.34E-02	1.21E-02	1.24E-02	1.17E-02	3.40E-03	3.40E-03	6.80E-03	3.32E-03	3.32E-03	6.63E-03	3.27E-03	3.27E-03	6.55E-03
2817 490287.25, 3859472.08	0.0759	0.07572	1.15E-02	1.20E-02	1.09E-02	1.11E-02	1.05E-02	3.05E-03	3.05E-03	6.10E-03	2.98E-03	2.97E-03	5.95E-03	2.94E-03	2.93E-03	5.88E-03
2818 490337.25, 3859472.08	0.06903	0.06878	1.05E-02	1.09E-02	9.88E-03	1.01E-02	9.55E-03	2.78E-03	2.77E-03	5.55E-03	2.71E-03	2.70E-03	5.41E-03	2.67E-03	2.67E-03	5.34E-03
2819 490297.07, 3859500.42	0.08542	0.08528	1.30E-02	1.35E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	3.43E-03	6.87E-03	3.35E-03	3.35E-03	6.70E-03	3.31E-03	3.30E-03	6.61E-03
2820 490327.07, 3859500.42	0.08049	0.08032	1.22E-02	1.27E-02	1.15E-02	1.18E-02	1.11E-02	3.24E-03	3.23E-03	6.47E-03	3.16E-03	3.15E-03	6.31E-03	3.12E-03	3.11E-03	6.23E-03
2821 490297.07, 3859530.42	0.10157	0.10157	1.54E-02	1.61E-02	1.45E-02	1.49E-02	1.40E-02	4.09E-03	4.09E-03	8.17E-03	3.99E-03	3.99E-03	7.98E-03	3.94E-03	3.94E-03	7.87E-03
2822 490327.07, 3859530.42	0.0945	0.09449	1.44E-02	1.50E-02	1.35E-02	1.39E-02	1.31E-02	3.80E-03	3.80E-03	7.61E-03	3.71E-03	3.71E-03	7.42E-03	3.66E-03	3.66E-03	7.32E-03
2823 490319.73, 3859055.34	0.02756	0.02638	4.19E-03	4.18E-03	3.95E-03	4.04E-03	3.81E-03	1.11E-03	1.06E-03	2.17E-03	1.08E-03	1.04E-03	2.12E-03	1.07E-03	1.02E-03	2.09E-03
2824 490319.73, 3859105.34	0.02934	0.02819	4.46E-03	4.46E-03	4.20E-03	4.30E-03	4.06E-03	1.18E-03	1.13E-03	2.32E-03	1.15E-03	1.11E-03	2.26E-03	1.14E-03	1.09E-03	2.23E-03
2825 490069.73, 3859155.34	0.04161	0.04033	6.32E-03	6.39E-03	5.96E-03	6.10E-03	5.75E-03	1.67E-03	1.62E-03	3.30E-03	1.63E-03	1.58E-03	3.22E-03	1.61E-03	1.56E-03	3.18E-03
2826 490119.73, 3859155.34	0.03928	0.03803	5.97E-03	6.02E-03	5.62E-03	5.76E-03	5.43E-03	1.58E-03	1.53E-03	3.11E-03	1.54E-03	1.49E-03	3.04E-03	1.52E-03	1.47E-03	3.00E-03
2827 490269.73, 3859155.34	0.0336	0.03246	5.11E-03	5.14E-03	4.81E-03	4.93E-03	4.65E-03	1.35E-03	1.31E-03	2.66E-03	1.32E-03	1.27E-03	2.59E-03	1.30E-03	1.26E-03	2.56E-03
2828 490319.73, 3859155.34	0.03165	0.03055	4.81E-03	4.84E-03	4.53E-03	4.64E-03	4.38E-03	1.27E-03	1.23E-03	2.50E-03	1.24E-03	1.20E-03	2.44E-03	1.23E-03	1.18E-03	2.41E-03
2829 490069.73, 3859205.34	0.04678	0.04564	7.11E-03	7.23E-03	6.70E-03	6.86E-03	6.47E-03	1.88E-03	1.84E-03	3.72E-03	1.84E-03	1.79E-03	3.63E-03	1.81E-03	1.77E-03	3.58E-03
2830 490119.73, 3859205.34	0.04414	0.043	6.71E-03	6.81E-03	6.32E-03	6.47E-03	6.10E-03	1.78E-03	1.73E-03	3.51E-03	1.73E-03	1.69E-03	3.42E-03	1.71E-03	1.67E-03	3.38E-03
2831 490169.73, 3859205.34	0.04155	0.04043	6.31E-03	6.40E-03	5.95E-03	6.09E-03	5.75E-03	1.67E-03	1.63E-03	3.30E-03	1.63E-03	1.59E-03	3.22E-03	1.61E-03	1.57E-03	3.18E-03
2832 490219.73, 3859205.34	0.03888	0.03778	5.91E-03	5.98E-03	5.57E-03	5.70E-03	5.38E-03	1.56E-03	1.52E-03	3.09E-03	1.53E-03	1.48E-03	3.01E-03	1.51E-03	1.46E-03	2.97E-03
2833 490269.73, 3859205.34	0.03629	0.03523	5.51E-03	5.58E-03	5.20E-03	5.32E-03	5.02E-03	1.46E-03	1.42E-03	2.88E-03	1.43E-03	1.38E-03	2.81E-03	1.41E-03	1.37E-03	2.77E-03
2834 490319.73, 3859205.34	0.03426	0.03323	5.21E-03	5.26E-03	4.90E-03	5.02E-03	4.74E-03	1.38E-03	1.34E-03	2.72E-03	1.35E-03	1.30E-03	2.65E-03	1.33E-03	1.29E-03	2.62E-03

2835 490069.73, 3859255.34	0.05304	0.0521	8.06E-03	8.25E-03	7.59E-03	7.78E-03	7.34E-03	2.13E-03	2.10E-03	4.23E-03	2.08E-03	2.05E-03	4.13E-03	2.06E-03	2.02E-03	4.07E-03
2836 490119.73, 3859255.34	0.04957	0.04861	7.53E-03	7.70E-03	7.10E-03	7.27E-03	6.86E-03	1.99E-03	1.96E-03	3.95E-03	1.95E-03	1.91E-03	3.86E-03	1.92E-03	1.88E-03	3.80E-03
2837 490169.73, 3859255.34	0.04637	0.0454	7.05E-03	7.19E-03	6.64E-03	6.80E-03	6.41E-03	1.87E-03	1.83E-03	3.69E-03	1.82E-03	1.78E-03	3.60E-03	1.80E-03	1.76E-03	3.56E-03
2838 490219.73, 3859255.34	0.04316	0.04218	6.56E-03	6.68E-03	6.18E-03	6.33E-03	5.97E-03	1.74E-03	1.70E-03	3.43E-03	1.69E-03	1.66E-03	3.35E-03	1.67E-03	1.63E-03	3.31E-03
2839 490269.73, 3859255.34	0.04021	0.03925	6.11E-03	6.21E-03	5.76E-03	5.90E-03	5.56E-03	1.62E-03	1.58E-03	3.20E-03	1.58E-03	1.54E-03	3.12E-03	1.56E-03	1.52E-03	3.08E-03
2840 490319.73, 3859255.34	0.03774	0.0368	5.73E-03	5.83E-03	5.40E-03	5.53E-03	5.22E-03	1.52E-03	1.48E-03	3.00E-03	1.48E-03	1.45E-03	2.93E-03	1.46E-03	1.43E-03	2.89E-03
2841 490069.73, 3859305.34	0.06139	0.06076	9.33E-03	9.62E-03	8.79E-03	9.00E-03	8.49E-03	2.47E-03	2.45E-03	4.92E-03	2.41E-03	2.39E-03	4.80E-03	2.38E-03	2.35E-03	4.73E-03
2842 490119.73, 3859305.34	0.0568	0.05609	8.63E-03	8.88E-03	8.13E-03	8.33E-03	7.86E-03	2.29E-03	2.26E-03	4.54E-03	2.23E-03	2.20E-03	4.43E-03	2.20E-03	2.17E-03	4.37E-03
2843 490169.73, 3859305.34	0.05263	0.05185	8.00E-03	8.21E-03	7.53E-03	7.72E-03	7.28E-03	2.12E-03	2.09E-03	4.20E-03	2.07E-03	2.04E-03	4.10E-03	2.04E-03	2.01E-03	4.05E-03
2844 490219.73, 3859305.34	0.04877	0.04796	7.41E-03	7.59E-03	6.98E-03	7.15E-03	6.75E-03	1.96E-03	1.93E-03	3.89E-03	1.92E-03	1.88E-03	3.80E-03	1.89E-03	1.86E-03	3.75E-03
2845 490269.73, 3859305.34	0.04525	0.04442	6.88E-03	7.03E-03	6.48E-03	6.63E-03	6.26E-03	1.82E-03	1.79E-03	3.61E-03	1.78E-03	1.74E-03	3.52E-03	1.75E-03	1.72E-03	3.47E-03
2846 490319.73, 3859305.34	0.04199	0.04116	6.38E-03	6.52E-03	6.01E-03	6.16E-03	5.81E-03	1.69E-03	1.66E-03	3.35E-03	1.65E-03	1.62E-03	3.27E-03	1.63E-03	1.59E-03	3.22E-03
2847 490069.73, 3859355.34	0.07341	0.07316	1.12E-02	1.16E-02	1.05E-02	1.08E-02	1.02E-02	2.95E-03	2.94E-03	5.90E-03	2.88E-03	2.87E-03	5.76E-03	2.84E-03	2.83E-03	5.68E-03
2848 490119.73, 3859355.34	0.06689	0.0665	1.02E-02	1.05E-02	9.58E-03	9.81E-03	9.25E-03	2.69E-03	2.68E-03	5.37E-03	2.63E-03	2.61E-03	5.24E-03	2.59E-03	2.58E-03	5.17E-03
2849 490169.73, 3859355.34	0.06121	0.0607	9.30E-03	9.61E-03	8.76E-03	8.98E-03	8.47E-03	2.46E-03	2.44E-03	4.91E-03	2.40E-03	2.38E-03	4.79E-03	2.37E-03	2.35E-03	4.72E-03
2850 490219.73, 3859355.34	0.05609	0.05548	8.52E-03	8.78E-03	8.03E-03	8.22E-03	7.76E-03	2.26E-03	2.23E-03	4.49E-03	2.20E-03	2.18E-03	4.38E-03	2.17E-03	2.15E-03	4.32E-03
2851 490269.73, 3859355.34	0.0518	0.05114	7.87E-03	8.10E-03	7.42E-03	7.60E-03	7.16E-03	2.08E-03	2.06E-03	4.14E-03	2.03E-03	2.01E-03	4.04E-03	2.01E-03	1.98E-03	3.99E-03
2852 490319.73, 3859355.34	0.04781	0.04711	7.26E-03	7.46E-03	6.84E-03	7.01E-03	6.61E-03	1.92E-03	1.90E-03	3.82E-03	1.88E-03	1.85E-03	3.73E-03	1.85E-03	1.83E-03	3.68E-03
2853 490069.73, 3859405.34	0.09105	0.09128	1.38E-02	1.45E-02	1.30E-02	1.34E-02	1.26E-02	3.66E-03	3.67E-03	7.34E-03	3.58E-03	3.58E-03	7.16E-03	3.53E-03	3.54E-03	7.07E-03
2854 490119.73, 3859405.34	0.08113	0.08111	1.23E-02	1.28E-02	1.16E-02	1.19E-02	1.12E-02	3.26E-03	3.26E-03	6.53E-03	3.19E-03	3.19E-03	6.37E-03	3.14E-03	3.14E-03	6.29E-03
2855 490169.73, 3859405.34	0.07302	0.07283	1.11E-02	1.15E-02	1.05E-02	1.07E-02	1.01E-02	2.94E-03	2.93E-03	5.87E-03	2.87E-03	2.86E-03	5.73E-03	2.83E-03	2.82E-03	5.65E-03
2856 490219.73, 3859405.34	0.06629	0.06595	1.01E-02	1.04E-02	9.49E-03	9.72E-03	9.17E-03	2.67E-03	2.65E-03	5.32E-03	2.60E-03	2.59E-03	5.19E-03	2.57E-03	2.56E-03	5.12E-03
2857 490269.73, 3859405.34	0.06037	0.05992	9.17E-03	9.49E-03	8.64E-03	8.85E-03	8.35E-03	2.43E-03	2.41E-03	4.84E-03	2.37E-03	2.35E-03	4.72E-03	2.34E-03	2.32E-03	4.66E-03
2858 490319.73, 3859405.34	0.05532	0.05481	8.41E-03	8.68E-03	7.92E-03	8.11E-03	7.65E-03	2.23E-03	2.21E-03	4.43E-03	2.17E-03	2.15E-03	4.32E-03	2.14E-03	2.12E-03	4.27E-03
2859 490161.89, 3859541.83	0.16558	0.16566	2.52E-02	2.62E-02	2.37E-02	2.43E-02	2.29E-02	6.66E-03	6.67E-03	1.33E-02	6.50E-03	6.51E-03	1.30E-02	6.42E-03	6.42E-03	1.28E-02
2860 490171.89, 3859541.83	0.15976	0.15982	2.43E-02	2.53E-02	2.29E-02	2.34E-02	2.21E-02	6.43E-03	6.43E-03	1.29E-02	6.27E-03	6.28E-03	1.25E-02	6.19E-03	6.19E-03	1.24E-02
2861 490161.89, 3859551.83	0.18291	0.18288	2.78E-02	2.90E-02	2.62E-02	2.68E-02	2.53E-02	7.36E-03	7.36E-03	1.47E-02	7.18E-03	7.18E-03	1.44E-02	7.09E-03	7.09E-03	1.42E-02
2862 490171.89, 3859551.83	0.17593	0.17594	2.67E-02	2.79E-02	2.52E-02	2.58E-02	2.43E-02	7.08E-03	7.08E-03	1.42E-02	6.91E-03	6.91E-03	1.38E-02	6.82E-03	6.82E-03	1.36E-02
2863 489799.72, 3859348.21	0.15536	0.15819	2.36E-02	2.50E-02	2.22E-02	2.28E-02	2.15E-02	6.25E-03	6.37E-03	1.26E-02	6.10E-03	6.21E-03	1.23E-02	6.02E-03	6.13E-03	1.21E-02
2864 489819.72, 3859348.21	0.14291	0.14513	2.17E-02	2.30E-02	2.05E-02	2.10E-02	1.98E-02	5.75E-03	5.84E-03	1.16E-02	5.61E-03	5.70E-03	1.13E-02	5.54E-03	5.62E-03	1.12E-02
2865 489799.72, 3859368.21	0.18467	0.189	2.81E-02	2.99E-02	2.64E-02	2.71E-02	2.55E-02	7.43E-03	7.61E-03	1.50E-02	7.25E-03	7.42E-03	1.47E-02	7.16E-03	7.32E-03	1.45E-02
2866 489819.72, 3859368.21	0.16742	0.17084	2.54E-02	2.70E-02	2.40E-02	2.45E-02	2.32E-02	6.74E-03	6.88E-03	1.36E-02	6.57E-03	6.71E-03	1.33E-02	6.49E-03	6.62E-03	1.31E-02
2867 489775.41, 3859329.72	0.14938	0.15185	2.27E-02	2.40E-02	2.14E-02	2.19E-02	2.07E-02	6.01E-03	6.11E-03	1.21E-02	5.87E-03	5.96E-03	1.18E-02	5.79E-03	5.88E-03	1.17E-02
2868 489795.41, 3859329.72	0.13776	0.13969	2.09E-02	2.21E-02	1.97E-02	2.02E-02	1.91E-02	5.54E-03	5.62E-03	1.12E-02	5.41E-03	5.49E-03	1.09E-02	5.34E-03	5.41E-03	1.08E-02
2869 489775.41, 3859349.72	0.17619	0.1801	2.68E-02	2.85E-02	2.52E-02	2.58E-02	2.44E-02	7.09E-03	7.25E-03	1.43E-02	6.92E-03	7.07E-03	1.40E-02	6.83E-03	6.98E-03	1.38E-02
2870 489795.41, 3859349.72	0.1603	0.16337	2.44E-02	2.59E-02	2.29E-02	2.35E-02	2.22E-02	6.45E-03	6.57E-03	1.30E-02	6.29E-03	6.42E-03	1.27E-02	6.21E-03	6.33E-03	1.25E-02
2871 489595.05, 3859219.43	0.13745	0.13934	2.09E-02	2.21E-02	1.97E-02	2.02E-02	1.90E-02	5.53E-03	5.61E-03	1.11E-02	5.40E-03	5.47E-03	1.09E-02	5.33E-03	5.40E-03	1.07E-02
2872 489615.05, 3859219.43	0.12728	0.12857	1.93E-02	2.04E-02	1.82E-02	1.87E-02	1.76E-02	5.12E-03	5.17E-03	1.03E-02	5.00E-03	5.05E-03	1.00E-02	4.93E-03	4.98E-03	9.91E-03
2873 489595.05, 3859239.43	0.1602	0.16299	2.43E-02	2.58E-02	2.29E-02	2.35E-02	2.22E-02	6.45E-03	6.56E-03	1.30E-02	6.29E-03	6.40E-03	1.27E-02	6.21E-03	6.32E-03	1.25E-02
2874 489615.05, 3859239.43	0.1467	0.14876	2.23E-02	2.36E-02	2.10E-02	2.15E-02	2.03E-02	5.90E-03	5.99E-03	1.19E-02	5.76E-03	5.84E-03	1.16E-02	5.68E-03	5.76E-03	1.14E-02
2875 489372.4, 3859092.58	0.13343	0.13949	2.03E-02	2.21E-02	1.91E-02	1.96E-02	1.85E-02	5.37E-03	5.61E-03	1.10E-02	5.24E-03	5.48E-03	1.07E-02	5.17E-03	5.41E-03	1.06E-02
2876 489422.4, 3859092.58	0.11205	0.11503	1.70E-02	1.82E-02	1.60E-02	1.64E-02	1.55E-02	4.51E-03	4.63E-03	9.14E-03	4.40E-03	4.52E-03	8.92E-03	4.34E-03	4.46E-03	8.80E-03
2877 489372.4, 3859142.58	0.20184	0.21796	3.07E-02	3.45E-02	2.89E-02	2.96E-02	2.79E-02	8.12E-03	8.77E-03	1.69E-02	7.93E-03	8.56E-03	1.65E-02	7.82E-03	8.45E-03	1.63E-02
2878 489422.4, 3859142.58	0.15784	0.1657	2.40E-02	2.62E-02	2.26E-02	2.31E-02	2.18E-02	6.35E-03	6.67E-03	1.30E-02	6.20E-03	6.51E-03	1.27E-02	6.12E-03	6.42E-03	1.25E-02
2879 488870.84, 3858666.64	0.0654	0.085	9.94E-03	1.35E-02	9.36E-03	9.59E-03	9.05E-03	2.63E-03	3.42E-03	6.05E-03	2.57E-03	3.34E-03	5.91E-03	2.53E-03	3.29E-03	5.83E-03
2880 488900.84, 3858666.64	0.06196	0.0777	9.41E-03	1.23E-02	8.87E-03	9.09E-03	8.57E-03	2.49E-03	3.13E-03	5.62E-03	2.43E-03	3.05E-03	5.48E-03	2.40E-03	3.01E-03	5.41E-03
2881 488870.84, 3858696.64	0.07281	0.0966	1.11E-02	1.53E-02	1.04E-02	1.07E-02	1.01E-02	2.93E-03	3.89E-03	6.82E-03	2.86E-03	3.79E-03	6.65E-03	2.82E-03	3.74E-03	6.56E-03
2882 488900.84, 3858696.64	0.06855	0.08743	1.04E-02	1.38E-02	9.81E-03	1.01E-02	9.48E-03	2.76E-03	3.52E-03	6.28E-03	2.69E-03	3.43E-03	6.13E-03	2.66E-03	3.39E-03	6.04E-03
2883 488889.67, 3858683.97	0.06697	0.08584	1.02E-02	1.36E-02	9.59E-03	9.82E-03	9.26E-03	2.70E-03	3.45E-03	6.15E-03	2.63E-03	3.37E-03	6.00E-03	2.59E-03	3.33E-03	5.92E-03
2884 488919.67, 3858683.97	0.0634	0.07857	9.63E-03	1.24E-02	9.08E-03	9.30E-03	8.77E-03	2.55E-03	3.16E-03	5.71E-03	2.49E-03	3.09E-03	5.58E-03	2.46E-03	3.04E-03	5.50E-03
2885 488889.67, 3858713.97	0.07478	0.09821	1.14E-02	1.55E-02	1.07E-02	1.10E-02	1.03E-02	3.01E-03	3.95E-03	6.96E-03	2.94E-03	3.86E-03	6.79E-03	2.90E-03	3.81E-03	6.70E-03
2886 488919.67, 3858713.97	0.07029	0.08887	1.07E-02	1.41E-02	1.01E-02	1.03E-02	9.72E-03	2.83E-03	3.58E-03	6.41E-03	2.76E-03	3.49E-03	6.25E-03	2.72E-03	3.44E-03	6.17E-03
2887 488906.61, 3858703.33	0.06942	0.08838	1.05E-02	1.40E-02	9.94E-03	1.02E-02	9.60E-03	2.79E-03	3.56E-03	6.35E-03	2.73E-03	3.47E-03	6.20E-03	2.69E-03	3.42E-03	6.11E-03
2888 488936.61, 3858703.33	0.06552	0.08069	9.96E-03	1.28E-02	9.38E-03	9.61E-03	9.06E-03	2.64E-03	3.25E-03	5.88E-03	2.57E-03	3.17E-03	5.74E-03	2.54E-03	3.13E-03	5.67E-03
2889 488906.61, 3858733.33	0.0777	0.10182	1.18E-02	1.61E-02	1.11E-02	1.14E-02	1.07E-02	3.13E-03	4.10E-03	7.22E-03	3.05E-03	4.00E-03	7.05E-03	3.01E-03	3.95E-03	6.96E-03
2890 488936.61, 3858733.33	0.0729	0.09195	1.11E-02	1.46E-02	1.04E-02	1.07E-02	1.01E-02	2.93E-03	3.70E-03	6.63E-03	2.86E-03	3.61E-03	6.47E-03	2.82E-03	3.56E-03	6.39E-03
2891 488637.63, 3858467.85	0.05289	0.08875	8.04E-03	1.41E-02	7.57E-03	7.76E-03	7.32E-03	2.13E-03	3.57E-03	5.70E-03	2.08E-03	3.49E-03	5.56E-03	2.05E-03	3.44E-03	5.49E-03
2892 488662.63, 3858467.85	0.05106	0.08162	7.76E-03	1.29E-02	7.31E-03	7.49E-03	7.06E-03	2.05E-03	3.28E-03	5.34E-03	2.01E-03	3.21E-03	5.21E-03	1.98E-03	3.16E-03	5.14E-03
2893 488637.63, 3858492.85	0.05675	0.09816	8.62E-03	1.55E-02	8.12E-03	8.32E-03	7.85E-03	2.28E-03	3.95E-03	6.23E-03	2.23E-03	3.85E-03	6.08E-03	2.20E-03	3.80E-03	6.00E-03
2894 488662.63, 3858492.85	0.05461	0.08944	8.30E-03	1.42E-02	7.82E-03	8.01E-03	7.55E-03	2.20E-03	3.60E-03	5.80E-03	2.14E-03	3.51E-03	5.66E-03	2.12E-03	3.47E-03	5.58E-03
2895 488687.63, 3858492.85	0.05259	0.08211	7.99E-03	1.30E-02	7.53E-03	7.71E-03	7.27E-03	2.12E-03	3.30E-03	5.42E-03	2.07E-03	3.22E-03	5.29E-03	2.04E-03	3.18E-03	5.22E-03
2896 488637.63, 3858517.85	0.06127	0.10993	9.31E-03	1.74E-02	8.77E-03	8.98E-03	8.47E-03	2.47E-03	4.42E-03	6.89E-03	2.41E-03	4.32E-03	6.72E-03	2.37E-03	4.26E-03	6.63E-03
2897 488662.63, 3858517.85	0.05874	0.09902	8.93E-03	1.57E-02	8.41E-03	8.61E-03	8.12E-03	2.36E-03	3.98E-03	6.35E-03	2.31E-03	3.89E-03	6.20E-03	2.28E-03	3.84E-03	6.11E-03
2898 488687.63, 3858517.85	0.05643	0.09016	8.57E-03	1.43E-02	8.08E-03	8.27E-03	7.80E-03	2.27E-03	3.63E-03	5.90E-03	2.22E-03	3.54E-03	5.76E-03	2.19E-03	3.49E-03	5.68E-03
2899 488194.42, 3857168.98	0.01386	0.02165	2.11E-03	3.43E-03	1.98E-03	2.03E-03	1.92E-03	5.58E-04	8.71E-04	1.43E-03	5.44E-04	8.50E-04	1.39E-03	5.37E-04	8.39E-04	1.38E-03
2900 488244.42, 3857168.98	0.01377	0.02089	2.09E-03	3.31E-03	1.97E-03	2.02E-03	1.90E-03	5.54E-04	8.41E-04	1.39E-03	5.41E-04	8.20E-04	1.36E-03	5.34E-04	8.09E-04	1.34E-03

2901 488294.42, 3857168.98	0.01363	0.02019	2.07E-03	3.20E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	8.13E-04	1.36E-03	5.35E-04	7.93E-04	1.33E-03	5.28E-04	7.82E-04	1.31E-03
2902 488244.42, 3857218.98	0.01413	0.02169	2.15E-03	3.43E-03	2.02E-03	2.07E-03	1.95E-03	5.69E-04	8.73E-04	1.44E-03	5.55E-04	8.52E-04	1.41E-03	5.48E-04	8.40E-04	1.39E-03
2903 488294.42, 3857218.98	0.014	0.02093	2.13E-03	3.31E-03	2.00E-03	2.05E-03	1.94E-03	5.63E-04	8.42E-04	1.41E-03	5.50E-04	8.22E-04	1.37E-03	5.42E-04	8.11E-04	1.35E-03
2904 488294.42, 3857268.98	0.01443	0.02172	2.19E-03	3.44E-03	2.07E-03	2.12E-03	2.00E-03	5.81E-04	8.74E-04	1.45E-03	5.67E-04	8.53E-04	1.42E-03	5.59E-04	8.42E-04	1.40E-03
2905 488139.13, 3857111.68	0.0136	0.02158	2.07E-03	3.42E-03	1.95E-03	1.99E-03	1.88E-03	5.47E-04	8.68E-04	1.42E-03	5.34E-04	8.47E-04	1.38E-03	5.27E-04	8.36E-04	1.36E-03
2906 488189.13, 3857111.68	0.01352	0.02081	2.05E-03	3.29E-03	1.94E-03	1.98E-03	1.87E-03	5.44E-04	8.37E-04	1.38E-03	5.31E-04	8.17E-04	1.35E-03	5.24E-04	8.06E-04	1.33E-03
2907 488189.13, 3857161.68	0.01383	0.02161	2.10E-03	3.42E-03	1.98E-03	2.03E-03	1.91E-03	5.57E-04	8.70E-04	1.43E-03	5.43E-04	8.49E-04	1.39E-03	5.36E-04	8.37E-04	1.37E-03
2908 487951.04, 3856961.26	0.01315	0.02204	2.00E-03	3.49E-03	1.88E-03	1.93E-03	1.82E-03	5.29E-04	8.87E-04	1.42E-03	5.16E-04	8.66E-04	1.38E-03	5.10E-04	8.54E-04	1.36E-03
2909 488001.04, 3856961.26	0.01302	0.02126	1.98E-03	3.37E-03	1.86E-03	1.91E-03	1.80E-03	5.24E-04	8.56E-04	1.38E-03	5.11E-04	8.35E-04	1.35E-03	5.05E-04	8.24E-04	1.33E-03
2910 488051.04, 3856961.26	0.01284	0.02055	1.95E-03	3.25E-03	1.84E-03	1.88E-03	1.78E-03	5.17E-04	8.27E-04	1.34E-03	5.04E-04	8.07E-04	1.31E-03	4.98E-04	7.96E-04	1.29E-03
2911 488101.04, 3856961.26	0.01279	0.01986	1.94E-03	3.14E-03	1.83E-03	1.88E-03	1.77E-03	5.15E-04	7.99E-04	1.31E-03	5.02E-04	7.80E-04	1.28E-03	4.96E-04	7.70E-04	1.27E-03
2912 487951.04, 3857011.26	0.01353	0.02294	2.06E-03	3.63E-03	1.94E-03	1.98E-03	1.87E-03	5.44E-04	9.23E-04	1.47E-03	5.31E-04	9.01E-04	1.43E-03	5.24E-04	8.89E-04	1.41E-03
2913 488001.04, 3857011.26	0.01332	0.02209	2.02E-03	3.50E-03	1.91E-03	1.95E-03	1.84E-03	5.36E-04	8.89E-04	1.43E-03	5.23E-04	8.67E-04	1.39E-03	5.16E-04	8.56E-04	1.37E-03
2914 488051.04, 3857011.26	0.01314	0.02131	2.00E-03	3.37E-03	1.88E-03	1.93E-03	1.82E-03	5.29E-04	8.58E-04	1.39E-03	5.16E-04	8.37E-04	1.35E-03	5.09E-04	8.26E-04	1.33E-03
2915 488101.04, 3857011.26	0.01308	0.02057	1.99E-03	3.26E-03	1.87E-03	1.92E-03	1.81E-03	5.26E-04	8.28E-04	1.35E-03	5.14E-04	8.08E-04	1.32E-03	5.07E-04	7.97E-04	1.30E-03
2916 488001.04, 3857061.26	0.01368	0.02299	2.08E-03	3.64E-03	1.96E-03	2.01E-03	1.89E-03	5.51E-04	9.25E-04	1.48E-03	5.37E-04	9.03E-04	1.44E-03	5.30E-04	8.91E-04	1.42E-03
2917 488051.04, 3857061.26	0.01353	0.02213	2.06E-03	3.50E-03	1.94E-03	1.98E-03	1.87E-03	5.44E-04	8.91E-04	1.44E-03	5.31E-04	8.69E-04	1.40E-03	5.24E-04	8.58E-04	1.38E-03
2918 488101.04, 3857061.26	0.01341	0.02134	2.04E-03	3.38E-03	1.92E-03	1.97E-03	1.85E-03	5.40E-04	8.59E-04	1.40E-03	5.27E-04	8.38E-04	1.36E-03	5.20E-04	8.27E-04	1.35E-03
2919 487638.98, 3856673.79	0.01217	0.02224	1.85E-03	3.52E-03	1.74E-03	1.78E-03	1.68E-03	4.90E-04	8.95E-04	1.38E-03	4.78E-04	8.73E-04	1.35E-03	4.72E-04	8.62E-04	1.33E-03
2920 487688.98, 3856673.79	0.01204	0.02144	1.83E-03	3.39E-03	1.72E-03	1.77E-03	1.67E-03	4.85E-04	8.63E-04	1.35E-03	4.73E-04	8.42E-04	1.31E-03	4.67E-04	8.31E-04	1.30E-03
2921 487638.98, 3856723.79	0.01249	0.02315	1.90E-03	3.67E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	9.32E-04	1.43E-03	4.90E-04	9.09E-04	1.40E-03	4.84E-04	8.97E-04	1.38E-03
2922 487688.98, 3856723.79	0.01235	0.02227	1.88E-03	3.53E-03	1.77E-03	1.81E-03	1.71E-03	4.97E-04	8.96E-04	1.39E-03	4.85E-04	8.75E-04	1.36E-03	4.79E-04	8.63E-04	1.34E-03
2923 486324.61, 3855740.57	0.01081	0.02758	1.64E-03	4.37E-03	1.55E-03	1.59E-03	1.50E-03	4.35E-04	1.11E-03	1.54E-03	4.25E-04	1.08E-03	1.51E-03	4.19E-04	1.07E-03	1.49E-03
2924 486374.61, 3855740.57	0.01047	0.02577	1.59E-03	4.08E-03	1.50E-03	1.54E-03	1.45E-03	4.21E-04	1.04E-03	1.46E-03	4.11E-04	1.01E-03	1.42E-03	4.06E-04	9.99E-04	1.40E-03
2925 486424.61, 3855740.57	0.01027	0.02451	1.56E-03	3.88E-03	1.47E-03	1.51E-03	1.42E-03	4.13E-04	9.86E-04	1.40E-03	4.03E-04	9.63E-04	1.37E-03	3.98E-04	9.50E-04	1.35E-03
2926 486324.61, 3855790.57	0.01106	0.02908	1.68E-03	4.60E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	1.17E-03	1.62E-03	4.34E-04	1.14E-03	1.58E-03	4.29E-04	1.13E-03	1.56E-03
2927 486374.61, 3855790.57	0.01073	0.02713	1.63E-03	4.30E-03	1.54E-03	1.57E-03	1.48E-03	4.32E-04	1.09E-03	1.52E-03	4.21E-04	1.07E-03	1.49E-03	4.16E-04	1.05E-03	1.47E-03
2928 486424.61, 3855790.57	0.01057	0.02588	1.61E-03	4.10E-03	1.51E-03	1.55E-03	1.46E-03	4.25E-04	1.04E-03	1.47E-03	4.15E-04	1.02E-03	1.43E-03	4.10E-04	1.00E-03	1.41E-03
2929 486324.61, 3855840.57	0.01132	0.0308	1.72E-03	4.88E-03	1.62E-03	1.66E-03	1.57E-03	4.56E-04	1.24E-03	1.70E-03	4.45E-04	1.21E-03	1.65E-03	4.39E-04	1.19E-03	1.63E-03
2930 486374.61, 3855840.57	0.01111	0.0291	1.69E-03	4.61E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	1.17E-03	1.62E-03	4.36E-04	1.14E-03	1.58E-03	4.30E-04	1.13E-03	1.56E-03
2931 486424.61, 3855840.57	0.01088	0.02747	1.65E-03	4.35E-03	1.56E-03	1.60E-03	1.50E-03	4.38E-04	1.11E-03	1.54E-03	4.27E-04	1.08E-03	1.51E-03	4.22E-04	1.06E-03	1.49E-03
2932 486324.61, 3855890.57	0.01173	0.03335	1.78E-03	5.28E-03	1.68E-03	1.72E-03	1.62E-03	4.72E-04	1.34E-03	1.81E-03	4.61E-04	1.31E-03	1.77E-03	4.55E-04	1.29E-03	1.75E-03
2933 486374.61, 3855890.57	0.01149	0.03127	1.75E-03	4.95E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	1.26E-03	1.72E-03	4.51E-04	1.23E-03	1.68E-03	4.45E-04	1.21E-03	1.66E-03
2934 486424.61, 3855890.57	0.01122	0.02935	1.70E-03	4.65E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	1.18E-03	1.63E-03	4.41E-04	1.15E-03	1.59E-03	4.35E-04	1.14E-03	1.57E-03
2935 488735.69, 3858285.64	0.0327	0.04398	4.97E-03	6.96E-03	4.68E-03	4.79E-03	4.52E-03	1.32E-03	1.77E-03	3.09E-03	1.28E-03	1.73E-03	3.01E-03	1.27E-03	1.70E-03	2.97E-03
2936 488765.69, 3858285.64	0.0319	0.04193	4.85E-03	6.64E-03	4.57E-03	4.68E-03	4.41E-03	1.28E-03	1.69E-03	2.97E-03	1.25E-03	1.65E-03	2.90E-03	1.24E-03	1.62E-03	2.86E-03
2937 488735.69, 3858315.64	0.03432	0.04648	5.21E-03	7.36E-03	4.91E-03	5.03E-03	4.75E-03	1.38E-03	1.87E-03	3.25E-03	1.35E-03	1.83E-03	3.17E-03	1.33E-03	1.80E-03	3.13E-03
2938 488765.69, 3858315.64	0.03342	0.04417	5.08E-03	6.99E-03	4.78E-03	4.90E-03	4.62E-03	1.34E-03	1.78E-03	3.12E-03	1.31E-03	1.73E-03	3.05E-03	1.29E-03	1.71E-03	3.01E-03
2939 478676.63, 3849871.93	0.03901	0.0392	5.93E-03	6.21E-03	5.58E-03	5.72E-03	5.40E-03	1.57E-03	1.58E-03	3.15E-03	1.53E-03	1.54E-03	3.07E-03	1.51E-03	1.52E-03	3.03E-03
2940 479326.63, 3849871.93	0.02336	0.02345	3.55E-03	3.71E-03	3.34E-03	3.43E-03	3.23E-03	9.40E-04	9.44E-04	1.88E-03	9.17E-04	9.21E-04	1.84E-03	9.05E-04	9.09E-04	1.81E-03
2941 479376.63, 3849871.93	0.02265	0.02275	3.44E-03	3.60E-03	3.24E-03	3.32E-03	3.13E-03	9.12E-04	9.16E-04	1.83E-03	8.89E-04	8.93E-04	1.78E-03	8.78E-04	8.82E-04	1.76E-03
2942 479426.63, 3849871.93	0.02209	0.0222	3.36E-03	3.51E-03	3.16E-03	3.24E-03	3.06E-03	8.89E-04	8.93E-04	1.78E-03	8.67E-04	8.72E-04	1.74E-03	8.56E-04	8.60E-04	1.72E-03
2943 478726.63, 3849921.93	0.04108	0.04126	6.24E-03	6.53E-03	5.88E-03	6.02E-03	5.68E-03	1.65E-03	1.66E-03	3.31E-03	1.61E-03	1.62E-03	3.23E-03	1.59E-03	1.60E-03	3.19E-03
2944 478776.63, 3849921.93	0.0391	0.03927	5.94E-03	6.22E-03	5.60E-03	5.73E-03	5.41E-03	1.57E-03	1.58E-03	3.15E-03	1.54E-03	1.54E-03	3.08E-03	1.52E-03	1.52E-03	3.04E-03
2945 478826.63, 3849921.93	0.03727	0.03742	5.66E-03	5.92E-03	5.34E-03	5.46E-03	5.15E-03	1.50E-03	1.51E-03	3.01E-03	1.46E-03	1.47E-03	2.93E-03	1.44E-03	1.45E-03	2.89E-03
2946 478976.63, 3849921.93	0.03267	0.03279	4.96E-03	5.19E-03	4.68E-03	4.79E-03	4.52E-03	1.31E-03	1.32E-03	2.63E-03	1.28E-03	1.29E-03	2.57E-03	1.27E-03	1.27E-03	2.54E-03
2947 479026.63, 3849921.93	0.03152	0.03163	4.79E-03	5.01E-03	4.51E-03	4.62E-03	4.36E-03	1.27E-03	1.27E-03	2.54E-03	1.24E-03	1.24E-03	2.48E-03	1.22E-03	1.23E-03	2.45E-03
2948 479076.63, 3849921.93	0.03035	0.03045	4.61E-03	4.82E-03	4.34E-03	4.45E-03	4.20E-03	1.22E-03	1.23E-03	2.45E-03	1.19E-03	1.20E-03	2.39E-03	1.18E-03	1.18E-03	2.36E-03
2949 479126.63, 3849921.93	0.02921	0.02931	4.44E-03	4.64E-03	4.18E-03	4.28E-03	4.04E-03	1.18E-03	1.18E-03	2.36E-03	1.15E-03	1.15E-03	2.30E-03	1.13E-03	1.14E-03	2.27E-03
2950 479176.63, 3849921.93	0.02822	0.02831	4.29E-03	4.48E-03	4.04E-03	4.14E-03	3.90E-03	1.14E-03	1.14E-03	2.27E-03	1.11E-03	1.11E-03	2.22E-03	1.09E-03	1.10E-03	2.19E-03
2951 479226.63, 3849921.93	0.02706	0.02715	4.11E-03	4.30E-03	3.87E-03	3.97E-03	3.74E-03	1.09E-03	1.09E-03	2.18E-03	1.06E-03	1.07E-03	2.13E-03	1.05E-03	1.05E-03	2.10E-03
2952 479276.63, 3849921.93	0.02566	0.02574	3.90E-03	4.08E-03	3.67E-03	3.76E-03	3.55E-03	1.03E-03	1.04E-03	2.07E-03	1.01E-03	1.01E-03	2.02E-03	9.94E-04	9.97E-04	1.99E-03
2953 479326.63, 3849921.93	0.02536	0.02545	3.85E-03	4.03E-03	3.63E-03	3.72E-03	3.51E-03	1.02E-03	1.02E-03	2.04E-03	9.96E-04	9.99E-04	2.00E-03	9.83E-04	9.86E-04	1.97E-03
2954 479376.63, 3849921.93	0.02409	0.02419	3.66E-03	3.83E-03	3.45E-03	3.53E-03	3.33E-03	9.69E-04	9.73E-04	1.94E-03	9.46E-04	9.50E-04	1.90E-03	9.33E-04	9.37E-04	1.87E-03
2955 479426.63, 3849921.93	0.02369	0.02378	3.60E-03	3.77E-03	3.39E-03	3.47E-03	3.28E-03	9.53E-04	9.57E-04	1.91E-03	9.30E-04	9.34E-04	1.86E-03	9.18E-04	9.21E-04	1.84E-03
2956 478726.63, 3849971.93	0.0458	0.04596	6.96E-03	7.28E-03	6.56E-03	6.72E-03	6.33E-03	1.84E-03	1.85E-03	3.69E-03	1.80E-03	1.80E-03	3.60E-03	1.77E-03	1.78E-03	3.56E-03
2957 478776.63, 3849971.93	0.04334	0.0435	6.59E-03	6.89E-03	6.20E-03	6.35E-03	5.99E-03	1.74E-03	1.75E-03	3.49E-03	1.70E-03	1.71E-03	3.41E-03	1.68E-03	1.69E-03	3.36E-03
2958 478826.63, 3849971.93	0.0411	0.04125	6.25E-03	6.53E-03	5.88E-03	6.03E-03	5.68E-03	1.65E-03	1.66E-03	3.31E-03	1.61E-03	1.62E-03	3.23E-03	1.59E-03	1.60E-03	3.19E-03
2959 478976.63, 3849971.93	0.03575	0.03588	5.43E-03	5.68E-03	5.12E-03	5.24E-03	4.94E-03	1.44E-03	1.44E-03	2.88E-03	1.40E-03	1.41E-03	2.81E-03	1.39E-03	1.39E-03	2.78E-03
2960 479026.63, 3849971.93	0.03419	0.03431	5.20E-03	5.43E-03	4.89E-03	5.01E-03	4.73E-03	1.38E-03	1.38E-03	2.76E-03	1.34E-03	1.35E-03	2.69E-03	1.32E-03	1.33E-03	2.65E-03
2961 479076.63, 3849971.93	0.03278	0.03288	4.98E-03	5.21E-03	4.69E-03	4.81E-03	4.53E-03	1.32E-03	1.32E-03	2.64E-03	1.29E-03	1.29E-03	2.58E-03	1.27E-03	1.27E-03	2.54E-03
2962 479126.63, 3849971.93	0.0315	0.0316	4.79E-03	5.00E-03	4.51E-03	4.62E-03	4.36E-03	1.27E-03	1.27E-03	2.54E-03	1.24E-03	1.24E-03	2.48E-03	1.22E-03	1.22E-03	2.45E-03
2963 479176.63, 3849971.93	0.03034	0.03043	4.61E-03	4.82E-03	4.34E-03	4.45E-03	4.20E-03	1.22E-03	1.22E-03	2.45E-03	1.19E-03	1.19E-03	2.39E-03	1.18E-03	1.18E-03	2.35E-03
2964 479226.63, 3849971.93	0.02854	0.02862	4.34E-03	4.53E-03	4.09E-03	4.18E-03	3.95E-03	1.15E-03	1.15E-03	2.30E-03	1.12E-03	1.12E-03	2.24E-03	1.11E-03	1.11E-03	2.21E-03
2965 479276.63, 3849971.93	0.02796	0.02805	4.25E-03	4.44E-03	4.00E-03	4.10E-03	3.87E-03	1.13E-03	1.13E-03	2.25E-03	1.10E-03	1.10E-03	2.20E-03	1.08E-03	1.09E-03	2.17E-03
2966 479326.63, 3849971.93	0.02729	0.02738	4.15E-03	4.34E-03	3.91E-03	4.00E-03	3.77E-03	1.10E-03	1.10E-03	2.20E-03	1.07E-03	1.08E-03	2.15E-03	1.06E-03	1.06E-03	2.12E-03

2967 479376.63, 3849971.93	0.02597	0.02605	3.95E-03	4.12E-03	3.72E-03	3.81E-03	3.59E-03	1.05E-03	1.05E-03	2.09E-03	1.02E-03	1.02E-03	2.04E-03	1.01E-03	1.01E-03	2.02E-03
2968 479426.63, 3849971.93	0.02525	0.02534	3.84E-03	4.01E-03	3.61E-03	3.70E-03	3.49E-03	1.02E-03	1.02E-03	2.04E-03	9.92E-04	9.95E-04	1.99E-03	9.78E-04	9.82E-04	1.96E-03
2969 478726.63, 3850021.93	0.05179	0.05191	7.87E-03	8.22E-03	7.41E-03	7.59E-03	7.16E-03	2.08E-03	2.09E-03	4.17E-03	2.03E-03	2.04E-03	4.07E-03	2.01E-03	2.01E-03	4.02E-03
2970 478776.63, 3850021.93	0.04863	0.04876	7.39E-03	7.72E-03	6.96E-03	7.13E-03	6.73E-03	1.96E-03	1.96E-03	3.92E-03	1.91E-03	1.91E-03	3.82E-03	1.88E-03	1.89E-03	3.77E-03
2971 478826.63, 3850021.93	0.04585	0.04598	6.97E-03	7.28E-03	6.56E-03	6.72E-03	6.34E-03	1.85E-03	1.85E-03	3.70E-03	1.80E-03	1.81E-03	3.61E-03	1.78E-03	1.78E-03	3.56E-03
2972 478976.63, 3850021.93	0.03921	0.03932	5.96E-03	6.23E-03	5.61E-03	5.75E-03	5.42E-03	1.58E-03	1.58E-03	3.16E-03	1.54E-03	1.54E-03	3.08E-03	1.52E-03	1.52E-03	3.04E-03
2973 478726.63, 3850071.93	0.05966	0.05972	9.07E-03	9.46E-03	8.54E-03	8.75E-03	8.25E-03	2.40E-03	2.40E-03	4.80E-03	2.34E-03	2.35E-03	4.69E-03	2.31E-03	2.31E-03	4.63E-03
2974 478776.63, 3850071.93	0.05548	0.05556	8.43E-03	8.80E-03	7.94E-03	8.13E-03	7.67E-03	2.23E-03	2.24E-03	4.47E-03	2.18E-03	2.18E-03	4.36E-03	2.15E-03	2.15E-03	4.30E-03
2975 478826.63, 3850071.93	0.05186	0.05196	7.88E-03	8.23E-03	7.42E-03	7.60E-03	7.17E-03	2.09E-03	2.09E-03	4.18E-03	2.04E-03	2.04E-03	4.08E-03	2.01E-03	2.01E-03	4.02E-03
2976 478876.63, 3850071.93	0.04871	0.04881	7.40E-03	7.73E-03	6.97E-03	7.14E-03	6.74E-03	1.96E-03	1.96E-03	3.92E-03	1.91E-03	1.92E-03	3.83E-03	1.89E-03	1.89E-03	3.78E-03
2977 478976.63, 3850071.93	0.04347	0.04357	6.61E-03	6.90E-03	6.22E-03	6.37E-03	6.01E-03	1.75E-03	1.75E-03	3.50E-03	1.71E-03	1.71E-03	3.42E-03	1.68E-03	1.69E-03	3.37E-03
2978 478726.63, 3850121.93	0.07053	0.07046	1.07E-02	1.12E-02	1.01E-02	1.03E-02	9.75E-03	2.84E-03	2.84E-03	5.67E-03	2.77E-03	2.77E-03	5.54E-03	2.73E-03	2.73E-03	5.46E-03
2979 478776.63, 3850121.93	0.06471	0.06469	9.83E-03	1.02E-02	9.26E-03	9.49E-03	8.95E-03	2.60E-03	2.60E-03	5.21E-03	2.54E-03	2.54E-03	5.08E-03	2.51E-03	2.51E-03	5.01E-03
2980 478826.63, 3850121.93	0.05981	0.05982	9.09E-03	9.47E-03	8.56E-03	8.77E-03	8.27E-03	2.41E-03	2.41E-03	4.81E-03	2.35E-03	2.35E-03	4.70E-03	2.32E-03	2.32E-03	4.64E-03
2981 478876.63, 3850121.93	0.05561	0.05565	8.45E-03	8.81E-03	7.96E-03	8.15E-03	7.69E-03	2.24E-03	2.24E-03	4.48E-03	2.18E-03	2.19E-03	4.37E-03	2.15E-03	2.16E-03	4.31E-03
2982 478976.63, 3850121.93	0.04883	0.04889	7.42E-03	7.74E-03	6.99E-03	7.16E-03	6.75E-03	1.97E-03	1.97E-03	3.93E-03	1.92E-03	1.92E-03	3.84E-03	1.89E-03	1.89E-03	3.79E-03
2983 479026.63, 3850121.93	0.04605	0.04611	7.00E-03	7.30E-03	6.59E-03	6.75E-03	6.37E-03	1.85E-03	1.86E-03	3.71E-03	1.81E-03	1.81E-03	3.62E-03	1.78E-03	1.79E-03	3.57E-03
2984 479076.63, 3850121.93	0.04353	0.04359	6.61E-03	6.90E-03	6.23E-03	6.38E-03	6.02E-03	1.75E-03	1.75E-03	3.51E-03	1.71E-03	1.71E-03	3.42E-03	1.69E-03	1.69E-03	3.38E-03
2985 479126.63, 3850121.93	0.04128	0.04134	6.27E-03	6.55E-03	5.91E-03	6.05E-03	5.71E-03	1.66E-03	1.66E-03	3.32E-03	1.62E-03	1.62E-03	3.24E-03	1.60E-03	1.60E-03	3.20E-03
2986 478776.63, 3850171.93	0.07782	0.07761	1.18E-02	1.23E-02	1.11E-02	1.14E-02	1.08E-02	3.13E-03	3.12E-03	6.25E-03	3.06E-03	3.05E-03	6.10E-03	3.02E-03	3.01E-03	6.02E-03
2987 478826.63, 3850171.93	0.07078	0.07065	1.08E-02	1.12E-02	1.01E-02	1.04E-02	9.79E-03	2.85E-03	2.84E-03	5.69E-03	2.78E-03	2.77E-03	5.55E-03	2.74E-03	2.74E-03	5.48E-03
2988 478876.63, 3850171.93	0.06493	0.06485	9.87E-03	1.03E-02	9.30E-03	9.52E-03	8.98E-03	2.61E-03	2.61E-03	5.22E-03	2.55E-03	2.55E-03	5.10E-03	2.52E-03	2.51E-03	5.03E-03
2989 478976.63, 3850171.93	0.05577	0.05578	8.47E-03	8.83E-03	7.98E-03	8.18E-03	7.71E-03	2.24E-03	2.24E-03	4.49E-03	2.19E-03	2.19E-03	4.38E-03	2.16E-03	2.16E-03	4.32E-03
2990 479026.63, 3850171.93	0.05214	0.05216	7.92E-03	8.26E-03	7.46E-03	7.65E-03	7.21E-03	2.10E-03	2.10E-03	4.20E-03	2.05E-03	2.05E-03	4.10E-03	2.02E-03	2.02E-03	4.04E-03
2991 479076.63, 3850171.93	0.04896	0.04899	7.44E-03	7.76E-03	7.01E-03	7.18E-03	6.77E-03	1.97E-03	1.97E-03	3.94E-03	1.92E-03	1.92E-03	3.85E-03	1.90E-03	1.90E-03	3.80E-03
2992 479126.63, 3850171.93	0.04615	0.04618	7.01E-03	7.31E-03	6.61E-03	6.77E-03	6.38E-03	1.86E-03	1.86E-03	3.72E-03	1.81E-03	1.81E-03	3.63E-03	1.79E-03	1.79E-03	3.58E-03
2993 479176.63, 3850171.93	0.04368	0.04371	6.64E-03	6.92E-03	6.25E-03	6.40E-03	6.04E-03	1.76E-03	1.76E-03	3.52E-03	1.72E-03	1.72E-03	3.43E-03	1.69E-03	1.69E-03	3.39E-03
2994 479226.63, 3850171.93	0.04154	0.04158	6.31E-03	6.58E-03	5.95E-03	6.09E-03	5.75E-03	1.67E-03	1.67E-03	3.35E-03	1.63E-03	1.63E-03	3.26E-03	1.61E-03	1.61E-03	3.22E-03
2995 479276.63, 3850171.93	0.0396	0.03964	6.02E-03	6.28E-03	5.67E-03	5.81E-03	5.48E-03	1.59E-03	1.60E-03	3.19E-03	1.56E-03	1.56E-03	3.11E-03	1.53E-03	1.54E-03	3.07E-03
2996 479326.63, 3850171.93	0.03779	0.03784	5.74E-03	5.99E-03	5.41E-03	5.54E-03	5.23E-03	1.52E-03	1.52E-03	3.04E-03	1.48E-03	1.49E-03	2.97E-03	1.46E-03	1.47E-03	2.93E-03
2997 479376.63, 3850171.93	0.03607	0.0361	5.48E-03	5.72E-03	5.16E-03	5.29E-03	4.99E-03	1.45E-03	1.45E-03	2.90E-03	1.42E-03	1.42E-03	2.83E-03	1.40E-03	1.40E-03	2.80E-03
2998 478676.63, 3850221.93	0.13178	0.1304	2.00E-02	2.06E-02	1.89E-02	1.93E-02	1.82E-02	5.30E-03	5.25E-03	1.06E-02	5.17E-03	5.12E-03	1.03E-02	5.11E-03	5.05E-03	1.02E-02
2999 478726.63, 3850221.93	0.11231	0.11141	1.71E-02	1.76E-02	1.61E-02	1.65E-02	1.55E-02	4.52E-03	4.48E-03	9.00E-03	4.41E-03	4.38E-03	8.79E-03	4.35E-03	4.32E-03	8.67E-03
3000 478976.63, 3850221.93	0.06511	0.065	9.89E-03	1.03E-02	9.32E-03	9.55E-03	9.01E-03	2.62E-03	2.62E-03	5.24E-03	2.56E-03	2.55E-03	5.11E-03	2.52E-03	2.52E-03	5.04E-03
3001 479026.63, 3850221.93	0.06015	0.06007	9.14E-03	9.51E-03	8.61E-03	8.82E-03	8.32E-03	2.42E-03	2.42E-03	4.84E-03	2.36E-03	2.36E-03	4.72E-03	2.33E-03	2.33E-03	4.66E-03
3002 479076.63, 3850221.93	0.05594	0.0559	8.50E-03	8.85E-03	8.01E-03	8.20E-03	7.74E-03	2.25E-03	2.25E-03	4.50E-03	2.20E-03	2.20E-03	4.39E-03	2.17E-03	2.17E-03	4.33E-03
3003 479126.63, 3850221.93	0.05229	0.05227	7.95E-03	8.28E-03	7.49E-03	7.67E-03	7.23E-03	2.10E-03	2.10E-03	4.21E-03	2.05E-03	2.05E-03	4.11E-03	2.03E-03	2.03E-03	4.05E-03
3004 479176.63, 3850221.93	0.04911	0.04911	7.46E-03	7.78E-03	7.03E-03	7.20E-03	6.79E-03	1.98E-03	1.98E-03	3.95E-03	1.93E-03	1.93E-03	3.86E-03	1.90E-03	1.90E-03	3.81E-03
3005 479226.63, 3850221.93	0.04633	0.04633	7.04E-03	7.34E-03	6.63E-03	6.79E-03	6.41E-03	1.86E-03	1.86E-03	3.73E-03	1.82E-03	1.82E-03	3.64E-03	1.80E-03	1.80E-03	3.59E-03
3006 479276.63, 3850221.93	0.04386	0.04387	6.66E-03	6.95E-03	6.28E-03	6.43E-03	6.07E-03	1.77E-03	1.77E-03	3.53E-03	1.72E-03	1.72E-03	3.45E-03	1.70E-03	1.70E-03	3.40E-03
3007 479326.63, 3850221.93	0.04166	0.04167	6.33E-03	6.60E-03	5.96E-03	6.11E-03	5.76E-03	1.68E-03	1.68E-03	3.35E-03	1.64E-03	1.64E-03	3.27E-03	1.61E-03	1.61E-03	3.23E-03
3008 479376.63, 3850221.93	0.03965	0.03967	6.02E-03	6.28E-03	5.68E-03	5.81E-03	5.48E-03	1.60E-03	1.60E-03	3.19E-03	1.56E-03	1.56E-03	3.11E-03	1.54E-03	1.54E-03	3.07E-03
3009 478676.63, 3850271.93	0.20205	0.19803	3.07E-02	3.14E-02	2.89E-02	2.96E-02	2.79E-02	8.13E-03	7.97E-03	1.61E-02	7.93E-03	7.78E-03	1.57E-02	7.83E-03	7.67E-03	1.55E-02
3010 478726.63, 3850271.93	0.16028	0.15785	2.44E-02	2.50E-02	2.29E-02	2.35E-02	2.22E-02	6.45E-03	6.35E-03	1.28E-02	6.29E-03	6.20E-03	1.25E-02	6.21E-03	6.12E-03	1.23E-02
3011 478976.63, 3850271.93	0.07847	0.07813	1.19E-02	1.24E-02	1.12E-02	1.15E-02	1.09E-02	3.16E-03	3.14E-03	6.30E-03	3.08E-03	3.07E-03	6.15E-03	3.04E-03	3.03E-03	6.07E-03
3012 479026.63, 3850271.93	0.07126	0.07101	1.08E-02	1.12E-02	1.02E-02	1.04E-02	9.86E-03	2.87E-03	2.86E-03	5.73E-03	2.80E-03	2.79E-03	5.59E-03	2.76E-03	2.75E-03	5.51E-03
3013 479076.63, 3850271.93	0.06534	0.06517	9.93E-03	1.03E-02	9.35E-03	9.58E-03	9.04E-03	2.63E-03	2.62E-03	5.25E-03	2.57E-03	2.56E-03	5.13E-03	2.53E-03	2.53E-03	5.06E-03
3014 479126.63, 3850271.93	0.06037	0.06025	9.17E-03	9.54E-03	8.64E-03	8.85E-03	8.35E-03	2.43E-03	2.42E-03	4.85E-03	2.37E-03	2.37E-03	4.74E-03	2.34E-03	2.33E-03	4.67E-03
3015 479176.63, 3850271.93	0.05611	0.05603	8.53E-03	8.87E-03	8.03E-03	8.23E-03	7.76E-03	2.26E-03	2.25E-03	4.51E-03	2.20E-03	2.20E-03	4.40E-03	2.17E-03	2.17E-03	4.35E-03
3016 479226.63, 3850271.93	0.05244	0.05238	7.97E-03	8.29E-03	7.51E-03	7.69E-03	7.25E-03	2.11E-03	2.11E-03	4.22E-03	2.06E-03	2.06E-03	4.12E-03	2.03E-03	2.03E-03	4.06E-03
3017 479276.63, 3850271.93	0.04926	0.04922	7.49E-03	7.79E-03	7.05E-03	7.22E-03	6.81E-03	1.98E-03	1.98E-03	3.96E-03	1.93E-03	1.93E-03	3.87E-03	1.91E-03	1.91E-03	3.82E-03
3018 479326.63, 3850271.93	0.04648	0.04645	7.06E-03	7.35E-03	6.65E-03	6.82E-03	6.43E-03	1.87E-03	1.87E-03	3.74E-03	1.83E-03	1.82E-03	3.65E-03	1.80E-03	1.80E-03	3.60E-03
3019 479376.63, 3850271.93	0.04394	0.04392	6.68E-03	6.95E-03	6.29E-03	6.44E-03	6.08E-03	1.77E-03	1.77E-03	3.54E-03	1.73E-03	1.72E-03	3.45E-03	1.70E-03	1.70E-03	3.40E-03
3020 479053.24, 3850293.52	0.07358	0.07328	1.12E-02	1.16E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	2.95E-03	5.91E-03	2.89E-03	2.88E-03	5.77E-03	2.85E-03	2.84E-03	5.69E-03
3021 479103.24, 3850293.52	0.06727	0.06706	1.02E-02	1.06E-02	9.63E-03	9.86E-03	9.30E-03	2.71E-03	2.70E-03	5.41E-03	2.64E-03	2.63E-03	5.28E-03	2.61E-03	2.60E-03	5.21E-03
3022 479153.24, 3850293.52	0.06202	0.06187	9.42E-03	9.80E-03	8.88E-03	9.09E-03	8.58E-03	2.50E-03	2.49E-03	4.99E-03	2.44E-03	2.43E-03	4.87E-03	2.40E-03	2.40E-03	4.80E-03
3023 479203.24, 3850293.52	0.05752	0.05741	8.74E-03	9.09E-03	8.23E-03	8.43E-03	7.96E-03	2.31E-03	2.31E-03	4.63E-03	2.26E-03	2.25E-03	4.51E-03	2.23E-03	2.22E-03	4.45E-03
3024 479253.24, 3850293.52	0.05368	0.0536	8.16E-03	8.49E-03	7.68E-03	7.87E-03	7.42E-03	2.16E-03	2.16E-03	4.32E-03	2.11E-03	2.10E-03	4.21E-03	2.08E-03	2.08E-03	4.16E-03
3025 479303.24, 3850293.52	0.05037	0.05031	7.65E-03	7.97E-03	7.21E-03	7.39E-03	6.97E-03	2.03E-03	2.02E-03	4.05E-03	1.98E-03	1.98E-03	3.95E-03	1.95E-03	1.95E-03	3.90E-03
3026 479353.24, 3850293.52	0.04742	0.04737	7.21E-03	7.50E-03	6.79E-03	6.95E-03	6.56E-03	1.91E-03	1.91E-03	3.81E-03	1.86E-03	1.86E-03	3.72E-03	1.84E-03	1.84E-03	3.67E-03
3027 479153.24, 3850343.52	0.07394	0.07358	1.12E-02	1.17E-02	1.06E-02	1.08E-02	1.02E-02	2.98E-03	2.96E-03	5.94E-03	2.90E-03	2.89E-03	5.79E-03	2.87E-03	2.85E-03	5.72E-03
3028 479203.24, 3850343.52	0.06756	0.06731	1.03E-02	1.07E-02	9.67E-03	9.91E-03	9.34E-03	2.72E-03	2.71E-03	5.43E-03	2.65E-03	2.64E-03	5.30E-03	2.62E-03	2.61E-03	5.23E-03
3029 479253.24, 3850343.52	0.06231	0.06212	9.47E-03	9.84E-03	8.92E-03	9.14E-03	8.62E-03	2.51E-03	2.50E-03	5.01E-03	2.45E-03	2.44E-03	4.89E-03	2.41E-03	2.41E-03	4.82E-03
3030 479303.24, 3850343.52	0.05784	0.05769	8.79E-03	9.13E-03	8.28E-03	8.48E-03	8.00E-03	2.33E-03	2.32E-03	4.65E-03	2.27E-03	2.27E-03	4.54E-03	2.24E-03	2.24E-03	4.48E-03
3031 479353.24, 3850343.52	0.05394	0.05382	8.20E-03	8.52E-03	7.72E-03	7.91E-03	7.46E-03	2.17E-03	2.17E-03	4.34E-03	2.12E-03	2.11E-03	4.23E-03	2.09E-03	2.09E-03	4.18E-03
3032 479203.24, 3850393.52	0.0822	0.08165	1.25E-02	1.29E-02	1.18E-02	1.21E-02	1.14E-02	3.31E-03	3.29E-03	6.59E-03	3.23E-03	3.21E-03	6.43E-03	3.19E-03	3.16E-03	6.35E-03

3033 479253.24, 3850393.52	0.07446	0.07406	1.13E-02	1.17E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	2.98E-03	5.98E-03	2.92E-03	2.91E-03	5.83E-03	2.89E-03	2.87E-03	5.75E-03
3034 479303.24, 3850393.52	0.06811	0.06779	1.03E-02	1.07E-02	9.75E-03	9.99E-03	9.42E-03	2.74E-03	2.73E-03	5.47E-03	2.67E-03	2.66E-03	5.34E-03	2.64E-03	2.63E-03	5.27E-03
3035 479353.24, 3850393.52	0.06273	0.06247	9.53E-03	9.89E-03	8.98E-03	9.20E-03	8.68E-03	2.52E-03	2.51E-03	5.04E-03	2.46E-03	2.45E-03	4.92E-03	2.43E-03	2.42E-03	4.85E-03
3036 479403.24, 3850393.52	0.05809	0.05788	8.83E-03	9.16E-03	8.32E-03	8.52E-03	8.03E-03	2.34E-03	2.33E-03	4.67E-03	2.28E-03	2.27E-03	4.55E-03	2.25E-03	2.24E-03	4.49E-03
3037 479453.24, 3850393.52	0.05401	0.05383	8.21E-03	8.52E-03	7.73E-03	7.92E-03	7.47E-03	2.17E-03	2.17E-03	4.34E-03	2.12E-03	2.11E-03	4.23E-03	2.09E-03	2.09E-03	4.18E-03
3038 479503.24, 3850393.52	0.05031	0.05015	7.64E-03	7.94E-03	7.20E-03	7.38E-03	6.96E-03	2.02E-03	2.02E-03	4.04E-03	1.98E-03	1.97E-03	3.95E-03	1.95E-03	1.94E-03	3.89E-03
3039 479303.24, 3850443.52	0.08309	0.08245	1.26E-02	1.31E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	3.32E-03	6.66E-03	3.26E-03	3.24E-03	6.50E-03	3.22E-03	3.19E-03	6.41E-03
3040 479353.24, 3850443.52	0.07513	0.07462	1.14E-02	1.18E-02	1.08E-02	1.10E-02	1.04E-02	3.02E-03	3.00E-03	6.03E-03	2.95E-03	2.93E-03	5.88E-03	2.91E-03	2.89E-03	5.80E-03
3041 479403.24, 3850443.52	0.06843	0.06801	1.04E-02	1.08E-02	9.80E-03	1.00E-02	9.46E-03	2.75E-03	2.74E-03	5.49E-03	2.69E-03	2.67E-03	5.36E-03	2.65E-03	2.64E-03	5.29E-03
3042 479453.24, 3850443.52	0.06271	0.06237	9.53E-03	9.88E-03	8.98E-03	9.20E-03	8.67E-03	2.52E-03	2.51E-03	5.03E-03	2.46E-03	2.45E-03	4.91E-03	2.43E-03	2.42E-03	4.85E-03
3043 479503.24, 3850443.52	0.05773	0.05747	8.77E-03	9.10E-03	8.26E-03	8.46E-03	7.98E-03	2.32E-03	2.31E-03	4.64E-03	2.27E-03	2.26E-03	4.52E-03	2.24E-03	2.23E-03	4.46E-03
3044 480327.18, 3850987.04	0.1013	0.10091	1.54E-02	1.60E-02	1.45E-02	1.49E-02	1.40E-02	4.08E-03	4.06E-03	8.14E-03	3.98E-03	3.96E-03	7.94E-03	3.93E-03	3.91E-03	7.84E-03
3045 480377.18, 3850987.04	0.08939	0.08921	1.36E-02	1.41E-02	1.28E-02	1.31E-02	1.24E-02	3.60E-03	3.59E-03	7.19E-03	3.51E-03	3.50E-03	7.01E-03	3.46E-03	3.46E-03	6.92E-03
3046 480427.18, 3850987.04	0.07979	0.07976	1.21E-02	1.26E-02	1.14E-02	1.17E-02	1.10E-02	3.21E-03	3.21E-03	6.42E-03	3.13E-03	3.13E-03	6.27E-03	3.09E-03	3.09E-03	6.18E-03
3047 480477.18, 3850987.04	0.07179	0.07186	1.09E-02	1.14E-02	1.03E-02	1.05E-02	9.93E-03	2.89E-03	2.89E-03	5.78E-03	2.82E-03	2.82E-03	5.64E-03	2.78E-03	2.78E-03	5.57E-03
3048 480327.18, 3851037.04	0.13899	0.13813	2.11E-02	2.19E-02	1.99E-02	2.04E-02	1.92E-02	5.59E-03	5.56E-03	1.12E-02	5.46E-03	5.42E-03	1.09E-02	5.39E-03	5.35E-03	1.07E-02
3049 480377.18, 3851037.04	0.11767	0.11723	1.79E-02	1.86E-02	1.68E-02	1.73E-02	1.63E-02	4.74E-03	4.72E-03	9.45E-03	4.62E-03	4.60E-03	9.22E-03	4.56E-03	4.54E-03	9.10E-03
3050 480427.18, 3851037.04	0.10163	0.10146	1.54E-02	1.61E-02	1.45E-02	1.49E-02	1.41E-02	4.09E-03	4.08E-03	8.17E-03	3.99E-03	3.98E-03	7.98E-03	3.94E-03	3.93E-03	7.87E-03
3051 480477.18, 3851037.04	0.08929	0.08931	1.36E-02	1.41E-02	1.28E-02	1.31E-02	1.23E-02	3.59E-03	3.59E-03	7.19E-03	3.51E-03	3.51E-03	7.01E-03	3.46E-03	3.46E-03	6.92E-03
3052 480622.06, 3851087.39	0.08036	0.0807	1.22E-02	1.28E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.25E-03	6.48E-03	3.16E-03	3.17E-03	6.32E-03	3.11E-03	3.13E-03	6.24E-03
3053 480672.06, 3851087.39	0.07242	0.07281	1.10E-02	1.15E-02	1.04E-02	1.06E-02	1.00E-02	2.91E-03	2.93E-03	5.84E-03	2.84E-03	2.86E-03	5.70E-03	2.81E-03	2.82E-03	5.63E-03
3054 480622.06, 3851137.39	0.10335	0.10377	1.57E-02	1.64E-02	1.48E-02	1.52E-02	1.43E-02	4.16E-03	4.18E-03	8.34E-03	4.06E-03	4.08E-03	8.13E-03	4.00E-03	4.02E-03	8.03E-03
3055 480672.06, 3851137.39	0.09053	0.09103	1.38E-02	1.44E-02	1.30E-02	1.33E-02	1.25E-02	3.64E-03	3.66E-03	7.31E-03	3.56E-03	3.57E-03	7.13E-03	3.51E-03	3.53E-03	7.04E-03
3056 480722.06, 3851137.39	0.08065	0.0812	1.23E-02	1.29E-02	1.15E-02	1.18E-02	1.12E-02	3.25E-03	3.27E-03	6.51E-03	3.17E-03	3.19E-03	6.36E-03	3.13E-03	3.15E-03	6.27E-03
3057 480622.06, 3851187.39	0.14428	0.14481	2.19E-02	2.29E-02	2.07E-02	2.12E-02	2.00E-02	5.81E-03	5.83E-03	1.16E-02	5.67E-03	5.69E-03	1.14E-02	5.59E-03	5.61E-03	1.12E-02
3058 480672.06, 3851187.39	0.12079	0.12147	1.84E-02	1.92E-02	1.73E-02	1.77E-02	1.67E-02	4.86E-03	4.89E-03	9.75E-03	4.74E-03	4.77E-03	9.51E-03	4.68E-03	4.71E-03	9.39E-03
3059 480722.06, 3851187.39	0.10387	0.1046	1.58E-02	1.66E-02	1.49E-02	1.52E-02	1.44E-02	4.18E-03	4.21E-03	8.39E-03	4.08E-03	4.11E-03	8.19E-03	4.02E-03	4.05E-03	8.08E-03
3060 471363.09, 3845877.25	0.0037	0.00373	5.62E-04	5.91E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.50E-04	2.99E-04	1.45E-04	1.46E-04	2.92E-04	1.43E-04	1.45E-04	2.88E-04
3061 471863.09, 3845877.25	0.00369	0.00371	5.61E-04	5.87E-04	5.28E-04	5.41E-04	5.10E-04	1.48E-04	1.49E-04	2.98E-04	1.45E-04	1.46E-04	2.91E-04	1.43E-04	1.44E-04	2.87E-04
3062 472363.09, 3845877.25	0.00425	0.00427	6.46E-04	6.76E-04	6.08E-04	6.23E-04	5.88E-04	1.71E-04	1.72E-04	3.43E-04	1.67E-04	1.68E-04	3.35E-04	1.65E-04	1.65E-04	3.30E-04
3063 472863.09, 3845877.25	0.0041	0.00413	6.23E-04	6.54E-04	5.87E-04	6.01E-04	5.67E-04	1.65E-04	1.66E-04	3.31E-04	1.61E-04	1.62E-04	3.23E-04	1.59E-04	1.60E-04	3.19E-04
3064 473363.09, 3845877.25	0.0042	0.00426	6.38E-04	6.74E-04	6.01E-04	6.16E-04	5.81E-04	1.69E-04	1.71E-04	3.40E-04	1.65E-04	1.67E-04	3.32E-04	1.63E-04	1.65E-04	3.28E-04
3065 473863.09, 3845877.25	0.00426	0.00433	6.47E-04	6.86E-04	6.10E-04	6.25E-04	5.89E-04	1.71E-04	1.74E-04	3.46E-04	1.67E-04	1.70E-04	3.37E-04	1.65E-04	1.68E-04	3.33E-04
3066 474363.09, 3845877.25	0.00452	0.00459	6.87E-04	7.27E-04	6.47E-04	6.63E-04	6.25E-04	1.82E-04	1.85E-04	3.67E-04	1.77E-04	1.80E-04	3.58E-04	1.75E-04	1.78E-04	3.53E-04
3067 474863.09, 3845877.25	0.00466	0.00472	7.08E-04	7.47E-04	6.67E-04	6.83E-04	6.45E-04	1.88E-04	1.90E-04	3.77E-04	1.83E-04	1.85E-04	3.68E-04	1.81E-04	1.83E-04	3.63E-04
3068 475363.09, 3845877.25	0.00472	0.00474	7.17E-04	7.50E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.91E-04	3.81E-04	1.85E-04	1.86E-04	3.71E-04	1.83E-04	1.84E-04	3.67E-04
3069 475863.09, 3845877.25	0.0046	0.00462	6.99E-04	7.31E-04	6.59E-04	6.74E-04	6.36E-04	1.85E-04	1.86E-04	3.71E-04	1.81E-04	1.81E-04	3.62E-04	1.78E-04	1.79E-04	3.57E-04
3070 476363.09, 3845877.25	0.00437	0.00441	6.64E-04	6.98E-04	6.26E-04	6.41E-04	6.04E-04	1.76E-04	1.77E-04	3.53E-04	1.72E-04	1.73E-04	3.45E-04	1.69E-04	1.71E-04	3.40E-04
3071 476863.09, 3845877.25	0.00411	0.00417	6.25E-04	6.60E-04	5.88E-04	6.03E-04	5.68E-04	1.65E-04	1.68E-04	3.33E-04	1.61E-04	1.64E-04	3.25E-04	1.59E-04	1.62E-04	3.21E-04
3072 477363.09, 3845877.25	0.0039	0.00396	5.93E-04	6.27E-04	5.58E-04	5.72E-04	5.39E-04	1.57E-04	1.59E-04	3.16E-04	1.53E-04	1.56E-04	3.09E-04	1.51E-04	1.53E-04	3.05E-04
3073 477863.09, 3845877.25	0.00366	0.00371	5.56E-04	5.87E-04	5.24E-04	5.37E-04	5.06E-04	1.47E-04	1.49E-04	2.97E-04	1.44E-04	1.46E-04	2.89E-04	1.42E-04	1.44E-04	2.86E-04
3074 478363.09, 3845877.25	0.00352	0.00355	5.35E-04	5.62E-04	5.04E-04	5.16E-04	4.87E-04	1.42E-04	1.43E-04	2.85E-04	1.38E-04	1.39E-04	2.78E-04	1.36E-04	1.38E-04	2.74E-04
3075 478863.09, 3845877.25	0.00339	0.00342	5.15E-04	5.41E-04	4.85E-04	4.97E-04	4.69E-04	1.36E-04	1.38E-04	2.74E-04	1.33E-04	1.34E-04	2.67E-04	1.31E-04	1.33E-04	2.64E-04
3076 479363.09, 3845877.25	0.00332	0.00336	5.04E-04	5.32E-04	4.75E-04	4.87E-04	4.59E-04	1.34E-04	1.35E-04	2.69E-04	1.30E-04	1.32E-04	2.62E-04	1.29E-04	1.30E-04	2.59E-04
3077 479863.09, 3845877.25	0.0032	0.00323	4.86E-04	5.11E-04	4.58E-04	4.69E-04	4.43E-04	1.29E-04	1.30E-04	2.59E-04	1.26E-04	1.27E-04	2.53E-04	1.24E-04	1.25E-04	2.49E-04
3078 480363.09, 3845877.25	0.00298	0.00301	4.53E-04	4.77E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.21E-04	2.41E-04	1.17E-04	1.18E-04	2.35E-04	1.15E-04	1.17E-04	2.32E-04
3079 480863.09, 3845877.25	0.00285	0.00287	4.33E-04	4.54E-04	4.08E-04	4.18E-04	3.94E-04	1.15E-04	1.15E-04	2.30E-04	1.12E-04	1.13E-04	2.25E-04	1.10E-04	1.11E-04	2.22E-04
3080 481363.09, 3845877.25	0.00273	0.00276	4.15E-04	4.37E-04	3.91E-04	4.00E-04	3.78E-04	1.10E-04	1.11E-04	2.21E-04	1.07E-04	1.08E-04	2.16E-04	1.06E-04	1.07E-04	2.13E-04
3081 481863.09, 3845877.25	0.0026	0.00263	3.95E-04	4.16E-04	3.72E-04	3.81E-04	3.60E-04	1.05E-04	1.06E-04	2.10E-04	1.02E-04	1.03E-04	2.05E-04	1.01E-04	1.02E-04	2.03E-04
3082 482363.09, 3845877.25	0.00247	0.0025	3.75E-04	3.96E-04	3.54E-04	3.62E-04	3.42E-04	9.94E-05	1.01E-04	2.00E-04	9.70E-05	9.82E-05	1.95E-04	9.57E-05	9.69E-05	1.93E-04
3083 482863.09, 3845877.25	0.0022	0.00223	3.34E-04	3.53E-04	3.15E-04	3.23E-04	3.04E-04	8.85E-05	8.97E-05	1.78E-04	8.64E-05	8.76E-05	1.74E-04	8.52E-05	8.64E-05	1.72E-04
3084 483363.09, 3845877.25	0.00207	0.0021	3.15E-04	3.32E-04	2.96E-04	3.04E-04	2.86E-04	8.33E-05	8.45E-05	1.68E-04	8.13E-05	8.25E-05	1.64E-04	8.02E-05	8.14E-05	1.62E-04
3085 483863.09, 3845877.25	0.00223	0.00226	3.39E-04	3.58E-04	3.19E-04	3.27E-04	3.08E-04	8.97E-05	9.09E-05	1.81E-04	8.76E-05	8.87E-05	1.76E-04	8.64E-05	8.76E-05	1.74E-04
3086 484363.09, 3845877.25	0.00221	0.00223	3.36E-04	3.53E-04	3.16E-04	3.24E-04	3.06E-04	8.89E-05	8.97E-05	1.79E-04	8.68E-05	8.76E-05	1.74E-04	8.56E-05	8.64E-05	1.72E-04
3087 484863.09, 3845877.25	0.00216	0.00218	3.28E-04	3.45E-04	3.09E-04	3.17E-04	2.99E-04	8.69E-05	8.77E-05	1.75E-04	8.48E-05	8.56E-05	1.70E-04	8.37E-05	8.45E-05	1.68E-04
3088 485363.09, 3845877.25	0.00208	0.00211	3.16E-04	3.34E-04	2.98E-04	3.05E-04	2.88E-04	8.37E-05	8.49E-05	1.69E-04	8.17E-05	8.29E-05	1.65E-04	8.06E-05	8.18E-05	1.62E-04
3089 485863.09, 3845877.25	0.00208	0.0021	3.16E-04	3.32E-04	2.98E-04	3.05E-04	2.88E-04	8.37E-05	8.45E-05	1.68E-04	8.17E-05	8.25E-05	1.64E-04	8.06E-05	8.14E-05	1.62E-04
3090 486363.09, 3845877.25	0.00205	0.00207	3.12E-04	3.28E-04	2.93E-04	3.01E-04	2.84E-04	8.25E-05	8.33E-05	1.66E-04	8.05E-05	8.13E-05	1.62E-04	7.94E-05	8.02E-05	1.60E-04
3091 486863.09, 3845877.25	0.00197	0.00199	2.99E-04	3.15E-04	2.82E-04	2.89E-04	2.72E-04	7.93E-05	8.01E-05	1.59E-04	7.74E-05	7.81E-05	1.56E-04	7.63E-05	7.71E-05	1.53E-04
3092 487363.09, 3845877.25	0.00194	0.00196	2.95E-04	3.10E-04	2.78E-04	2.84E-04	2.68E-04	7.81E-05	7.89E-05	1.57E-04	7.62E-05	7.70E-05	1.53E-04	7.52E-05	7.59E-05	1.51E-04
3093 487863.09, 3845877.25	0.00187	0.00189	2.84E-04	2.99E-04	2.68E-04	2.74E-04	2.59E-04	7.53E-05	7.61E-05	1.51E-04	7.34E-05	7.42E-05	1.48E-04	7.25E-05	7.32E-05	1.46E-04
3094 488363.09, 3845877.25	0.00183	0.00185	2.78E-04	2.93E-04	2.62E-04	2.68E-04	2.53E-04	7.36E-05	7.44E-05	1.48E-04	7.19E-05	7.26E-05	1.45E-04	7.09E-05	7.17E-05	1.43E-04
3095 488863.09, 3845877.25	0.00192	0.00194	2.92E-04	3.07E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.81E-05	1.55E-04	7.54E-05	7.62E-05	1.52E-04	7.44E-05	7.52E-05	1.50E-04
3096 489363.09, 3845877.25	0.0019	0.00192	2.89E-04	3.04E-04	2.72E-04	2.79E-04	2.63E-04	7.65E-05	7.73E-05	1.54E-04	7.46E-05	7.54E-05	1.50E-04	7.36E-05	7.44E-05	1.48E-04
3097 489863.09, 3845877.25	0.00184	0.00185	2.80E-04	2.93E-04	2.63E-04	2.70E-04	2.54E-04	7.40E-05	7.44E-05	1.48E-04	7.23E-05	7.26E-05	1.45E-04	7.13E-05	7.17E-05	1.43E-04
3098 490363.09, 3845877.25	0.00175	0.00176	2.66E-04	2.79E-04	2.51E-04	2.57E-04	2.42E-04	7.04E-05	7.08E-05	1.41E-04	6.87E-05	6.91E-05	1.38E-04	6.78E-05	6.82E-05	1.36E-04

3099 490863.09, 3845877.25	0.00158	0.0016	2.40E-04	2.53E-04	2.26E-04	2.32E-04	2.19E-04	6.36E-05	6.44E-05	1.28E-04	6.20E-05	6.28E-05	1.25E-04	6.12E-05	6.20E-05	1.23E-04
3100 491363.09, 3845877.25	0.00166	0.00167	2.52E-04	2.64E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.72E-05	1.34E-04	6.52E-05	6.56E-05	1.31E-04	6.43E-05	6.47E-05	1.29E-04
3101 491863.09, 3845877.25	0.00169	0.0017	2.57E-04	2.69E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.84E-05	1.36E-04	6.64E-05	6.68E-05	1.33E-04	6.55E-05	6.59E-05	1.31E-04
3102 492363.09, 3845877.25	0.00157	0.00158	2.39E-04	2.50E-04	2.25E-04	2.30E-04	2.17E-04	6.32E-05	6.36E-05	1.27E-04	6.17E-05	6.20E-05	1.24E-04	6.08E-05	6.12E-05	1.22E-04
3103 492863.09, 3845877.25	0.00168	0.0017	2.55E-04	2.69E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.84E-05	1.36E-04	6.60E-05	6.68E-05	1.33E-04	6.51E-05	6.59E-05	1.31E-04
3104 493363.09, 3845877.25	0.00171	0.00173	2.60E-04	2.74E-04	2.45E-04	2.51E-04	2.37E-04	6.88E-05	6.96E-05	1.38E-04	6.72E-05	6.79E-05	1.35E-04	6.63E-05	6.70E-05	1.33E-04
3105 493863.09, 3845877.25	0.00173	0.00175	2.63E-04	2.77E-04	2.48E-04	2.54E-04	2.39E-04	6.96E-05	7.04E-05	1.40E-04	6.79E-05	6.87E-05	1.37E-04	6.70E-05	6.78E-05	1.35E-04
3106 494363.09, 3845877.25	0.00174	0.00176	2.64E-04	2.79E-04	2.49E-04	2.55E-04	2.41E-04	7.00E-05	7.08E-05	1.41E-04	6.83E-05	6.91E-05	1.37E-04	6.74E-05	6.82E-05	1.36E-04
3107 494863.09, 3845877.25	0.00174	0.00176	2.64E-04	2.79E-04	2.49E-04	2.55E-04	2.41E-04	7.00E-05	7.08E-05	1.41E-04	6.83E-05	6.91E-05	1.37E-04	6.74E-05	6.82E-05	1.36E-04
3108 495363.09, 3845877.25	0.00175	0.00177	2.66E-04	2.80E-04	2.51E-04	2.57E-04	2.42E-04	7.04E-05	7.12E-05	1.42E-04	6.87E-05	6.95E-05	1.38E-04	6.78E-05	6.86E-05	1.36E-04
3109 495863.09, 3845877.25	0.00176	0.00178	2.67E-04	2.82E-04	2.52E-04	2.58E-04	2.43E-04	7.08E-05	7.16E-05	1.42E-04	6.91E-05	6.99E-05	1.39E-04	6.82E-05	6.90E-05	1.37E-04
3110 496363.09, 3845877.25	0.00177	0.00179	2.69E-04	2.83E-04	2.53E-04	2.60E-04	2.45E-04	7.12E-05	7.20E-05	1.43E-04	6.95E-05	7.03E-05	1.40E-04	6.86E-05	6.94E-05	1.38E-04
3111 496863.09, 3845877.25	0.00176	0.00179	2.67E-04	2.83E-04	2.52E-04	2.58E-04	2.43E-04	7.08E-05	7.20E-05	1.43E-04	6.91E-05	7.03E-05	1.39E-04	6.82E-05	6.94E-05	1.38E-04
3112 497363.09, 3845877.25	0.00176	0.00178	2.67E-04	2.82E-04	2.52E-04	2.58E-04	2.43E-04	7.08E-05	7.16E-05	1.42E-04	6.91E-05	6.99E-05	1.39E-04	6.82E-05	6.90E-05	1.37E-04
3113 497863.09, 3845877.25	0.00175	0.00178	2.66E-04	2.82E-04	2.51E-04	2.57E-04	2.42E-04	7.04E-05	7.16E-05	1.42E-04	6.87E-05	6.99E-05	1.39E-04	6.78E-05	6.90E-05	1.37E-04
3114 498363.09, 3845877.25	0.00174	0.00177	2.64E-04	2.80E-04	2.49E-04	2.55E-04	2.41E-04	7.00E-05	7.12E-05	1.41E-04	6.83E-05	6.95E-05	1.38E-04	6.74E-05	6.86E-05	1.36E-04
3115 471363.09, 3846377.25	0.06797	0.06851	1.03E-02	1.08E-02	9.73E-03	9.97E-03	9.40E-03	2.74E-03	2.76E-03	5.49E-03	2.67E-03	2.69E-03	5.36E-03	2.63E-03	2.65E-03	5.29E-03
3116 471863.09, 3846377.25	0.05738	0.05783	8.72E-03	9.16E-03	8.21E-03	8.41E-03	7.94E-03	2.31E-03	2.33E-03	4.64E-03	2.25E-03	2.27E-03	4.52E-03	2.22E-03	2.24E-03	4.46E-03
3117 472363.09, 3846377.25	0.01746	0.0176	2.65E-03	2.79E-03	2.50E-03	2.56E-03	2.41E-03	7.03E-04	7.08E-04	1.41E-03	6.86E-04	6.91E-04	1.38E-03	6.77E-04	6.82E-04	1.36E-03
3118 472863.09, 3846377.25	0.01212	0.0122	1.84E-03	1.93E-03	1.74E-03	1.78E-03	1.68E-03	4.88E-04	4.91E-04	9.79E-04	4.76E-04	4.79E-04	9.55E-04	4.70E-04	4.73E-04	9.42E-04
3119 473363.09, 3846377.25	0.00955	0.00962	1.45E-03	1.52E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	3.87E-04	7.71E-04	3.75E-04	3.78E-04	7.53E-04	3.70E-04	3.73E-04	7.43E-04
3120 473863.09, 3846377.25	0.00855	0.00864	1.30E-03	1.37E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.48E-04	6.92E-04	3.36E-04	3.39E-04	6.75E-04	3.31E-04	3.35E-04	6.66E-04
3121 474363.09, 3846377.25	0.00773	0.00784	1.17E-03	1.24E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.16E-04	6.27E-04	3.04E-04	3.08E-04	6.11E-04	3.00E-04	3.04E-04	6.03E-04
3122 474863.09, 3846377.25	0.00726	0.00736	1.10E-03	1.17E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.96E-04	5.88E-04	2.85E-04	2.89E-04	5.74E-04	2.81E-04	2.85E-04	5.67E-04
3123 475363.09, 3846377.25	0.00675	0.00683	1.03E-03	1.08E-03	9.66E-04	9.90E-04	9.34E-04	2.72E-04	2.75E-04	5.47E-04	2.65E-04	2.68E-04	5.33E-04	2.62E-04	2.65E-04	5.26E-04
3124 475863.09, 3846377.25	0.00637	0.0064	9.68E-04	1.01E-03	9.12E-04	9.34E-04	8.81E-04	2.56E-04	2.58E-04	5.14E-04	2.50E-04	2.51E-04	5.01E-04	2.47E-04	2.48E-04	4.95E-04
3125 476363.09, 3846377.25	0.00585	0.00588	8.89E-04	9.31E-04	8.37E-04	8.58E-04	8.09E-04	2.35E-04	2.37E-04	4.72E-04	2.30E-04	2.31E-04	4.61E-04	2.27E-04	2.28E-04	4.55E-04
3126 476863.09, 3846377.25	0.00541	0.00547	8.22E-04	8.66E-04	7.74E-04	7.93E-04	7.48E-04	2.18E-04	2.20E-04	4.38E-04	2.12E-04	2.15E-04	4.27E-04	2.10E-04	2.12E-04	4.22E-04
3127 477363.09, 3846377.25	0.00502	0.0051	7.63E-04	8.07E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	2.05E-04	4.07E-04	1.97E-04	2.00E-04	3.97E-04	1.95E-04	1.98E-04	3.92E-04
3128 477863.09, 3846377.25	0.00463	0.00471	7.04E-04	7.46E-04	6.63E-04	6.79E-04	6.40E-04	1.86E-04	1.90E-04	3.76E-04	1.82E-04	1.85E-04	3.67E-04	1.79E-04	1.83E-04	3.62E-04
3129 478363.09, 3846377.25	0.00435	0.0044	6.61E-04	6.97E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.77E-04	3.52E-04	1.71E-04	1.73E-04	3.44E-04	1.69E-04	1.70E-04	3.39E-04
3130 478863.09, 3846377.25	0.00419	0.00422	6.37E-04	6.68E-04	6.00E-04	6.14E-04	5.80E-04	1.69E-04	1.70E-04	3.38E-04	1.65E-04	1.66E-04	3.30E-04	1.62E-04	1.64E-04	3.26E-04
3131 479363.09, 3846377.25	0.004	0.00404	6.08E-04	6.40E-04	5.73E-04	5.87E-04	5.53E-04	1.61E-04	1.63E-04	3.24E-04	1.57E-04	1.59E-04	3.16E-04	1.55E-04	1.57E-04	3.12E-04
3132 479863.09, 3846377.25	0.00379	0.00383	5.76E-04	6.06E-04	5.43E-04	5.56E-04	5.24E-04	1.53E-04	1.54E-04	3.07E-04	1.49E-04	1.50E-04	2.99E-04	1.47E-04	1.48E-04	2.95E-04
3133 480363.09, 3846377.25	0.00366	0.00369	5.56E-04	5.84E-04	5.24E-04	5.37E-04	5.06E-04	1.47E-04	1.48E-04	2.96E-04	1.44E-04	1.45E-04	2.89E-04	1.42E-04	1.43E-04	2.85E-04
3134 480863.09, 3846377.25	0.00337	0.0034	5.12E-04	5.38E-04	4.82E-04	4.94E-04	4.66E-04	1.36E-04	1.37E-04	2.72E-04	1.32E-04	1.34E-04	2.66E-04	1.31E-04	1.32E-04	2.62E-04
3135 481363.09, 3846377.25	0.00323	0.00327	4.91E-04	5.18E-04	4.62E-04	4.74E-04	4.47E-04	1.30E-04	1.32E-04	2.62E-04	1.27E-04	1.28E-04	2.55E-04	1.25E-04	1.27E-04	2.52E-04
3136 481863.09, 3846377.25	0.00305	0.00309	4.63E-04	4.89E-04	4.37E-04	4.47E-04	4.22E-04	1.23E-04	1.24E-04	2.47E-04	1.20E-04	1.21E-04	2.41E-04	1.18E-04	1.20E-04	2.38E-04
3137 482363.09, 3846377.25	0.00286	0.0029	4.35E-04	4.59E-04	4.09E-04	4.19E-04	3.96E-04	1.15E-04	1.17E-04	2.32E-04	1.12E-04	1.14E-04	2.26E-04	1.11E-04	1.12E-04	2.23E-04
3138 482863.09, 3846377.25	0.00261	0.00265	3.97E-04	4.20E-04	3.74E-04	3.83E-04	3.61E-04	1.05E-04	1.07E-04	2.12E-04	1.02E-04	1.04E-04	2.07E-04	1.01E-04	1.03E-04	2.04E-04
3139 483363.09, 3846377.25	0.00263	0.00266	4.00E-04	4.21E-04	3.77E-04	3.86E-04	3.64E-04	1.06E-04	1.07E-04	2.13E-04	1.03E-04	1.04E-04	2.08E-04	1.02E-04	1.03E-04	2.05E-04
3140 483863.09, 3846377.25	0.00256	0.00259	3.89E-04	4.10E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.04E-04	2.07E-04	1.01E-04	1.02E-04	2.02E-04	9.92E-05	1.00E-04	2.00E-04
3141 484363.09, 3846377.25	0.00242	0.00245	3.68E-04	3.88E-04	3.46E-04	3.55E-04	3.35E-04	9.74E-05	9.86E-05	1.96E-04	9.50E-05	9.62E-05	1.91E-04	9.38E-05	9.49E-05	1.89E-04
3142 484863.09, 3846377.25	0.00248	0.00251	3.77E-04	3.97E-04	3.55E-04	3.64E-04	3.43E-04	9.98E-05	1.01E-04	2.01E-04	9.74E-05	9.86E-05	1.96E-04	9.61E-05	9.73E-05	1.93E-04
3143 485363.09, 3846377.25	0.00245	0.00247	3.72E-04	3.91E-04	3.51E-04	3.59E-04	3.39E-04	9.86E-05	9.94E-05	1.98E-04	9.62E-05	9.70E-05	1.93E-04	9.49E-05	9.57E-05	1.91E-04
3144 485863.09, 3846377.25	0.00235	0.00237	3.57E-04	3.75E-04	3.36E-04	3.45E-04	3.25E-04	9.46E-05	9.54E-05	1.90E-04	9.23E-05	9.31E-05	1.85E-04	9.11E-05	9.18E-05	1.83E-04
3145 486363.09, 3846377.25	0.00217	0.00219	3.30E-04	3.47E-04	3.11E-04	3.18E-04	3.00E-04	8.73E-05	8.81E-05	1.75E-04	8.52E-05	8.60E-05	1.71E-04	8.41E-05	8.49E-05	1.69E-04
3146 486863.09, 3846377.25	0.0021	0.00212	3.19E-04	3.36E-04	3.01E-04	3.08E-04	2.90E-04	8.45E-05	8.53E-05	1.70E-04	8.25E-05	8.33E-05	1.66E-04	8.14E-05	8.21E-05	1.64E-04
3147 487363.09, 3846377.25	0.00211	0.00213	3.21E-04	3.37E-04	3.02E-04	3.09E-04	2.92E-04	8.49E-05	8.57E-05	1.71E-04	8.29E-05	8.36E-05	1.67E-04	8.18E-05	8.25E-05	1.64E-04
3148 487863.09, 3846377.25	0.00218	0.0022	3.31E-04	3.48E-04	3.12E-04	3.20E-04	3.02E-04	8.77E-05	8.85E-05	1.76E-04	8.56E-05	8.64E-05	1.72E-04	8.45E-05	8.52E-05	1.70E-04
3149 488363.09, 3846377.25	0.00214	0.00216	3.25E-04	3.42E-04	3.06E-04	3.14E-04	2.96E-04	8.61E-05	8.69E-05	1.73E-04	8.40E-05	8.48E-05	1.69E-04	8.29E-05	8.37E-05	1.67E-04
3150 488863.09, 3846377.25	0.00211	0.00213	3.21E-04	3.37E-04	3.02E-04	3.09E-04	2.92E-04	8.49E-05	8.57E-05	1.71E-04	8.29E-05	8.36E-05	1.67E-04	8.18E-05	8.25E-05	1.64E-04
3151 489363.09, 3846377.25	0.00207	0.00209	3.15E-04	3.31E-04	2.96E-04	3.04E-04	2.86E-04	8.33E-05	8.41E-05	1.67E-04	8.13E-05	8.21E-05	1.63E-04	8.02E-05	8.10E-05	1.61E-04
3152 489863.09, 3846377.25	0.002	0.00202	3.04E-04	3.20E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.13E-05	1.62E-04	7.85E-05	7.93E-05	1.58E-04	7.75E-05	7.83E-05	1.56E-04
3153 490363.09, 3846377.25	0.00183	0.00185	2.78E-04	2.93E-04	2.62E-04	2.68E-04	2.53E-04	7.36E-05	7.44E-05	1.48E-04	7.19E-05	7.26E-05	1.45E-04	7.09E-05	7.17E-05	1.43E-04
3154 490863.09, 3846377.25	0.00175	0.00177	2.66E-04	2.80E-04	2.51E-04	2.57E-04	2.42E-04	7.04E-05	7.12E-05	1.42E-04	6.87E-05	6.95E-05	1.38E-04	6.78E-05	6.86E-05	1.36E-04
3155 491363.09, 3846377.25	0.00172	0.00174	2.61E-04	2.75E-04	2.46E-04	2.52E-04	2.38E-04	6.92E-05	7.00E-05	1.39E-04	6.75E-05	6.83E-05	1.36E-04	6.66E-05	6.74E-05	1.34E-04
3156 491863.09, 3846377.25	0.00182	0.00183	2.77E-04	2.90E-04	2.61E-04	2.67E-04	2.52E-04	7.32E-05	7.36E-05	1.47E-04	7.15E-05	7.19E-05	1.43E-04	7.05E-05	7.09E-05	1.41E-04
3157 492363.09, 3846377.25	0.00177	0.00179	2.69E-04	2.83E-04	2.53E-04	2.60E-04	2.45E-04	7.12E-05	7.20E-05	1.43E-04	6.95E-05	7.03E-05	1.40E-04	6.86E-05	6.94E-05	1.38E-04
3158 492863.09, 3846377.25	0.00177	0.00178	2.69E-04	2.82E-04	2.53E-04	2.60E-04	2.45E-04	7.12E-05	7.16E-05	1.43E-04	6.95E-05	6.99E-05	1.39E-04	6.86E-05	6.90E-05	1.38E-04
3159 493363.09, 3846377.25	0.00183	0.00184	2.78E-04	2.91E-04	2.62E-04	2.68E-04	2.53E-04	7.36E-05	7.40E-05	1.48E-04	7.19E-05	7.23E-05	1.44E-04	7.09E-05	7.13E-05	1.42E-04
3160 493863.09, 3846377.25	0.00184	0.00186	2.80E-04	2.94E-04	2.63E-04	2.70E-04	2.54E-04	7.40E-05	7.49E-05	1.49E-04	7.23E-05	7.30E-05	1.45E-04	7.13E-05	7.21E-05	1.43E-04
3161 494363.09, 3846377.25	0.00184	0.00186	2.80E-04	2.94E-04	2.63E-04	2.70E-04	2.54E-04	7.40E-05	7.49E-05	1.49E-04	7.23E-05	7.30E-05	1.45E-04	7.13E-05	7.21E-05	1.43E-04
3162 494863.09, 3846377.25	0.00185	0.00187	2.81E-04	2.96E-04	2.65E-04	2.71E-04	2.56E-04	7.44E-05	7.53E-05	1.50E-04	7.26E-05	7.34E-05	1.46E-04	7.17E-05	7.25E-05	1.44E-04
3163 495363.09, 3846377.25	0.00185	0.00187	2.81E-04	2.96E-04	2.65E-04	2.71E-04	2.56E-04	7.44E-05	7.53E-05	1.50E-04	7.26E-05	7.34E-05	1.46E-04	7.17E-05	7.25E-05	1.44E-04
3164 495863.09, 3846377.25	0.00186	0.00188	2.83E-04	2.98E-04	2.66E-04	2.73E-04	2.57E-04	7.49E-05	7.57E-05	1.51E-04	7.30E-05	7.38E-05	1.47E-04	7.21E-05	7.28E-05	1.45E-04

3165 496363.09, 3846377.25	0.00187	0.00189	2.84E-04	2.99E-04	2.68E-04	2.74E-04	2.59E-04	7.53E-05	7.61E-05	1.51E-04	7.34E-05	7.42E-05	1.48E-04	7.25E-05	7.32E-05	1.46E-04
3166 496863.09, 3846377.25	0.00186	0.00189	2.83E-04	2.99E-04	2.66E-04	2.73E-04	2.57E-04	7.49E-05	7.61E-05	1.51E-04	7.30E-05	7.42E-05	1.47E-04	7.21E-05	7.32E-05	1.45E-04
3167 497363.09, 3846377.25	0.00186	0.00188	2.83E-04	2.98E-04	2.66E-04	2.73E-04	2.57E-04	7.49E-05	7.57E-05	1.51E-04	7.30E-05	7.38E-05	1.47E-04	7.21E-05	7.28E-05	1.45E-04
3168 497863.09, 3846377.25	0.00185	0.00187	2.81E-04	2.96E-04	2.65E-04	2.71E-04	2.56E-04	7.44E-05	7.53E-05	1.50E-04	7.26E-05	7.34E-05	1.46E-04	7.17E-05	7.25E-05	1.44E-04
3169 498363.09, 3846377.25	0.00183	0.00185	2.78E-04	2.93E-04	2.62E-04	2.68E-04	2.53E-04	7.36E-05	7.44E-05	1.48E-04	7.19E-05	7.26E-05	1.45E-04	7.09E-05	7.17E-05	1.43E-04
3170 471363.09, 3846877.25	0.00933	0.00942	1.42E-03	1.49E-03	1.34E-03	1.37E-03	1.29E-03	3.75E-04	3.79E-04	7.55E-04	3.66E-04	3.70E-04	7.36E-04	3.62E-04	3.65E-04	7.27E-04
3171 471863.09, 3846877.25	0.01981	0.01998	3.01E-03	3.16E-03	2.84E-03	2.90E-03	2.74E-03	7.97E-04	8.04E-04	1.60E-03	7.78E-04	7.85E-04	1.56E-03	7.68E-04	7.74E-04	1.54E-03
3172 472363.09, 3846877.25	0.25157	0.25299	3.82E-02	4.01E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	1.02E-02	2.03E-02	9.88E-03	9.93E-03	1.98E-02	9.75E-03	9.80E-03	1.96E-02
3173 472863.09, 3846877.25	0.03012	0.03032	4.58E-03	4.80E-03	4.31E-03	4.42E-03	4.17E-03	1.21E-03	1.22E-03	2.43E-03	1.18E-03	1.19E-03	2.37E-03	1.17E-03	1.17E-03	2.34E-03
3174 473363.09, 3846877.25	0.01859	0.01872	2.82E-03	2.96E-03	2.66E-03	2.73E-03	2.57E-03	7.48E-04	7.53E-04	1.50E-03	7.30E-04	7.35E-04	1.47E-03	7.20E-04	7.25E-04	1.45E-03
3175 473863.09, 3846877.25	0.01503	0.01514	2.28E-03	2.40E-03	2.15E-03	2.20E-03	2.08E-03	6.05E-04	6.09E-04	1.21E-03	5.90E-04	5.95E-04	1.18E-03	5.82E-04	5.87E-04	1.17E-03
3176 474363.09, 3846877.25	0.01204	0.01216	1.83E-03	1.93E-03	1.72E-03	1.77E-03	1.67E-03	4.85E-04	4.89E-04	9.74E-04	4.73E-04	4.78E-04	9.50E-04	4.67E-04	4.71E-04	9.38E-04
3177 474863.09, 3846877.25	0.01022	0.01035	1.55E-03	1.64E-03	1.46E-03	1.50E-03	1.41E-03	4.11E-04	4.17E-04	8.28E-04	4.01E-04	4.06E-04	8.08E-04	3.96E-04	4.01E-04	7.97E-04
3178 475363.09, 3846877.25	0.00891	0.00903	1.35E-03	1.43E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	3.63E-04	7.22E-04	3.50E-04	3.55E-04	7.05E-04	3.45E-04	3.50E-04	6.95E-04
3179 475863.09, 3846877.25	0.00837	0.00847	1.27E-03	1.34E-03	1.20E-03	1.23E-03	1.16E-03	3.37E-04	3.41E-04	6.78E-04	3.29E-04	3.33E-04	6.61E-04	3.24E-04	3.28E-04	6.53E-04
3180 476363.09, 3846877.25	0.00767	0.00771	1.17E-03	1.22E-03	1.10E-03	1.12E-03	1.06E-03	3.09E-04	3.10E-04	6.19E-04	3.01E-04	3.03E-04	6.04E-04	2.97E-04	2.99E-04	5.96E-04
3181 476863.09, 3846877.25	0.00694	0.00698	1.05E-03	1.11E-03	9.94E-04	1.02E-03	9.60E-04	2.79E-04	2.81E-04	5.60E-04	2.73E-04	2.74E-04	5.47E-04	2.69E-04	2.70E-04	5.39E-04
3182 477363.09, 3846877.25	0.00636	0.00644	9.66E-04	1.02E-03	9.10E-04	9.33E-04	8.80E-04	2.56E-04	2.59E-04	5.15E-04	2.50E-04	2.53E-04	5.03E-04	2.46E-04	2.50E-04	4.96E-04
3183 477863.09, 3846877.25	0.00578	0.00588	8.78E-04	9.31E-04	8.27E-04	8.48E-04	7.99E-04	2.33E-04	2.37E-04	4.69E-04	2.27E-04	2.31E-04	4.58E-04	2.24E-04	2.28E-04	4.52E-04
3184 478363.09, 3846877.25	0.00537	0.00545	8.16E-04	8.63E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.19E-04	4.35E-04	2.11E-04	2.14E-04	4.25E-04	2.08E-04	2.11E-04	4.19E-04
3185 478863.09, 3846877.25	0.0051	0.00515	7.75E-04	8.15E-04	7.30E-04	7.48E-04	7.05E-04	2.05E-04	2.07E-04	4.12E-04	2.00E-04	2.02E-04	4.03E-04	1.98E-04	2.00E-04	3.97E-04
3186 479363.09, 3846877.25	0.00478	0.00483	7.26E-04	7.65E-04	6.84E-04	7.01E-04	6.61E-04	1.92E-04	1.94E-04	3.87E-04	1.88E-04	1.90E-04	3.77E-04	1.85E-04	1.87E-04	3.72E-04
3187 479863.09, 3846877.25	0.00425	0.00429	6.46E-04	6.79E-04	6.08E-04	6.23E-04	5.88E-04	1.71E-04	1.73E-04	3.44E-04	1.67E-04	1.68E-04	3.35E-04	1.65E-04	1.66E-04	3.31E-04
3188 480363.09, 3846877.25	0.00388	0.00391	5.90E-04	6.19E-04	5.55E-04	5.69E-04	5.37E-04	1.56E-04	1.57E-04	3.13E-04	1.52E-04	1.54E-04	3.06E-04	1.50E-04	1.52E-04	3.02E-04
3189 480863.09, 3846877.25	0.00365	0.00368	5.55E-04	5.83E-04	5.23E-04	5.35E-04	5.05E-04	1.47E-04	1.48E-04	2.95E-04	1.43E-04	1.45E-04	2.88E-04	1.41E-04	1.43E-04	2.84E-04
3190 481363.09, 3846877.25	0.0036	0.00364	5.47E-04	5.76E-04	5.15E-04	5.28E-04	4.98E-04	1.45E-04	1.46E-04	2.91E-04	1.41E-04	1.43E-04	2.84E-04	1.39E-04	1.41E-04	2.81E-04
3191 481863.09, 3846877.25	0.00346	0.0035	5.26E-04	5.54E-04	4.95E-04	5.07E-04	4.79E-04	1.39E-04	1.41E-04	2.80E-04	1.36E-04	1.37E-04	2.73E-04	1.34E-04	1.36E-04	2.70E-04
3192 482363.09, 3846877.25	0.00319	0.00323	4.85E-04	5.11E-04	4.57E-04	4.68E-04	4.41E-04	1.28E-04	1.30E-04	2.58E-04	1.25E-04	1.27E-04	2.52E-04	1.24E-04	1.25E-04	2.49E-04
3193 482863.09, 3846877.25	0.00308	0.00312	4.68E-04	4.94E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.26E-04	2.50E-04	1.21E-04	1.23E-04	2.43E-04	1.19E-04	1.21E-04	2.40E-04
3194 483363.09, 3846877.25	0.00299	0.00302	4.54E-04	4.78E-04	4.28E-04	4.38E-04	4.14E-04	1.20E-04	1.22E-04	2.42E-04	1.17E-04	1.19E-04	2.36E-04	1.16E-04	1.17E-04	2.33E-04
3195 483863.09, 3846877.25	0.0029	0.00294	4.41E-04	4.65E-04	4.15E-04	4.25E-04	4.01E-04	1.17E-04	1.18E-04	2.35E-04	1.14E-04	1.15E-04	2.29E-04	1.12E-04	1.14E-04	2.26E-04
3196 484363.09, 3846877.25	0.00286	0.00289	4.35E-04	4.58E-04	4.09E-04	4.19E-04	3.96E-04	1.15E-04	1.16E-04	2.31E-04	1.12E-04	1.13E-04	2.26E-04	1.11E-04	1.12E-04	2.23E-04
3197 484863.09, 3846877.25	0.00277	0.0028	4.21E-04	4.43E-04	3.97E-04	4.06E-04	3.83E-04	1.11E-04	1.13E-04	2.24E-04	1.09E-04	1.10E-04	2.19E-04	1.07E-04	1.08E-04	2.16E-04
3198 485363.09, 3846877.25	0.00274	0.00276	4.16E-04	4.37E-04	3.92E-04	4.02E-04	3.79E-04	1.10E-04	1.11E-04	2.21E-04	1.08E-04	1.08E-04	2.16E-04	1.06E-04	1.07E-04	2.13E-04
3199 485863.09, 3846877.25	0.00263	0.00266	4.00E-04	4.21E-04	3.77E-04	3.86E-04	3.64E-04	1.06E-04	1.07E-04	2.13E-04	1.03E-04	1.04E-04	2.08E-04	1.02E-04	1.03E-04	2.05E-04
3200 486363.09, 3846877.25	0.00264	0.00267	4.01E-04	4.23E-04	3.78E-04	3.87E-04	3.65E-04	1.06E-04	1.07E-04	2.14E-04	1.04E-04	1.05E-04	2.09E-04	1.02E-04	1.03E-04	2.06E-04
3201 486863.09, 3846877.25	0.00244	0.00247	3.71E-04	3.91E-04	3.49E-04	3.58E-04	3.37E-04	9.82E-05	9.94E-05	1.98E-04	9.58E-05	9.70E-05	1.93E-04	9.45E-05	9.57E-05	1.90E-04
3202 487363.09, 3846877.25	0.00243	0.00246	3.69E-04	3.89E-04	3.48E-04	3.56E-04	3.36E-04	9.78E-05	9.90E-05	1.97E-04	9.54E-05	9.66E-05	1.92E-04	9.42E-05	9.53E-05	1.89E-04
3203 487863.09, 3846877.25	0.00239	0.00241	3.63E-04	3.82E-04	3.42E-04	3.50E-04	3.31E-04	9.62E-05	9.70E-05	1.93E-04	9.39E-05	9.46E-05	1.88E-04	9.26E-05	9.34E-05	1.86E-04
3204 488363.09, 3846877.25	0.00232	0.00235	3.53E-04	3.72E-04	3.32E-04	3.40E-04	3.21E-04	9.34E-05	9.46E-05	1.88E-04	9.11E-05	9.23E-05	1.83E-04	8.99E-05	9.11E-05	1.81E-04
3205 488863.09, 3846877.25	0.00229	0.00231	3.48E-04	3.66E-04	3.28E-04	3.36E-04	3.17E-04	9.22E-05	9.30E-05	1.85E-04	8.99E-05	9.07E-05	1.81E-04	8.87E-05	8.95E-05	1.78E-04
3206 489363.09, 3846877.25	0.00226	0.00228	3.43E-04	3.61E-04	3.24E-04	3.31E-04	3.13E-04	9.09E-05	9.18E-05	1.83E-04	8.87E-05	8.95E-05	1.78E-04	8.76E-05	8.83E-05	1.76E-04
3207 489863.09, 3846877.25	0.00218	0.00221	3.31E-04	3.50E-04	3.12E-04	3.20E-04	3.02E-04	8.77E-05	8.89E-05	1.77E-04	8.56E-05	8.68E-05	1.72E-04	8.45E-05	8.56E-05	1.70E-04
3208 490363.09, 3846877.25	0.00203	0.00205	3.08E-04	3.25E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	8.25E-05	1.64E-04	7.97E-05	8.05E-05	1.60E-04	7.87E-05	7.94E-05	1.58E-04
3209 490863.09, 3846877.25	0.00196	0.00198	2.98E-04	3.13E-04	2.81E-04	2.87E-04	2.71E-04	7.89E-05	7.97E-05	1.59E-04	7.70E-05	7.78E-05	1.55E-04	7.59E-05	7.67E-05	1.53E-04
3210 491363.09, 3846877.25	0.00194	0.00196	2.95E-04	3.10E-04	2.78E-04	2.84E-04	2.68E-04	7.81E-05	7.89E-05	1.57E-04	7.62E-05	7.70E-05	1.53E-04	7.52E-05	7.59E-05	1.51E-04
3211 491863.09, 3846877.25	0.00187	0.00189	2.84E-04	2.99E-04	2.68E-04	2.74E-04	2.59E-04	7.53E-05	7.61E-05	1.51E-04	7.34E-05	7.42E-05	1.48E-04	7.25E-05	7.32E-05	1.46E-04
3212 492363.09, 3846877.25	0.00196	0.00198	2.98E-04	3.13E-04	2.81E-04	2.87E-04	2.71E-04	7.89E-05	7.97E-05	1.59E-04	7.70E-05	7.78E-05	1.55E-04	7.59E-05	7.67E-05	1.53E-04
3213 492863.09, 3846877.25	0.00195	0.00197	2.96E-04	3.12E-04	2.79E-04	2.86E-04	2.70E-04	7.85E-05	7.93E-05	1.58E-04	7.66E-05	7.74E-05	1.54E-04	7.56E-05	7.63E-05	1.52E-04
3214 493363.09, 3846877.25	0.00195	0.00198	2.96E-04	3.13E-04	2.79E-04	2.86E-04	2.70E-04	7.85E-05	7.97E-05	1.58E-04	7.66E-05	7.78E-05	1.54E-04	7.56E-05	7.67E-05	1.52E-04
3215 493863.09, 3846877.25	0.00195	0.00197	2.96E-04	3.12E-04	2.79E-04	2.86E-04	2.70E-04	7.85E-05	7.93E-05	1.58E-04	7.66E-05	7.74E-05	1.54E-04	7.56E-05	7.63E-05	1.52E-04
3216 494363.09, 3846877.25	0.00194	0.00196	2.95E-04	3.10E-04	2.78E-04	2.84E-04	2.68E-04	7.81E-05	7.89E-05	1.57E-04	7.62E-05	7.70E-05	1.53E-04	7.52E-05	7.59E-05	1.51E-04
3217 494863.09, 3846877.25	0.00193	0.00195	2.93E-04	3.09E-04	2.76E-04	2.83E-04	2.67E-04	7.77E-05	7.85E-05	1.56E-04	7.58E-05	7.66E-05	1.52E-04	7.48E-05	7.56E-05	1.50E-04
3218 495363.09, 3846877.25	0.00192	0.00194	2.92E-04	3.07E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.81E-05	1.55E-04	7.54E-05	7.62E-05	1.52E-04	7.44E-05	7.52E-05	1.50E-04
3219 495863.09, 3846877.25	0.00191	0.00194	2.90E-04	3.07E-04	2.73E-04	2.80E-04	2.64E-04	7.69E-05	7.81E-05	1.55E-04	7.50E-05	7.62E-05	1.51E-04	7.40E-05	7.52E-05	1.49E-04
3220 496363.09, 3846877.25	0.00191	0.00193	2.90E-04	3.06E-04	2.73E-04	2.80E-04	2.64E-04	7.69E-05	7.77E-05	1.55E-04	7.50E-05	7.58E-05	1.51E-04	7.40E-05	7.48E-05	1.49E-04
3221 496863.09, 3846877.25	0.00192	0.00194	2.92E-04	3.07E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.81E-05	1.55E-04	7.54E-05	7.62E-05	1.52E-04	7.44E-05	7.52E-05	1.50E-04
3222 497363.09, 3846877.25	0.00193	0.00196	2.93E-04	3.10E-04	2.76E-04	2.83E-04	2.67E-04	7.77E-05	7.89E-05	1.57E-04	7.58E-05	7.70E-05	1.53E-04	7.48E-05	7.59E-05	1.51E-04
3223 497863.09, 3846877.25	0.00194	0.00196	2.95E-04	3.10E-04	2.78E-04	2.84E-04	2.68E-04	7.81E-05	7.89E-05	1.57E-04	7.62E-05	7.70E-05	1.53E-04	7.52E-05	7.59E-05	1.51E-04
3224 498363.09, 3846877.25	0.00191	0.00194	2.90E-04	3.07E-04	2.73E-04	2.80E-04	2.64E-04	7.69E-05	7.81E-05	1.55E-04	7.50E-05	7.62E-05	1.51E-04	7.40E-05	7.52E-05	1.49E-04
3225 471363.09, 3847377.25	0.00603	0.00609	9.16E-04	9.64E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	2.45E-04	4.88E-04	2.37E-04	2.39E-04	4.76E-04	2.34E-04	2.36E-04	4.70E-04
3226 471863.09, 3847377.25	0.00823	0.00832	1.25E-03	1.32E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.35E-04	6.66E-04	3.23E-04	3.27E-04	6.50E-04	3.19E-04	3.22E-04	6.41E-04
3227 472363.09, 3847377.25	0.01418	0.01432	2.15E-03	2.27E-03	2.03E-03	2.08E-03	1.96E-03	5.71E-04	5.76E-04	1.15E-03	5.57E-04	5.62E-04	1.12E-03	5.49E-04	5.55E-04	1.10E-03
3228 472863.09, 3847377.25	0.06356	0.06399	9.66E-03	1.01E-02	9.10E-03	9.32E-03	8.79E-03	2.56E-03	2.58E-03	5.13E-03	2.50E-03	2.51E-03	5.01E-03	2.46E-03	2.48E-03	4.94E-03
3229 473363.09, 3847377.25	0.05847	0.05901	8.88E-03	9.34E-03	8.37E-03	8.57E-03	8.09E-03	2.35E-03	2.37E-03	4.73E-03	2.30E-03	2.32E-03	4.61E-03	2.27E-03	2.29E-03	4.55E-03
3230 473863.09, 3847377.25	0.0275	0.02774	4.18E-03	4.39E-03	3.94E-03	4.03E-03	3.80E-03	1.11E-03	1.12E-03	2.22E-03	1.08E-03	1.09E-03	2.17E-03	1.07E-03	1.07E-03	2.14E-03

3231 474363.09, 3847377.25	0.02017	0.02034	3.06E-03	3.22E-03	2.89E-03	2.96E-03	2.79E-03	8.12E-04	8.19E-04	1.63E-03	7.92E-04	7.99E-04	1.59E-03	7.82E-04	7.88E-04	1.57E-03
3232 474863.09, 3847377.25	0.01491	0.01506	2.27E-03	2.38E-03	2.13E-03	2.19E-03	2.06E-03	6.00E-04	6.06E-04	1.21E-03	5.86E-04	5.91E-04	1.18E-03	5.78E-04	5.84E-04	1.16E-03
3233 475363.09, 3847377.25	0.01186	0.01201	1.80E-03	1.90E-03	1.70E-03	1.74E-03	1.64E-03	4.77E-04	4.83E-04	9.61E-04	4.66E-04	4.72E-04	9.37E-04	4.60E-04	4.65E-04	9.25E-04
3234 475863.09, 3847377.25	0.01089	0.01104	1.65E-03	1.75E-03	1.56E-03	1.60E-03	1.51E-03	4.38E-04	4.44E-04	8.83E-04	4.28E-04	4.34E-04	8.61E-04	4.22E-04	4.28E-04	8.50E-04
3235 476363.09, 3847377.25	0.00996	0.01007	1.51E-03	1.59E-03	1.43E-03	1.46E-03	1.38E-03	4.01E-04	4.05E-04	8.06E-04	3.91E-04	3.95E-04	7.87E-04	3.86E-04	3.90E-04	7.76E-04
3236 476863.09, 3847377.25	0.00872	0.00877	1.33E-03	1.39E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	3.53E-04	7.04E-04	3.42E-04	3.44E-04	6.87E-04	3.38E-04	3.40E-04	6.78E-04
3237 477363.09, 3847377.25	0.00789	0.00795	1.20E-03	1.26E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.20E-04	6.37E-04	3.10E-04	3.12E-04	6.22E-04	3.06E-04	3.08E-04	6.14E-04
3238 477863.09, 3847377.25	0.00712	0.00721	1.08E-03	1.14E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.90E-04	5.77E-04	2.80E-04	2.83E-04	5.63E-04	2.76E-04	2.79E-04	5.55E-04
3239 478363.09, 3847377.25	0.00652	0.00663	9.91E-04	1.05E-03	9.33E-04	9.56E-04	9.02E-04	2.62E-04	2.67E-04	5.29E-04	2.56E-04	2.60E-04	5.16E-04	2.53E-04	2.57E-04	5.10E-04
3240 478863.09, 3847377.25	0.00613	0.00621	9.31E-04	9.83E-04	8.78E-04	8.99E-04	8.48E-04	2.47E-04	2.50E-04	4.97E-04	2.41E-04	2.44E-04	4.85E-04	2.38E-04	2.41E-04	4.78E-04
3241 479363.09, 3847377.25	0.00544	0.00549	8.27E-04	8.69E-04	7.79E-04	7.98E-04	7.52E-04	2.19E-04	2.21E-04	4.40E-04	2.14E-04	2.16E-04	4.29E-04	2.11E-04	2.13E-04	4.24E-04
3242 479863.09, 3847377.25	0.00466	0.00471	7.08E-04	7.46E-04	6.67E-04	6.83E-04	6.45E-04	1.88E-04	1.90E-04	3.77E-04	1.83E-04	1.85E-04	3.68E-04	1.81E-04	1.83E-04	3.63E-04
3243 480363.09, 3847377.25	0.00394	0.00396	5.99E-04	6.27E-04	5.64E-04	5.78E-04	5.45E-04	1.59E-04	1.59E-04	3.18E-04	1.55E-04	1.56E-04	3.10E-04	1.53E-04	1.53E-04	3.06E-04
3244 480863.09, 3847377.25	0.00365	0.00367	5.55E-04	5.81E-04	5.23E-04	5.35E-04	5.05E-04	1.47E-04	1.48E-04	2.95E-04	1.43E-04	1.44E-04	2.87E-04	1.41E-04	1.42E-04	2.84E-04
3245 481363.09, 3847377.25	0.0037	0.00373	5.62E-04	5.91E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.50E-04	2.99E-04	1.45E-04	1.46E-04	2.92E-04	1.43E-04	1.45E-04	2.88E-04
3246 481863.09, 3847377.25	0.00391	0.00396	5.94E-04	6.27E-04	5.60E-04	5.73E-04	5.41E-04	1.57E-04	1.59E-04	3.17E-04	1.54E-04	1.56E-04	3.09E-04	1.52E-04	1.53E-04	3.05E-04
3247 482363.09, 3847377.25	0.00376	0.00381	5.71E-04	6.03E-04	5.38E-04	5.51E-04	5.20E-04	1.51E-04	1.53E-04	3.05E-04	1.48E-04	1.50E-04	2.97E-04	1.46E-04	1.48E-04	2.93E-04
3248 482863.09, 3847377.25	0.00356	0.00361	5.41E-04	5.72E-04	5.10E-04	5.22E-04	4.92E-04	1.43E-04	1.45E-04	2.89E-04	1.40E-04	1.42E-04	2.82E-04	1.38E-04	1.40E-04	2.78E-04
3249 483363.09, 3847377.25	0.00339	0.00343	5.15E-04	5.43E-04	4.85E-04	4.97E-04	4.69E-04	1.36E-04	1.38E-04	2.74E-04	1.33E-04	1.35E-04	2.68E-04	1.31E-04	1.33E-04	2.64E-04
3250 483863.09, 3847377.25	0.00329	0.00333	5.00E-04	5.27E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.34E-04	2.66E-04	1.29E-04	1.31E-04	2.60E-04	1.27E-04	1.29E-04	2.57E-04
3251 484363.09, 3847377.25	0.00328	0.00332	4.98E-04	5.26E-04	4.70E-04	4.81E-04	4.54E-04	1.32E-04	1.34E-04	2.66E-04	1.29E-04	1.30E-04	2.59E-04	1.27E-04	1.29E-04	2.56E-04
3252 484863.09, 3847377.25	0.00316	0.0032	4.80E-04	5.07E-04	4.52E-04	4.63E-04	4.37E-04	1.27E-04	1.29E-04	2.56E-04	1.24E-04	1.26E-04	2.50E-04	1.22E-04	1.24E-04	2.46E-04
3253 485363.09, 3847377.25	0.00308	0.00311	4.68E-04	4.92E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.25E-04	2.49E-04	1.21E-04	1.22E-04	2.43E-04	1.19E-04	1.21E-04	2.40E-04
3254 485863.09, 3847377.25	0.00303	0.00307	4.60E-04	4.86E-04	4.34E-04	4.44E-04	4.19E-04	1.22E-04	1.24E-04	2.45E-04	1.19E-04	1.21E-04	2.40E-04	1.17E-04	1.19E-04	2.36E-04
3255 486363.09, 3847377.25	0.00299	0.00302	4.54E-04	4.78E-04	4.28E-04	4.38E-04	4.14E-04	1.20E-04	1.22E-04	2.42E-04	1.17E-04	1.19E-04	2.36E-04	1.16E-04	1.17E-04	2.33E-04
3256 486863.09, 3847377.25	0.00279	0.00282	4.24E-04	4.46E-04	3.99E-04	4.09E-04	3.86E-04	1.12E-04	1.13E-04	2.26E-04	1.10E-04	1.11E-04	2.20E-04	1.08E-04	1.09E-04	2.17E-04
3257 487363.09, 3847377.25	0.00276	0.00279	4.19E-04	4.42E-04	3.95E-04	4.05E-04	3.82E-04	1.11E-04	1.12E-04	2.23E-04	1.08E-04	1.10E-04	2.18E-04	1.07E-04	1.08E-04	2.15E-04
3258 487863.09, 3847377.25	0.00263	0.00266	4.00E-04	4.21E-04	3.77E-04	3.86E-04	3.64E-04	1.06E-04	1.07E-04	2.13E-04	1.03E-04	1.04E-04	2.08E-04	1.02E-04	1.03E-04	2.05E-04
3259 488363.09, 3847377.25	0.00256	0.00258	3.89E-04	4.08E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.04E-04	2.07E-04	1.01E-04	1.01E-04	2.02E-04	9.92E-05	1.00E-04	1.99E-04
3260 488863.09, 3847377.25	0.00251	0.00253	3.81E-04	4.01E-04	3.59E-04	3.68E-04	3.47E-04	1.01E-04	1.02E-04	2.03E-04	9.86E-05	9.94E-05	1.98E-04	9.73E-05	9.80E-05	1.95E-04
3261 489363.09, 3847377.25	0.00246	0.00249	3.74E-04	3.94E-04	3.52E-04	3.61E-04	3.40E-04	9.90E-05	1.00E-04	1.99E-04	9.66E-05	9.78E-05	1.94E-04	9.53E-05	9.65E-05	1.92E-04
3262 489863.09, 3847377.25	0.00235	0.00237	3.57E-04	3.75E-04	3.36E-04	3.45E-04	3.25E-04	9.46E-05	9.54E-05	1.90E-04	9.23E-05	9.31E-05	1.85E-04	9.11E-05	9.18E-05	1.83E-04
3263 490363.09, 3847377.25	0.00224	0.00226	3.40E-04	3.58E-04	3.21E-04	3.28E-04	3.10E-04	9.01E-05	9.09E-05	1.81E-04	8.80E-05	8.87E-05	1.77E-04	8.68E-05	8.76E-05	1.74E-04
3264 490863.09, 3847377.25	0.00219	0.00222	3.33E-04	3.51E-04	3.14E-04	3.21E-04	3.03E-04	8.81E-05	8.93E-05	1.77E-04	8.60E-05	8.72E-05	1.73E-04	8.49E-05	8.60E-05	1.71E-04
3265 491363.09, 3847377.25	0.00214	0.00216	3.25E-04	3.42E-04	3.06E-04	3.14E-04	2.96E-04	8.61E-05	8.69E-05	1.73E-04	8.40E-05	8.48E-05	1.69E-04	8.29E-05	8.37E-05	1.67E-04
3266 491863.09, 3847377.25	0.00216	0.00218	3.28E-04	3.45E-04	3.09E-04	3.17E-04	2.99E-04	8.69E-05	8.77E-05	1.75E-04	8.48E-05	8.56E-05	1.70E-04	8.37E-05	8.45E-05	1.68E-04
3267 492363.09, 3847377.25	0.0021	0.00213	3.19E-04	3.37E-04	3.01E-04	3.08E-04	2.90E-04	8.45E-05	8.57E-05	1.70E-04	8.25E-05	8.36E-05	1.66E-04	8.14E-05	8.25E-05	1.64E-04
3268 492863.09, 3847377.25	0.0021	0.00212	3.19E-04	3.36E-04	3.01E-04	3.08E-04	2.90E-04	8.45E-05	8.53E-05	1.70E-04	8.25E-05	8.33E-05	1.66E-04	8.14E-05	8.21E-05	1.64E-04
3269 493363.09, 3847377.25	0.00208	0.0021	3.16E-04	3.32E-04	2.98E-04	3.05E-04	2.88E-04	8.37E-05	8.45E-05	1.68E-04	8.17E-05	8.25E-05	1.64E-04	8.06E-05	8.14E-05	1.62E-04
3270 493863.09, 3847377.25	0.00203	0.00205	3.08E-04	3.25E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	8.25E-05	1.64E-04	7.97E-05	8.05E-05	1.60E-04	7.87E-05	7.94E-05	1.58E-04
3271 494363.09, 3847377.25	0.00199	0.00201	3.02E-04	3.18E-04	2.85E-04	2.92E-04	2.75E-04	8.01E-05	8.09E-05	1.61E-04	7.81E-05	7.89E-05	1.57E-04	7.71E-05	7.79E-05	1.55E-04
3272 494863.09, 3847377.25	0.00196	0.00199	2.98E-04	3.15E-04	2.81E-04	2.87E-04	2.71E-04	7.89E-05	8.01E-05	1.59E-04	7.70E-05	7.81E-05	1.55E-04	7.59E-05	7.71E-05	1.53E-04
3273 495363.09, 3847377.25	0.00194	0.00197	2.95E-04	3.12E-04	2.78E-04	2.84E-04	2.68E-04	7.81E-05	7.93E-05	1.57E-04	7.62E-05	7.74E-05	1.54E-04	7.52E-05	7.63E-05	1.52E-04
3274 495863.09, 3847377.25	0.00193	0.00196	2.93E-04	3.10E-04	2.76E-04	2.83E-04	2.67E-04	7.77E-05	7.89E-05	1.57E-04	7.58E-05	7.70E-05	1.53E-04	7.48E-05	7.59E-05	1.51E-04
3275 496363.09, 3847377.25	0.00192	0.00195	2.92E-04	3.09E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.85E-05	1.56E-04	7.54E-05	7.66E-05	1.52E-04	7.44E-05	7.56E-05	1.50E-04
3276 496863.09, 3847377.25	0.00194	0.00196	2.95E-04	3.10E-04	2.78E-04	2.84E-04	2.68E-04	7.81E-05	7.89E-05	1.57E-04	7.62E-05	7.70E-05	1.53E-04	7.52E-05	7.59E-05	1.51E-04
3277 497363.09, 3847377.25	0.00196	0.00199	2.98E-04	3.15E-04	2.81E-04	2.87E-04	2.71E-04	7.89E-05	8.01E-05	1.59E-04	7.70E-05	7.81E-05	1.55E-04	7.59E-05	7.71E-05	1.53E-04
3278 497863.09, 3847377.25	0.002	0.00203	3.04E-04	3.21E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.17E-05	1.62E-04	7.85E-05	7.97E-05	1.58E-04	7.75E-05	7.87E-05	1.56E-04
3279 498363.09, 3847377.25	0.00199	0.00202	3.02E-04	3.20E-04	2.85E-04	2.92E-04	2.75E-04	8.01E-05	8.13E-05	1.61E-04	7.81E-05	7.93E-05	1.57E-04	7.71E-05	7.83E-05	1.55E-04
3280 471363.09, 3847877.25	0.00476	0.00479	7.23E-04	7.58E-04	6.81E-04	6.98E-04	6.58E-04	1.92E-04	1.93E-04	3.84E-04	1.87E-04	1.88E-04	3.75E-04	1.84E-04	1.86E-04	3.70E-04
3281 471863.09, 3847877.25	0.00577	0.00581	8.77E-04	9.20E-04	8.26E-04	8.46E-04	7.98E-04	2.32E-04	2.34E-04	4.66E-04	2.27E-04	2.28E-04	4.55E-04	2.24E-04	2.25E-04	4.49E-04
3282 472363.09, 3847877.25	0.00756	0.00763	1.15E-03	1.21E-03	1.08E-03	1.11E-03	1.05E-03	3.04E-04	3.07E-04	6.11E-04	2.97E-04	3.00E-04	5.97E-04	2.93E-04	2.96E-04	5.89E-04
3283 472863.09, 3847877.25	0.0112	0.01131	1.70E-03	1.79E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	4.55E-04	9.06E-04	4.40E-04	4.44E-04	8.84E-04	4.34E-04	4.38E-04	8.72E-04
3284 473363.09, 3847877.25	0.02219	0.02232	3.37E-03	3.53E-03	3.18E-03	3.25E-03	3.07E-03	8.93E-04	8.98E-04	1.79E-03	8.71E-04	8.77E-04	1.75E-03	8.60E-04	8.65E-04	1.72E-03
3285 473863.09, 3847877.25	0.39222	0.38902	5.96E-02	6.16E-02	5.62E-02	5.75E-02	5.42E-02	1.58E-02	1.57E-02	3.14E-02	1.54E-02	1.53E-02	3.07E-02	1.52E-02	1.51E-02	3.03E-02
3286 474363.09, 3847877.25	0.04217	0.04266	6.41E-03	6.75E-03	6.04E-03	6.18E-03	5.83E-03	1.70E-03	1.72E-03	3.41E-03	1.66E-03	1.68E-03	3.33E-03	1.63E-03	1.65E-03	3.29E-03
3287 474863.09, 3847877.25	0.0256	0.0258	3.89E-03	4.08E-03	3.66E-03	3.75E-03	3.54E-03	1.03E-03	1.04E-03	2.07E-03	1.01E-03	1.01E-03	2.02E-03	9.92E-04	1.00E-03	1.99E-03
3288 475363.09, 3847877.25	0.01717	0.01732	2.61E-03	2.74E-03	2.46E-03	2.52E-03	2.37E-03	6.91E-04	6.97E-04	1.39E-03	6.74E-04	6.80E-04	1.35E-03	6.65E-04	6.71E-04	1.34E-03
3289 475863.09, 3847877.25	0.01319	0.01334	2.00E-03	2.11E-03	1.89E-03	1.93E-03	1.82E-03	5.31E-04	5.37E-04	1.07E-03	5.18E-04	5.24E-04	1.04E-03	5.11E-04	5.17E-04	1.03E-03
3290 476363.09, 3847877.25	0.01256	0.01272	1.91E-03	2.01E-03	1.80E-03	1.84E-03	1.74E-03	5.05E-04	5.12E-04	1.02E-03	4.93E-04	5.00E-04	9.93E-04	4.87E-04	4.93E-04	9.80E-04
3291 476863.09, 3847877.25	0.01099	0.0111	1.67E-03	1.76E-03	1.57E-03	1.61E-03	1.52E-03	4.42E-04	4.47E-04	8.89E-04	4.32E-04	4.36E-04	8.67E-04	4.26E-04	4.30E-04	8.56E-04
3292 477363.09, 3847877.25	0.00974	0.00979	1.48E-03	1.55E-03	1.39E-03	1.43E-03	1.35E-03	3.92E-04	3.94E-04	7.86E-04	3.82E-04	3.84E-04	7.67E-04	3.77E-04	3.79E-04	7.57E-04
3293 477863.09, 3847877.25	0.00881	0.00888	1.34E-03	1.41E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.57E-04	7.12E-04	3.46E-04	3.49E-04	6.95E-04	3.41E-04	3.44E-04	6.85E-04
3294 478363.09, 3847877.25	0.00797	0.00807	1.21E-03	1.28E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.25E-04	6.46E-04	3.13E-04	3.17E-04	6.30E-04	3.09E-04	3.13E-04	6.22E-04
3295 478863.09, 3847877.25	0.00733	0.00745	1.11E-03	1.18E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	3.00E-04	5.95E-04	2.88E-04	2.93E-04	5.80E-04	2.84E-04	2.89E-04	5.73E-04
3296 479363.09, 3847877.25	0.00615	0.00622	9.35E-04	9.85E-04	8.80E-04	9.02E-04	8.51E-04	2.47E-04	2.50E-04	4.98E-04	2.42E-04	2.44E-04	4.86E-04	2.38E-04	2.41E-04	4.79E-04

3297 479863.09, 3847877.25	0.00478	0.00482	7.26E-04	7.63E-04	6.84E-04	7.01E-04	6.61E-04	1.92E-04	1.94E-04	3.86E-04	1.88E-04	1.89E-04	3.77E-04	1.85E-04	1.87E-04	3.72E-04
3298 480363.09, 3847877.25	0.0047	0.00474	7.14E-04	7.50E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.91E-04	3.80E-04	1.85E-04	1.86E-04	3.71E-04	1.82E-04	1.84E-04	3.66E-04
3299 480863.09, 3847877.25	0.00433	0.00436	6.58E-04	6.90E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.75E-04	3.50E-04	1.70E-04	1.71E-04	3.41E-04	1.68E-04	1.69E-04	3.37E-04
3300 481363.09, 3847877.25	0.00421	0.00424	6.40E-04	6.71E-04	6.03E-04	6.17E-04	5.82E-04	1.69E-04	1.71E-04	3.40E-04	1.65E-04	1.67E-04	3.32E-04	1.63E-04	1.64E-04	3.27E-04
3301 481863.09, 3847877.25	0.00458	0.00464	6.96E-04	7.35E-04	6.56E-04	6.72E-04	6.33E-04	1.84E-04	1.87E-04	3.71E-04	1.80E-04	1.82E-04	3.62E-04	1.77E-04	1.80E-04	3.57E-04
3302 482363.09, 3847877.25	0.00433	0.00439	6.58E-04	6.95E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.77E-04	3.51E-04	1.70E-04	1.72E-04	3.42E-04	1.68E-04	1.70E-04	3.38E-04
3303 482863.09, 3847877.25	0.00405	0.0041	6.15E-04	6.49E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.65E-04	3.28E-04	1.59E-04	1.61E-04	3.20E-04	1.57E-04	1.59E-04	3.16E-04
3304 483363.09, 3847877.25	0.00385	0.0039	5.85E-04	6.17E-04	5.51E-04	5.65E-04	5.32E-04	1.55E-04	1.57E-04	3.12E-04	1.51E-04	1.53E-04	3.04E-04	1.49E-04	1.51E-04	3.00E-04
3305 483863.09, 3847877.25	0.00374	0.00379	5.68E-04	6.00E-04	5.35E-04	5.48E-04	5.17E-04	1.51E-04	1.53E-04	3.03E-04	1.47E-04	1.49E-04	2.96E-04	1.45E-04	1.47E-04	2.92E-04
3306 484363.09, 3847877.25	0.0037	0.00375	5.62E-04	5.94E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.51E-04	3.00E-04	1.45E-04	1.47E-04	2.93E-04	1.43E-04	1.45E-04	2.89E-04
3307 484863.09, 3847877.25	0.00358	0.00363	5.44E-04	5.75E-04	5.13E-04	5.25E-04	4.95E-04	1.44E-04	1.46E-04	2.90E-04	1.41E-04	1.43E-04	2.83E-04	1.39E-04	1.41E-04	2.79E-04
3308 485363.09, 3847877.25	0.00352	0.00356	5.35E-04	5.64E-04	5.04E-04	5.16E-04	4.87E-04	1.42E-04	1.43E-04	2.85E-04	1.38E-04	1.40E-04	2.78E-04	1.36E-04	1.38E-04	2.74E-04
3309 485863.09, 3847877.25	0.00345	0.00349	5.24E-04	5.53E-04	4.94E-04	5.06E-04	4.77E-04	1.39E-04	1.40E-04	2.79E-04	1.35E-04	1.37E-04	2.73E-04	1.34E-04	1.35E-04	2.69E-04
3310 486363.09, 3847877.25	0.00328	0.00332	4.98E-04	5.26E-04	4.70E-04	4.81E-04	4.54E-04	1.32E-04	1.34E-04	2.66E-04	1.29E-04	1.30E-04	2.59E-04	1.27E-04	1.29E-04	2.56E-04
3311 486863.09, 3847877.25	0.00314	0.00318	4.77E-04	5.03E-04	4.50E-04	4.60E-04	4.34E-04	1.26E-04	1.28E-04	2.54E-04	1.23E-04	1.25E-04	2.48E-04	1.22E-04	1.23E-04	2.45E-04
3312 487363.09, 3847877.25	0.00303	0.00307	4.60E-04	4.86E-04	4.34E-04	4.44E-04	4.19E-04	1.22E-04	1.24E-04	2.45E-04	1.19E-04	1.21E-04	2.40E-04	1.17E-04	1.19E-04	2.36E-04
3313 487863.09, 3847877.25	0.00289	0.00292	4.39E-04	4.62E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.18E-04	2.34E-04	1.13E-04	1.15E-04	2.28E-04	1.12E-04	1.13E-04	2.25E-04
3314 488363.09, 3847877.25	0.0028	0.00283	4.25E-04	4.48E-04	4.01E-04	4.11E-04	3.87E-04	1.13E-04	1.14E-04	2.27E-04	1.10E-04	1.11E-04	2.21E-04	1.08E-04	1.10E-04	2.18E-04
3315 488863.09, 3847877.25	0.00274	0.00277	4.16E-04	4.39E-04	3.92E-04	4.02E-04	3.79E-04	1.10E-04	1.11E-04	2.22E-04	1.08E-04	1.09E-04	2.16E-04	1.06E-04	1.07E-04	2.14E-04
3316 489363.09, 3847877.25	0.00268	0.00271	4.07E-04	4.29E-04	3.84E-04	3.93E-04	3.71E-04	1.08E-04	1.09E-04	2.17E-04	1.05E-04	1.06E-04	2.12E-04	1.04E-04	1.05E-04	2.09E-04
3317 489863.09, 3847877.25	0.00266	0.00269	4.04E-04	4.26E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.08E-04	2.15E-04	1.04E-04	1.06E-04	2.10E-04	1.03E-04	1.04E-04	2.07E-04
3318 490363.09, 3847877.25	0.00258	0.00262	3.92E-04	4.15E-04	3.69E-04	3.78E-04	3.57E-04	1.04E-04	1.05E-04	2.09E-04	1.01E-04	1.03E-04	2.04E-04	1.00E-04	1.02E-04	2.01E-04
3319 490863.09, 3847877.25	0.00249	0.00252	3.78E-04	3.99E-04	3.56E-04	3.65E-04	3.44E-04	1.00E-04	1.01E-04	2.02E-04	9.78E-05	9.90E-05	1.97E-04	9.65E-05	9.76E-05	1.94E-04
3320 491363.09, 3847877.25	0.00236	0.00239	3.59E-04	3.78E-04	3.38E-04	3.46E-04	3.26E-04	9.50E-05	9.62E-05	1.91E-04	9.27E-05	9.39E-05	1.87E-04	9.14E-05	9.26E-05	1.84E-04
3321 491863.09, 3847877.25	0.00231	0.00234	3.51E-04	3.70E-04	3.31E-04	3.39E-04	3.19E-04	9.30E-05	9.42E-05	1.87E-04	9.07E-05	9.19E-05	1.83E-04	8.95E-05	9.07E-05	1.80E-04
3322 492363.09, 3847877.25	0.00227	0.0023	3.45E-04	3.64E-04	3.25E-04	3.33E-04	3.14E-04	9.14E-05	9.26E-05	1.84E-04	8.91E-05	9.03E-05	1.79E-04	8.80E-05	8.91E-05	1.77E-04
3323 492863.09, 3847877.25	0.00223	0.00225	3.39E-04	3.56E-04	3.19E-04	3.27E-04	3.08E-04	8.97E-05	9.05E-05	1.80E-04	8.76E-05	8.84E-05	1.76E-04	8.64E-05	8.72E-05	1.74E-04
3324 493363.09, 3847877.25	0.00213	0.00215	3.24E-04	3.40E-04	3.05E-04	3.12E-04	2.95E-04	8.57E-05	8.65E-05	1.72E-04	8.36E-05	8.44E-05	1.68E-04	8.25E-05	8.33E-05	1.66E-04
3325 493863.09, 3847877.25	0.00206	0.00208	3.13E-04	3.29E-04	2.95E-04	3.02E-04	2.85E-04	8.29E-05	8.37E-05	1.67E-04	8.09E-05	8.17E-05	1.63E-04	7.98E-05	8.06E-05	1.60E-04
3326 494363.09, 3847877.25	0.00201	0.00204	3.05E-04	3.23E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	8.21E-05	1.63E-04	7.89E-05	8.01E-05	1.59E-04	7.79E-05	7.90E-05	1.57E-04
3327 494863.09, 3847877.25	0.00199	0.00202	3.02E-04	3.20E-04	2.85E-04	2.92E-04	2.75E-04	8.01E-05	8.13E-05	1.61E-04	7.81E-05	7.93E-05	1.57E-04	7.71E-05	7.83E-05	1.55E-04
3328 495363.09, 3847877.25	0.00194	0.00197	2.95E-04	3.12E-04	2.78E-04	2.84E-04	2.68E-04	7.81E-05	7.93E-05	1.57E-04	7.62E-05	7.74E-05	1.54E-04	7.52E-05	7.63E-05	1.52E-04
3329 495863.09, 3847877.25	0.00182	0.00184	2.77E-04	2.91E-04	2.61E-04	2.67E-04	2.52E-04	7.32E-05	7.40E-05	1.47E-04	7.15E-05	7.23E-05	1.44E-04	7.05E-05	7.13E-05	1.42E-04
3330 496363.09, 3847877.25	0.00192	0.00195	2.92E-04	3.09E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.85E-05	1.56E-04	7.54E-05	7.66E-05	1.52E-04	7.44E-05	7.56E-05	1.50E-04
3331 496863.09, 3847877.25	0.00194	0.00197	2.95E-04	3.12E-04	2.78E-04	2.84E-04	2.68E-04	7.81E-05	7.93E-05	1.57E-04	7.62E-05	7.74E-05	1.54E-04	7.52E-05	7.63E-05	1.52E-04
3332 497363.09, 3847877.25	0.00197	0.002	2.99E-04	3.17E-04	2.82E-04	2.89E-04	2.72E-04	7.93E-05	8.05E-05	1.60E-04	7.74E-05	7.85E-05	1.56E-04	7.63E-05	7.75E-05	1.54E-04
3333 497863.09, 3847877.25	0.00206	0.0021	3.13E-04	3.32E-04	2.95E-04	3.02E-04	2.85E-04	8.29E-05	8.45E-05	1.67E-04	8.09E-05	8.25E-05	1.63E-04	7.98E-05	8.14E-05	1.61E-04
3334 498363.09, 3847877.25	0.00207	0.00211	3.15E-04	3.34E-04	2.96E-04	3.04E-04	2.86E-04	8.33E-05	8.49E-05	1.68E-04	8.13E-05	8.29E-05	1.64E-04	8.02E-05	8.18E-05	1.62E-04
3335 471363.09, 3848377.25	0.00405	0.00408	6.15E-04	6.46E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.64E-04	3.27E-04	1.59E-04	1.60E-04	3.19E-04	1.57E-04	1.58E-04	3.15E-04
3336 471863.09, 3848377.25	0.00469	0.00472	7.13E-04	7.47E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	1.90E-04	3.79E-04	1.84E-04	1.85E-04	3.70E-04	1.82E-04	1.83E-04	3.65E-04
3337 472363.09, 3848377.25	0.0056	0.00563	8.51E-04	8.91E-04	8.02E-04	8.21E-04	7.75E-04	2.25E-04	2.27E-04	4.52E-04	2.20E-04	2.21E-04	4.41E-04	2.17E-04	2.18E-04	4.35E-04
3338 472863.09, 3848377.25	0.00697	0.00703	1.06E-03	1.11E-03	9.98E-04	1.02E-03	9.64E-04	2.80E-04	2.83E-04	5.63E-04	2.74E-04	2.76E-04	5.50E-04	2.70E-04	2.72E-04	5.42E-04
3339 473363.09, 3848377.25	0.0094	0.0095	1.43E-03	1.50E-03	1.35E-03	1.38E-03	1.30E-03	3.78E-04	3.82E-04	7.61E-04	3.69E-04	3.73E-04	7.42E-04	3.64E-04	3.68E-04	7.32E-04
3340 473863.09, 3848377.25	0.01528	0.01542	2.32E-03	2.44E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	6.21E-04	1.24E-03	6.00E-04	6.06E-04	1.21E-03	5.92E-04	5.98E-04	1.19E-03
3341 474363.09, 3848377.25	0.06777	0.06828	1.03E-02	1.08E-02	9.70E-03	9.94E-03	9.37E-03	2.73E-03	2.75E-03	5.48E-03	2.66E-03	2.68E-03	5.34E-03	2.63E-03	2.65E-03	5.27E-03
3342 474863.09, 3848377.25	0.05458	0.055	8.29E-03	8.71E-03	7.81E-03	8.00E-03	7.55E-03	2.20E-03	2.21E-03	4.41E-03	2.14E-03	2.16E-03	4.30E-03	2.11E-03	2.13E-03	4.25E-03
3343 475363.09, 3848377.25	0.0306	0.03081	4.65E-03	4.88E-03	4.38E-03	4.49E-03	4.23E-03	1.23E-03	1.24E-03	2.47E-03	1.20E-03	1.21E-03	2.41E-03	1.19E-03	1.19E-03	2.38E-03
3344 475863.09, 3848377.25	0.01973	0.01987	3.00E-03	3.15E-03	2.82E-03	2.89E-03	2.73E-03	7.94E-04	8.00E-04	1.59E-03	7.75E-04	7.80E-04	1.56E-03	7.65E-04	7.70E-04	1.53E-03
3345 476363.09, 3848377.25	0.0148	0.01496	2.25E-03	2.37E-03	2.12E-03	2.17E-03	2.05E-03	5.96E-04	6.02E-04	1.20E-03	5.81E-04	5.87E-04	1.17E-03	5.73E-04	5.80E-04	1.15E-03
3346 476863.09, 3848377.25	0.01439	0.01457	2.19E-03	2.31E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	5.86E-04	1.17E-03	5.65E-04	5.72E-04	1.14E-03	5.58E-04	5.65E-04	1.12E-03
3347 477363.09, 3848377.25	0.01265	0.01278	1.92E-03	2.02E-03	1.81E-03	1.85E-03	1.75E-03	5.09E-04	5.14E-04	1.02E-03	4.97E-04	5.02E-04	9.99E-04	4.90E-04	4.95E-04	9.85E-04
3348 477863.09, 3848377.25	0.01141	0.01146	1.73E-03	1.81E-03	1.63E-03	1.67E-03	1.58E-03	4.59E-04	4.61E-04	9.20E-04	4.48E-04	4.50E-04	8.98E-04	4.42E-04	4.44E-04	8.86E-04
3349 478363.09, 3848377.25	0.01026	0.01035	1.56E-03	1.64E-03	1.47E-03	1.50E-03	1.42E-03	4.13E-04	4.17E-04	8.29E-04	4.03E-04	4.06E-04	8.09E-04	3.98E-04	4.01E-04	7.99E-04
3350 478863.09, 3848377.25	0.00907	0.00919	1.38E-03	1.46E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.70E-04	7.35E-04	3.56E-04	3.61E-04	7.17E-04	3.51E-04	3.56E-04	7.08E-04
3351 479363.09, 3848377.25	0.00753	0.00764	1.14E-03	1.21E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	3.07E-04	6.10E-04	2.96E-04	3.00E-04	5.96E-04	2.92E-04	2.96E-04	5.88E-04
3352 479863.09, 3848377.25	0.00472	0.00476	7.17E-04	7.54E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.92E-04	3.82E-04	1.85E-04	1.87E-04	3.72E-04	1.83E-04	1.84E-04	3.67E-04
3353 480363.09, 3848377.25	0.00529	0.00534	8.04E-04	8.45E-04	7.57E-04	7.76E-04	7.32E-04	2.13E-04	2.15E-04	4.28E-04	2.08E-04	2.10E-04	4.17E-04	2.05E-04	2.07E-04	4.12E-04
3354 480863.09, 3848377.25	0.00578	0.00583	8.78E-04	9.23E-04	8.27E-04	8.48E-04	7.99E-04	2.33E-04	2.35E-04	4.67E-04	2.27E-04	2.29E-04	4.56E-04	2.24E-04	2.26E-04	4.50E-04
3355 481363.09, 3848377.25	0.00552	0.00557	8.39E-04	8.82E-04	7.90E-04	8.09E-04	7.63E-04	2.22E-04	2.24E-04	4.46E-04	2.17E-04	2.19E-04	4.36E-04	2.14E-04	2.16E-04	4.30E-04
3356 481863.09, 3848377.25	0.00533	0.0054	8.10E-04	8.55E-04	7.63E-04	7.82E-04	7.37E-04	2.14E-04	2.17E-04	4.32E-04	2.09E-04	2.12E-04	4.21E-04	2.07E-04	2.09E-04	4.16E-04
3357 482363.09, 3848377.25	0.0051	0.00518	7.75E-04	8.20E-04	7.30E-04	7.48E-04	7.05E-04	2.05E-04	2.08E-04	4.14E-04	2.00E-04	2.03E-04	4.04E-04	1.98E-04	2.01E-04	3.98E-04
3358 482863.09, 3848377.25	0.00469	0.00476	7.13E-04	7.54E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	1.92E-04	3.80E-04	1.84E-04	1.87E-04	3.71E-04	1.82E-04	1.84E-04	3.66E-04
3359 483363.09, 3848377.25	0.00446	0.00453	6.78E-04	7.17E-04	6.38E-04	6.54E-04	6.17E-04	1.79E-04	1.82E-04	3.62E-04	1.75E-04	1.78E-04	3.53E-04	1.73E-04	1.76E-04	3.48E-04
3360 483863.09, 3848377.25	0.00418	0.00424	6.35E-04	6.71E-04	5.98E-04	6.13E-04	5.78E-04	1.68E-04	1.71E-04	3.39E-04	1.64E-04	1.67E-04	3.31E-04	1.62E-04	1.64E-04	3.26E-04
3361 484363.09, 3848377.25	0.00407	0.00413	6.18E-04	6.54E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.66E-04	3.30E-04	1.60E-04	1.62E-04	3.22E-04	1.58E-04	1.60E-04	3.18E-04
3362 484863.09, 3848377.25	0.00407	0.00412	6.18E-04	6.52E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.66E-04	3.30E-04	1.60E-04	1.62E-04	3.22E-04	1.58E-04	1.60E-04	3.17E-04

3363 485363.09, 3848377.25	0.00393	0.00398	5.97E-04	6.30E-04	5.63E-04	5.76E-04	5.44E-04	1.58E-04	1.60E-04	3.18E-04	1.54E-04	1.56E-04	3.11E-04	1.52E-04	1.54E-04	3.07E-04
3364 485863.09, 3848377.25	0.00382	0.00386	5.80E-04	6.11E-04	5.47E-04	5.60E-04	5.28E-04	1.54E-04	1.55E-04	3.09E-04	1.50E-04	1.52E-04	3.02E-04	1.48E-04	1.50E-04	2.98E-04
3365 486363.09, 3848377.25	0.00365	0.00369	5.55E-04	5.84E-04	5.23E-04	5.35E-04	5.05E-04	1.47E-04	1.48E-04	2.95E-04	1.43E-04	1.45E-04	2.88E-04	1.41E-04	1.43E-04	2.84E-04
3366 486863.09, 3848377.25	0.00347	0.00351	5.27E-04	5.56E-04	4.97E-04	5.09E-04	4.80E-04	1.40E-04	1.41E-04	2.81E-04	1.36E-04	1.38E-04	2.74E-04	1.34E-04	1.36E-04	2.70E-04
3367 487363.09, 3848377.25	0.00326	0.0033	4.95E-04	5.22E-04	4.67E-04	4.78E-04	4.51E-04	1.31E-04	1.33E-04	2.64E-04	1.28E-04	1.30E-04	2.58E-04	1.26E-04	1.28E-04	2.54E-04
3368 487863.09, 3848377.25	0.00316	0.0032	4.80E-04	5.07E-04	4.52E-04	4.63E-04	4.37E-04	1.27E-04	1.29E-04	2.56E-04	1.24E-04	1.26E-04	2.50E-04	1.22E-04	1.24E-04	2.46E-04
3369 488363.09, 3848377.25	0.00306	0.0031	4.65E-04	4.91E-04	4.38E-04	4.49E-04	4.23E-04	1.23E-04	1.25E-04	2.48E-04	1.20E-04	1.22E-04	2.42E-04	1.19E-04	1.20E-04	2.39E-04
3370 488863.09, 3848377.25	0.00297	0.00301	4.51E-04	4.77E-04	4.25E-04	4.35E-04	4.11E-04	1.20E-04	1.21E-04	2.41E-04	1.17E-04	1.18E-04	2.35E-04	1.15E-04	1.17E-04	2.32E-04
3371 489363.09, 3848377.25	0.00291	0.00295	4.42E-04	4.67E-04	4.17E-04	4.27E-04	4.02E-04	1.17E-04	1.19E-04	2.36E-04	1.14E-04	1.16E-04	2.30E-04	1.13E-04	1.14E-04	2.27E-04
3372 489863.09, 3848377.25	0.00289	0.00293	4.39E-04	4.64E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.18E-04	2.34E-04	1.13E-04	1.15E-04	2.29E-04	1.12E-04	1.14E-04	2.26E-04
3373 490363.09, 3848377.25	0.0028	0.00284	4.25E-04	4.50E-04	4.01E-04	4.11E-04	3.87E-04	1.13E-04	1.14E-04	2.27E-04	1.10E-04	1.12E-04	2.21E-04	1.08E-04	1.10E-04	2.19E-04
3374 490863.09, 3848377.25	0.00267	0.00271	4.06E-04	4.29E-04	3.82E-04	3.91E-04	3.69E-04	1.07E-04	1.09E-04	2.17E-04	1.05E-04	1.06E-04	2.11E-04	1.03E-04	1.05E-04	2.08E-04
3375 491363.09, 3848377.25	0.00256	0.00259	3.89E-04	4.10E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.04E-04	2.07E-04	1.01E-04	1.02E-04	2.02E-04	9.92E-05	1.00E-04	2.00E-04
3376 491863.09, 3848377.25	0.00248	0.00251	3.77E-04	3.97E-04	3.55E-04	3.64E-04	3.43E-04	9.98E-05	1.01E-04	2.01E-04	9.74E-05	9.86E-05	1.96E-04	9.61E-05	9.73E-05	1.93E-04
3377 492363.09, 3848377.25	0.00235	0.00238	3.57E-04	3.77E-04	3.36E-04	3.45E-04	3.25E-04	9.46E-05	9.58E-05	1.90E-04	9.23E-05	9.35E-05	1.86E-04	9.11E-05	9.22E-05	1.83E-04
3378 492863.09, 3848377.25	0.00222	0.00225	3.37E-04	3.56E-04	3.18E-04	3.26E-04	3.07E-04	8.93E-05	9.05E-05	1.80E-04	8.72E-05	8.84E-05	1.76E-04	8.60E-05	8.72E-05	1.73E-04
3379 493363.09, 3848377.25	0.00215	0.00218	3.27E-04	3.45E-04	3.08E-04	3.15E-04	2.97E-04	8.65E-05	8.77E-05	1.74E-04	8.44E-05	8.56E-05	1.70E-04	8.33E-05	8.45E-05	1.68E-04
3380 493863.09, 3848377.25	0.00207	0.0021	3.15E-04	3.32E-04	2.96E-04	3.04E-04	2.86E-04	8.33E-05	8.45E-05	1.68E-04	8.13E-05	8.25E-05	1.64E-04	8.02E-05	8.14E-05	1.62E-04
3381 494363.09, 3848377.25	0.00201	0.00204	3.05E-04	3.23E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	8.21E-05	1.63E-04	7.89E-05	8.01E-05	1.59E-04	7.79E-05	7.90E-05	1.57E-04
3382 494863.09, 3848377.25	0.00199	0.00203	3.02E-04	3.21E-04	2.85E-04	2.92E-04	2.75E-04	8.01E-05	8.17E-05	1.62E-04	7.81E-05	7.97E-05	1.58E-04	7.71E-05	7.87E-05	1.56E-04
3383 495363.09, 3848377.25	0.0019	0.00193	2.89E-04	3.06E-04	2.72E-04	2.79E-04	2.63E-04	7.65E-05	7.77E-05	1.54E-04	7.46E-05	7.58E-05	1.50E-04	7.36E-05	7.48E-05	1.48E-04
3384 495863.09, 3848377.25	0.00186	0.0019	2.83E-04	3.01E-04	2.66E-04	2.73E-04	2.57E-04	7.49E-05	7.65E-05	1.51E-04	7.30E-05	7.46E-05	1.48E-04	7.21E-05	7.36E-05	1.46E-04
3385 496363.09, 3848377.25	0.0019	0.00193	2.89E-04	3.06E-04	2.72E-04	2.79E-04	2.63E-04	7.65E-05	7.77E-05	1.54E-04	7.46E-05	7.58E-05	1.50E-04	7.36E-05	7.48E-05	1.48E-04
3386 496863.09, 3848377.25	0.00185	0.00189	2.81E-04	2.99E-04	2.65E-04	2.71E-04	2.56E-04	7.44E-05	7.61E-05	1.51E-04	7.26E-05	7.42E-05	1.47E-04	7.17E-05	7.32E-05	1.45E-04
3387 497363.09, 3848377.25	0.00192	0.00196	2.92E-04	3.10E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.89E-05	1.56E-04	7.54E-05	7.70E-05	1.52E-04	7.44E-05	7.59E-05	1.50E-04
3388 497863.09, 3848377.25	0.00214	0.00218	3.25E-04	3.45E-04	3.06E-04	3.14E-04	2.96E-04	8.61E-05	8.77E-05	1.74E-04	8.40E-05	8.56E-05	1.70E-04	8.29E-05	8.45E-05	1.67E-04
3389 498363.09, 3848377.25	0.00213	0.00217	3.24E-04	3.44E-04	3.05E-04	3.12E-04	2.95E-04	8.57E-05	8.73E-05	1.73E-04	8.36E-05	8.52E-05	1.69E-04	8.25E-05	8.41E-05	1.67E-04
3390 471363.09, 3848877.25	0.00355	0.00358	5.39E-04	5.67E-04	5.08E-04	5.21E-04	4.91E-04	1.43E-04	1.44E-04	2.87E-04	1.39E-04	1.41E-04	2.80E-04	1.38E-04	1.39E-04	2.76E-04
3391 471863.09, 3848877.25	0.00395	0.00398	6.00E-04	6.30E-04	5.65E-04	5.79E-04	5.46E-04	1.59E-04	1.60E-04	3.19E-04	1.55E-04	1.56E-04	3.11E-04	1.53E-04	1.54E-04	3.07E-04
3392 472363.09, 3848877.25	0.00449	0.00452	6.82E-04	7.16E-04	6.43E-04	6.58E-04	6.21E-04	1.81E-04	1.82E-04	3.63E-04	1.76E-04	1.77E-04	3.54E-04	1.74E-04	1.75E-04	3.49E-04
3393 472863.09, 3848877.25	0.00527	0.0053	8.01E-04	8.39E-04	7.54E-04	7.73E-04	7.29E-04	2.12E-04	2.13E-04	4.25E-04	2.07E-04	2.08E-04	4.15E-04	2.04E-04	2.05E-04	4.10E-04
3394 473363.09, 3848877.25	0.00644	0.00649	9.79E-04	1.03E-03	9.22E-04	9.44E-04	8.91E-04	2.59E-04	2.61E-04	5.20E-04	2.53E-04	2.55E-04	5.08E-04	2.50E-04	2.51E-04	5.01E-04
3395 473863.09, 3848877.25	0.00853	0.00862	1.30E-03	1.36E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.47E-04	6.90E-04	3.35E-04	3.39E-04	6.73E-04	3.31E-04	3.34E-04	6.65E-04
3396 474363.09, 3848877.25	0.01325	0.01339	2.01E-03	2.12E-03	1.90E-03	1.94E-03	1.83E-03	5.33E-04	5.39E-04	1.07E-03	5.20E-04	5.26E-04	1.05E-03	5.13E-04	5.19E-04	1.03E-03
3397 474863.09, 3848877.25	0.04274	0.04313	6.49E-03	6.83E-03	6.12E-03	6.27E-03	5.91E-03	1.72E-03	1.74E-03	3.46E-03	1.68E-03	1.69E-03	3.37E-03	1.66E-03	1.67E-03	3.33E-03
3398 475363.09, 3848877.25	0.09208	0.09281	1.40E-02	1.47E-02	1.32E-02	1.35E-02	1.27E-02	3.71E-03	3.73E-03	7.44E-03	3.62E-03	3.64E-03	7.26E-03	3.57E-03	3.60E-03	7.16E-03
3399 475863.09, 3848877.25	0.04496	0.04532	6.83E-03	7.18E-03	6.44E-03	6.59E-03	6.22E-03	1.81E-03	1.82E-03	3.63E-03	1.77E-03	1.78E-03	3.55E-03	1.74E-03	1.76E-03	3.50E-03
3400 476363.09, 3848877.25	0.0315	0.03174	4.79E-03	5.03E-03	4.51E-03	4.62E-03	4.36E-03	1.27E-03	1.28E-03	2.54E-03	1.24E-03	1.25E-03	2.48E-03	1.22E-03	1.23E-03	2.45E-03
3401 476863.09, 3848877.25	0.02391	0.02414	3.63E-03	3.82E-03	3.42E-03	3.51E-03	3.31E-03	9.62E-04	9.71E-04	1.93E-03	9.39E-04	9.48E-04	1.89E-03	9.26E-04	9.35E-04	1.86E-03
3402 477363.09, 3848877.25	0.02163	0.02188	3.29E-03	3.46E-03	3.10E-03	3.17E-03	2.99E-03	8.70E-04	8.81E-04	1.75E-03	8.49E-04	8.59E-04	1.71E-03	8.38E-04	8.48E-04	1.69E-03
3403 477863.09, 3848877.25	0.01765	0.01782	2.68E-03	2.82E-03	2.53E-03	2.59E-03	2.44E-03	7.10E-04	7.17E-04	1.43E-03	6.93E-04	7.00E-04	1.39E-03	6.84E-04	6.90E-04	1.37E-03
3404 478363.09, 3848877.25	0.01493	0.01501	2.27E-03	2.38E-03	2.14E-03	2.19E-03	2.06E-03	6.01E-04	6.04E-04	1.20E-03	5.86E-04	5.89E-04	1.18E-03	5.79E-04	5.82E-04	1.16E-03
3405 478863.09, 3848877.25	0.01249	0.01261	1.90E-03	2.00E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	5.07E-04	1.01E-03	4.90E-04	4.95E-04	9.86E-04	4.84E-04	4.89E-04	9.73E-04
3406 479363.09, 3848877.25	0.01026	0.0104	1.56E-03	1.65E-03	1.47E-03	1.50E-03	1.42E-03	4.13E-04	4.19E-04	8.31E-04	4.03E-04	4.08E-04	8.11E-04	3.98E-04	4.03E-04	8.01E-04
3407 479863.09, 3848877.25	0.00853	0.00864	1.30E-03	1.37E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.48E-04	6.91E-04	3.35E-04	3.39E-04	6.74E-04	3.31E-04	3.35E-04	6.65E-04
3408 480363.09, 3848877.25	0.00797	0.00805	1.21E-03	1.27E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.24E-04	6.45E-04	3.13E-04	3.16E-04	6.29E-04	3.09E-04	3.12E-04	6.21E-04
3409 480863.09, 3848877.25	0.00751	0.00757	1.14E-03	1.20E-03	1.08E-03	1.10E-03	1.04E-03	3.02E-04	3.05E-04	6.07E-04	2.95E-04	2.97E-04	5.92E-04	2.91E-04	2.93E-04	5.84E-04
3410 481363.09, 3848877.25	0.00688	0.00694	1.05E-03	1.10E-03	9.85E-04	1.01E-03	9.52E-04	2.77E-04	2.79E-04	5.56E-04	2.70E-04	2.73E-04	5.43E-04	2.67E-04	2.69E-04	5.36E-04
3411 481863.09, 3848877.25	0.00615	0.00622	9.35E-04	9.85E-04	8.80E-04	9.02E-04	8.51E-04	2.47E-04	2.50E-04	4.98E-04	2.42E-04	2.44E-04	4.86E-04	2.38E-04	2.41E-04	4.79E-04
3412 482363.09, 3848877.25	0.00545	0.00552	8.28E-04	8.74E-04	7.80E-04	7.99E-04	7.54E-04	2.19E-04	2.22E-04	4.41E-04	2.14E-04	2.17E-04	4.31E-04	2.11E-04	2.14E-04	4.25E-04
3413 482863.09, 3848877.25	0.00491	0.00497	7.46E-04	7.87E-04	7.03E-04	7.20E-04	6.79E-04	1.98E-04	2.00E-04	3.98E-04	1.93E-04	1.95E-04	3.88E-04	1.90E-04	1.93E-04	3.83E-04
3414 483363.09, 3848877.25	0.0045	0.00456	6.84E-04	7.22E-04	6.44E-04	6.60E-04	6.22E-04	1.81E-04	1.84E-04	3.65E-04	1.77E-04	1.79E-04	3.56E-04	1.74E-04	1.77E-04	3.51E-04
3415 483863.09, 3848877.25	0.00431	0.00436	6.55E-04	6.90E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.75E-04	3.49E-04	1.69E-04	1.71E-04	3.40E-04	1.67E-04	1.69E-04	3.36E-04
3416 484363.09, 3848877.25	0.00446	0.00452	6.78E-04	7.16E-04	6.38E-04	6.54E-04	6.17E-04	1.79E-04	1.82E-04	3.61E-04	1.75E-04	1.77E-04	3.53E-04	1.73E-04	1.75E-04	3.48E-04
3417 484863.09, 3848877.25	0.00455	0.00462	6.91E-04	7.31E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.86E-04	3.69E-04	1.79E-04	1.81E-04	3.60E-04	1.76E-04	1.79E-04	3.55E-04
3418 485363.09, 3848877.25	0.00437	0.00443	6.64E-04	7.01E-04	6.26E-04	6.41E-04	6.04E-04	1.76E-04	1.78E-04	3.54E-04	1.72E-04	1.74E-04	3.46E-04	1.69E-04	1.72E-04	3.41E-04
3419 485863.09, 3848877.25	0.0042	0.00426	6.38E-04	6.74E-04	6.01E-04	6.16E-04	5.81E-04	1.69E-04	1.71E-04	3.40E-04	1.65E-04	1.67E-04	3.32E-04	1.63E-04	1.65E-04	3.28E-04
3420 486363.09, 3848877.25	0.00396	0.00401	6.02E-04	6.35E-04	5.67E-04	5.81E-04	5.48E-04	1.59E-04	1.61E-04	3.21E-04	1.56E-04	1.57E-04	3.13E-04	1.53E-04	1.55E-04	3.09E-04
3421 486863.09, 3848877.25	0.00371	0.00376	5.64E-04	5.95E-04	5.31E-04	5.44E-04	5.13E-04	1.49E-04	1.51E-04	3.01E-04	1.46E-04	1.48E-04	2.93E-04	1.44E-04	1.46E-04	2.89E-04
3422 487363.09, 3848877.25	0.00361	0.00366	5.49E-04	5.79E-04	5.17E-04	5.29E-04	4.99E-04	1.45E-04	1.47E-04	2.93E-04	1.42E-04	1.44E-04	2.85E-04	1.40E-04	1.42E-04	2.82E-04
3423 487863.09, 3848877.25	0.00346	0.0035	5.26E-04	5.54E-04	4.95E-04	5.07E-04	4.79E-04	1.39E-04	1.41E-04	2.80E-04	1.36E-04	1.37E-04	2.73E-04	1.34E-04	1.36E-04	2.70E-04
3424 488363.09, 3848877.25	0.00334	0.00339	5.08E-04	5.37E-04	4.78E-04	4.90E-04	4.62E-04	1.34E-04	1.36E-04	2.71E-04	1.31E-04	1.33E-04	2.64E-04	1.29E-04	1.31E-04	2.61E-04
3425 488863.09, 3848877.25	0.00322	0.00327	4.89E-04	5.18E-04	4.61E-04	4.72E-04	4.45E-04	1.30E-04	1.32E-04	2.61E-04	1.26E-04	1.28E-04	2.55E-04	1.25E-04	1.27E-04	2.51E-04
3426 489363.09, 3848877.25	0.00315	0.0032	4.79E-04	5.07E-04	4.51E-04	4.62E-04	4.36E-04	1.27E-04	1.29E-04	2.56E-04	1.24E-04	1.26E-04	2.49E-04	1.22E-04	1.24E-04	2.46E-04
3427 489863.09, 3848877.25	0.00309	0.00314	4.70E-04	4.97E-04	4.42E-04	4.53E-04	4.27E-04	1.24E-04	1.26E-04	2.51E-04	1.21E-04	1.23E-04	2.45E-04	1.20E-04	1.22E-04	2.41E-04
3428 490363.09, 3848877.25	0.00294	0.00299	4.47E-04	4.73E-04	4.21E-04	4.31E-04	4.07E-04	1.18E-04	1.20E-04	2.39E-04	1.15E-04	1.17E-04	2.33E-04	1.14E-04	1.16E-04	2.30E-04

3429 490863.09, 3848877.25	0.0028	0.00284	4.25E-04	4.50E-04	4.01E-04	4.11E-04	3.87E-04	1.13E-04	1.14E-04	2.27E-04	1.10E-04	1.12E-04	2.21E-04	1.08E-04	1.10E-04	2.19E-04
3430 491363.09, 3848877.25	0.00269	0.00273	4.09E-04	4.32E-04	3.85E-04	3.94E-04	3.72E-04	1.08E-04	1.10E-04	2.18E-04	1.06E-04	1.07E-04	2.13E-04	1.04E-04	1.06E-04	2.10E-04
3431 491863.09, 3848877.25	0.00253	0.00257	3.84E-04	4.07E-04	3.62E-04	3.71E-04	3.50E-04	1.02E-04	1.03E-04	2.05E-04	9.94E-05	1.01E-04	2.00E-04	9.80E-05	9.96E-05	1.98E-04
3432 492363.09, 3848877.25	0.00238	0.00242	3.62E-04	3.83E-04	3.41E-04	3.49E-04	3.29E-04	9.58E-05	9.74E-05	1.93E-04	9.35E-05	9.50E-05	1.88E-04	9.22E-05	9.38E-05	1.86E-04
3433 492863.09, 3848877.25	0.00222	0.00225	3.37E-04	3.56E-04	3.18E-04	3.26E-04	3.07E-04	8.93E-05	9.05E-05	1.80E-04	8.72E-05	8.84E-05	1.76E-04	8.60E-05	8.72E-05	1.73E-04
3434 493363.09, 3848877.25	0.00207	0.0021	3.15E-04	3.32E-04	2.96E-04	3.04E-04	2.86E-04	8.33E-05	8.45E-05	1.68E-04	8.13E-05	8.25E-05	1.64E-04	8.02E-05	8.14E-05	1.62E-04
3435 493863.09, 3848877.25	0.00205	0.00208	3.12E-04	3.29E-04	2.93E-04	3.01E-04	2.84E-04	8.25E-05	8.37E-05	1.66E-04	8.05E-05	8.17E-05	1.62E-04	7.94E-05	8.06E-05	1.60E-04
3436 494363.09, 3848877.25	0.002	0.00203	3.04E-04	3.21E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.17E-05	1.62E-04	7.85E-05	7.97E-05	1.58E-04	7.75E-05	7.87E-05	1.56E-04
3437 494863.09, 3848877.25	0.002	0.00204	3.04E-04	3.23E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.21E-05	1.63E-04	7.85E-05	8.01E-05	1.59E-04	7.75E-05	7.90E-05	1.57E-04
3438 495363.09, 3848877.25	0.00198	0.00202	3.01E-04	3.20E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.13E-05	1.61E-04	7.78E-05	7.93E-05	1.57E-04	7.67E-05	7.83E-05	1.55E-04
3439 495863.09, 3848877.25	0.00188	0.00191	2.86E-04	3.02E-04	2.69E-04	2.76E-04	2.60E-04	7.57E-05	7.69E-05	1.53E-04	7.38E-05	7.50E-05	1.49E-04	7.28E-05	7.40E-05	1.47E-04
3440 496363.09, 3848877.25	0.00186	0.0019	2.83E-04	3.01E-04	2.66E-04	2.73E-04	2.57E-04	7.49E-05	7.65E-05	1.51E-04	7.30E-05	7.46E-05	1.48E-04	7.21E-05	7.36E-05	1.46E-04
3441 496863.09, 3848877.25	0.00193	0.00197	2.93E-04	3.12E-04	2.76E-04	2.83E-04	2.67E-04	7.77E-05	7.93E-05	1.57E-04	7.58E-05	7.74E-05	1.53E-04	7.48E-05	7.63E-05	1.51E-04
3442 497363.09, 3848877.25	0.00211	0.00215	3.21E-04	3.40E-04	3.02E-04	3.09E-04	2.92E-04	8.49E-05	8.65E-05	1.71E-04	8.29E-05	8.44E-05	1.67E-04	8.18E-05	8.33E-05	1.65E-04
3443 497863.09, 3848877.25	0.00216	0.00221	3.28E-04	3.50E-04	3.09E-04	3.17E-04	2.99E-04	8.69E-05	8.89E-05	1.76E-04	8.48E-05	8.68E-05	1.72E-04	8.37E-05	8.56E-05	1.69E-04
3444 498363.09, 3848877.25	0.00219	0.00224	3.33E-04	3.55E-04	3.14E-04	3.21E-04	3.03E-04	8.81E-05	9.01E-05	1.78E-04	8.60E-05	8.80E-05	1.74E-04	8.49E-05	8.68E-05	1.72E-04
3445 471363.09, 3849377.25	0.00311	0.00315	4.73E-04	4.99E-04	4.45E-04	4.56E-04	4.30E-04	1.25E-04	1.27E-04	2.52E-04	1.22E-04	1.24E-04	2.46E-04	1.21E-04	1.22E-04	2.43E-04
3446 471863.09, 3849377.25	0.00344	0.00348	5.23E-04	5.51E-04	4.92E-04	5.04E-04	4.76E-04	1.38E-04	1.40E-04	2.78E-04	1.35E-04	1.37E-04	2.72E-04	1.33E-04	1.35E-04	2.68E-04
3447 472363.09, 3849377.25	0.00382	0.00386	5.80E-04	6.11E-04	5.47E-04	5.60E-04	5.28E-04	1.54E-04	1.55E-04	3.09E-04	1.50E-04	1.52E-04	3.02E-04	1.48E-04	1.50E-04	2.98E-04
3448 472863.09, 3849377.25	0.00431	0.00434	6.55E-04	6.87E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.75E-04	3.48E-04	1.69E-04	1.70E-04	3.40E-04	1.67E-04	1.68E-04	3.35E-04
3449 473363.09, 3849377.25	0.00504	0.00507	7.66E-04	8.03E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	2.04E-04	4.07E-04	1.98E-04	1.99E-04	3.97E-04	1.95E-04	1.96E-04	3.92E-04
3450 473863.09, 3849377.25	0.00611	0.00616	9.28E-04	9.75E-04	8.75E-04	8.96E-04	8.45E-04	2.46E-04	2.48E-04	4.94E-04	2.40E-04	2.42E-04	4.82E-04	2.37E-04	2.39E-04	4.75E-04
3451 474363.09, 3849377.25	0.00775	0.00782	1.18E-03	1.24E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.15E-04	6.27E-04	3.04E-04	3.07E-04	6.11E-04	3.00E-04	3.03E-04	6.03E-04
3452 474863.09, 3849377.25	0.01071	0.01083	1.63E-03	1.71E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	4.36E-04	8.67E-04	4.21E-04	4.25E-04	8.46E-04	4.15E-04	4.20E-04	8.35E-04
3453 475363.09, 3849377.25	0.01747	0.01765	2.65E-03	2.79E-03	2.50E-03	2.56E-03	2.42E-03	7.03E-04	7.10E-04	1.41E-03	6.86E-04	6.93E-04	1.38E-03	6.77E-04	6.84E-04	1.36E-03
3454 475863.09, 3849377.25	0.03021	0.03045	4.59E-03	4.82E-03	4.32E-03	4.43E-03	4.18E-03	1.22E-03	1.23E-03	2.44E-03	1.19E-03	1.20E-03	2.38E-03	1.17E-03	1.18E-03	2.35E-03
3455 476363.09, 3849377.25	0.06606	0.06641	1.00E-02	1.05E-02	9.46E-03	9.69E-03	9.14E-03	2.66E-03	2.67E-03	5.33E-03	2.59E-03	2.61E-03	5.20E-03	2.56E-03	2.57E-03	5.13E-03
3456 476863.09, 3849377.25	0.18279	0.1849	2.78E-02	2.93E-02	2.62E-02	2.68E-02	2.53E-02	7.36E-03	7.44E-03	1.48E-02	7.18E-03	7.26E-03	1.44E-02	7.08E-03	7.16E-03	1.42E-02
3457 477363.09, 3849377.25	0.05253	0.05296	7.98E-03	8.39E-03	7.52E-03	7.70E-03	7.27E-03	2.11E-03	2.13E-03	4.25E-03	2.06E-03	2.08E-03	4.14E-03	2.04E-03	2.05E-03	4.09E-03
3458 477863.09, 3849377.25	0.03152	0.03182	4.79E-03	5.04E-03	4.51E-03	4.62E-03	4.36E-03	1.27E-03	1.28E-03	2.55E-03	1.24E-03	1.25E-03	2.49E-03	1.22E-03	1.23E-03	2.45E-03
3459 478363.09, 3849377.25	0.02321	0.02338	3.53E-03	3.70E-03	3.32E-03	3.40E-03	3.21E-03	9.34E-04	9.41E-04	1.87E-03	9.11E-04	9.18E-04	1.83E-03	8.99E-04	9.06E-04	1.81E-03
3460 478863.09, 3849377.25	0.01754	0.01763	2.67E-03	2.79E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	7.09E-04	1.42E-03	6.89E-04	6.92E-04	1.38E-03	6.80E-04	6.83E-04	1.36E-03
3461 479363.09, 3849377.25	0.01433	0.01446	2.18E-03	2.29E-03	2.05E-03	2.10E-03	1.98E-03	5.77E-04	5.82E-04	1.16E-03	5.63E-04	5.68E-04	1.13E-03	5.55E-04	5.60E-04	1.12E-03
3462 479863.09, 3849377.25	0.01127	0.01141	1.71E-03	1.81E-03	1.61E-03	1.65E-03	1.56E-03	4.54E-04	4.59E-04	9.13E-04	4.43E-04	4.48E-04	8.91E-04	4.37E-04	4.42E-04	8.79E-04
3463 480363.09, 3849377.25	0.01068	0.0108	1.62E-03	1.71E-03	1.53E-03	1.57E-03	1.48E-03	4.30E-04	4.35E-04	8.64E-04	4.19E-04	4.24E-04	8.44E-04	4.14E-04	4.18E-04	8.32E-04
3464 480863.09, 3849377.25	0.00939	0.00949	1.43E-03	1.50E-03	1.34E-03	1.38E-03	1.30E-03	3.78E-04	3.82E-04	7.60E-04	3.69E-04	3.73E-04	7.41E-04	3.64E-04	3.68E-04	7.32E-04
3465 481363.09, 3849377.25	0.00804	0.00809	1.22E-03	1.28E-03	1.15E-03	1.18E-03	1.11E-03	3.24E-04	3.26E-04	6.49E-04	3.16E-04	3.18E-04	6.33E-04	3.12E-04	3.13E-04	6.25E-04
3466 481863.09, 3849377.25	0.00659	0.00665	1.00E-03	1.05E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.68E-04	5.33E-04	2.59E-04	2.61E-04	5.20E-04	2.55E-04	2.58E-04	5.13E-04
3467 482363.09, 3849377.25	0.00587	0.00594	8.92E-04	9.40E-04	8.40E-04	8.61E-04	8.12E-04	2.36E-04	2.39E-04	4.75E-04	2.31E-04	2.33E-04	4.64E-04	2.27E-04	2.30E-04	4.58E-04
3468 482863.09, 3849377.25	0.00518	0.00523	7.87E-04	8.28E-04	7.42E-04	7.60E-04	7.16E-04	2.08E-04	2.10E-04	4.19E-04	2.03E-04	2.05E-04	4.09E-04	2.01E-04	2.03E-04	4.03E-04
3469 483363.09, 3849377.25	0.00476	0.00482	7.23E-04	7.63E-04	6.81E-04	6.98E-04	6.58E-04	1.92E-04	1.94E-04	3.86E-04	1.87E-04	1.89E-04	3.76E-04	1.84E-04	1.87E-04	3.71E-04
3470 483863.09, 3849377.25	0.00427	0.00432	6.49E-04	6.84E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.74E-04	3.46E-04	1.68E-04	1.70E-04	3.37E-04	1.65E-04	1.67E-04	3.33E-04
3471 484363.09, 3849377.25	0.00486	0.00493	7.38E-04	7.81E-04	6.96E-04	7.13E-04	6.72E-04	1.96E-04	1.98E-04	3.94E-04	1.91E-04	1.94E-04	3.84E-04	1.88E-04	1.91E-04	3.79E-04
3472 484863.09, 3849377.25	0.00503	0.00511	7.64E-04	8.09E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.06E-04	4.08E-04	1.98E-04	2.01E-04	3.98E-04	1.95E-04	1.98E-04	3.93E-04
3473 485363.09, 3849377.25	0.00482	0.0049	7.32E-04	7.76E-04	6.90E-04	7.07E-04	6.67E-04	1.94E-04	1.97E-04	3.91E-04	1.89E-04	1.92E-04	3.82E-04	1.87E-04	1.90E-04	3.77E-04
3474 485863.09, 3849377.25	0.00427	0.00433	6.49E-04	6.86E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.74E-04	3.46E-04	1.68E-04	1.70E-04	3.38E-04	1.65E-04	1.68E-04	3.33E-04
3475 486363.09, 3849377.25	0.00382	0.00387	5.80E-04	6.13E-04	5.47E-04	5.60E-04	5.28E-04	1.54E-04	1.56E-04	3.09E-04	1.50E-04	1.52E-04	3.02E-04	1.48E-04	1.50E-04	2.98E-04
3476 486863.09, 3849377.25	0.00398	0.00403	6.05E-04	6.38E-04	5.70E-04	5.84E-04	5.50E-04	1.60E-04	1.62E-04	3.22E-04	1.56E-04	1.58E-04	3.15E-04	1.54E-04	1.56E-04	3.10E-04
3477 487363.09, 3849377.25	0.0039	0.00395	5.93E-04	6.25E-04	5.58E-04	5.72E-04	5.39E-04	1.57E-04	1.59E-04	3.16E-04	1.53E-04	1.55E-04	3.08E-04	1.51E-04	1.53E-04	3.04E-04
3478 487863.09, 3849377.25	0.00374	0.00379	5.68E-04	6.00E-04	5.35E-04	5.48E-04	5.17E-04	1.51E-04	1.53E-04	3.03E-04	1.47E-04	1.49E-04	2.96E-04	1.45E-04	1.47E-04	2.92E-04
3479 488363.09, 3849377.25	0.00359	0.00365	5.46E-04	5.78E-04	5.14E-04	5.26E-04	4.97E-04	1.44E-04	1.47E-04	2.91E-04	1.41E-04	1.43E-04	2.84E-04	1.39E-04	1.41E-04	2.81E-04
3480 488863.09, 3849377.25	0.00348	0.00354	5.29E-04	5.60E-04	4.98E-04	5.10E-04	4.81E-04	1.40E-04	1.42E-04	2.83E-04	1.37E-04	1.39E-04	2.76E-04	1.35E-04	1.37E-04	2.72E-04
3481 489363.09, 3849377.25	0.00338	0.00343	5.14E-04	5.43E-04	4.84E-04	4.96E-04	4.67E-04	1.36E-04	1.38E-04	2.74E-04	1.33E-04	1.35E-04	2.67E-04	1.31E-04	1.33E-04	2.64E-04
3482 489863.09, 3849377.25	0.00325	0.0033	4.94E-04	5.22E-04	4.65E-04	4.77E-04	4.49E-04	1.31E-04	1.33E-04	2.64E-04	1.28E-04	1.30E-04	2.57E-04	1.26E-04	1.28E-04	2.54E-04
3483 490363.09, 3849377.25	0.00307	0.00312	4.66E-04	4.94E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.26E-04	2.49E-04	1.21E-04	1.23E-04	2.43E-04	1.19E-04	1.21E-04	2.40E-04
3484 490863.09, 3849377.25	0.00293	0.00298	4.45E-04	4.72E-04	4.19E-04	4.30E-04	4.05E-04	1.18E-04	1.20E-04	2.38E-04	1.15E-04	1.17E-04	2.32E-04	1.14E-04	1.15E-04	2.29E-04
3485 491363.09, 3849377.25	0.00281	0.00285	4.27E-04	4.51E-04	4.02E-04	4.12E-04	3.89E-04	1.13E-04	1.15E-04	2.28E-04	1.10E-04	1.12E-04	2.22E-04	1.09E-04	1.10E-04	2.19E-04
3486 491863.09, 3849377.25	0.00263	0.00267	4.00E-04	4.23E-04	3.77E-04	3.86E-04	3.64E-04	1.06E-04	1.07E-04	2.13E-04	1.03E-04	1.05E-04	2.08E-04	1.02E-04	1.03E-04	2.05E-04
3487 492363.09, 3849377.25	0.00247	0.00251	3.75E-04	3.97E-04	3.54E-04	3.62E-04	3.42E-04	9.94E-05	1.01E-04	2.00E-04	9.70E-05	9.86E-05	1.96E-04	9.57E-05	9.73E-05	1.93E-04
3488 492863.09, 3849377.25	0.00226	0.0023	3.43E-04	3.64E-04	3.24E-04	3.31E-04	3.13E-04	9.09E-05	9.26E-05	1.84E-04	8.87E-05	9.03E-05	1.79E-04	8.76E-05	8.91E-05	1.77E-04
3489 493363.09, 3849377.25	0.00216	0.00219	3.28E-04	3.47E-04	3.09E-04	3.17E-04	2.99E-04	8.69E-05	8.81E-05	1.75E-04	8.48E-05	8.60E-05	1.71E-04	8.37E-05	8.49E-05	1.69E-04
3490 493863.09, 3849377.25	0.00209	0.00213	3.18E-04	3.37E-04	2.99E-04	3.06E-04	2.89E-04	8.41E-05	8.57E-05	1.70E-04	8.21E-05	8.36E-05	1.66E-04	8.10E-05	8.25E-05	1.64E-04
3491 494363.09, 3849377.25	0.00208	0.00212	3.16E-04	3.36E-04	2.98E-04	3.05E-04	2.88E-04	8.37E-05	8.53E-05	1.69E-04	8.17E-05	8.33E-05	1.65E-04	8.06E-05	8.21E-05	1.63E-04
3492 494863.09, 3849377.25	0.00217	0.00222	3.30E-04	3.51E-04	3.11E-04	3.18E-04	3.00E-04	8.73E-05	8.93E-05	1.77E-04	8.52E-05	8.72E-05	1.72E-04	8.41E-05	8.60E-05	1.70E-04
3493 495363.09, 3849377.25	0.00217	0.00222	3.30E-04	3.51E-04	3.11E-04	3.18E-04	3.00E-04	8.73E-05	8.93E-05	1.77E-04	8.52E-05	8.72E-05	1.72E-04	8.41E-05	8.60E-05	1.70E-04
3494 495863.09, 3849377.25	0.00191	0.00195	2.90E-04	3.09E-04	2.73E-04	2.80E-04	2.64E-04	7.69E-05	7.85E-05	1.55E-04	7.50E-05	7.66E-05	1.52E-04	7.40E-05	7.56E-05	1.50E-04

3495 496363.09, 3849377.25	0.00185	0.00189	2.81E-04	2.99E-04	2.65E-04	2.71E-04	2.56E-04	7.44E-05	7.61E-05	1.51E-04	7.26E-05	7.42E-05	1.47E-04	7.17E-05	7.32E-05	1.45E-04
3496 496863.09, 3849377.25	0.00208	0.00214	3.16E-04	3.39E-04	2.98E-04	3.05E-04	2.88E-04	8.37E-05	8.61E-05	1.70E-04	8.17E-05	8.40E-05	1.66E-04	8.06E-05	8.29E-05	1.64E-04
3497 497363.09, 3849377.25	0.00212	0.00218	3.22E-04	3.45E-04	3.03E-04	3.11E-04	2.93E-04	8.53E-05	8.77E-05	1.73E-04	8.33E-05	8.56E-05	1.69E-04	8.21E-05	8.45E-05	1.67E-04
3498 497863.09, 3849377.25	0.00233	0.0024	3.54E-04	3.80E-04	3.34E-04	3.42E-04	3.22E-04	9.38E-05	9.66E-05	1.90E-04	9.15E-05	9.42E-05	1.86E-04	9.03E-05	9.30E-05	1.83E-04
3499 498363.09, 3849377.25	0.00225	0.00232	3.42E-04	3.67E-04	3.22E-04	3.30E-04	3.11E-04	9.05E-05	9.34E-05	1.84E-04	8.84E-05	9.11E-05	1.79E-04	8.72E-05	8.99E-05	1.77E-04
3500 471363.09, 3849877.25	0.00262	0.00266	3.98E-04	4.21E-04	3.75E-04	3.84E-04	3.62E-04	1.05E-04	1.07E-04	2.12E-04	1.03E-04	1.04E-04	2.07E-04	1.02E-04	1.03E-04	2.05E-04
3501 471863.09, 3849877.25	0.00307	0.00311	4.66E-04	4.92E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.25E-04	2.49E-04	1.21E-04	1.22E-04	2.43E-04	1.19E-04	1.21E-04	2.39E-04
3502 472363.09, 3849877.25	0.00341	0.00345	5.18E-04	5.46E-04	4.88E-04	5.00E-04	4.72E-04	1.37E-04	1.39E-04	2.76E-04	1.34E-04	1.35E-04	2.69E-04	1.32E-04	1.34E-04	2.66E-04
3503 472863.09, 3849877.25	0.00374	0.00378	5.68E-04	5.98E-04	5.35E-04	5.48E-04	5.17E-04	1.51E-04	1.52E-04	3.03E-04	1.47E-04	1.48E-04	2.95E-04	1.45E-04	1.46E-04	2.91E-04
3504 473363.09, 3849877.25	0.00418	0.00422	6.35E-04	6.68E-04	5.98E-04	6.13E-04	5.78E-04	1.68E-04	1.70E-04	3.38E-04	1.64E-04	1.66E-04	3.30E-04	1.62E-04	1.64E-04	3.25E-04
3505 473863.09, 3849877.25	0.00475	0.0048	7.22E-04	7.60E-04	6.80E-04	6.96E-04	6.57E-04	1.91E-04	1.93E-04	3.84E-04	1.87E-04	1.88E-04	3.75E-04	1.84E-04	1.86E-04	3.70E-04
3506 474363.09, 3849877.25	0.00552	0.00556	8.39E-04	8.80E-04	7.90E-04	8.09E-04	7.63E-04	2.22E-04	2.24E-04	4.46E-04	2.17E-04	2.18E-04	4.35E-04	2.14E-04	2.15E-04	4.29E-04
3507 474863.09, 3849877.25	0.00647	0.00652	9.83E-04	1.03E-03	9.26E-04	9.49E-04	8.95E-04	2.60E-04	2.62E-04	5.23E-04	2.54E-04	2.56E-04	5.10E-04	2.51E-04	2.53E-04	5.03E-04
3508 475363.09, 3849877.25	0.00775	0.00784	1.18E-03	1.24E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.16E-04	6.27E-04	3.04E-04	3.08E-04	6.12E-04	3.00E-04	3.04E-04	6.04E-04
3509 475863.09, 3849877.25	0.00946	0.00959	1.44E-03	1.52E-03	1.35E-03	1.39E-03	1.31E-03	3.81E-04	3.86E-04	7.67E-04	3.71E-04	3.77E-04	7.48E-04	3.67E-04	3.72E-04	7.38E-04
3510 476363.09, 3849877.25	0.01208	0.01223	1.84E-03	1.94E-03	1.73E-03	1.77E-03	1.67E-03	4.86E-04	4.92E-04	9.78E-04	4.74E-04	4.80E-04	9.55E-04	4.68E-04	4.74E-04	9.42E-04
3511 476863.09, 3849877.25	0.01794	0.01811	2.73E-03	2.87E-03	2.57E-03	2.63E-03	2.48E-03	7.22E-04	7.29E-04	1.45E-03	7.05E-04	7.11E-04	1.42E-03	6.95E-04	7.02E-04	1.40E-03
3512 477363.09, 3849877.25	0.04238	0.04288	6.44E-03	6.79E-03	6.07E-03	6.21E-03	5.86E-03	1.71E-03	1.73E-03	3.43E-03	1.66E-03	1.68E-03	3.35E-03	1.64E-03	1.66E-03	3.30E-03
3513 477863.09, 3849877.25	0.20415	0.20276	3.10E-02	3.21E-02	2.92E-02	2.99E-02	2.82E-02	8.22E-03	8.16E-03	1.64E-02	8.02E-03	7.96E-03	1.60E-02	7.91E-03	7.86E-03	1.58E-02
3514 478363.09, 3849877.25	0.05569	0.05587	8.46E-03	8.85E-03	7.97E-03	8.17E-03	7.70E-03	2.24E-03	2.25E-03	4.49E-03	2.19E-03	2.19E-03	4.38E-03	2.16E-03	2.16E-03	4.32E-03
3515 478863.09, 3849877.25	0.03344	0.03359	5.08E-03	5.32E-03	4.79E-03	4.90E-03	4.62E-03	1.35E-03	1.35E-03	2.70E-03	1.31E-03	1.32E-03	2.63E-03	1.30E-03	1.30E-03	2.60E-03
3516 479363.09, 3849877.25	0.02296	0.02305	3.49E-03	3.65E-03	3.29E-03	3.37E-03	3.18E-03	9.24E-04	9.28E-04	1.85E-03	9.02E-04	9.05E-04	1.81E-03	8.90E-04	8.93E-04	1.78E-03
3517 479863.09, 3849877.25	0.01827	0.01841	2.78E-03	2.91E-03	2.62E-03	2.68E-03	2.53E-03	7.35E-04	7.41E-04	1.48E-03	7.17E-04	7.23E-04	1.44E-03	7.08E-04	7.13E-04	1.42E-03
3518 480363.09, 3849877.25	0.01396	0.01409	2.12E-03	2.23E-03	2.00E-03	2.05E-03	1.93E-03	5.62E-04	5.67E-04	1.13E-03	5.48E-04	5.53E-04	1.10E-03	5.41E-04	5.46E-04	1.09E-03
3519 480863.09, 3849877.25	0.01133	0.01146	1.72E-03	1.81E-03	1.62E-03	1.66E-03	1.57E-03	4.56E-04	4.61E-04	9.17E-04	4.45E-04	4.50E-04	8.95E-04	4.39E-04	4.44E-04	8.83E-04
3520 481363.09, 3849877.25	0.0097	0.00977	1.47E-03	1.55E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.93E-04	7.84E-04	3.81E-04	3.84E-04	7.65E-04	3.76E-04	3.79E-04	7.54E-04
3521 481863.09, 3849877.25	0.00751	0.00756	1.14E-03	1.20E-03	1.08E-03	1.10E-03	1.04E-03	3.02E-04	3.04E-04	6.06E-04	2.95E-04	2.97E-04	5.92E-04	2.91E-04	2.93E-04	5.84E-04
3522 482363.09, 3849877.25	0.00643	0.0065	9.77E-04	1.03E-03	9.21E-04	9.43E-04	8.89E-04	2.59E-04	2.62E-04	5.20E-04	2.53E-04	2.55E-04	5.08E-04	2.49E-04	2.52E-04	5.01E-04
3523 482863.09, 3849877.25	0.0057	0.00576	8.66E-04	9.12E-04	8.16E-04	8.36E-04	7.88E-04	2.29E-04	2.32E-04	4.61E-04	2.24E-04	2.26E-04	4.50E-04	2.21E-04	2.23E-04	4.44E-04
3524 483363.09, 3849877.25	0.00506	0.00512	7.69E-04	8.11E-04	7.24E-04	7.42E-04	7.00E-04	2.04E-04	2.06E-04	4.10E-04	1.99E-04	2.01E-04	4.00E-04	1.96E-04	1.98E-04	3.94E-04
3525 483863.09, 3849877.25	0.00481	0.00487	7.31E-04	7.71E-04	6.89E-04	7.05E-04	6.65E-04	1.94E-04	1.96E-04	3.90E-04	1.89E-04	1.91E-04	3.80E-04	1.86E-04	1.89E-04	3.75E-04
3526 484363.09, 3849877.25	0.00527	0.00535	8.01E-04	8.47E-04	7.54E-04	7.73E-04	7.29E-04	2.12E-04	2.15E-04	4.27E-04	2.07E-04	2.10E-04	4.17E-04	2.04E-04	2.07E-04	4.12E-04
3527 484863.09, 3849877.25	0.00561	0.00571	8.52E-04	9.04E-04	8.03E-04	8.23E-04	7.76E-04	2.26E-04	2.30E-04	4.56E-04	2.20E-04	2.24E-04	4.45E-04	2.17E-04	2.21E-04	4.39E-04
3528 485363.09, 3849877.25	0.00522	0.00531	7.93E-04	8.41E-04	7.47E-04	7.65E-04	7.22E-04	2.10E-04	2.14E-04	4.24E-04	2.05E-04	2.09E-04	4.14E-04	2.02E-04	2.06E-04	4.08E-04
3529 485863.09, 3849877.25	0.00474	0.00481	7.20E-04	7.62E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.94E-04	3.84E-04	1.86E-04	1.89E-04	3.75E-04	1.84E-04	1.86E-04	3.70E-04
3530 486363.09, 3849877.25	0.00444	0.0045	6.75E-04	7.12E-04	6.36E-04	6.51E-04	6.14E-04	1.79E-04	1.81E-04	3.60E-04	1.74E-04	1.77E-04	3.51E-04	1.72E-04	1.74E-04	3.46E-04
3531 486863.09, 3849877.25	0.00443	0.00449	6.73E-04	7.11E-04	6.34E-04	6.50E-04	6.13E-04	1.78E-04	1.81E-04	3.59E-04	1.74E-04	1.76E-04	3.50E-04	1.72E-04	1.74E-04	3.46E-04
3532 487363.09, 3849877.25	0.00425	0.00431	6.46E-04	6.82E-04	6.08E-04	6.23E-04	5.88E-04	1.71E-04	1.73E-04	3.44E-04	1.67E-04	1.69E-04	3.36E-04	1.65E-04	1.67E-04	3.32E-04
3533 487863.09, 3849877.25	0.00405	0.00411	6.15E-04	6.51E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.65E-04	3.28E-04	1.59E-04	1.61E-04	3.20E-04	1.57E-04	1.59E-04	3.16E-04
3534 488363.09, 3849877.25	0.00388	0.00394	5.90E-04	6.24E-04	5.55E-04	5.69E-04	5.37E-04	1.56E-04	1.59E-04	3.15E-04	1.52E-04	1.55E-04	3.07E-04	1.50E-04	1.53E-04	3.03E-04
3535 488863.09, 3849877.25	0.00374	0.00381	5.68E-04	6.03E-04	5.35E-04	5.48E-04	5.17E-04	1.51E-04	1.53E-04	3.04E-04	1.47E-04	1.50E-04	2.96E-04	1.45E-04	1.48E-04	2.93E-04
3536 489363.09, 3849877.25	0.00358	0.00365	5.44E-04	5.78E-04	5.13E-04	5.25E-04	4.95E-04	1.44E-04	1.47E-04	2.91E-04	1.41E-04	1.43E-04	2.84E-04	1.39E-04	1.41E-04	2.80E-04
3537 489863.09, 3849877.25	0.0034	0.00347	5.17E-04	5.49E-04	4.87E-04	4.99E-04	4.70E-04	1.37E-04	1.40E-04	2.76E-04	1.34E-04	1.36E-04	2.70E-04	1.32E-04	1.34E-04	2.66E-04
3538 490363.09, 3849877.25	0.00322	0.00328	4.89E-04	5.19E-04	4.61E-04	4.72E-04	4.45E-04	1.30E-04	1.32E-04	2.62E-04	1.26E-04	1.29E-04	2.55E-04	1.25E-04	1.27E-04	2.52E-04
3539 490863.09, 3849877.25	0.00307	0.00313	4.66E-04	4.96E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.26E-04	2.50E-04	1.21E-04	1.23E-04	2.43E-04	1.19E-04	1.21E-04	2.40E-04
3540 491363.09, 3849877.25	0.00294	0.00299	4.47E-04	4.73E-04	4.21E-04	4.31E-04	4.07E-04	1.18E-04	1.20E-04	2.39E-04	1.15E-04	1.17E-04	2.33E-04	1.14E-04	1.16E-04	2.30E-04
3541 491863.09, 3849877.25	0.00275	0.0028	4.18E-04	4.43E-04	3.94E-04	4.03E-04	3.80E-04	1.11E-04	1.13E-04	2.23E-04	1.08E-04	1.10E-04	2.18E-04	1.07E-04	1.08E-04	2.15E-04
3542 492363.09, 3849877.25	0.00259	0.00264	3.94E-04	4.18E-04	3.71E-04	3.80E-04	3.58E-04	1.04E-04	1.06E-04	2.10E-04	1.02E-04	1.04E-04	2.05E-04	1.00E-04	1.02E-04	2.03E-04
3543 492863.09, 3849877.25	0.00241	0.00247	3.66E-04	3.91E-04	3.45E-04	3.53E-04	3.33E-04	9.70E-05	9.94E-05	1.96E-04	9.46E-05	9.70E-05	1.92E-04	9.34E-05	9.57E-05	1.89E-04
3544 493363.09, 3849877.25	0.00224	0.00229	3.40E-04	3.63E-04	3.21E-04	3.28E-04	3.10E-04	9.01E-05	9.22E-05	1.82E-04	8.80E-05	8.99E-05	1.78E-04	8.68E-05	8.87E-05	1.76E-04
3545 493863.09, 3849877.25	0.00214	0.00218	3.25E-04	3.45E-04	3.06E-04	3.14E-04	2.96E-04	8.61E-05	8.77E-05	1.74E-04	8.40E-05	8.56E-05	1.70E-04	8.29E-05	8.45E-05	1.67E-04
3546 494363.09, 3849877.25	0.00228	0.00234	3.46E-04	3.70E-04	3.26E-04	3.34E-04	3.15E-04	9.18E-05	9.42E-05	1.86E-04	8.95E-05	9.19E-05	1.81E-04	8.83E-05	9.07E-05	1.79E-04
3547 494863.09, 3849877.25	0.00235	0.00241	3.57E-04	3.82E-04	3.36E-04	3.45E-04	3.25E-04	9.46E-05	9.70E-05	1.92E-04	9.23E-05	9.46E-05	1.87E-04	9.11E-05	9.34E-05	1.84E-04
3548 495363.09, 3849877.25	0.00216	0.00222	3.28E-04	3.51E-04	3.09E-04	3.17E-04	2.99E-04	8.69E-05	8.93E-05	1.76E-04	8.48E-05	8.72E-05	1.72E-04	8.37E-05	8.60E-05	1.70E-04
3549 495863.09, 3849877.25	0.00226	0.00232	3.43E-04	3.67E-04	3.24E-04	3.31E-04	3.13E-04	9.09E-05	9.34E-05	1.84E-04	8.87E-05	9.11E-05	1.80E-04	8.76E-05	8.99E-05	1.77E-04
3550 496363.09, 3849877.25	0.00226	0.00232	3.43E-04	3.67E-04	3.24E-04	3.31E-04	3.13E-04	9.09E-05	9.34E-05	1.84E-04	8.87E-05	9.11E-05	1.80E-04	8.76E-05	8.99E-05	1.77E-04
3551 496863.09, 3849877.25	0.00225	0.00231	3.42E-04	3.66E-04	3.22E-04	3.30E-04	3.11E-04	9.05E-05	9.30E-05	1.84E-04	8.84E-05	9.07E-05	1.79E-04	8.72E-05	8.95E-05	1.77E-04
3552 497363.09, 3849877.25	0.00237	0.00245	3.60E-04	3.88E-04	3.39E-04	3.48E-04	3.28E-04	9.54E-05	9.86E-05	1.94E-04	9.31E-05	9.62E-05	1.89E-04	9.18E-05	9.49E-05	1.87E-04
3553 497863.09, 3849877.25	0.00238	0.00247	3.62E-04	3.91E-04	3.41E-04	3.49E-04	3.29E-04	9.58E-05	9.94E-05	1.95E-04	9.35E-05	9.70E-05	1.90E-04	9.22E-05	9.57E-05	1.88E-04
3554 498363.09, 3849877.25	0.00231	0.00239	3.51E-04	3.78E-04	3.31E-04	3.39E-04	3.19E-04	9.30E-05	9.62E-05	1.89E-04	9.07E-05	9.39E-05	1.85E-04	8.95E-05	9.26E-05	1.82E-04
3555 471363.09, 3850377.25	0.00192	0.00196	2.92E-04	3.10E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.89E-05	1.56E-04	7.54E-05	7.70E-05	1.52E-04	7.44E-05	7.59E-05	1.50E-04
3556 471863.09, 3850377.25	0.00246	0.00251	3.74E-04	3.97E-04	3.52E-04	3.61E-04	3.40E-04	9.90E-05	1.01E-04	2.00E-04	9.66E-05	9.86E-05	1.95E-04	9.53E-05	9.73E-05	1.93E-04
3557 472363.09, 3850377.25	0.0028	0.00285	4.25E-04	4.51E-04	4.01E-04	4.11E-04	3.87E-04	1.13E-04	1.15E-04	2.27E-04	1.10E-04	1.12E-04	2.22E-04	1.08E-04	1.10E-04	2.19E-04
3558 472863.09, 3850377.25	0.00325	0.0033	4.94E-04	5.22E-04	4.65E-04	4.77E-04	4.49E-04	1.31E-04	1.33E-04	2.64E-04	1.28E-04	1.30E-04	2.57E-04	1.26E-04	1.28E-04	2.54E-04
3559 473363.09, 3850377.25	0.00356	0.0036	5.41E-04	5.70E-04	5.10E-04	5.22E-04	4.92E-04	1.43E-04	1.45E-04	2.88E-04	1.40E-04	1.41E-04	2.81E-04	1.38E-04	1.39E-04	2.77E-04
3560 473863.09, 3850377.25	0.00394	0.00398	5.99E-04	6.30E-04	5.64E-04	5.78E-04	5.45E-04	1.59E-04	1.60E-04	3.19E-04	1.55E-04	1.56E-04	3.11E-04	1.53E-04	1.54E-04	3.07E-04

3561 474363.09, 3850377.25	0.00435	0.0044	6.61E-04	6.97E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.77E-04	3.52E-04	1.71E-04	1.73E-04	3.44E-04	1.69E-04	1.70E-04	3.39E-04
3562 474863.09, 3850377.25	0.00485	0.00489	7.37E-04	7.74E-04	6.94E-04	7.11E-04	6.71E-04	1.95E-04	1.97E-04	3.92E-04	1.90E-04	1.92E-04	3.82E-04	1.88E-04	1.89E-04	3.77E-04
3563 475363.09, 3850377.25	0.00542	0.00546	8.24E-04	8.64E-04	7.76E-04	7.95E-04	7.50E-04	2.18E-04	2.20E-04	4.38E-04	2.13E-04	2.14E-04	4.27E-04	2.10E-04	2.12E-04	4.22E-04
3564 475863.09, 3850377.25	0.00624	0.0063	9.48E-04	9.97E-04	8.93E-04	9.15E-04	8.63E-04	2.51E-04	2.54E-04	5.05E-04	2.45E-04	2.47E-04	4.92E-04	2.42E-04	2.44E-04	4.86E-04
3565 476363.09, 3850377.25	0.00724	0.00735	1.10E-03	1.16E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	2.96E-04	5.87E-04	2.84E-04	2.89E-04	5.73E-04	2.81E-04	2.85E-04	5.65E-04
3566 476863.09, 3850377.25	0.00872	0.00886	1.33E-03	1.40E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	3.57E-04	7.07E-04	3.42E-04	3.48E-04	6.90E-04	3.38E-04	3.43E-04	6.81E-04
3567 477363.09, 3850377.25	0.01127	0.01142	1.71E-03	1.81E-03	1.61E-03	1.65E-03	1.56E-03	4.54E-04	4.60E-04	9.13E-04	4.43E-04	4.48E-04	8.91E-04	4.37E-04	4.43E-04	8.79E-04
3568 477863.09, 3850377.25	0.01689	0.01708	2.57E-03	2.70E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	6.87E-04	1.37E-03	6.63E-04	6.71E-04	1.33E-03	6.54E-04	6.62E-04	1.32E-03
3569 478363.09, 3850377.25	0.03969	0.04054	6.03E-03	6.42E-03	5.68E-03	5.82E-03	5.49E-03	1.60E-03	1.63E-03	3.23E-03	1.56E-03	1.59E-03	3.15E-03	1.54E-03	1.57E-03	3.11E-03
3570 478863.09, 3850377.25	0.23319	0.22704	3.54E-02	3.59E-02	3.34E-02	3.42E-02	3.23E-02	9.38E-03	9.14E-03	1.85E-02	9.16E-03	8.92E-03	1.81E-02	9.04E-03	8.80E-03	1.78E-02
3571 479363.09, 3850377.25	0.05868	0.05849	8.92E-03	9.26E-03	8.40E-03	8.60E-03	8.12E-03	2.36E-03	2.35E-03	4.72E-03	2.30E-03	2.30E-03	4.60E-03	2.27E-03	2.27E-03	4.54E-03
3572 479863.09, 3850377.25	0.03246	0.03249	4.93E-03	5.14E-03	4.65E-03	4.76E-03	4.49E-03	1.31E-03	1.31E-03	2.61E-03	1.27E-03	1.28E-03	2.55E-03	1.26E-03	1.26E-03	2.52E-03
3573 480363.09, 3850377.25	0.02236	0.02247	3.40E-03	3.56E-03	3.20E-03	3.28E-03	3.09E-03	9.00E-04	9.04E-04	1.80E-03	8.78E-04	8.82E-04	1.76E-03	8.66E-04	8.71E-04	1.74E-03
3574 480863.09, 3850377.25	0.01775	0.01788	2.70E-03	2.83E-03	2.54E-03	2.60E-03	2.45E-03	7.14E-04	7.20E-04	1.43E-03	6.97E-04	7.02E-04	1.40E-03	6.88E-04	6.93E-04	1.38E-03
3575 481363.09, 3850377.25	0.01228	0.01241	1.87E-03	1.96E-03	1.76E-03	1.80E-03	1.70E-03	4.94E-04	4.99E-04	9.94E-04	4.82E-04	4.87E-04	9.70E-04	4.76E-04	4.81E-04	9.57E-04
3576 481863.09, 3850377.25	0.01053	0.01061	1.60E-03	1.68E-03	1.51E-03	1.54E-03	1.46E-03	4.24E-04	4.27E-04	8.51E-04	4.14E-04	4.17E-04	8.30E-04	4.08E-04	4.11E-04	8.19E-04
3577 482363.09, 3850377.25	0.00906	0.00917	1.38E-03	1.45E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.69E-04	7.34E-04	3.56E-04	3.60E-04	7.16E-04	3.51E-04	3.55E-04	7.06E-04
3578 482863.09, 3850377.25	0.00721	0.00731	1.10E-03	1.16E-03	1.03E-03	1.06E-03	9.97E-04	2.90E-04	2.94E-04	5.84E-04	2.83E-04	2.87E-04	5.70E-04	2.79E-04	2.83E-04	5.63E-04
3579 483363.09, 3850377.25	0.00616	0.00625	9.36E-04	9.90E-04	8.82E-04	9.03E-04	8.52E-04	2.48E-04	2.52E-04	4.99E-04	2.42E-04	2.45E-04	4.87E-04	2.39E-04	2.42E-04	4.81E-04
3580 483863.09, 3850377.25	0.006	0.0061	9.12E-04	9.66E-04	8.59E-04	8.80E-04	8.30E-04	2.41E-04	2.45E-04	4.87E-04	2.36E-04	2.40E-04	4.75E-04	2.32E-04	2.36E-04	4.69E-04
3581 484363.09, 3850377.25	0.00607	0.00618	9.22E-04	9.78E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.49E-04	4.93E-04	2.38E-04	2.43E-04	4.81E-04	2.35E-04	2.39E-04	4.75E-04
3582 484863.09, 3850377.25	0.00613	0.00625	9.31E-04	9.90E-04	8.78E-04	8.99E-04	8.48E-04	2.47E-04	2.52E-04	4.98E-04	2.41E-04	2.45E-04	4.86E-04	2.38E-04	2.42E-04	4.80E-04
3583 485363.09, 3850377.25	0.00579	0.0059	8.80E-04	9.34E-04	8.29E-04	8.49E-04	8.01E-04	2.33E-04	2.37E-04	4.70E-04	2.27E-04	2.32E-04	4.59E-04	2.24E-04	2.29E-04	4.53E-04
3584 485863.09, 3850377.25	0.00532	0.00541	8.08E-04	8.57E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.18E-04	4.32E-04	2.09E-04	2.12E-04	4.21E-04	2.06E-04	2.10E-04	4.16E-04
3585 486363.09, 3850377.25	0.00505	0.00514	7.67E-04	8.14E-04	7.23E-04	7.40E-04	6.98E-04	2.03E-04	2.07E-04	4.10E-04	1.98E-04	2.02E-04	4.00E-04	1.96E-04	1.99E-04	3.95E-04
3586 486863.09, 3850377.25	0.00482	0.0049	7.32E-04	7.76E-04	6.90E-04	7.07E-04	6.67E-04	1.94E-04	1.97E-04	3.91E-04	1.89E-04	1.92E-04	3.82E-04	1.87E-04	1.90E-04	3.77E-04
3587 487363.09, 3850377.25	0.00453	0.0046	6.88E-04	7.28E-04	6.49E-04	6.64E-04	6.27E-04	1.82E-04	1.85E-04	3.67E-04	1.78E-04	1.81E-04	3.59E-04	1.76E-04	1.78E-04	3.54E-04
3588 487863.09, 3850377.25	0.00433	0.00441	6.58E-04	6.98E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.77E-04	3.52E-04	1.70E-04	1.73E-04	3.43E-04	1.68E-04	1.71E-04	3.39E-04
3589 488363.09, 3850377.25	0.00413	0.00421	6.28E-04	6.67E-04	5.91E-04	6.06E-04	5.71E-04	1.66E-04	1.69E-04	3.36E-04	1.62E-04	1.65E-04	3.28E-04	1.60E-04	1.63E-04	3.23E-04
3590 488863.09, 3850377.25	0.00396	0.00404	6.02E-04	6.40E-04	5.67E-04	5.81E-04	5.48E-04	1.59E-04	1.63E-04	3.22E-04	1.56E-04	1.59E-04	3.14E-04	1.53E-04	1.57E-04	3.10E-04
3591 489363.09, 3850377.25	0.00378	0.00386	5.74E-04	6.11E-04	5.41E-04	5.54E-04	5.23E-04	1.52E-04	1.55E-04	3.07E-04	1.48E-04	1.52E-04	3.00E-04	1.46E-04	1.50E-04	2.96E-04
3592 489863.09, 3850377.25	0.00357	0.00364	5.42E-04	5.76E-04	5.11E-04	5.23E-04	4.94E-04	1.44E-04	1.46E-04	2.90E-04	1.40E-04	1.43E-04	2.83E-04	1.38E-04	1.41E-04	2.79E-04
3593 490363.09, 3850377.25	0.00338	0.00346	5.14E-04	5.48E-04	4.84E-04	4.96E-04	4.67E-04	1.36E-04	1.39E-04	2.75E-04	1.33E-04	1.36E-04	2.69E-04	1.31E-04	1.34E-04	2.65E-04
3594 490863.09, 3850377.25	0.00323	0.0033	4.91E-04	5.22E-04	4.62E-04	4.74E-04	4.47E-04	1.30E-04	1.33E-04	2.63E-04	1.27E-04	1.30E-04	2.56E-04	1.25E-04	1.28E-04	2.53E-04
3595 491363.09, 3850377.25	0.00307	0.00314	4.66E-04	4.97E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.26E-04	2.50E-04	1.21E-04	1.23E-04	2.44E-04	1.19E-04	1.22E-04	2.41E-04
3596 491863.09, 3850377.25	0.00286	0.00293	4.35E-04	4.64E-04	4.09E-04	4.19E-04	3.96E-04	1.15E-04	1.18E-04	2.33E-04	1.12E-04	1.15E-04	2.27E-04	1.11E-04	1.14E-04	2.24E-04
3597 492363.09, 3850377.25	0.00266	0.00273	4.04E-04	4.32E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.10E-04	2.17E-04	1.04E-04	1.07E-04	2.12E-04	1.03E-04	1.06E-04	2.09E-04
3598 492863.09, 3850377.25	0.00253	0.00259	3.84E-04	4.10E-04	3.62E-04	3.71E-04	3.50E-04	1.02E-04	1.04E-04	2.06E-04	9.94E-05	1.02E-04	2.01E-04	9.80E-05	1.00E-04	1.98E-04
3599 493363.09, 3850377.25	0.00237	0.00243	3.60E-04	3.85E-04	3.39E-04	3.48E-04	3.28E-04	9.54E-05	9.78E-05	1.93E-04	9.31E-05	9.54E-05	1.88E-04	9.18E-05	9.42E-05	1.86E-04
3600 493863.09, 3850377.25	0.0024	0.00246	3.65E-04	3.89E-04	3.44E-04	3.52E-04	3.32E-04	9.66E-05	9.90E-05	1.96E-04	9.42E-05	9.66E-05	1.91E-04	9.30E-05	9.53E-05	1.88E-04
3601 494363.09, 3850377.25	0.00239	0.00246	3.63E-04	3.89E-04	3.42E-04	3.50E-04	3.31E-04	9.62E-05	9.90E-05	1.95E-04	9.39E-05	9.66E-05	1.90E-04	9.26E-05	9.53E-05	1.88E-04
3602 494863.09, 3850377.25	0.00245	0.00252	3.72E-04	3.99E-04	3.51E-04	3.59E-04	3.39E-04	9.86E-05	1.01E-04	2.00E-04	9.62E-05	9.90E-05	1.95E-04	9.49E-05	9.76E-05	1.93E-04
3603 495363.09, 3850377.25	0.00251	0.0026	3.81E-04	4.12E-04	3.59E-04	3.68E-04	3.47E-04	1.01E-04	1.05E-04	2.06E-04	9.86E-05	1.02E-04	2.01E-04	9.73E-05	1.01E-04	1.98E-04
3604 495863.09, 3850377.25	0.0024	0.00248	3.65E-04	3.93E-04	3.44E-04	3.52E-04	3.32E-04	9.66E-05	9.98E-05	1.96E-04	9.42E-05	9.74E-05	1.92E-04	9.30E-05	9.61E-05	1.89E-04
3605 496363.09, 3850377.25	0.00246	0.00255	3.74E-04	4.04E-04	3.52E-04	3.61E-04	3.40E-04	9.90E-05	1.03E-04	2.02E-04	9.66E-05	1.00E-04	1.97E-04	9.53E-05	9.88E-05	1.94E-04
3606 496863.09, 3850377.25	0.00251	0.00261	3.81E-04	4.13E-04	3.59E-04	3.68E-04	3.47E-04	1.01E-04	1.05E-04	2.06E-04	9.86E-05	1.02E-04	2.01E-04	9.73E-05	1.01E-04	1.98E-04
3607 497363.09, 3850377.25	0.0025	0.0026	3.80E-04	4.12E-04	3.58E-04	3.67E-04	3.46E-04	1.01E-04	1.05E-04	2.05E-04	9.82E-05	1.02E-04	2.00E-04	9.69E-05	1.01E-04	1.98E-04
3608 497863.09, 3850377.25	0.00244	0.00254	3.71E-04	4.02E-04	3.49E-04	3.58E-04	3.37E-04	9.82E-05	1.02E-04	2.00E-04	9.58E-05	9.97E-05	1.96E-04	9.45E-05	9.84E-05	1.93E-04
3609 498363.09, 3850377.25	0.00239	0.00248	3.63E-04	3.93E-04	3.42E-04	3.50E-04	3.31E-04	9.62E-05	9.98E-05	1.96E-04	9.39E-05	9.74E-05	1.91E-04	9.26E-05	9.61E-05	1.89E-04
3610 471363.09, 3850877.25	0.00199	0.00202	3.02E-04	3.20E-04	2.85E-04	2.92E-04	2.75E-04	8.01E-05	8.13E-05	1.61E-04	7.81E-05	7.93E-05	1.57E-04	7.71E-05	7.83E-05	1.55E-04
3611 471863.09, 3850877.25	0.00222	0.00225	3.37E-04	3.56E-04	3.18E-04	3.26E-04	3.07E-04	8.93E-05	9.05E-05	1.80E-04	8.72E-05	8.84E-05	1.76E-04	8.60E-05	8.72E-05	1.73E-04
3612 472363.09, 3850877.25	0.00252	0.00256	3.83E-04	4.05E-04	3.61E-04	3.70E-04	3.49E-04	1.01E-04	1.03E-04	2.04E-04	9.90E-05	1.01E-04	1.99E-04	9.76E-05	9.92E-05	1.97E-04
3613 472863.09, 3850877.25	0.00284	0.00288	4.32E-04	4.56E-04	4.07E-04	4.16E-04	3.93E-04	1.14E-04	1.16E-04	2.30E-04	1.12E-04	1.13E-04	2.25E-04	1.10E-04	1.12E-04	2.22E-04
3614 473363.09, 3850877.25	0.00291	0.00296	4.42E-04	4.69E-04	4.17E-04	4.27E-04	4.02E-04	1.17E-04	1.19E-04	2.36E-04	1.14E-04	1.16E-04	2.31E-04	1.13E-04	1.15E-04	2.27E-04
3615 473863.09, 3850877.25	0.00331	0.00336	5.03E-04	5.32E-04	4.74E-04	4.85E-04	4.58E-04	1.33E-04	1.35E-04	2.68E-04	1.30E-04	1.32E-04	2.62E-04	1.28E-04	1.30E-04	2.58E-04
3616 474363.09, 3850877.25	0.00365	0.0037	5.55E-04	5.86E-04	5.23E-04	5.35E-04	5.05E-04	1.47E-04	1.49E-04	2.96E-04	1.43E-04	1.45E-04	2.89E-04	1.41E-04	1.43E-04	2.85E-04
3617 474863.09, 3850877.25	0.00399	0.00404	6.06E-04	6.40E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.63E-04	3.23E-04	1.57E-04	1.59E-04	3.15E-04	1.55E-04	1.57E-04	3.11E-04
3618 475363.09, 3850877.25	0.00436	0.00442	6.63E-04	7.00E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.78E-04	3.53E-04	1.71E-04	1.74E-04	3.45E-04	1.69E-04	1.71E-04	3.40E-04
3619 475863.09, 3850877.25	0.00482	0.00487	7.32E-04	7.71E-04	6.90E-04	7.07E-04	6.67E-04	1.94E-04	1.96E-04	3.90E-04	1.89E-04	1.91E-04	3.81E-04	1.87E-04	1.89E-04	3.75E-04
3620 476363.09, 3850877.25	0.00541	0.00546	8.22E-04	8.64E-04	7.74E-04	7.93E-04	7.48E-04	2.18E-04	2.20E-04	4.37E-04	2.12E-04	2.14E-04	4.27E-04	2.10E-04	2.12E-04	4.21E-04
3621 476863.09, 3850877.25	0.00606	0.00614	9.21E-04	9.72E-04	8.68E-04	8.89E-04	8.38E-04	2.44E-04	2.47E-04	4.91E-04	2.38E-04	2.41E-04	4.79E-04	2.35E-04	2.38E-04	4.73E-04
3622 477363.09, 3850877.25	0.00699	0.00712	1.06E-03	1.13E-03	1.00E-03	1.02E-03	9.67E-04	2.81E-04	2.87E-04	5.68E-04	2.74E-04	2.80E-04	5.54E-04	2.71E-04	2.76E-04	5.47E-04
3623 477863.09, 3850877.25	0.00843	0.00858	1.28E-03	1.36E-03	1.21E-03	1.24E-03	1.17E-03	3.39E-04	3.45E-04	6.85E-04	3.31E-04	3.37E-04	6.68E-04	3.27E-04	3.32E-04	6.59E-04
3624 478363.09, 3850877.25	0.01105	0.0112	1.68E-03	1.77E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	4.51E-04	8.95E-04	4.34E-04	4.40E-04	8.74E-04	4.28E-04	4.34E-04	8.62E-04
3625 478863.09, 3850877.25	0.01623	0.01651	2.47E-03	2.61E-03	2.32E-03	2.38E-03	2.24E-03	6.53E-04	6.64E-04	1.32E-03	6.37E-04	6.48E-04	1.29E-03	6.29E-04	6.40E-04	1.27E-03
3626 479363.09, 3850877.25	0.03565	0.03682	5.42E-03	5.83E-03	5.10E-03	5.23E-03	4.93E-03	1.43E-03	1.48E-03	2.92E-03	1.40E-03	1.45E-03	2.85E-03	1.38E-03	1.43E-03	2.81E-03

3627 479863.09, 3850877.25	0.27985	0.26684	4.25E-02	4.22E-02	4.01E-02	4.10E-02	3.87E-02	1.13E-02	1.07E-02	2.20E-02	1.10E-02	1.05E-02	2.15E-02	1.08E-02	1.03E-02	2.12E-02
3628 480363.09, 3850877.25	0.06011	0.06009	9.13E-03	9.51E-03	8.61E-03	8.81E-03	8.31E-03	2.42E-03	2.42E-03	4.84E-03	2.36E-03	2.36E-03	4.72E-03	2.33E-03	2.33E-03	4.66E-03
3629 480863.09, 3850877.25	0.03295	0.03312	5.01E-03	5.24E-03	4.72E-03	4.83E-03	4.56E-03	1.33E-03	1.33E-03	2.66E-03	1.29E-03	1.30E-03	2.59E-03	1.28E-03	1.28E-03	2.56E-03
3630 481363.09, 3850877.25	0.02233	0.02259	3.39E-03	3.58E-03	3.20E-03	3.27E-03	3.09E-03	8.99E-04	9.09E-04	1.81E-03	8.77E-04	8.87E-04	1.76E-03	8.65E-04	8.75E-04	1.74E-03
3631 481863.09, 3850877.25	0.01607	0.01624	2.44E-03	2.57E-03	2.30E-03	2.36E-03	2.22E-03	6.47E-04	6.54E-04	1.30E-03	6.31E-04	6.38E-04	1.27E-03	6.23E-04	6.29E-04	1.25E-03
3632 482363.09, 3850877.25	0.01183	0.01197	1.80E-03	1.90E-03	1.69E-03	1.73E-03	1.64E-03	4.76E-04	4.82E-04	9.58E-04	4.65E-04	4.70E-04	9.35E-04	4.58E-04	4.64E-04	9.22E-04
3633 482863.09, 3850877.25	0.00955	0.0097	1.45E-03	1.54E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	3.90E-04	7.75E-04	3.75E-04	3.81E-04	7.56E-04	3.70E-04	3.76E-04	7.46E-04
3634 483363.09, 3850877.25	0.00782	0.00796	1.19E-03	1.26E-03	1.12E-03	1.15E-03	1.08E-03	3.15E-04	3.20E-04	6.35E-04	3.07E-04	3.13E-04	6.20E-04	3.03E-04	3.08E-04	6.11E-04
3635 483863.09, 3850877.25	0.00712	0.00726	1.08E-03	1.15E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.92E-04	5.79E-04	2.80E-04	2.85E-04	5.65E-04	2.76E-04	2.81E-04	5.57E-04
3636 484363.09, 3850877.25	0.007	0.00714	1.06E-03	1.13E-03	1.00E-03	1.03E-03	9.68E-04	2.82E-04	2.87E-04	5.69E-04	2.75E-04	2.80E-04	5.55E-04	2.71E-04	2.77E-04	5.48E-04
3637 484863.09, 3850877.25	0.00654	0.00668	9.94E-04	1.06E-03	9.36E-04	9.59E-04	9.05E-04	2.63E-04	2.69E-04	5.32E-04	2.57E-04	2.62E-04	5.19E-04	2.53E-04	2.59E-04	5.12E-04
3638 485363.09, 3850877.25	0.00623	0.00637	9.47E-04	1.01E-03	8.92E-04	9.13E-04	8.62E-04	2.51E-04	2.56E-04	5.07E-04	2.45E-04	2.50E-04	4.95E-04	2.41E-04	2.47E-04	4.88E-04
3639 485863.09, 3850877.25	0.00562	0.00574	8.54E-04	9.09E-04	8.05E-04	8.24E-04	7.77E-04	2.26E-04	2.31E-04	4.57E-04	2.21E-04	2.25E-04	4.46E-04	2.18E-04	2.22E-04	4.40E-04
3640 486363.09, 3850877.25	0.00542	0.00553	8.24E-04	8.76E-04	7.76E-04	7.95E-04	7.50E-04	2.18E-04	2.23E-04	4.41E-04	2.13E-04	2.17E-04	4.30E-04	2.10E-04	2.14E-04	4.24E-04
3641 486863.09, 3850877.25	0.00512	0.00522	7.78E-04	8.26E-04	7.33E-04	7.51E-04	7.08E-04	2.06E-04	2.10E-04	4.16E-04	2.01E-04	2.05E-04	4.06E-04	1.98E-04	2.02E-04	4.01E-04
3642 487363.09, 3850877.25	0.00478	0.00488	7.26E-04	7.73E-04	6.84E-04	7.01E-04	6.61E-04	1.92E-04	1.96E-04	3.89E-04	1.88E-04	1.92E-04	3.79E-04	1.85E-04	1.89E-04	3.74E-04
3643 487863.09, 3850877.25	0.00454	0.00464	6.90E-04	7.35E-04	6.50E-04	6.66E-04	6.28E-04	1.83E-04	1.87E-04	3.69E-04	1.78E-04	1.82E-04	3.60E-04	1.76E-04	1.80E-04	3.56E-04
3644 488363.09, 3850877.25	0.00433	0.00444	6.58E-04	7.03E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.79E-04	3.53E-04	1.70E-04	1.74E-04	3.44E-04	1.68E-04	1.72E-04	3.40E-04
3645 488863.09, 3850877.25	0.00412	0.00422	6.26E-04	6.68E-04	5.90E-04	6.04E-04	5.70E-04	1.66E-04	1.70E-04	3.36E-04	1.62E-04	1.66E-04	3.28E-04	1.60E-04	1.64E-04	3.23E-04
3646 489363.09, 3850877.25	0.00394	0.00404	5.99E-04	6.40E-04	5.64E-04	5.78E-04	5.45E-04	1.59E-04	1.63E-04	3.21E-04	1.55E-04	1.59E-04	3.13E-04	1.53E-04	1.57E-04	3.09E-04
3647 489863.09, 3850877.25	0.00373	0.00384	5.67E-04	6.08E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.55E-04	3.05E-04	1.46E-04	1.51E-04	2.97E-04	1.45E-04	1.49E-04	2.93E-04
3648 490363.09, 3850877.25	0.00356	0.00367	5.41E-04	5.81E-04	5.10E-04	5.22E-04	4.92E-04	1.43E-04	1.48E-04	2.91E-04	1.40E-04	1.44E-04	2.84E-04	1.38E-04	1.42E-04	2.80E-04
3649 490863.09, 3850877.25	0.0034	0.0035	5.17E-04	5.54E-04	4.87E-04	4.99E-04	4.70E-04	1.37E-04	1.41E-04	2.78E-04	1.34E-04	1.37E-04	2.71E-04	1.32E-04	1.36E-04	2.67E-04
3650 491363.09, 3850877.25	0.00321	0.00331	4.88E-04	5.24E-04	4.60E-04	4.71E-04	4.44E-04	1.29E-04	1.33E-04	2.62E-04	1.26E-04	1.30E-04	2.56E-04	1.24E-04	1.28E-04	2.53E-04
3651 491863.09, 3850877.25	0.00301	0.00311	4.57E-04	4.92E-04	4.31E-04	4.41E-04	4.16E-04	1.21E-04	1.25E-04	2.46E-04	1.18E-04	1.22E-04	2.40E-04	1.17E-04	1.21E-04	2.37E-04
3652 492363.09, 3850877.25	0.00283	0.00293	4.30E-04	4.64E-04	4.05E-04	4.15E-04	3.91E-04	1.14E-04	1.18E-04	2.32E-04	1.11E-04	1.15E-04	2.26E-04	1.10E-04	1.14E-04	2.23E-04
3653 492863.09, 3850877.25	0.0027	0.00279	4.10E-04	4.42E-04	3.87E-04	3.96E-04	3.73E-04	1.09E-04	1.12E-04	2.21E-04	1.06E-04	1.10E-04	2.16E-04	1.05E-04	1.08E-04	2.13E-04
3654 493363.09, 3850877.25	0.00261	0.0027	3.97E-04	4.27E-04	3.74E-04	3.83E-04	3.61E-04	1.05E-04	1.09E-04	2.14E-04	1.02E-04	1.06E-04	2.09E-04	1.01E-04	1.05E-04	2.06E-04
3655 493863.09, 3850877.25	0.00263	0.00273	4.00E-04	4.32E-04	3.77E-04	3.86E-04	3.64E-04	1.06E-04	1.10E-04	2.16E-04	1.03E-04	1.07E-04	2.10E-04	1.02E-04	1.06E-04	2.08E-04
3656 494363.09, 3850877.25	0.00259	0.00269	3.94E-04	4.26E-04	3.71E-04	3.80E-04	3.58E-04	1.04E-04	1.08E-04	2.12E-04	1.02E-04	1.06E-04	2.07E-04	1.00E-04	1.04E-04	2.05E-04
3657 494863.09, 3850877.25	0.00262	0.00273	3.98E-04	4.32E-04	3.75E-04	3.84E-04	3.62E-04	1.05E-04	1.10E-04	2.15E-04	1.03E-04	1.07E-04	2.10E-04	1.02E-04	1.06E-04	2.07E-04
3658 495363.09, 3850877.25	0.00267	0.00278	4.06E-04	4.40E-04	3.82E-04	3.91E-04	3.69E-04	1.07E-04	1.12E-04	2.19E-04	1.05E-04	1.09E-04	2.14E-04	1.03E-04	1.08E-04	2.11E-04
3659 495863.09, 3850877.25	0.00261	0.00273	3.97E-04	4.32E-04	3.74E-04	3.83E-04	3.61E-04	1.05E-04	1.10E-04	2.15E-04	1.02E-04	1.07E-04	2.10E-04	1.01E-04	1.06E-04	2.07E-04
3660 496363.09, 3850877.25	0.00261	0.00272	3.97E-04	4.31E-04	3.74E-04	3.83E-04	3.61E-04	1.05E-04	1.09E-04	2.14E-04	1.02E-04	1.07E-04	2.09E-04	1.01E-04	1.05E-04	2.07E-04
3661 496863.09, 3850877.25	0.00263	0.00276	4.00E-04	4.37E-04	3.77E-04	3.86E-04	3.64E-04	1.06E-04	1.11E-04	2.17E-04	1.03E-04	1.08E-04	2.12E-04	1.02E-04	1.07E-04	2.09E-04
3662 497363.09, 3850877.25	0.00258	0.00271	3.92E-04	4.29E-04	3.69E-04	3.78E-04	3.57E-04	1.04E-04	1.09E-04	2.13E-04	1.01E-04	1.06E-04	2.08E-04	1.00E-04	1.05E-04	2.05E-04
3663 497863.09, 3850877.25	0.00251	0.00263	3.81E-04	4.16E-04	3.59E-04	3.68E-04	3.47E-04	1.01E-04	1.06E-04	2.07E-04	9.86E-05	1.03E-04	2.02E-04	9.73E-05	1.02E-04	1.99E-04
3664 498363.09, 3850877.25	0.00244	0.00255	3.71E-04	4.04E-04	3.49E-04	3.58E-04	3.37E-04	9.82E-05	1.03E-04	2.01E-04	9.58E-05	1.00E-04	1.96E-04	9.45E-05	9.88E-05	1.93E-04
3665 471363.09, 3851377.25	0.00193	0.00197	2.93E-04	3.12E-04	2.76E-04	2.83E-04	2.67E-04	7.77E-05	7.93E-05	1.57E-04	7.58E-05	7.74E-05	1.53E-04	7.48E-05	7.63E-05	1.51E-04
3666 471863.09, 3851377.25	0.00224	0.00229	3.40E-04	3.63E-04	3.21E-04	3.28E-04	3.10E-04	9.01E-05	9.22E-05	1.82E-04	8.80E-05	8.99E-05	1.78E-04	8.68E-05	8.87E-05	1.76E-04
3667 472363.09, 3851377.25	0.00232	0.00236	3.53E-04	3.74E-04	3.32E-04	3.40E-04	3.21E-04	9.34E-05	9.50E-05	1.88E-04	9.11E-05	9.27E-05	1.84E-04	8.99E-05	9.14E-05	1.81E-04
3668 472863.09, 3851377.25	0.00242	0.00246	3.68E-04	3.89E-04	3.46E-04	3.55E-04	3.35E-04	9.74E-05	9.90E-05	1.96E-04	9.50E-05	9.66E-05	1.92E-04	9.38E-05	9.53E-05	1.89E-04
3669 473363.09, 3851377.25	0.00233	0.00237	3.54E-04	3.75E-04	3.34E-04	3.42E-04	3.22E-04	9.38E-05	9.54E-05	1.89E-04	9.15E-05	9.31E-05	1.85E-04	9.03E-05	9.18E-05	1.82E-04
3670 473863.09, 3851377.25	0.0025	0.00254	3.80E-04	4.02E-04	3.58E-04	3.67E-04	3.46E-04	1.01E-04	1.02E-04	2.03E-04	9.82E-05	9.97E-05	1.98E-04	9.69E-05	9.84E-05	1.95E-04
3671 474363.09, 3851377.25	0.00297	0.00302	4.51E-04	4.78E-04	4.25E-04	4.35E-04	4.11E-04	1.20E-04	1.22E-04	2.41E-04	1.17E-04	1.19E-04	2.35E-04	1.15E-04	1.17E-04	2.32E-04
3672 474863.09, 3851377.25	0.00339	0.00344	5.15E-04	5.45E-04	4.85E-04	4.97E-04	4.69E-04	1.36E-04	1.38E-04	2.75E-04	1.33E-04	1.35E-04	2.68E-04	1.31E-04	1.33E-04	2.65E-04
3673 475363.09, 3851377.25	0.00372	0.00377	5.65E-04	5.97E-04	5.33E-04	5.45E-04	5.15E-04	1.50E-04	1.52E-04	3.01E-04	1.46E-04	1.48E-04	2.94E-04	1.44E-04	1.46E-04	2.90E-04
3674 475863.09, 3851377.25	0.00403	0.0041	6.12E-04	6.49E-04	5.77E-04	5.91E-04	5.57E-04	1.62E-04	1.65E-04	3.27E-04	1.58E-04	1.61E-04	3.19E-04	1.56E-04	1.59E-04	3.15E-04
3675 476363.09, 3851377.25	0.00441	0.00448	6.70E-04	7.09E-04	6.31E-04	6.47E-04	6.10E-04	1.77E-04	1.80E-04	3.58E-04	1.73E-04	1.76E-04	3.49E-04	1.71E-04	1.74E-04	3.44E-04
3676 476863.09, 3851377.25	0.00485	0.0049	7.37E-04	7.76E-04	6.94E-04	7.11E-04	6.71E-04	1.95E-04	1.97E-04	3.92E-04	1.90E-04	1.92E-04	3.83E-04	1.88E-04	1.90E-04	3.78E-04
3677 477363.09, 3851377.25	0.00533	0.0054	8.10E-04	8.55E-04	7.63E-04	7.82E-04	7.37E-04	2.14E-04	2.17E-04	4.32E-04	2.09E-04	2.12E-04	4.21E-04	2.07E-04	2.09E-04	4.16E-04
3678 477863.09, 3851377.25	0.00601	0.00612	9.13E-04	9.69E-04	8.60E-04	8.81E-04	8.31E-04	2.42E-04	2.46E-04	4.88E-04	2.36E-04	2.40E-04	4.76E-04	2.33E-04	2.37E-04	4.70E-04
3679 478363.09, 3851377.25	0.00695	0.00711	1.06E-03	1.13E-03	9.95E-04	1.02E-03	9.61E-04	2.80E-04	2.86E-04	5.66E-04	2.73E-04	2.79E-04	5.52E-04	2.69E-04	2.76E-04	5.45E-04
3680 478863.09, 3851377.25	0.00843	0.00857	1.28E-03	1.36E-03	1.21E-03	1.24E-03	1.17E-03	3.39E-04	3.45E-04	6.84E-04	3.31E-04	3.37E-04	6.68E-04	3.27E-04	3.32E-04	6.59E-04
3681 479363.09, 3851377.25	0.01089	0.01106	1.65E-03	1.75E-03	1.56E-03	1.60E-03	1.51E-03	4.38E-04	4.45E-04	8.83E-04	4.28E-04	4.34E-04	8.62E-04	4.22E-04	4.29E-04	8.51E-04
3682 479863.09, 3851377.25	0.01593	0.01625	2.42E-03	2.57E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	6.54E-04	1.30E-03	6.26E-04	6.38E-04	1.26E-03	6.17E-04	6.30E-04	1.25E-03
3683 480363.09, 3851377.25	0.03465	0.03518	5.27E-03	5.57E-03	4.96E-03	5.08E-03	4.79E-03	1.39E-03	1.42E-03	2.81E-03	1.36E-03	1.38E-03	2.74E-03	1.34E-03	1.36E-03	2.71E-03
3684 480863.09, 3851377.25	0.30558	0.31173	4.64E-02	4.94E-02	4.37E-02	4.48E-02	4.23E-02	1.23E-02	1.25E-02	2.48E-02	1.20E-02	1.22E-02	2.42E-02	1.18E-02	1.21E-02	2.39E-02
3685 481363.09, 3851377.25	0.0559	0.05662	8.49E-03	8.96E-03	8.00E-03	8.20E-03	7.73E-03	2.25E-03	2.28E-03	4.53E-03	2.20E-03	2.22E-03	4.42E-03	2.17E-03	2.19E-03	4.36E-03
3686 481863.09, 3851377.25	0.02699	0.02737	4.10E-03	4.33E-03	3.86E-03	3.96E-03	3.73E-03	1.09E-03	1.10E-03	2.19E-03	1.06E-03	1.07E-03	2.13E-03	1.05E-03	1.06E-03	2.11E-03
3687 482363.09, 3851377.25	0.01764	0.01783	2.68E-03	2.82E-03	2.53E-03	2.59E-03	2.44E-03	7.10E-04	7.18E-04	1.43E-03	6.93E-04	7.00E-04	1.39E-03	6.84E-04	6.91E-04	1.37E-03
3688 482863.09, 3851377.25	0.01216	0.01238	1.85E-03	1.96E-03	1.74E-03	1.78E-03	1.68E-03	4.89E-04	4.98E-04	9.88E-04	4.78E-04	4.86E-04	9.64E-04	4.71E-04	4.80E-04	9.51E-04
3689 483363.09, 3851377.25	0.0093	0.00948	1.41E-03	1.50E-03	1.33E-03	1.36E-03	1.29E-03	3.74E-04	3.82E-04	7.56E-04	3.65E-04	3.72E-04	7.37E-04	3.60E-04	3.67E-04	7.28E-04
3690 483863.09, 3851377.25	0.00794	0.00811	1.21E-03	1.28E-03	1.14E-03	1.16E-03	1.10E-03	3.20E-04	3.26E-04	6.46E-04	3.12E-04	3.18E-04	6.30E-04	3.08E-04	3.14E-04	6.22E-04
3691 484363.09, 3851377.25	0.00788	0.00807	1.20E-03	1.28E-03	1.13E-03	1.16E-03	1.09E-03	3.17E-04	3.25E-04	6.42E-04	3.09E-04	3.17E-04	6.26E-04	3.05E-04	3.13E-04	6.18E-04
3692 484863.09, 3851377.25	0.00657	0.00671	9.98E-04	1.06E-03	9.41E-04	9.63E-04	9.09E-04	2.64E-04	2.70E-04	5.34E-04	2.58E-04	2.64E-04	5.22E-04	2.55E-04	2.60E-04	5.15E-04

3693 485363.09, 3851377.25	0.00669	0.00687	1.02E-03	1.09E-03	9.58E-04	9.81E-04	9.25E-04	2.69E-04	2.76E-04	5.46E-04	2.63E-04	2.70E-04	5.32E-04	2.59E-04	2.66E-04	5.25E-04
3694 485863.09, 3851377.25	0.00595	0.0061	9.04E-04	9.66E-04	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.45E-04	4.85E-04	2.34E-04	2.40E-04	4.73E-04	2.31E-04	2.36E-04	4.67E-04
3695 486363.09, 3851377.25	0.00576	0.00591	8.75E-04	9.36E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	2.38E-04	4.70E-04	2.26E-04	2.32E-04	4.58E-04	2.23E-04	2.29E-04	4.52E-04
3696 486863.09, 3851377.25	0.00536	0.0055	8.14E-04	8.71E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.21E-04	4.37E-04	2.10E-04	2.16E-04	4.26E-04	2.08E-04	2.13E-04	4.21E-04
3697 487363.09, 3851377.25	0.00482	0.00495	7.32E-04	7.84E-04	6.90E-04	7.07E-04	6.67E-04	1.94E-04	1.99E-04	3.93E-04	1.89E-04	1.94E-04	3.84E-04	1.87E-04	1.92E-04	3.79E-04
3698 487863.09, 3851377.25	0.0047	0.00484	7.14E-04	7.66E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.95E-04	3.84E-04	1.85E-04	1.90E-04	3.75E-04	1.82E-04	1.88E-04	3.70E-04
3699 488363.09, 3851377.25	0.0045	0.00463	6.84E-04	7.33E-04	6.44E-04	6.60E-04	6.22E-04	1.81E-04	1.86E-04	3.67E-04	1.77E-04	1.82E-04	3.59E-04	1.74E-04	1.79E-04	3.54E-04
3700 488863.09, 3851377.25	0.00427	0.00441	6.49E-04	6.98E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.77E-04	3.49E-04	1.68E-04	1.73E-04	3.41E-04	1.65E-04	1.71E-04	3.36E-04
3701 489363.09, 3851377.25	0.00407	0.00421	6.18E-04	6.67E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.69E-04	3.33E-04	1.60E-04	1.65E-04	3.25E-04	1.58E-04	1.63E-04	3.21E-04
3702 489863.09, 3851377.25	0.00386	0.004	5.87E-04	6.33E-04	5.53E-04	5.66E-04	5.34E-04	1.55E-04	1.61E-04	3.16E-04	1.52E-04	1.57E-04	3.09E-04	1.50E-04	1.55E-04	3.05E-04
3703 490363.09, 3851377.25	0.00368	0.00382	5.59E-04	6.05E-04	5.27E-04	5.40E-04	5.09E-04	1.48E-04	1.54E-04	3.02E-04	1.45E-04	1.50E-04	2.95E-04	1.43E-04	1.48E-04	2.91E-04
3704 490863.09, 3851377.25	0.0035	0.00364	5.32E-04	5.76E-04	5.01E-04	5.13E-04	4.84E-04	1.41E-04	1.46E-04	2.87E-04	1.37E-04	1.43E-04	2.80E-04	1.36E-04	1.41E-04	2.77E-04
3705 491363.09, 3851377.25	0.0033	0.00345	5.01E-04	5.46E-04	4.72E-04	4.84E-04	4.56E-04	1.33E-04	1.39E-04	2.72E-04	1.30E-04	1.35E-04	2.65E-04	1.28E-04	1.34E-04	2.62E-04
3706 491863.09, 3851377.25	0.00313	0.00327	4.76E-04	5.18E-04	4.48E-04	4.59E-04	4.33E-04	1.26E-04	1.32E-04	2.58E-04	1.23E-04	1.28E-04	2.51E-04	1.21E-04	1.27E-04	2.48E-04
3707 492363.09, 3851377.25	0.003	0.00313	4.56E-04	4.96E-04	4.29E-04	4.40E-04	4.15E-04	1.21E-04	1.26E-04	2.47E-04	1.18E-04	1.23E-04	2.41E-04	1.16E-04	1.21E-04	2.38E-04
3708 492863.09, 3851377.25	0.00285	0.00298	4.33E-04	4.72E-04	4.08E-04	4.18E-04	3.94E-04	1.15E-04	1.20E-04	2.35E-04	1.12E-04	1.17E-04	2.29E-04	1.10E-04	1.15E-04	2.26E-04
3709 493363.09, 3851377.25	0.00262	0.00273	3.98E-04	4.32E-04	3.75E-04	3.84E-04	3.62E-04	1.05E-04	1.10E-04	2.15E-04	1.03E-04	1.07E-04	2.10E-04	1.02E-04	1.06E-04	2.07E-04
3710 493863.09, 3851377.25	0.00264	0.00276	4.01E-04	4.37E-04	3.78E-04	3.87E-04	3.65E-04	1.06E-04	1.11E-04	2.17E-04	1.04E-04	1.08E-04	2.12E-04	1.02E-04	1.07E-04	2.09E-04
3711 494363.09, 3851377.25	0.00277	0.0029	4.21E-04	4.59E-04	3.97E-04	4.06E-04	3.83E-04	1.11E-04	1.17E-04	2.28E-04	1.09E-04	1.14E-04	2.23E-04	1.07E-04	1.12E-04	2.20E-04
3712 494863.09, 3851377.25	0.00273	0.00287	4.15E-04	4.54E-04	3.91E-04	4.00E-04	3.78E-04	1.10E-04	1.15E-04	2.25E-04	1.07E-04	1.13E-04	2.20E-04	1.06E-04	1.11E-04	2.17E-04
3713 495363.09, 3851377.25	0.00283	0.00299	4.30E-04	4.73E-04	4.05E-04	4.15E-04	3.91E-04	1.14E-04	1.20E-04	2.34E-04	1.11E-04	1.17E-04	2.29E-04	1.10E-04	1.16E-04	2.26E-04
3714 495863.09, 3851377.25	0.00281	0.00297	4.27E-04	4.70E-04	4.02E-04	4.12E-04	3.89E-04	1.13E-04	1.20E-04	2.33E-04	1.10E-04	1.17E-04	2.27E-04	1.09E-04	1.15E-04	2.24E-04
3715 496363.09, 3851377.25	0.00277	0.00293	4.21E-04	4.64E-04	3.97E-04	4.06E-04	3.83E-04	1.11E-04	1.18E-04	2.29E-04	1.09E-04	1.15E-04	2.24E-04	1.07E-04	1.14E-04	2.21E-04
3716 496863.09, 3851377.25	0.00272	0.00287	4.13E-04	4.54E-04	3.89E-04	3.99E-04	3.76E-04	1.09E-04	1.15E-04	2.25E-04	1.07E-04	1.13E-04	2.20E-04	1.05E-04	1.11E-04	2.17E-04
3717 497363.09, 3851377.25	0.00266	0.00281	4.04E-04	4.45E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.13E-04	2.20E-04	1.04E-04	1.10E-04	2.15E-04	1.03E-04	1.09E-04	2.12E-04
3718 497863.09, 3851377.25	0.00259	0.00274	3.94E-04	4.34E-04	3.71E-04	3.80E-04	3.58E-04	1.04E-04	1.10E-04	2.14E-04	1.02E-04	1.08E-04	2.09E-04	1.00E-04	1.06E-04	2.07E-04
3719 498363.09, 3851377.25	0.00248	0.00261	3.77E-04	4.13E-04	3.55E-04	3.64E-04	3.43E-04	9.98E-05	1.05E-04	2.05E-04	9.74E-05	1.02E-04	2.00E-04	9.61E-05	1.01E-04	1.97E-04
3720 471363.09, 3851877.25	0.00189	0.00192	2.87E-04	3.04E-04	2.71E-04	2.77E-04	2.61E-04	7.61E-05	7.73E-05	1.53E-04	7.42E-05	7.54E-05	1.50E-04	7.32E-05	7.44E-05	1.48E-04
3721 471863.09, 3851877.25	0.0019	0.00194	2.89E-04	3.07E-04	2.72E-04	2.79E-04	2.63E-04	7.65E-05	7.81E-05	1.55E-04	7.46E-05	7.62E-05	1.51E-04	7.36E-05	7.52E-05	1.49E-04
3722 472363.09, 3851877.25	0.00207	0.00212	3.15E-04	3.36E-04	2.96E-04	3.04E-04	2.86E-04	8.33E-05	8.53E-05	1.69E-04	8.13E-05	8.33E-05	1.65E-04	8.02E-05	8.21E-05	1.62E-04
3723 472863.09, 3851877.25	0.00223	0.00228	3.39E-04	3.61E-04	3.19E-04	3.27E-04	3.08E-04	8.97E-05	9.18E-05	1.81E-04	8.76E-05	8.95E-05	1.77E-04	8.64E-05	8.83E-05	1.75E-04
3724 473363.09, 3851877.25	0.00217	0.00222	3.30E-04	3.51E-04	3.11E-04	3.18E-04	3.00E-04	8.73E-05	8.93E-05	1.77E-04	8.52E-05	8.72E-05	1.72E-04	8.41E-05	8.60E-05	1.70E-04
3725 473863.09, 3851877.25	0.00222	0.00228	3.37E-04	3.61E-04	3.18E-04	3.26E-04	3.07E-04	8.93E-05	9.18E-05	1.81E-04	8.72E-05	8.95E-05	1.77E-04	8.60E-05	8.83E-05	1.74E-04
3726 474363.09, 3851877.25	0.00252	0.00258	3.83E-04	4.08E-04	3.61E-04	3.70E-04	3.49E-04	1.01E-04	1.04E-04	2.05E-04	9.90E-05	1.01E-04	2.00E-04	9.76E-05	1.00E-04	1.98E-04
3727 474863.09, 3851877.25	0.00287	0.00293	4.36E-04	4.64E-04	4.11E-04	4.21E-04	3.97E-04	1.15E-04	1.18E-04	2.33E-04	1.13E-04	1.15E-04	2.28E-04	1.11E-04	1.14E-04	2.25E-04
3728 475363.09, 3851877.25	0.00315	0.0032	4.79E-04	5.07E-04	4.51E-04	4.62E-04	4.36E-04	1.27E-04	1.29E-04	2.56E-04	1.24E-04	1.26E-04	2.49E-04	1.22E-04	1.24E-04	2.46E-04
3729 475863.09, 3851877.25	0.00342	0.00347	5.20E-04	5.49E-04	4.90E-04	5.01E-04	4.73E-04	1.38E-04	1.40E-04	2.77E-04	1.34E-04	1.36E-04	2.71E-04	1.33E-04	1.34E-04	2.67E-04
3730 476363.09, 3851877.25	0.00357	0.00363	5.42E-04	5.75E-04	5.11E-04	5.23E-04	4.94E-04	1.44E-04	1.46E-04	2.90E-04	1.40E-04	1.43E-04	2.83E-04	1.38E-04	1.41E-04	2.79E-04
3731 476863.09, 3851877.25	0.00394	0.00401	5.99E-04	6.35E-04	5.64E-04	5.78E-04	5.45E-04	1.59E-04	1.61E-04	3.20E-04	1.55E-04	1.57E-04	3.12E-04	1.53E-04	1.55E-04	3.08E-04
3732 477363.09, 3851877.25	0.00432	0.0044	6.56E-04	6.97E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	1.77E-04	3.51E-04	1.70E-04	1.73E-04	3.42E-04	1.67E-04	1.70E-04	3.38E-04
3733 477863.09, 3851877.25	0.00474	0.00482	7.20E-04	7.63E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.94E-04	3.85E-04	1.86E-04	1.89E-04	3.75E-04	1.84E-04	1.87E-04	3.70E-04
3734 478363.09, 3851877.25	0.00516	0.00526	7.84E-04	8.33E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.12E-04	4.19E-04	2.03E-04	2.07E-04	4.09E-04	2.00E-04	2.04E-04	4.04E-04
3735 478863.09, 3851877.25	0.00592	0.00607	9.00E-04	9.61E-04	8.48E-04	8.68E-04	8.19E-04	2.38E-04	2.44E-04	4.83E-04	2.32E-04	2.38E-04	4.71E-04	2.29E-04	2.35E-04	4.65E-04
3736 479363.09, 3851877.25	0.007	0.00715	1.06E-03	1.13E-03	1.00E-03	1.03E-03	9.68E-04	2.82E-04	2.88E-04	5.69E-04	2.75E-04	2.81E-04	5.56E-04	2.71E-04	2.77E-04	5.48E-04
3737 479863.09, 3851877.25	0.00852	0.00866	1.29E-03	1.37E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.49E-04	6.91E-04	3.35E-04	3.40E-04	6.75E-04	3.30E-04	3.36E-04	6.66E-04
3738 480363.09, 3851877.25	0.01111	0.01131	1.69E-03	1.79E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	4.55E-04	9.02E-04	4.36E-04	4.44E-04	8.80E-04	4.30E-04	4.38E-04	8.69E-04
3739 480863.09, 3851877.25	0.01737	0.01756	2.64E-03	2.78E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.07E-04	1.41E-03	6.82E-04	6.90E-04	1.37E-03	6.73E-04	6.80E-04	1.35E-03
3740 481363.09, 3851877.25	0.07803	0.07916	1.19E-02	1.25E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	3.19E-03	6.33E-03	3.06E-03	3.11E-03	6.17E-03	3.02E-03	3.07E-03	6.09E-03
3741 481863.09, 3851877.25	0.05392	0.05432	8.19E-03	8.60E-03	7.72E-03	7.91E-03	7.46E-03	2.17E-03	2.19E-03	4.36E-03	2.12E-03	2.13E-03	4.25E-03	2.09E-03	2.10E-03	4.19E-03
3742 482363.09, 3851877.25	0.02142	0.02167	3.25E-03	3.43E-03	3.07E-03	3.14E-03	2.96E-03	8.62E-04	8.72E-04	1.73E-03	8.41E-04	8.51E-04	1.69E-03	8.30E-04	8.40E-04	1.67E-03
3743 482863.09, 3851877.25	0.01323	0.01349	2.01E-03	2.14E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	5.43E-04	1.08E-03	5.20E-04	5.30E-04	1.05E-03	5.13E-04	5.23E-04	1.04E-03
3744 483363.09, 3851877.25	0.01102	0.0113	1.67E-03	1.79E-03	1.58E-03	1.62E-03	1.52E-03	4.43E-04	4.55E-04	8.98E-04	4.33E-04	4.44E-04	8.77E-04	4.27E-04	4.38E-04	8.65E-04
3745 483863.09, 3851877.25	0.00924	0.00951	1.40E-03	1.51E-03	1.32E-03	1.35E-03	1.28E-03	3.72E-04	3.83E-04	7.55E-04	3.63E-04	3.73E-04	7.36E-04	3.58E-04	3.68E-04	7.27E-04
3746 484363.09, 3851877.25	0.0086	0.00887	1.31E-03	1.40E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.57E-04	7.03E-04	3.38E-04	3.48E-04	6.86E-04	3.33E-04	3.44E-04	6.77E-04
3747 484863.09, 3851877.25	0.00757	0.0078	1.15E-03	1.23E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	3.14E-04	6.19E-04	2.97E-04	3.06E-04	6.04E-04	2.93E-04	3.02E-04	5.96E-04
3748 485363.09, 3851877.25	0.00703	0.00727	1.07E-03	1.15E-03	1.01E-03	1.03E-03	9.72E-04	2.83E-04	2.93E-04	5.75E-04	2.76E-04	2.85E-04	5.62E-04	2.72E-04	2.82E-04	5.54E-04
3749 485863.09, 3851877.25	0.00655	0.00679	9.95E-04	1.08E-03	9.38E-04	9.60E-04	9.06E-04	2.64E-04	2.73E-04	5.37E-04	2.57E-04	2.67E-04	5.24E-04	2.54E-04	2.63E-04	5.17E-04
3750 486363.09, 3851877.25	0.00589	0.0061	8.95E-04	9.66E-04	8.43E-04	8.64E-04	8.15E-04	2.37E-04	2.45E-04	4.83E-04	2.31E-04	2.40E-04	4.71E-04	2.28E-04	2.36E-04	4.65E-04
3751 486863.09, 3851877.25	0.00551	0.00571	8.37E-04	9.04E-04	7.89E-04	8.08E-04	7.62E-04	2.22E-04	2.30E-04	4.52E-04	2.16E-04	2.24E-04	4.41E-04	2.14E-04	2.21E-04	4.35E-04
3752 487363.09, 3851877.25	0.00517	0.00537	7.86E-04	8.50E-04	7.40E-04	7.58E-04	7.15E-04	2.08E-04	2.16E-04	4.24E-04	2.03E-04	2.11E-04	4.14E-04	2.00E-04	2.08E-04	4.08E-04
3753 487863.09, 3851877.25	0.00468	0.00486	7.11E-04	7.69E-04	6.70E-04	6.86E-04	6.47E-04	1.88E-04	1.96E-04	3.84E-04	1.84E-04	1.91E-04	3.75E-04	1.81E-04	1.88E-04	3.70E-04
3754 488363.09, 3851877.25	0.00446	0.00464	6.78E-04	7.35E-04	6.38E-04	6.54E-04	6.17E-04	1.79E-04	1.87E-04	3.66E-04	1.75E-04	1.82E-04	3.57E-04	1.73E-04	1.80E-04	3.53E-04
3755 488863.09, 3851877.25	0.00416	0.00434	6.32E-04	6.87E-04	5.96E-04	6.10E-04	5.75E-04	1.67E-04	1.75E-04	3.42E-04	1.63E-04	1.70E-04	3.34E-04	1.61E-04	1.68E-04	3.29E-04
3756 489363.09, 3851877.25	0.0039	0.00408	5.93E-04	6.46E-04	5.58E-04	5.72E-04	5.39E-04	1.57E-04	1.64E-04	3.21E-04	1.53E-04	1.60E-04	3.13E-04	1.51E-04	1.58E-04	3.09E-04
3757 489863.09, 3851877.25	0.0037	0.00387	5.62E-04	6.13E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.56E-04	3.05E-04	1.45E-04	1.52E-04	2.97E-04	1.43E-04	1.50E-04	2.93E-04
3758 490363.09, 3851877.25	0.00356	0.00374	5.41E-04	5.92E-04	5.10E-04	5.22E-04	4.92E-04	1.43E-04	1.51E-04	2.94E-04	1.40E-04	1.47E-04	2.87E-04	1.38E-04	1.45E-04	2.83E-04

3759 490863.09, 3851877.25	0.00345	0.00364	5.24E-04	5.76E-04	4.94E-04	5.06E-04	4.77E-04	1.39E-04	1.46E-04	2.85E-04	1.35E-04	1.43E-04	2.78E-04	1.34E-04	1.41E-04	2.75E-04
3760 491363.09, 3851877.25	0.00337	0.00357	5.12E-04	5.65E-04	4.82E-04	4.94E-04	4.66E-04	1.36E-04	1.44E-04	2.79E-04	1.32E-04	1.40E-04	2.73E-04	1.31E-04	1.38E-04	2.69E-04
3761 491863.09, 3851877.25	0.00328	0.00347	4.98E-04	5.49E-04	4.70E-04	4.81E-04	4.54E-04	1.32E-04	1.40E-04	2.72E-04	1.29E-04	1.36E-04	2.65E-04	1.27E-04	1.34E-04	2.62E-04
3762 492363.09, 3851877.25	0.00312	0.00331	4.74E-04	5.24E-04	4.47E-04	4.57E-04	4.32E-04	1.26E-04	1.33E-04	2.59E-04	1.23E-04	1.30E-04	2.53E-04	1.21E-04	1.28E-04	2.49E-04
3763 492863.09, 3851877.25	0.00281	0.00297	4.27E-04	4.70E-04	4.02E-04	4.12E-04	3.89E-04	1.13E-04	1.20E-04	2.33E-04	1.10E-04	1.17E-04	2.27E-04	1.09E-04	1.15E-04	2.24E-04
3764 493363.09, 3851877.25	0.00296	0.00314	4.50E-04	4.97E-04	4.24E-04	4.34E-04	4.09E-04	1.19E-04	1.26E-04	2.45E-04	1.16E-04	1.23E-04	2.40E-04	1.15E-04	1.22E-04	2.36E-04
3765 493863.09, 3851877.25	0.0031	0.0033	4.71E-04	5.22E-04	4.44E-04	4.55E-04	4.29E-04	1.25E-04	1.33E-04	2.58E-04	1.22E-04	1.30E-04	2.51E-04	1.20E-04	1.28E-04	2.48E-04
3766 494363.09, 3851877.25	0.00297	0.00316	4.51E-04	5.00E-04	4.25E-04	4.35E-04	4.11E-04	1.20E-04	1.27E-04	2.47E-04	1.17E-04	1.24E-04	2.41E-04	1.15E-04	1.22E-04	2.38E-04
3767 494863.09, 3851877.25	0.00301	0.00322	4.57E-04	5.10E-04	4.31E-04	4.41E-04	4.16E-04	1.21E-04	1.30E-04	2.51E-04	1.18E-04	1.26E-04	2.45E-04	1.17E-04	1.25E-04	2.41E-04
3768 495363.09, 3851877.25	0.003	0.00321	4.56E-04	5.08E-04	4.29E-04	4.40E-04	4.15E-04	1.21E-04	1.29E-04	2.50E-04	1.18E-04	1.26E-04	2.44E-04	1.16E-04	1.24E-04	2.41E-04
3769 495863.09, 3851877.25	0.00297	0.00318	4.51E-04	5.03E-04	4.25E-04	4.35E-04	4.11E-04	1.20E-04	1.28E-04	2.47E-04	1.17E-04	1.25E-04	2.42E-04	1.15E-04	1.23E-04	2.38E-04
3770 496363.09, 3851877.25	0.0029	0.0031	4.41E-04	4.91E-04	4.15E-04	4.25E-04	4.01E-04	1.17E-04	1.25E-04	2.41E-04	1.14E-04	1.22E-04	2.36E-04	1.12E-04	1.20E-04	2.32E-04
3771 496863.09, 3851877.25	0.00282	0.00301	4.29E-04	4.77E-04	4.04E-04	4.13E-04	3.90E-04	1.13E-04	1.21E-04	2.35E-04	1.11E-04	1.18E-04	2.29E-04	1.09E-04	1.17E-04	2.26E-04
3772 497363.09, 3851877.25	0.00274	0.00292	4.16E-04	4.62E-04	3.92E-04	4.02E-04	3.79E-04	1.10E-04	1.18E-04	2.28E-04	1.08E-04	1.15E-04	2.22E-04	1.06E-04	1.13E-04	2.19E-04
3773 497863.09, 3851877.25	0.00261	0.00277	3.97E-04	4.39E-04	3.74E-04	3.83E-04	3.61E-04	1.05E-04	1.11E-04	2.17E-04	1.02E-04	1.09E-04	2.11E-04	1.01E-04	1.07E-04	2.08E-04
3774 498363.09, 3851877.25	0.0025	0.00264	3.80E-04	4.18E-04	3.58E-04	3.67E-04	3.46E-04	1.01E-04	1.06E-04	2.07E-04	9.82E-05	1.04E-04	2.02E-04	9.69E-05	1.02E-04	1.99E-04
3775 471363.09, 3852377.25	0.00166	0.00168	2.52E-04	2.66E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.76E-05	1.34E-04	6.52E-05	6.60E-05	1.31E-04	6.43E-05	6.51E-05	1.29E-04
3776 471863.09, 3852377.25	0.0018	0.00183	2.74E-04	2.90E-04	2.58E-04	2.64E-04	2.49E-04	7.24E-05	7.36E-05	1.46E-04	7.07E-05	7.19E-05	1.43E-04	6.97E-05	7.09E-05	1.41E-04
3777 472363.09, 3852377.25	0.00191	0.00194	2.90E-04	3.07E-04	2.73E-04	2.80E-04	2.64E-04	7.69E-05	7.81E-05	1.55E-04	7.50E-05	7.62E-05	1.51E-04	7.40E-05	7.52E-05	1.49E-04
3778 472863.09, 3852377.25	0.00201	0.00204	3.05E-04	3.23E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	8.21E-05	1.63E-04	7.89E-05	8.01E-05	1.59E-04	7.79E-05	7.90E-05	1.57E-04
3779 473363.09, 3852377.25	0.00209	0.00212	3.18E-04	3.36E-04	2.99E-04	3.06E-04	2.89E-04	8.41E-05	8.53E-05	1.69E-04	8.21E-05	8.33E-05	1.65E-04	8.10E-05	8.21E-05	1.63E-04
3780 473863.09, 3852377.25	0.00213	0.00217	3.24E-04	3.44E-04	3.05E-04	3.12E-04	2.95E-04	8.57E-05	8.73E-05	1.73E-04	8.36E-05	8.52E-05	1.69E-04	8.25E-05	8.41E-05	1.67E-04
3781 474363.09, 3852377.25	0.00218	0.00223	3.31E-04	3.53E-04	3.12E-04	3.20E-04	3.02E-04	8.77E-05	8.97E-05	1.77E-04	8.56E-05	8.76E-05	1.73E-04	8.45E-05	8.64E-05	1.71E-04
3782 474863.09, 3852377.25	0.00258	0.00264	3.92E-04	4.18E-04	3.69E-04	3.78E-04	3.57E-04	1.04E-04	1.06E-04	2.10E-04	1.01E-04	1.04E-04	2.05E-04	1.00E-04	1.02E-04	2.02E-04
3783 475363.09, 3852377.25	0.00268	0.00276	4.07E-04	4.37E-04	3.84E-04	3.93E-04	3.71E-04	1.08E-04	1.11E-04	2.19E-04	1.05E-04	1.08E-04	2.14E-04	1.04E-04	1.07E-04	2.11E-04
3784 475863.09, 3852377.25	0.00279	0.00287	4.24E-04	4.54E-04	3.99E-04	4.09E-04	3.86E-04	1.12E-04	1.15E-04	2.28E-04	1.10E-04	1.13E-04	2.22E-04	1.08E-04	1.11E-04	2.19E-04
3785 476363.09, 3852377.25	0.00288	0.00296	4.38E-04	4.69E-04	4.12E-04	4.22E-04	3.98E-04	1.16E-04	1.19E-04	2.35E-04	1.13E-04	1.16E-04	2.29E-04	1.12E-04	1.15E-04	2.26E-04
3786 476863.09, 3852377.25	0.00314	0.00321	4.77E-04	5.08E-04	4.50E-04	4.60E-04	4.34E-04	1.26E-04	1.29E-04	2.56E-04	1.23E-04	1.26E-04	2.49E-04	1.22E-04	1.24E-04	2.46E-04
3787 477363.09, 3852377.25	0.00329	0.00335	5.00E-04	5.30E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.35E-04	2.67E-04	1.29E-04	1.32E-04	2.61E-04	1.27E-04	1.30E-04	2.57E-04
3788 477863.09, 3852377.25	0.0031	0.00318	4.71E-04	5.03E-04	4.44E-04	4.55E-04	4.29E-04	1.25E-04	1.28E-04	2.53E-04	1.22E-04	1.25E-04	2.47E-04	1.20E-04	1.23E-04	2.43E-04
3789 478363.09, 3852377.25	0.00306	0.00315	4.65E-04	4.99E-04	4.38E-04	4.49E-04	4.23E-04	1.23E-04	1.27E-04	2.50E-04	1.20E-04	1.24E-04	2.44E-04	1.19E-04	1.22E-04	2.41E-04
3790 478863.09, 3852377.25	0.00375	0.00386	5.70E-04	6.11E-04	5.37E-04	5.50E-04	5.19E-04	1.51E-04	1.55E-04	3.06E-04	1.47E-04	1.52E-04	2.99E-04	1.45E-04	1.50E-04	2.95E-04
3791 479363.09, 3852377.25	0.00435	0.00449	6.61E-04	7.11E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.81E-04	3.56E-04	1.71E-04	1.76E-04	3.47E-04	1.69E-04	1.74E-04	3.43E-04
3792 479863.09, 3852377.25	0.00574	0.00592	8.72E-04	9.37E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	2.38E-04	4.69E-04	2.25E-04	2.32E-04	4.58E-04	2.22E-04	2.29E-04	4.52E-04
3793 480363.09, 3852377.25	0.00745	0.00759	1.13E-03	1.20E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	3.05E-04	6.05E-04	2.93E-04	2.98E-04	5.91E-04	2.89E-04	2.94E-04	5.83E-04
3794 480863.09, 3852377.25	0.0097	0.00988	1.47E-03	1.56E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.98E-04	7.88E-04	3.81E-04	3.88E-04	7.69E-04	3.76E-04	3.83E-04	7.59E-04
3795 481363.09, 3852377.25	0.01581	0.01604	2.40E-03	2.54E-03	2.26E-03	2.32E-03	2.19E-03	6.36E-04	6.46E-04	1.28E-03	6.21E-04	6.30E-04	1.25E-03	6.13E-04	6.22E-04	1.23E-03
3796 481863.09, 3852377.25	0.0901	0.09158	1.37E-02	1.45E-02	1.29E-02	1.32E-02	1.25E-02	3.63E-03	3.69E-03	7.31E-03	3.54E-03	3.60E-03	7.13E-03	3.49E-03	3.55E-03	7.04E-03
3797 482363.09, 3852377.25	0.05024	0.05052	7.63E-03	8.00E-03	7.19E-03	7.37E-03	6.95E-03	2.02E-03	2.03E-03	4.05E-03	1.97E-03	1.98E-03	3.96E-03	1.95E-03	1.96E-03	3.90E-03
3798 482863.09, 3852377.25	0.02127	0.02177	3.23E-03	3.45E-03	3.05E-03	3.12E-03	2.94E-03	8.56E-04	8.76E-04	1.73E-03	8.35E-04	8.55E-04	1.69E-03	8.24E-04	8.44E-04	1.67E-03
3799 483363.09, 3852377.25	0.01305	0.01347	1.98E-03	2.13E-03	1.87E-03	1.91E-03	1.80E-03	5.25E-04	5.42E-04	1.07E-03	5.12E-04	5.29E-04	1.04E-03	5.06E-04	5.22E-04	1.03E-03
3800 483863.09, 3852377.25	0.01005	0.0104	1.53E-03	1.65E-03	1.44E-03	1.47E-03	1.39E-03	4.04E-04	4.19E-04	8.23E-04	3.95E-04	4.08E-04	8.03E-04	3.89E-04	4.03E-04	7.92E-04
3801 484363.09, 3852377.25	0.00919	0.00957	1.40E-03	1.52E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.85E-04	7.55E-04	3.61E-04	3.76E-04	7.37E-04	3.56E-04	3.71E-04	7.27E-04
3802 484863.09, 3852377.25	0.0084	0.00877	1.28E-03	1.39E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.53E-04	6.91E-04	3.30E-04	3.44E-04	6.74E-04	3.25E-04	3.40E-04	6.65E-04
3803 485363.09, 3852377.25	0.00773	0.00811	1.17E-03	1.28E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.26E-04	6.37E-04	3.04E-04	3.18E-04	6.22E-04	3.00E-04	3.14E-04	6.14E-04
3804 485863.09, 3852377.25	0.00684	0.00721	1.04E-03	1.14E-03	9.79E-04	1.00E-03	9.46E-04	2.75E-04	2.90E-04	5.65E-04	2.69E-04	2.83E-04	5.52E-04	2.65E-04	2.79E-04	5.44E-04
3805 486363.09, 3852377.25	0.00598	0.0063	9.09E-04	9.97E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.54E-04	4.94E-04	2.35E-04	2.47E-04	4.82E-04	2.32E-04	2.44E-04	4.76E-04
3806 486863.09, 3852377.25	0.00551	0.00581	8.37E-04	9.20E-04	7.89E-04	8.08E-04	7.62E-04	2.22E-04	2.34E-04	4.56E-04	2.16E-04	2.28E-04	4.45E-04	2.14E-04	2.25E-04	4.39E-04
3807 487363.09, 3852377.25	0.00503	0.00531	7.64E-04	8.41E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.14E-04	4.16E-04	1.98E-04	2.09E-04	4.06E-04	1.95E-04	2.06E-04	4.01E-04
3808 487863.09, 3852377.25	0.00461	0.00488	7.00E-04	7.73E-04	6.60E-04	6.76E-04	6.38E-04	1.86E-04	1.96E-04	3.82E-04	1.81E-04	1.92E-04	3.73E-04	1.79E-04	1.89E-04	3.68E-04
3809 488363.09, 3852377.25	0.00426	0.00451	6.47E-04	7.14E-04	6.10E-04	6.25E-04	5.89E-04	1.71E-04	1.81E-04	3.53E-04	1.67E-04	1.77E-04	3.44E-04	1.65E-04	1.75E-04	3.40E-04
3810 488863.09, 3852377.25	0.00392	0.00417	5.96E-04	6.60E-04	5.61E-04	5.75E-04	5.42E-04	1.58E-04	1.68E-04	3.26E-04	1.54E-04	1.64E-04	3.18E-04	1.52E-04	1.62E-04	3.13E-04
3811 489363.09, 3852377.25	0.00367	0.00391	5.58E-04	6.19E-04	5.25E-04	5.38E-04	5.08E-04	1.48E-04	1.57E-04	3.05E-04	1.44E-04	1.54E-04	2.98E-04	1.42E-04	1.52E-04	2.94E-04
3812 489863.09, 3852377.25	0.00339	0.00362	5.15E-04	5.73E-04	4.85E-04	4.97E-04	4.69E-04	1.36E-04	1.46E-04	2.82E-04	1.33E-04	1.42E-04	2.75E-04	1.31E-04	1.40E-04	2.72E-04
3813 490363.09, 3852377.25	0.00342	0.00366	5.20E-04	5.79E-04	4.90E-04	5.01E-04	4.73E-04	1.38E-04	1.47E-04	2.85E-04	1.34E-04	1.44E-04	2.78E-04	1.33E-04	1.42E-04	2.74E-04
3814 490863.09, 3852377.25	0.0034	0.00365	5.17E-04	5.78E-04	4.87E-04	4.99E-04	4.70E-04	1.37E-04	1.47E-04	2.84E-04	1.34E-04	1.43E-04	2.77E-04	1.32E-04	1.41E-04	2.73E-04
3815 491363.09, 3852377.25	0.00352	0.0038	5.35E-04	6.02E-04	5.04E-04	5.16E-04	4.87E-04	1.42E-04	1.53E-04	2.95E-04	1.38E-04	1.49E-04	2.87E-04	1.36E-04	1.47E-04	2.84E-04
3816 491863.09, 3852377.25	0.00344	0.00372	5.23E-04	5.89E-04	4.92E-04	5.04E-04	4.76E-04	1.38E-04	1.50E-04	2.88E-04	1.35E-04	1.46E-04	2.81E-04	1.33E-04	1.44E-04	2.77E-04
3817 492363.09, 3852377.25	0.00335	0.00362	5.09E-04	5.73E-04	4.80E-04	4.91E-04	4.63E-04	1.35E-04	1.46E-04	2.80E-04	1.32E-04	1.42E-04	2.74E-04	1.30E-04	1.40E-04	2.70E-04
3818 492863.09, 3852377.25	0.00333	0.00361	5.06E-04	5.72E-04	4.77E-04	4.88E-04	4.61E-04	1.34E-04	1.45E-04	2.79E-04	1.31E-04	1.42E-04	2.73E-04	1.29E-04	1.40E-04	2.69E-04
3819 493363.09, 3852377.25	0.00338	0.00368	5.14E-04	5.83E-04	4.84E-04	4.96E-04	4.67E-04	1.36E-04	1.48E-04	2.84E-04	1.33E-04	1.45E-04	2.77E-04	1.31E-04	1.43E-04	2.74E-04
3820 493863.09, 3852377.25	0.00328	0.00356	4.98E-04	5.64E-04	4.70E-04	4.81E-04	4.54E-04	1.32E-04	1.43E-04	2.75E-04	1.29E-04	1.40E-04	2.69E-04	1.27E-04	1.38E-04	2.65E-04
3821 494363.09, 3852377.25	0.00319	0.00346	4.85E-04	5.48E-04	4.57E-04	4.68E-04	4.41E-04	1.28E-04	1.39E-04	2.68E-04	1.25E-04	1.36E-04	2.61E-04	1.24E-04	1.34E-04	2.58E-04
3822 494863.09, 3852377.25	0.00319	0.00346	4.85E-04	5.48E-04	4.57E-04	4.68E-04	4.41E-04	1.28E-04	1.39E-04	2.68E-04	1.25E-04	1.36E-04	2.61E-04	1.24E-04	1.34E-04	2.58E-04
3823 495363.09, 3852377.25	0.00318	0.00346	4.83E-04	5.48E-04	4.55E-04	4.66E-04	4.40E-04	1.28E-04	1.39E-04	2.67E-04	1.25E-04	1.36E-04	2.61E-04	1.23E-04	1.34E-04	2.57E-04
3824 495863.09, 3852377.25	0.00308	0.00334	4.68E-04	5.29E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.34E-04	2.58E-04	1.21E-04	1.31E-04	2.52E-04	1.19E-04	1.29E-04	2.49E-04

3825 496363.09, 3852377.25	0.00297	0.00321	4.51E-04	5.08E-04	4.25E-04	4.35E-04	4.11E-04	1.20E-04	1.29E-04	2.49E-04	1.17E-04	1.26E-04	2.43E-04	1.15E-04	1.24E-04	2.39E-04
3826 496863.09, 3852377.25	0.00289	0.00312	4.39E-04	4.94E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.26E-04	2.42E-04	1.13E-04	1.23E-04	2.36E-04	1.12E-04	1.21E-04	2.33E-04
3827 497363.09, 3852377.25	0.00275	0.00295	4.18E-04	4.67E-04	3.94E-04	4.03E-04	3.80E-04	1.11E-04	1.19E-04	2.29E-04	1.08E-04	1.16E-04	2.24E-04	1.07E-04	1.14E-04	2.21E-04
3828 497863.09, 3852377.25	0.00259	0.00276	3.94E-04	4.37E-04	3.71E-04	3.80E-04	3.58E-04	1.04E-04	1.11E-04	2.15E-04	1.02E-04	1.08E-04	2.10E-04	1.00E-04	1.07E-04	2.07E-04
3829 498363.09, 3852377.25	0.00246	0.0026	3.74E-04	4.12E-04	3.52E-04	3.61E-04	3.40E-04	9.90E-05	1.05E-04	2.04E-04	9.66E-05	1.02E-04	1.99E-04	9.53E-05	1.01E-04	1.96E-04
3830 471363.09, 3852877.25	0.00161	0.00163	2.45E-04	2.58E-04	2.30E-04	2.36E-04	2.23E-04	6.48E-05	6.56E-05	1.30E-04	6.32E-05	6.40E-05	1.27E-04	6.24E-05	6.32E-05	1.26E-04
3831 471863.09, 3852877.25	0.00171	0.00173	2.60E-04	2.74E-04	2.45E-04	2.51E-04	2.37E-04	6.88E-05	6.96E-05	1.38E-04	6.72E-05	6.79E-05	1.35E-04	6.63E-05	6.70E-05	1.33E-04
3832 472363.09, 3852877.25	0.0018	0.00182	2.74E-04	2.88E-04	2.58E-04	2.64E-04	2.49E-04	7.24E-05	7.32E-05	1.46E-04	7.07E-05	7.15E-05	1.42E-04	6.97E-05	7.05E-05	1.40E-04
3833 472863.09, 3852877.25	0.00188	0.0019	2.86E-04	3.01E-04	2.69E-04	2.76E-04	2.60E-04	7.57E-05	7.65E-05	1.52E-04	7.38E-05	7.46E-05	1.48E-04	7.28E-05	7.36E-05	1.46E-04
3834 473363.09, 3852877.25	0.00198	0.00201	3.01E-04	3.18E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.09E-05	1.61E-04	7.78E-05	7.89E-05	1.57E-04	7.67E-05	7.79E-05	1.55E-04
3835 473863.09, 3852877.25	0.0021	0.00213	3.19E-04	3.37E-04	3.01E-04	3.08E-04	2.90E-04	8.45E-05	8.57E-05	1.70E-04	8.25E-05	8.36E-05	1.66E-04	8.14E-05	8.25E-05	1.64E-04
3836 474363.09, 3852877.25	0.00223	0.00226	3.39E-04	3.58E-04	3.19E-04	3.27E-04	3.08E-04	8.97E-05	9.09E-05	1.81E-04	8.76E-05	8.87E-05	1.76E-04	8.64E-05	8.76E-05	1.74E-04
3837 474863.09, 3852877.25	0.00219	0.00222	3.33E-04	3.51E-04	3.14E-04	3.21E-04	3.03E-04	8.81E-05	8.93E-05	1.77E-04	8.60E-05	8.72E-05	1.73E-04	8.49E-05	8.60E-05	1.71E-04
3838 475363.09, 3852877.25	0.00235	0.0024	3.57E-04	3.80E-04	3.36E-04	3.45E-04	3.25E-04	9.46E-05	9.66E-05	1.91E-04	9.23E-05	9.42E-05	1.87E-04	9.11E-05	9.30E-05	1.84E-04
3839 475863.09, 3852877.25	0.00244	0.00249	3.71E-04	3.94E-04	3.49E-04	3.58E-04	3.37E-04	9.82E-05	1.00E-04	1.98E-04	9.58E-05	9.78E-05	1.94E-04	9.45E-05	9.65E-05	1.91E-04
3840 476363.09, 3852877.25	0.00243	0.00251	3.69E-04	3.97E-04	3.48E-04	3.56E-04	3.36E-04	9.78E-05	1.01E-04	1.99E-04	9.54E-05	9.86E-05	1.94E-04	9.42E-05	9.73E-05	1.91E-04
3841 476863.09, 3852877.25	0.00237	0.00246	3.60E-04	3.89E-04	3.39E-04	3.48E-04	3.28E-04	9.54E-05	9.90E-05	1.94E-04	9.31E-05	9.66E-05	1.90E-04	9.18E-05	9.53E-05	1.87E-04
3842 477363.09, 3852877.25	0.00236	0.00243	3.59E-04	3.85E-04	3.38E-04	3.46E-04	3.26E-04	9.50E-05	9.78E-05	1.93E-04	9.27E-05	9.54E-05	1.88E-04	9.14E-05	9.42E-05	1.86E-04
3843 477863.09, 3852877.25	0.00231	0.00237	3.51E-04	3.75E-04	3.31E-04	3.39E-04	3.19E-04	9.30E-05	9.54E-05	1.88E-04	9.07E-05	9.31E-05	1.84E-04	8.95E-05	9.18E-05	1.81E-04
3844 478363.09, 3852877.25	0.00217	0.00222	3.30E-04	3.51E-04	3.11E-04	3.18E-04	3.00E-04	8.73E-05	8.93E-05	1.77E-04	8.52E-05	8.72E-05	1.72E-04	8.41E-05	8.60E-05	1.70E-04
3845 478863.09, 3852877.25	0.00243	0.0025	3.69E-04	3.96E-04	3.48E-04	3.56E-04	3.36E-04	9.78E-05	1.01E-04	1.98E-04	9.54E-05	9.82E-05	1.94E-04	9.42E-05	9.69E-05	1.91E-04
3846 479363.09, 3852877.25	0.00295	0.00305	4.48E-04	4.83E-04	4.22E-04	4.33E-04	4.08E-04	1.19E-04	1.23E-04	2.41E-04	1.16E-04	1.20E-04	2.36E-04	1.14E-04	1.18E-04	2.32E-04
3847 479863.09, 3852877.25	0.00405	0.00423	6.15E-04	6.70E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.70E-04	3.33E-04	1.59E-04	1.66E-04	3.25E-04	1.57E-04	1.64E-04	3.21E-04
3848 480363.09, 3852877.25	0.0056	0.00581	8.51E-04	9.20E-04	8.02E-04	8.21E-04	7.75E-04	2.25E-04	2.34E-04	4.59E-04	2.20E-04	2.28E-04	4.48E-04	2.17E-04	2.25E-04	4.42E-04
3849 480863.09, 3852877.25	0.00696	0.00714	1.06E-03	1.13E-03	9.96E-04	1.02E-03	9.63E-04	2.80E-04	2.87E-04	5.67E-04	2.73E-04	2.80E-04	5.54E-04	2.70E-04	2.77E-04	5.46E-04
3850 481363.09, 3852877.25	0.00944	0.00964	1.43E-03	1.53E-03	1.35E-03	1.38E-03	1.31E-03	3.80E-04	3.88E-04	7.68E-04	3.71E-04	3.79E-04	7.49E-04	3.66E-04	3.74E-04	7.39E-04
3851 481863.09, 3852877.25	0.01584	0.0161	2.41E-03	2.55E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	6.48E-04	1.29E-03	6.22E-04	6.32E-04	1.25E-03	6.14E-04	6.24E-04	1.24E-03
3852 482363.09, 3852877.25	0.10859	0.11059	1.65E-02	1.75E-02	1.55E-02	1.59E-02	1.50E-02	4.37E-03	4.45E-03	8.82E-03	4.26E-03	4.34E-03	8.61E-03	4.21E-03	4.29E-03	8.49E-03
3853 482863.09, 3852877.25	0.0466	0.04747	7.08E-03	7.52E-03	6.67E-03	6.83E-03	6.45E-03	1.88E-03	1.91E-03	3.79E-03	1.83E-03	1.86E-03	3.69E-03	1.81E-03	1.84E-03	3.65E-03
3854 483363.09, 3852877.25	0.01949	0.02021	2.96E-03	3.20E-03	2.79E-03	2.86E-03	2.70E-03	7.84E-04	8.13E-04	1.60E-03	7.65E-04	7.94E-04	1.56E-03	7.55E-04	7.83E-04	1.54E-03
3855 483863.09, 3852877.25	0.01126	0.01185	1.71E-03	1.88E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	4.77E-04	9.30E-04	4.42E-04	4.65E-04	9.08E-04	4.36E-04	4.59E-04	8.95E-04
3856 484363.09, 3852877.25	0.01008	0.01073	1.53E-03	1.70E-03	1.44E-03	1.48E-03	1.39E-03	4.06E-04	4.32E-04	8.37E-04	3.96E-04	4.21E-04	8.17E-04	3.91E-04	4.16E-04	8.06E-04
3857 484863.09, 3852877.25	0.00905	0.00972	1.38E-03	1.54E-03	1.30E-03	1.33E-03	1.25E-03	3.64E-04	3.91E-04	7.55E-04	3.55E-04	3.82E-04	7.37E-04	3.51E-04	3.77E-04	7.27E-04
3858 485363.09, 3852877.25	0.00714	0.00769	1.08E-03	1.22E-03	1.02E-03	1.05E-03	9.88E-04	2.87E-04	3.09E-04	5.97E-04	2.80E-04	3.02E-04	5.82E-04	2.77E-04	2.98E-04	5.75E-04
3859 485863.09, 3852877.25	0.00625	0.00678	9.50E-04	1.07E-03	8.95E-04	9.16E-04	8.64E-04	2.52E-04	2.73E-04	5.24E-04	2.45E-04	2.66E-04	5.12E-04	2.42E-04	2.63E-04	5.05E-04
3860 486363.09, 3852877.25	0.00555	0.00603	8.43E-04	9.55E-04	7.95E-04	8.14E-04	7.68E-04	2.23E-04	2.43E-04	4.66E-04	2.18E-04	2.37E-04	4.55E-04	2.15E-04	2.34E-04	4.49E-04
3861 486863.09, 3852877.25	0.00514	0.0056	7.81E-04	8.87E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	2.25E-04	4.32E-04	2.02E-04	2.20E-04	4.22E-04	1.99E-04	2.17E-04	4.16E-04
3862 487363.09, 3852877.25	0.00469	0.00512	7.13E-04	8.11E-04	6.71E-04	6.88E-04	6.49E-04	1.89E-04	2.06E-04	3.95E-04	1.84E-04	2.01E-04	3.85E-04	1.82E-04	1.98E-04	3.80E-04
3863 487863.09, 3852877.25	0.00436	0.00477	6.63E-04	7.55E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.92E-04	3.67E-04	1.71E-04	1.87E-04	3.59E-04	1.69E-04	1.85E-04	3.54E-04
3864 488363.09, 3852877.25	0.00365	0.00398	5.55E-04	6.30E-04	5.23E-04	5.35E-04	5.05E-04	1.47E-04	1.60E-04	3.07E-04	1.43E-04	1.56E-04	3.00E-04	1.41E-04	1.54E-04	2.96E-04
3865 488863.09, 3852877.25	0.00363	0.00397	5.52E-04	6.29E-04	5.20E-04	5.32E-04	5.02E-04	1.46E-04	1.60E-04	3.06E-04	1.43E-04	1.56E-04	2.98E-04	1.41E-04	1.54E-04	2.94E-04
3866 489363.09, 3852877.25	0.00353	0.00387	5.36E-04	6.13E-04	5.05E-04	5.18E-04	4.88E-04	1.42E-04	1.56E-04	2.98E-04	1.39E-04	1.52E-04	2.91E-04	1.37E-04	1.50E-04	2.87E-04
3867 489863.09, 3852877.25	0.00343	0.00377	5.21E-04	5.97E-04	4.91E-04	5.03E-04	4.74E-04	1.38E-04	1.52E-04	2.90E-04	1.35E-04	1.48E-04	2.83E-04	1.33E-04	1.46E-04	2.79E-04
3868 490363.09, 3852877.25	0.00369	0.00408	5.61E-04	6.46E-04	5.28E-04	5.41E-04	5.10E-04	1.48E-04	1.64E-04	3.13E-04	1.45E-04	1.60E-04	3.05E-04	1.43E-04	1.58E-04	3.01E-04
3869 490863.09, 3852877.25	0.0037	0.00411	5.62E-04	6.51E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.65E-04	3.14E-04	1.45E-04	1.61E-04	3.07E-04	1.43E-04	1.59E-04	3.03E-04
3870 491363.09, 3852877.25	0.0037	0.00412	5.62E-04	6.52E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.66E-04	3.15E-04	1.45E-04	1.62E-04	3.07E-04	1.43E-04	1.60E-04	3.03E-04
3871 491863.09, 3852877.25	0.00364	0.00404	5.53E-04	6.40E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.63E-04	3.09E-04	1.43E-04	1.59E-04	3.02E-04	1.41E-04	1.57E-04	2.98E-04
3872 492363.09, 3852877.25	0.00359	0.004	5.46E-04	6.33E-04	5.14E-04	5.26E-04	4.97E-04	1.44E-04	1.61E-04	3.05E-04	1.41E-04	1.57E-04	2.98E-04	1.39E-04	1.55E-04	2.94E-04
3873 492863.09, 3852877.25	0.0036	0.00403	5.47E-04	6.38E-04	5.15E-04	5.28E-04	4.98E-04	1.45E-04	1.62E-04	3.07E-04	1.41E-04	1.58E-04	3.00E-04	1.39E-04	1.56E-04	2.96E-04
3874 493363.09, 3852877.25	0.00358	0.004	5.44E-04	6.33E-04	5.13E-04	5.25E-04	4.95E-04	1.44E-04	1.61E-04	3.05E-04	1.41E-04	1.57E-04	2.98E-04	1.39E-04	1.55E-04	2.94E-04
3875 493863.09, 3852877.25	0.00348	0.00388	5.29E-04	6.14E-04	4.98E-04	5.10E-04	4.81E-04	1.40E-04	1.56E-04	2.96E-04	1.37E-04	1.52E-04	2.89E-04	1.35E-04	1.50E-04	2.85E-04
3876 494363.09, 3852877.25	0.0034	0.00378	5.17E-04	5.98E-04	4.87E-04	4.99E-04	4.70E-04	1.37E-04	1.52E-04	2.89E-04	1.34E-04	1.48E-04	2.82E-04	1.32E-04	1.46E-04	2.78E-04
3877 494863.09, 3852877.25	0.00335	0.00371	5.09E-04	5.87E-04	4.80E-04	4.91E-04	4.63E-04	1.35E-04	1.49E-04	2.84E-04	1.32E-04	1.46E-04	2.77E-04	1.30E-04	1.44E-04	2.74E-04
3878 495363.09, 3852877.25	0.00322	0.00355	4.89E-04	5.62E-04	4.61E-04	4.72E-04	4.45E-04	1.30E-04	1.43E-04	2.72E-04	1.26E-04	1.39E-04	2.66E-04	1.25E-04	1.38E-04	2.62E-04
3879 495863.09, 3852877.25	0.0031	0.0034	4.71E-04	5.38E-04	4.44E-04	4.55E-04	4.29E-04	1.25E-04	1.37E-04	2.62E-04	1.22E-04	1.34E-04	2.55E-04	1.20E-04	1.32E-04	2.52E-04
3880 496363.09, 3852877.25	0.00304	0.00332	4.62E-04	5.26E-04	4.35E-04	4.46E-04	4.20E-04	1.22E-04	1.34E-04	2.56E-04	1.19E-04	1.30E-04	2.50E-04	1.18E-04	1.29E-04	2.46E-04
3881 496863.09, 3852877.25	0.00294	0.00321	4.47E-04	5.08E-04	4.21E-04	4.31E-04	4.07E-04	1.18E-04	1.29E-04	2.47E-04	1.15E-04	1.26E-04	2.42E-04	1.14E-04	1.24E-04	2.38E-04
3882 497363.09, 3852877.25	0.00274	0.00296	4.16E-04	4.69E-04	3.92E-04	4.02E-04	3.79E-04	1.10E-04	1.19E-04	2.29E-04	1.08E-04	1.16E-04	2.24E-04	1.06E-04	1.15E-04	2.21E-04
3883 497863.09, 3852877.25	0.00243	0.00257	3.69E-04	4.07E-04	3.48E-04	3.56E-04	3.36E-04	9.78E-05	1.03E-04	2.01E-04	9.54E-05	1.01E-04	1.96E-04	9.42E-05	9.96E-05	1.94E-04
3884 498363.09, 3852877.25	0.00236	0.00248	3.59E-04	3.93E-04	3.38E-04	3.46E-04	3.26E-04	9.50E-05	9.98E-05	1.95E-04	9.27E-05	9.74E-05	1.90E-04	9.14E-05	9.61E-05	1.88E-04
3885 471363.09, 3853377.25	0.00156	0.00158	2.37E-04	2.50E-04	2.23E-04	2.29E-04	2.16E-04	6.28E-05	6.36E-05	1.26E-04	6.13E-05	6.20E-05	1.23E-04	6.04E-05	6.12E-05	1.22E-04
3886 471863.09, 3853377.25	0.00164	0.00166	2.49E-04	2.63E-04	2.35E-04	2.40E-04	2.27E-04	6.60E-05	6.68E-05	1.33E-04	6.44E-05	6.52E-05	1.30E-04	6.35E-05	6.43E-05	1.28E-04
3887 472363.09, 3853377.25	0.0017	0.00173	2.58E-04	2.74E-04	2.43E-04	2.49E-04	2.35E-04	6.84E-05	6.96E-05	1.38E-04	6.68E-05	6.79E-05	1.35E-04	6.59E-05	6.70E-05	1.33E-04
3888 472863.09, 3853377.25	0.00178	0.0018	2.70E-04	2.85E-04	2.55E-04	2.61E-04	2.46E-04	7.16E-05	7.24E-05	1.44E-04	6.99E-05	7.07E-05	1.41E-04	6.90E-05	6.97E-05	1.39E-04
3889 473363.09, 3853377.25	0.00184	0.00187	2.80E-04	2.96E-04	2.63E-04	2.70E-04	2.54E-04	7.40E-05	7.53E-05	1.49E-04	7.23E-05	7.34E-05	1.46E-04	7.13E-05	7.25E-05	1.44E-04
3890 473863.09, 3853377.25	0.00191	0.00194	2.90E-04	3.07E-04	2.73E-04	2.80E-04	2.64E-04	7.69E-05	7.81E-05	1.55E-04	7.50E-05	7.62E-05	1.51E-04	7.40E-05	7.52E-05	1.49E-04

3891 474363.09, 3853377.25	0.00198	0.00201	3.01E-04	3.18E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.09E-05	1.61E-04	7.78E-05	7.89E-05	1.57E-04	7.67E-05	7.79E-05	1.55E-04
3892 474863.09, 3853377.25	0.00198	0.00201	3.01E-04	3.18E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.09E-05	1.61E-04	7.78E-05	7.89E-05	1.57E-04	7.67E-05	7.79E-05	1.55E-04
3893 475363.09, 3853377.25	0.00203	0.00206	3.08E-04	3.26E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	8.29E-05	1.65E-04	7.97E-05	8.09E-05	1.61E-04	7.87E-05	7.98E-05	1.58E-04
3894 475863.09, 3853377.25	0.00209	0.00211	3.18E-04	3.34E-04	2.99E-04	3.06E-04	2.89E-04	8.41E-05	8.49E-05	1.69E-04	8.21E-05	8.29E-05	1.65E-04	8.10E-05	8.18E-05	1.63E-04
3895 476363.09, 3853377.25	0.00207	0.00209	3.15E-04	3.31E-04	2.96E-04	3.04E-04	2.86E-04	8.33E-05	8.41E-05	1.67E-04	8.13E-05	8.21E-05	1.63E-04	8.02E-05	8.10E-05	1.61E-04
3896 476863.09, 3853377.25	0.002	0.00202	3.04E-04	3.20E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.13E-05	1.62E-04	7.85E-05	7.93E-05	1.58E-04	7.75E-05	7.83E-05	1.56E-04
3897 477363.09, 3853377.25	0.00204	0.00207	3.10E-04	3.28E-04	2.92E-04	2.99E-04	2.82E-04	8.21E-05	8.33E-05	1.65E-04	8.01E-05	8.13E-05	1.61E-04	7.90E-05	8.02E-05	1.59E-04
3898 477863.09, 3853377.25	0.0021	0.00213	3.19E-04	3.37E-04	3.01E-04	3.08E-04	2.90E-04	8.45E-05	8.57E-05	1.70E-04	8.25E-05	8.36E-05	1.66E-04	8.14E-05	8.25E-05	1.64E-04
3899 478363.09, 3853377.25	0.00203	0.00206	3.08E-04	3.26E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	8.29E-05	1.65E-04	7.97E-05	8.09E-05	1.61E-04	7.87E-05	7.98E-05	1.58E-04
3900 478863.09, 3853377.25	0.00196	0.00197	2.98E-04	3.12E-04	2.81E-04	2.87E-04	2.71E-04	7.89E-05	7.93E-05	1.58E-04	7.70E-05	7.74E-05	1.54E-04	7.59E-05	7.63E-05	1.52E-04
3901 479363.09, 3853377.25	0.00242	0.00247	3.68E-04	3.91E-04	3.46E-04	3.55E-04	3.35E-04	9.74E-05	9.94E-05	1.97E-04	9.50E-05	9.70E-05	1.92E-04	9.38E-05	9.57E-05	1.89E-04
3902 479863.09, 3853377.25	0.00302	0.00312	4.59E-04	4.94E-04	4.32E-04	4.43E-04	4.18E-04	1.22E-04	1.26E-04	2.47E-04	1.19E-04	1.23E-04	2.41E-04	1.17E-04	1.21E-04	2.38E-04
3903 480363.09, 3853377.25	0.00416	0.00432	6.32E-04	6.84E-04	5.96E-04	6.10E-04	5.75E-04	1.67E-04	1.74E-04	3.41E-04	1.63E-04	1.70E-04	3.33E-04	1.61E-04	1.67E-04	3.29E-04
3904 480863.09, 3853377.25	0.00441	0.00467	6.70E-04	7.39E-04	6.31E-04	6.47E-04	6.10E-04	1.77E-04	1.88E-04	3.65E-04	1.73E-04	1.83E-04	3.57E-04	1.71E-04	1.81E-04	3.52E-04
3905 481363.09, 3853377.25	0.00642	0.00664	9.76E-04	1.05E-03	9.19E-04	9.41E-04	8.88E-04	2.58E-04	2.67E-04	5.26E-04	2.52E-04	2.61E-04	5.13E-04	2.49E-04	2.57E-04	5.06E-04
3906 481863.09, 3853377.25	0.0101	0.01021	1.53E-03	1.62E-03	1.45E-03	1.48E-03	1.40E-03	4.06E-04	4.11E-04	8.17E-04	3.97E-04	4.01E-04	7.98E-04	3.91E-04	3.96E-04	7.87E-04
3907 482363.09, 3853377.25	0.01984	0.01981	3.01E-03	3.14E-03	2.84E-03	2.91E-03	2.74E-03	7.98E-04	7.97E-04	1.60E-03	7.79E-04	7.78E-04	1.56E-03	7.69E-04	7.68E-04	1.54E-03
3908 482863.09, 3853377.25	0.12947	0.1421	1.97E-02	2.25E-02	1.85E-02	1.90E-02	1.79E-02	5.21E-03	5.72E-03	1.09E-02	5.08E-03	5.58E-03	1.07E-02	5.02E-03	5.51E-03	1.05E-02
3909 483363.09, 3853377.25	0.02529	0.02743	3.84E-03	4.34E-03	3.62E-03	3.71E-03	3.50E-03	1.02E-03	1.10E-03	2.12E-03	9.93E-04	1.08E-03	2.07E-03	9.80E-04	1.06E-03	2.04E-03
3910 483863.09, 3853377.25	0.01484	0.01655	2.25E-03	2.62E-03	2.12E-03	2.18E-03	2.05E-03	5.97E-04	6.66E-04	1.26E-03	5.83E-04	6.50E-04	1.23E-03	5.75E-04	6.41E-04	1.22E-03
3911 484363.09, 3853377.25	0.01136	0.01298	1.73E-03	2.06E-03	1.63E-03	1.67E-03	1.57E-03	4.57E-04	5.22E-04	9.80E-04	4.46E-04	5.10E-04	9.56E-04	4.40E-04	5.03E-04	9.43E-04
3912 484863.09, 3853377.25	0.00831	0.00973	1.26E-03	1.54E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.92E-04	7.26E-04	3.26E-04	3.82E-04	7.08E-04	3.22E-04	3.77E-04	6.99E-04
3913 485363.09, 3853377.25	0.00639	0.00745	9.71E-04	1.18E-03	9.15E-04	9.37E-04	8.84E-04	2.57E-04	3.00E-04	5.57E-04	2.51E-04	2.93E-04	5.43E-04	2.48E-04	2.89E-04	5.36E-04
3914 485863.09, 3853377.25	0.00537	0.00622	8.16E-04	9.85E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.50E-04	4.66E-04	2.11E-04	2.44E-04	4.55E-04	2.08E-04	2.41E-04	4.49E-04
3915 486363.09, 3853377.25	0.00512	0.00595	7.78E-04	9.42E-04	7.33E-04	7.51E-04	7.08E-04	2.06E-04	2.39E-04	4.45E-04	2.01E-04	2.34E-04	4.35E-04	1.98E-04	2.31E-04	4.29E-04
3916 486863.09, 3853377.25	0.00484	0.00564	7.35E-04	8.93E-04	6.93E-04	7.10E-04	6.69E-04	1.95E-04	2.27E-04	4.22E-04	1.90E-04	2.21E-04	4.12E-04	1.88E-04	2.19E-04	4.06E-04
3917 487363.09, 3853377.25	0.00471	0.00552	7.16E-04	8.74E-04	6.74E-04	6.91E-04	6.51E-04	1.90E-04	2.22E-04	4.12E-04	1.85E-04	2.17E-04	4.02E-04	1.83E-04	2.14E-04	3.96E-04
3918 487863.09, 3853377.25	0.00456	0.00535	6.93E-04	8.47E-04	6.53E-04	6.69E-04	6.31E-04	1.84E-04	2.15E-04	3.99E-04	1.79E-04	2.10E-04	3.89E-04	1.77E-04	2.07E-04	3.84E-04
3919 488363.09, 3853377.25	0.00447	0.00525	6.79E-04	8.31E-04	6.40E-04	6.55E-04	6.18E-04	1.80E-04	2.11E-04	3.91E-04	1.76E-04	2.06E-04	3.82E-04	1.73E-04	2.03E-04	3.77E-04
3920 488863.09, 3853377.25	0.0043	0.00504	6.53E-04	7.98E-04	6.16E-04	6.30E-04	5.95E-04	1.73E-04	2.03E-04	3.76E-04	1.69E-04	1.98E-04	3.67E-04	1.67E-04	1.95E-04	3.62E-04
3921 489363.09, 3853377.25	0.00415	0.00486	6.31E-04	7.69E-04	5.94E-04	6.09E-04	5.74E-04	1.67E-04	1.96E-04	3.63E-04	1.63E-04	1.91E-04	3.54E-04	1.61E-04	1.88E-04	3.49E-04
3922 489863.09, 3853377.25	0.00399	0.00464	6.06E-04	7.35E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.87E-04	3.47E-04	1.57E-04	1.82E-04	3.39E-04	1.55E-04	1.80E-04	3.34E-04
3923 490363.09, 3853377.25	0.00398	0.00463	6.05E-04	7.33E-04	5.70E-04	5.84E-04	5.50E-04	1.60E-04	1.86E-04	3.46E-04	1.56E-04	1.82E-04	3.38E-04	1.54E-04	1.79E-04	3.34E-04
3924 490863.09, 3853377.25	0.00393	0.00457	5.97E-04	7.24E-04	5.63E-04	5.76E-04	5.44E-04	1.58E-04	1.84E-04	3.42E-04	1.54E-04	1.79E-04	3.34E-04	1.52E-04	1.77E-04	3.29E-04
3925 491363.09, 3853377.25	0.00388	0.0045	5.90E-04	7.12E-04	5.55E-04	5.69E-04	5.37E-04	1.56E-04	1.81E-04	3.37E-04	1.52E-04	1.77E-04	3.29E-04	1.50E-04	1.74E-04	3.25E-04
3926 491863.09, 3853377.25	0.00382	0.00441	5.80E-04	6.98E-04	5.47E-04	5.60E-04	5.28E-04	1.54E-04	1.77E-04	3.31E-04	1.50E-04	1.73E-04	3.23E-04	1.48E-04	1.71E-04	3.19E-04
3927 492363.09, 3853377.25	0.00381	0.00439	5.79E-04	6.95E-04	5.45E-04	5.59E-04	5.27E-04	1.53E-04	1.77E-04	3.30E-04	1.50E-04	1.72E-04	3.22E-04	1.48E-04	1.70E-04	3.18E-04
3928 492863.09, 3853377.25	0.0038	0.00436	5.77E-04	6.90E-04	5.44E-04	5.57E-04	5.26E-04	1.53E-04	1.75E-04	3.28E-04	1.49E-04	1.71E-04	3.20E-04	1.47E-04	1.69E-04	3.16E-04
3929 493363.09, 3853377.25	0.00374	0.00427	5.68E-04	6.76E-04	5.35E-04	5.48E-04	5.17E-04	1.51E-04	1.72E-04	3.22E-04	1.47E-04	1.68E-04	3.15E-04	1.45E-04	1.65E-04	3.10E-04
3930 493863.09, 3853377.25	0.00367	0.00416	5.58E-04	6.59E-04	5.25E-04	5.38E-04	5.08E-04	1.48E-04	1.67E-04	3.15E-04	1.44E-04	1.63E-04	3.07E-04	1.42E-04	1.61E-04	3.03E-04
3931 494363.09, 3853377.25	0.00355	0.004	5.39E-04	6.33E-04	5.08E-04	5.21E-04	4.91E-04	1.43E-04	1.61E-04	3.04E-04	1.39E-04	1.57E-04	2.96E-04	1.38E-04	1.55E-04	2.93E-04
3932 494863.09, 3853377.25	0.00342	0.00382	5.20E-04	6.05E-04	4.90E-04	5.01E-04	4.73E-04	1.38E-04	1.54E-04	2.91E-04	1.34E-04	1.50E-04	2.84E-04	1.33E-04	1.48E-04	2.81E-04
3933 495363.09, 3853377.25	0.00334	0.00371	5.08E-04	5.87E-04	4.78E-04	4.90E-04	4.62E-04	1.34E-04	1.49E-04	2.84E-04	1.31E-04	1.46E-04	2.77E-04	1.29E-04	1.44E-04	2.73E-04
3934 495863.09, 3853377.25	0.00323	0.00356	4.91E-04	5.64E-04	4.62E-04	4.74E-04	4.47E-04	1.30E-04	1.43E-04	2.73E-04	1.27E-04	1.40E-04	2.67E-04	1.25E-04	1.38E-04	2.63E-04
3935 496363.09, 3853377.25	0.00309	0.00338	4.70E-04	5.35E-04	4.42E-04	4.53E-04	4.27E-04	1.24E-04	1.36E-04	2.60E-04	1.21E-04	1.33E-04	2.54E-04	1.20E-04	1.31E-04	2.51E-04
3936 496863.09, 3853377.25	0.00289	0.00315	4.39E-04	4.99E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.27E-04	2.43E-04	1.13E-04	1.24E-04	2.37E-04	1.12E-04	1.22E-04	2.34E-04
3937 497363.09, 3853377.25	0.00266	0.00286	4.04E-04	4.53E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.15E-04	2.22E-04	1.04E-04	1.12E-04	2.17E-04	1.03E-04	1.11E-04	2.14E-04
3938 497863.09, 3853377.25	0.00226	0.00238	3.43E-04	3.77E-04	3.24E-04	3.31E-04	3.13E-04	9.09E-05	9.58E-05	1.87E-04	8.87E-05	9.35E-05	1.82E-04	8.76E-05	9.22E-05	1.80E-04
3939 498363.09, 3853377.25	0.00206	0.00215	3.13E-04	3.40E-04	2.95E-04	3.02E-04	2.85E-04	8.29E-05	8.65E-05	1.69E-04	8.09E-05	8.44E-05	1.65E-04	7.98E-05	8.33E-05	1.63E-04
3940 471363.09, 3853877.25	0.00151	0.00151	2.29E-04	2.39E-04	2.16E-04	2.21E-04	2.09E-04	6.08E-05	6.08E-05	1.22E-04	5.93E-05	5.93E-05	1.19E-04	5.85E-05	5.85E-05	1.17E-04
3941 471863.09, 3853877.25	0.00158	0.00159	2.40E-04	2.52E-04	2.26E-04	2.32E-04	2.19E-04	6.36E-05	6.40E-05	1.28E-04	6.20E-05	6.24E-05	1.24E-04	6.12E-05	6.16E-05	1.23E-04
3942 472363.09, 3853877.25	0.00163	0.00164	2.48E-04	2.60E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.60E-05	1.32E-04	6.40E-05	6.44E-05	1.28E-04	6.32E-05	6.35E-05	1.27E-04
3943 472863.09, 3853877.25	0.00169	0.00171	2.57E-04	2.71E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.88E-05	1.37E-04	6.64E-05	6.72E-05	1.34E-04	6.55E-05	6.63E-05	1.32E-04
3944 473363.09, 3853877.25	0.00173	0.00175	2.63E-04	2.77E-04	2.48E-04	2.54E-04	2.39E-04	6.96E-05	7.04E-05	1.40E-04	6.79E-05	6.87E-05	1.37E-04	6.70E-05	6.78E-05	1.35E-04
3945 473863.09, 3853877.25	0.00178	0.0018	2.70E-04	2.85E-04	2.55E-04	2.61E-04	2.46E-04	7.16E-05	7.24E-05	1.44E-04	6.99E-05	7.07E-05	1.41E-04	6.90E-05	6.97E-05	1.39E-04
3946 474363.09, 3853877.25	0.00183	0.00186	2.78E-04	2.94E-04	2.62E-04	2.68E-04	2.53E-04	7.36E-05	7.49E-05	1.48E-04	7.19E-05	7.30E-05	1.45E-04	7.09E-05	7.21E-05	1.43E-04
3947 474863.09, 3853877.25	0.00188	0.0019	2.86E-04	3.01E-04	2.69E-04	2.76E-04	2.60E-04	7.57E-05	7.65E-05	1.52E-04	7.38E-05	7.46E-05	1.48E-04	7.28E-05	7.36E-05	1.46E-04
3948 475363.09, 3853877.25	0.00187	0.00189	2.84E-04	2.99E-04	2.68E-04	2.74E-04	2.59E-04	7.53E-05	7.61E-05	1.51E-04	7.34E-05	7.42E-05	1.48E-04	7.25E-05	7.32E-05	1.46E-04
3949 475863.09, 3853877.25	0.0018	0.00182	2.74E-04	2.88E-04	2.58E-04	2.64E-04	2.49E-04	7.24E-05	7.32E-05	1.46E-04	7.07E-05	7.15E-05	1.42E-04	6.97E-05	7.05E-05	1.40E-04
3950 476363.09, 3853877.25	0.00176	0.00175	2.67E-04	2.77E-04	2.52E-04	2.58E-04	2.43E-04	7.08E-05	7.04E-05	1.41E-04	6.91E-05	6.87E-05	1.38E-04	6.82E-05	6.78E-05	1.36E-04
3951 476863.09, 3853877.25	0.00169	0.00166	2.57E-04	2.63E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.68E-05	1.35E-04	6.64E-05	6.52E-05	1.32E-04	6.55E-05	6.43E-05	1.30E-04
3952 477363.09, 3853877.25	0.0018	0.00177	2.74E-04	2.80E-04	2.58E-04	2.64E-04	2.49E-04	7.24E-05	7.12E-05	1.44E-04	7.07E-05	6.95E-05	1.40E-04	6.97E-05	6.86E-05	1.38E-04
3953 477863.09, 3853877.25	0.00192	0.00189	2.92E-04	2.99E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.61E-05	1.53E-04	7.54E-05	7.42E-05	1.50E-04	7.44E-05	7.32E-05	1.48E-04
3954 478363.09, 3853877.25	0.00198	0.00196	3.01E-04	3.10E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	7.89E-05	1.59E-04	7.78E-05	7.70E-05	1.55E-04	7.67E-05	7.59E-05	1.53E-04
3955 478863.09, 3853877.25	0.00183	0.0018	2.78E-04	2.85E-04	2.62E-04	2.68E-04	2.53E-04	7.36E-05	7.24E-05	1.46E-04	7.19E-05	7.07E-05	1.43E-04	7.09E-05	6.97E-05	1.41E-04
3956 479363.09, 3853877.25	0.00208	0.00205	3.16E-04	3.25E-04	2.98E-04	3.05E-04	2.88E-04	8.37E-05	8.25E-05	1.66E-04	8.17E-05	8.05E-05	1.62E-04	8.06E-05	7.94E-05	1.60E-04

3957 479863.09, 3853877.25	0.00267	0.0027	4.06E-04	4.27E-04	3.82E-04	3.91E-04	3.69E-04	1.07E-04	1.09E-04	2.16E-04	1.05E-04	1.06E-04	2.11E-04	1.03E-04	1.05E-04	2.08E-04
3958 480363.09, 3853877.25	0.00329	0.00339	5.00E-04	5.37E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.36E-04	2.69E-04	1.29E-04	1.33E-04	2.62E-04	1.27E-04	1.31E-04	2.59E-04
3959 480863.09, 3853877.25	0.00446	0.00457	6.78E-04	7.24E-04	6.38E-04	6.54E-04	6.17E-04	1.79E-04	1.84E-04	3.63E-04	1.75E-04	1.79E-04	3.55E-04	1.73E-04	1.77E-04	3.50E-04
3960 481363.09, 3853877.25	0.00577	0.00584	8.77E-04	9.25E-04	8.26E-04	8.46E-04	7.98E-04	2.32E-04	2.35E-04	4.67E-04	2.27E-04	2.29E-04	4.56E-04	2.24E-04	2.26E-04	4.50E-04
3961 481863.09, 3853877.25	0.00859	0.00806	1.31E-03	1.28E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.24E-04	6.70E-04	3.37E-04	3.17E-04	6.54E-04	3.33E-04	3.12E-04	6.45E-04
3962 482363.09, 3853877.25	0.01527	0.01301	2.32E-03	2.06E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	5.24E-04	1.14E-03	6.00E-04	5.11E-04	1.11E-03	5.92E-04	5.04E-04	1.10E-03
3963 482863.09, 3853877.25	0.27232	0.07162	4.14E-02	1.13E-02	3.90E-02	3.99E-02	3.77E-02	1.10E-02	2.88E-03	1.38E-02	1.07E-02	2.81E-03	1.35E-02	1.06E-02	2.78E-03	1.33E-02
3964 483363.09, 3853877.25	0.0293	0.04598	4.45E-03	7.28E-03	4.19E-03	4.30E-03	4.05E-03	1.18E-03	1.85E-03	3.03E-03	1.15E-03	1.81E-03	2.96E-03	1.14E-03	1.78E-03	2.92E-03
3965 483863.09, 3853877.25	0.0169	0.02518	2.57E-03	3.99E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	1.01E-03	1.69E-03	6.64E-04	9.89E-04	1.65E-03	6.55E-04	9.76E-04	1.63E-03
3966 484363.09, 3853877.25	0.01117	0.01685	1.70E-03	2.67E-03	1.60E-03	1.64E-03	1.54E-03	4.50E-04	6.78E-04	1.13E-03	4.39E-04	6.62E-04	1.10E-03	4.33E-04	6.53E-04	1.09E-03
3967 484863.09, 3853877.25	0.00812	0.01186	1.23E-03	1.88E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	4.77E-04	8.04E-04	3.19E-04	4.66E-04	7.85E-04	3.15E-04	4.60E-04	7.74E-04
3968 485363.09, 3853877.25	0.00601	0.00835	9.13E-04	1.32E-03	8.60E-04	8.81E-04	8.31E-04	2.42E-04	3.36E-04	5.78E-04	2.36E-04	3.28E-04	5.64E-04	2.33E-04	3.24E-04	5.56E-04
3969 485863.09, 3853877.25	0.0056	0.00781	8.51E-04	1.24E-03	8.02E-04	8.21E-04	7.75E-04	2.25E-04	3.14E-04	5.40E-04	2.20E-04	3.07E-04	5.27E-04	2.17E-04	3.03E-04	5.20E-04
3970 486363.09, 3853877.25	0.00522	0.00711	7.93E-04	1.13E-03	7.47E-04	7.65E-04	7.22E-04	2.10E-04	2.86E-04	4.96E-04	2.05E-04	2.79E-04	4.84E-04	2.02E-04	2.76E-04	4.78E-04
3971 486863.09, 3853877.25	0.00493	0.00654	7.49E-04	1.04E-03	7.06E-04	7.23E-04	6.82E-04	1.98E-04	2.63E-04	4.62E-04	1.94E-04	2.57E-04	4.50E-04	1.91E-04	2.53E-04	4.44E-04
3972 487363.09, 3853877.25	0.00485	0.00635	7.37E-04	1.01E-03	6.94E-04	7.11E-04	6.71E-04	1.95E-04	2.56E-04	4.51E-04	1.90E-04	2.49E-04	4.40E-04	1.88E-04	2.46E-04	4.34E-04
3973 487863.09, 3853877.25	0.0049	0.00639	7.45E-04	1.01E-03	7.01E-04	7.18E-04	6.78E-04	1.97E-04	2.57E-04	4.54E-04	1.92E-04	2.51E-04	4.43E-04	1.90E-04	2.48E-04	4.37E-04
3974 488363.09, 3853877.25	0.00479	0.00618	7.28E-04	9.78E-04	6.86E-04	7.02E-04	6.62E-04	1.93E-04	2.49E-04	4.41E-04	1.88E-04	2.43E-04	4.31E-04	1.86E-04	2.39E-04	4.25E-04
3975 488863.09, 3853877.25	0.00476	0.0061	7.23E-04	9.66E-04	6.81E-04	6.98E-04	6.58E-04	1.92E-04	2.45E-04	4.37E-04	1.87E-04	2.40E-04	4.26E-04	1.84E-04	2.36E-04	4.21E-04
3976 489363.09, 3853877.25	0.00451	0.00567	6.85E-04	8.98E-04	6.46E-04	6.61E-04	6.24E-04	1.81E-04	2.28E-04	4.10E-04	1.77E-04	2.23E-04	4.00E-04	1.75E-04	2.20E-04	3.94E-04
3977 489863.09, 3853877.25	0.00443	0.00549	6.73E-04	8.69E-04	6.34E-04	6.50E-04	6.13E-04	1.78E-04	2.21E-04	3.99E-04	1.74E-04	2.16E-04	3.90E-04	1.72E-04	2.13E-04	3.84E-04
3978 490363.09, 3853877.25	0.00428	0.00523	6.50E-04	8.28E-04	6.13E-04	6.28E-04	5.92E-04	1.72E-04	2.10E-04	3.83E-04	1.68E-04	2.05E-04	3.73E-04	1.66E-04	2.03E-04	3.68E-04
3979 490863.09, 3853877.25	0.00419	0.00507	6.37E-04	8.03E-04	6.00E-04	6.14E-04	5.80E-04	1.69E-04	2.04E-04	3.73E-04	1.65E-04	1.99E-04	3.64E-04	1.62E-04	1.96E-04	3.59E-04
3980 491363.09, 3853877.25	0.00413	0.00494	6.28E-04	7.82E-04	5.91E-04	6.06E-04	5.71E-04	1.66E-04	1.99E-04	3.65E-04	1.62E-04	1.94E-04	3.56E-04	1.60E-04	1.91E-04	3.51E-04
3981 491863.09, 3853877.25	0.00407	0.00482	6.18E-04	7.63E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.94E-04	3.58E-04	1.60E-04	1.89E-04	3.49E-04	1.58E-04	1.87E-04	3.44E-04
3982 492363.09, 3853877.25	0.00407	0.00478	6.18E-04	7.57E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.92E-04	3.56E-04	1.60E-04	1.88E-04	3.48E-04	1.58E-04	1.85E-04	3.43E-04
3983 492863.09, 3853877.25	0.00403	0.00468	6.12E-04	7.41E-04	5.77E-04	5.91E-04	5.57E-04	1.62E-04	1.88E-04	3.51E-04	1.58E-04	1.84E-04	3.42E-04	1.56E-04	1.81E-04	3.37E-04
3984 493363.09, 3853877.25	0.00392	0.00452	5.96E-04	7.16E-04	5.61E-04	5.75E-04	5.42E-04	1.58E-04	1.82E-04	3.40E-04	1.54E-04	1.77E-04	3.31E-04	1.52E-04	1.75E-04	3.27E-04
3985 493863.09, 3853877.25	0.0038	0.00434	5.77E-04	6.87E-04	5.44E-04	5.57E-04	5.26E-04	1.53E-04	1.75E-04	3.28E-04	1.49E-04	1.70E-04	3.20E-04	1.47E-04	1.68E-04	3.15E-04
3986 494363.09, 3853877.25	0.00371	0.0042	5.64E-04	6.65E-04	5.31E-04	5.44E-04	5.13E-04	1.49E-04	1.69E-04	3.18E-04	1.46E-04	1.65E-04	3.11E-04	1.44E-04	1.63E-04	3.07E-04
3987 494863.09, 3853877.25	0.00358	0.00402	5.44E-04	6.36E-04	5.13E-04	5.25E-04	4.95E-04	1.44E-04	1.62E-04	3.06E-04	1.41E-04	1.58E-04	2.98E-04	1.39E-04	1.56E-04	2.94E-04
3988 495363.09, 3853877.25	0.00335	0.00372	5.09E-04	5.89E-04	4.80E-04	4.91E-04	4.63E-04	1.35E-04	1.50E-04	2.85E-04	1.32E-04	1.46E-04	2.78E-04	1.30E-04	1.44E-04	2.74E-04
3989 495863.09, 3853877.25	0.00316	0.00347	4.80E-04	5.49E-04	4.52E-04	4.63E-04	4.37E-04	1.27E-04	1.40E-04	2.67E-04	1.24E-04	1.36E-04	2.60E-04	1.22E-04	1.34E-04	2.57E-04
3990 496363.09, 3853877.25	0.00303	0.0033	4.60E-04	5.22E-04	4.34E-04	4.44E-04	4.19E-04	1.22E-04	1.33E-04	2.55E-04	1.19E-04	1.30E-04	2.49E-04	1.17E-04	1.28E-04	2.45E-04
3991 496863.09, 3853877.25	0.00281	0.00303	4.27E-04	4.80E-04	4.02E-04	4.12E-04	3.89E-04	1.13E-04	1.22E-04	2.35E-04	1.10E-04	1.19E-04	2.29E-04	1.09E-04	1.17E-04	2.26E-04
3992 497363.09, 3853877.25	0.00263	0.0028	4.00E-04	4.43E-04	3.77E-04	3.86E-04	3.64E-04	1.06E-04	1.13E-04	2.19E-04	1.03E-04	1.10E-04	2.13E-04	1.02E-04	1.08E-04	2.10E-04
3993 497863.09, 3853877.25	0.00239	0.00251	3.63E-04	3.97E-04	3.42E-04	3.50E-04	3.31E-04	9.62E-05	1.01E-04	1.97E-04	9.39E-05	9.86E-05	1.92E-04	9.26E-05	9.73E-05	1.90E-04
3994 498363.09, 3853877.25	0.00223	0.00234	3.39E-04	3.70E-04	3.19E-04	3.27E-04	3.08E-04	8.97E-05	9.42E-05	1.84E-04	8.76E-05	9.19E-05	1.79E-04	8.64E-05	9.07E-05	1.77E-04
3995 471363.09, 3854377.25	0.00146	0.00146	2.22E-04	2.31E-04	2.09E-04	2.14E-04	2.02E-04	5.88E-05	5.88E-05	1.18E-04	5.73E-05	5.73E-05	1.15E-04	5.66E-05	5.66E-05	1.13E-04
3996 471863.09, 3854377.25	0.00153	0.00153	2.32E-04	2.42E-04	2.19E-04	2.24E-04	2.12E-04	6.16E-05	6.16E-05	1.23E-04	6.01E-05	6.01E-05	1.20E-04	5.93E-05	5.93E-05	1.19E-04
3997 472363.09, 3854377.25	0.00158	0.00158	2.40E-04	2.50E-04	2.26E-04	2.32E-04	2.19E-04	6.36E-05	6.36E-05	1.27E-04	6.20E-05	6.20E-05	1.24E-04	6.12E-05	6.12E-05	1.22E-04
3998 472863.09, 3854377.25	0.00161	0.00162	2.45E-04	2.56E-04	2.30E-04	2.36E-04	2.23E-04	6.48E-05	6.52E-05	1.30E-04	6.32E-05	6.36E-05	1.27E-04	6.24E-05	6.28E-05	1.25E-04
3999 473363.09, 3854377.25	0.00167	0.00167	2.54E-04	2.64E-04	2.39E-04	2.45E-04	2.31E-04	6.72E-05	6.72E-05	1.34E-04	6.56E-05	6.56E-05	1.31E-04	6.47E-05	6.47E-05	1.29E-04
4000 473863.09, 3854377.25	0.00173	0.00174	2.63E-04	2.75E-04	2.48E-04	2.54E-04	2.39E-04	6.96E-05	7.00E-05	1.40E-04	6.79E-05	6.83E-05	1.36E-04	6.70E-05	6.74E-05	1.34E-04
4001 474363.09, 3854377.25	0.00178	0.00179	2.70E-04	2.83E-04	2.55E-04	2.61E-04	2.46E-04	7.16E-05	7.20E-05	1.44E-04	6.99E-05	7.03E-05	1.40E-04	6.90E-05	6.94E-05	1.38E-04
4002 474863.09, 3854377.25	0.00175	0.00176	2.66E-04	2.79E-04	2.51E-04	2.57E-04	2.42E-04	7.04E-05	7.08E-05	1.41E-04	6.87E-05	6.91E-05	1.38E-04	6.78E-05	6.82E-05	1.36E-04
4003 475363.09, 3854377.25	0.00167	0.00168	2.54E-04	2.66E-04	2.39E-04	2.45E-04	2.31E-04	6.72E-05	6.76E-05	1.35E-04	6.56E-05	6.60E-05	1.32E-04	6.47E-05	6.51E-05	1.30E-04
4004 475863.09, 3854377.25	0.00151	0.0015	2.29E-04	2.37E-04	2.16E-04	2.21E-04	2.09E-04	6.08E-05	6.04E-05	1.21E-04	5.93E-05	5.89E-05	1.18E-04	5.85E-05	5.81E-05	1.17E-04
4005 476363.09, 3854377.25	0.00152	0.0015	2.31E-04	2.37E-04	2.18E-04	2.23E-04	2.10E-04	6.12E-05	6.04E-05	1.22E-04	5.97E-05	5.89E-05	1.19E-04	5.89E-05	5.81E-05	1.17E-04
4006 476863.09, 3854377.25	0.00156	0.00153	2.37E-04	2.42E-04	2.23E-04	2.29E-04	2.16E-04	6.28E-05	6.16E-05	1.24E-04	6.13E-05	6.01E-05	1.21E-04	6.04E-05	5.93E-05	1.20E-04
4007 477363.09, 3854377.25	0.00161	0.00158	2.45E-04	2.50E-04	2.30E-04	2.36E-04	2.23E-04	6.48E-05	6.36E-05	1.28E-04	6.32E-05	6.20E-05	1.25E-04	6.24E-05	6.12E-05	1.24E-04
4008 477863.09, 3854377.25	0.00168	0.00164	2.55E-04	2.60E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.60E-05	1.34E-04	6.60E-05	6.44E-05	1.30E-04	6.51E-05	6.35E-05	1.29E-04
4009 478363.09, 3854377.25	0.00181	0.00176	2.75E-04	2.79E-04	2.59E-04	2.65E-04	2.50E-04	7.28E-05	7.08E-05	1.44E-04	7.11E-05	6.91E-05	1.40E-04	7.01E-05	6.82E-05	1.38E-04
4010 478863.09, 3854377.25	0.0019	0.00184	2.89E-04	2.91E-04	2.72E-04	2.79E-04	2.63E-04	7.65E-05	7.40E-05	1.51E-04	7.46E-05	7.23E-05	1.47E-04	7.36E-05	7.13E-05	1.45E-04
4011 479363.09, 3854377.25	0.00219	0.00215	3.33E-04	3.40E-04	3.14E-04	3.21E-04	3.03E-04	8.81E-05	8.65E-05	1.75E-04	8.60E-05	8.44E-05	1.70E-04	8.49E-05	8.33E-05	1.68E-04
4012 479863.09, 3854377.25	0.00243	0.00242	3.69E-04	3.83E-04	3.48E-04	3.56E-04	3.36E-04	9.78E-05	9.74E-05	1.95E-04	9.54E-05	9.50E-05	1.90E-04	9.42E-05	9.38E-05	1.88E-04
4013 480363.09, 3854377.25	0.00289	0.0029	4.39E-04	4.59E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.17E-04	2.33E-04	1.13E-04	1.14E-04	2.27E-04	1.12E-04	1.12E-04	2.24E-04
4014 480863.09, 3854377.25	0.00373	0.00373	5.67E-04	5.91E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.50E-04	3.00E-04	1.46E-04	1.46E-04	2.93E-04	1.45E-04	1.45E-04	2.89E-04
4015 481363.09, 3854377.25	0.00498	0.00481	7.57E-04	7.62E-04	7.13E-04	7.30E-04	6.89E-04	2.00E-04	1.94E-04	3.94E-04	1.96E-04	1.89E-04	3.84E-04	1.93E-04	1.86E-04	3.79E-04
4016 481863.09, 3854377.25	0.00783	0.00643	1.19E-03	1.02E-03	1.12E-03	1.15E-03	1.08E-03	3.15E-04	2.59E-04	5.74E-04	3.07E-04	2.53E-04	5.60E-04	3.03E-04	2.49E-04	5.53E-04
4017 482363.09, 3854377.25	0.01325	0.00861	2.01E-03	1.36E-03	1.90E-03	1.94E-03	1.83E-03	5.33E-04	3.46E-04	8.80E-04	5.20E-04	3.38E-04	8.58E-04	5.13E-04	3.34E-04	8.47E-04
4018 482863.09, 3854377.25	0.20358	0.01501	3.09E-02	2.38E-03	2.91E-02	2.99E-02	2.82E-02	8.19E-03	6.04E-04	8.80E-03	7.99E-03	5.89E-04	8.58E-03	7.89E-03	5.82E-04	8.47E-03
4019 483363.09, 3854377.25	0.03528	0.05668	5.36E-03	8.97E-03	5.05E-03	5.17E-03	4.88E-03	1.42E-03	2.28E-03	3.70E-03	1.39E-03	2.23E-03	3.61E-03	1.37E-03	2.20E-03	3.56E-03
4020 483863.09, 3854377.25	0.01637	0.09184	2.49E-03	1.45E-02	2.34E-03	2.40E-03	2.26E-03	6.59E-04	3.70E-03	4.35E-03	6.43E-04	3.61E-03	4.25E-03	6.34E-04	3.56E-03	4.19E-03
4021 484363.09, 3854377.25	0.01066	0.03135	1.62E-03	4.96E-03	1.53E-03	1.56E-03	1.47E-03	4.29E-04	1.26E-03	1.69E-03	4.19E-04	1.23E-03	1.65E-03	4.13E-04	1.21E-03	1.63E-03
4022 484863.09, 3854377.25	0.0079	0.01734	1.20E-03	2.75E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	6.98E-04	1.02E-03	3.10E-04	6.81E-04	9.91E-04	3.06E-04	6.72E-04	9.78E-04

4023 485363.09, 3854377.25	0.0075	0.01519	1.14E-03	2.41E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	6.11E-04	9.13E-04	2.95E-04	5.97E-04	8.91E-04	2.91E-04	5.89E-04	8.79E-04
4024 485863.09, 3854377.25	0.00623	0.01111	9.47E-04	1.76E-03	8.92E-04	9.13E-04	8.62E-04	2.51E-04	4.47E-04	6.98E-04	2.45E-04	4.36E-04	6.81E-04	2.41E-04	4.30E-04	6.72E-04
4025 486363.09, 3854377.25	0.00579	0.00978	8.80E-04	1.55E-03	8.29E-04	8.49E-04	8.01E-04	2.33E-04	3.94E-04	6.27E-04	2.27E-04	3.84E-04	6.11E-04	2.24E-04	3.79E-04	6.03E-04
4026 486863.09, 3854377.25	0.00526	0.00831	7.99E-04	1.32E-03	7.53E-04	7.71E-04	7.27E-04	2.12E-04	3.34E-04	5.46E-04	2.07E-04	3.26E-04	5.33E-04	2.04E-04	3.22E-04	5.26E-04
4027 487363.09, 3854377.25	0.00514	0.00777	7.81E-04	1.23E-03	7.36E-04	7.54E-04	7.11E-04	2.07E-04	3.13E-04	5.20E-04	2.02E-04	3.05E-04	5.07E-04	1.99E-04	3.01E-04	5.00E-04
4028 487863.09, 3854377.25	0.00523	0.00757	7.95E-04	1.20E-03	7.49E-04	7.67E-04	7.23E-04	2.10E-04	3.05E-04	5.15E-04	2.05E-04	2.97E-04	5.03E-04	2.03E-04	2.93E-04	4.96E-04
4029 488363.09, 3854377.25	0.0052	0.00724	7.90E-04	1.15E-03	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.91E-04	5.01E-04	2.04E-04	2.84E-04	4.89E-04	2.01E-04	2.81E-04	4.82E-04
4030 488863.09, 3854377.25	0.00511	0.00689	7.76E-04	1.09E-03	7.32E-04	7.49E-04	7.07E-04	2.06E-04	2.77E-04	4.83E-04	2.01E-04	2.71E-04	4.71E-04	1.98E-04	2.67E-04	4.65E-04
4031 489363.09, 3854377.25	0.00499	0.00653	7.58E-04	1.03E-03	7.14E-04	7.32E-04	6.90E-04	2.01E-04	2.63E-04	4.64E-04	1.96E-04	2.56E-04	4.52E-04	1.93E-04	2.53E-04	4.46E-04
4032 489863.09, 3854377.25	0.00483	0.00618	7.34E-04	9.78E-04	6.91E-04	7.08E-04	6.68E-04	1.94E-04	2.49E-04	4.43E-04	1.90E-04	2.43E-04	4.32E-04	1.87E-04	2.39E-04	4.27E-04
4033 490363.09, 3854377.25	0.00466	0.00584	7.08E-04	9.25E-04	6.67E-04	6.83E-04	6.45E-04	1.88E-04	2.35E-04	4.23E-04	1.83E-04	2.29E-04	4.12E-04	1.81E-04	2.26E-04	4.07E-04
4034 490863.09, 3854377.25	0.00421	0.00516	6.40E-04	8.17E-04	6.03E-04	6.17E-04	5.82E-04	1.69E-04	2.08E-04	3.77E-04	1.65E-04	2.03E-04	3.68E-04	1.63E-04	2.00E-04	3.63E-04
4035 491363.09, 3854377.25	0.00431	0.00522	6.55E-04	8.26E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	2.10E-04	3.84E-04	1.69E-04	2.05E-04	3.74E-04	1.67E-04	2.02E-04	3.69E-04
4036 491863.09, 3854377.25	0.00436	0.0052	6.63E-04	8.23E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	2.09E-04	3.85E-04	1.71E-04	2.04E-04	3.75E-04	1.69E-04	2.01E-04	3.70E-04
4037 492363.09, 3854377.25	0.00432	0.00509	6.56E-04	8.06E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	2.05E-04	3.79E-04	1.70E-04	2.00E-04	3.70E-04	1.67E-04	1.97E-04	3.65E-04
4038 492863.09, 3854377.25	0.00422	0.00491	6.41E-04	7.77E-04	6.04E-04	6.19E-04	5.84E-04	1.70E-04	1.98E-04	3.67E-04	1.66E-04	1.93E-04	3.59E-04	1.64E-04	1.90E-04	3.54E-04
4039 493363.09, 3854377.25	0.00409	0.00471	6.21E-04	7.46E-04	5.86E-04	6.00E-04	5.66E-04	1.65E-04	1.90E-04	3.54E-04	1.61E-04	1.85E-04	3.46E-04	1.58E-04	1.83E-04	3.41E-04
4040 493863.09, 3854377.25	0.00396	0.00451	6.02E-04	7.14E-04	5.67E-04	5.81E-04	5.48E-04	1.59E-04	1.81E-04	3.41E-04	1.56E-04	1.77E-04	3.33E-04	1.53E-04	1.75E-04	3.28E-04
4041 494363.09, 3854377.25	0.00383	0.00433	5.82E-04	6.86E-04	5.48E-04	5.62E-04	5.30E-04	1.54E-04	1.74E-04	3.28E-04	1.50E-04	1.70E-04	3.20E-04	1.48E-04	1.68E-04	3.16E-04
4042 494863.09, 3854377.25	0.0035	0.0039	5.32E-04	6.17E-04	5.01E-04	5.13E-04	4.84E-04	1.41E-04	1.57E-04	2.98E-04	1.37E-04	1.53E-04	2.91E-04	1.36E-04	1.51E-04	2.87E-04
4043 495363.09, 3854377.25	0.00314	0.00346	4.77E-04	5.48E-04	4.50E-04	4.60E-04	4.34E-04	1.26E-04	1.39E-04	2.66E-04	1.23E-04	1.36E-04	2.59E-04	1.22E-04	1.34E-04	2.56E-04
4044 495863.09, 3854377.25	0.00291	0.00316	4.42E-04	5.00E-04	4.17E-04	4.27E-04	4.02E-04	1.17E-04	1.27E-04	2.44E-04	1.14E-04	1.24E-04	2.38E-04	1.13E-04	1.22E-04	2.35E-04
4045 496363.09, 3854377.25	0.00279	0.003	4.24E-04	4.75E-04	3.99E-04	4.09E-04	3.86E-04	1.12E-04	1.21E-04	2.33E-04	1.10E-04	1.18E-04	2.27E-04	1.08E-04	1.16E-04	2.24E-04
4046 496863.09, 3854377.25	0.00265	0.00281	4.03E-04	4.45E-04	3.79E-04	3.89E-04	3.67E-04	1.07E-04	1.13E-04	2.20E-04	1.04E-04	1.10E-04	2.14E-04	1.03E-04	1.09E-04	2.12E-04
4047 497363.09, 3854377.25	0.00242	0.00253	3.68E-04	4.01E-04	3.46E-04	3.55E-04	3.35E-04	9.74E-05	1.02E-04	1.99E-04	9.50E-05	9.94E-05	1.94E-04	9.38E-05	9.80E-05	1.92E-04
4048 497863.09, 3854377.25	0.00244	0.00255	3.71E-04	4.04E-04	3.49E-04	3.58E-04	3.37E-04	9.82E-05	1.03E-04	2.01E-04	9.58E-05	1.00E-04	1.96E-04	9.45E-05	9.88E-05	1.93E-04
4049 498363.09, 3854377.25	0.00231	0.0024	3.51E-04	3.80E-04	3.31E-04	3.39E-04	3.19E-04	9.30E-05	9.66E-05	1.90E-04	9.07E-05	9.42E-05	1.85E-04	8.95E-05	9.30E-05	1.83E-04
4050 471363.09, 3854877.25	0.00144	0.00144	2.19E-04	2.28E-04	2.06E-04	2.11E-04	1.99E-04	5.80E-05	5.80E-05	1.16E-04	5.65E-05	5.65E-05	1.13E-04	5.58E-05	5.58E-05	1.12E-04
4051 471863.09, 3854877.25	0.00149	0.00149	2.26E-04	2.36E-04	2.13E-04	2.18E-04	2.06E-04	6.00E-05	6.00E-05	1.20E-04	5.85E-05	5.85E-05	1.17E-04	5.77E-05	5.77E-05	1.15E-04
4052 472363.09, 3854877.25	0.00153	0.00153	2.32E-04	2.42E-04	2.19E-04	2.24E-04	2.12E-04	6.16E-05	6.16E-05	1.23E-04	6.01E-05	6.01E-05	1.20E-04	5.93E-05	5.93E-05	1.19E-04
4053 472863.09, 3854877.25	0.00154	0.00154	2.34E-04	2.44E-04	2.20E-04	2.26E-04	2.13E-04	6.20E-05	6.20E-05	1.24E-04	6.05E-05	6.05E-05	1.21E-04	5.97E-05	5.97E-05	1.19E-04
4054 473363.09, 3854877.25	0.0016	0.0016	2.43E-04	2.53E-04	2.29E-04	2.35E-04	2.21E-04	6.44E-05	6.44E-05	1.29E-04	6.28E-05	6.28E-05	1.26E-04	6.20E-05	6.20E-05	1.24E-04
4055 473863.09, 3854877.25	0.00166	0.00166	2.52E-04	2.63E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.68E-05	1.34E-04	6.52E-05	6.52E-05	1.30E-04	6.43E-05	6.43E-05	1.29E-04
4056 474363.09, 3854877.25	0.00174	0.00174	2.64E-04	2.75E-04	2.49E-04	2.55E-04	2.41E-04	7.00E-05	7.00E-05	1.40E-04	6.83E-05	6.83E-05	1.37E-04	6.74E-05	6.74E-05	1.35E-04
4057 474863.09, 3854877.25	0.00162	0.00162	2.46E-04	2.56E-04	2.32E-04	2.38E-04	2.24E-04	6.52E-05	6.52E-05	1.30E-04	6.36E-05	6.36E-05	1.27E-04	6.28E-05	6.28E-05	1.26E-04
4058 475363.09, 3854877.25	0.0015	0.00148	2.28E-04	2.34E-04	2.15E-04	2.20E-04	2.07E-04	6.04E-05	5.96E-05	1.20E-04	5.89E-05	5.81E-05	1.17E-04	5.81E-05	5.73E-05	1.15E-04
4059 475863.09, 3854877.25	0.00141	0.00138	2.14E-04	2.18E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.55E-05	1.12E-04	5.54E-05	5.42E-05	1.10E-04	5.46E-05	5.35E-05	1.08E-04
4060 476363.09, 3854877.25	0.0013	0.00125	1.98E-04	1.98E-04	1.86E-04	1.91E-04	1.80E-04	5.23E-05	5.03E-05	1.03E-04	5.11E-05	4.91E-05	1.00E-04	5.04E-05	4.84E-05	9.88E-05
4061 476863.09, 3854877.25	0.00132	0.00128	2.01E-04	2.03E-04	1.89E-04	1.94E-04	1.83E-04	5.31E-05	5.15E-05	1.05E-04	5.18E-05	5.03E-05	1.02E-04	5.11E-05	4.96E-05	1.01E-04
4062 477363.09, 3854877.25	0.00144	0.00139	2.19E-04	2.20E-04	2.06E-04	2.11E-04	1.99E-04	5.80E-05	5.59E-05	1.14E-04	5.65E-05	5.46E-05	1.11E-04	5.58E-05	5.39E-05	1.10E-04
4063 477863.09, 3854877.25	0.00156	0.00151	2.37E-04	2.39E-04	2.23E-04	2.29E-04	2.16E-04	6.28E-05	6.08E-05	1.24E-04	6.13E-05	5.93E-05	1.21E-04	6.04E-05	5.85E-05	1.19E-04
4064 478363.09, 3854877.25	0.00176	0.00171	2.67E-04	2.71E-04	2.52E-04	2.58E-04	2.43E-04	7.08E-05	6.88E-05	1.40E-04	6.91E-05	6.72E-05	1.36E-04	6.82E-05	6.63E-05	1.34E-04
4065 478863.09, 3854877.25	0.00202	0.00197	3.07E-04	3.12E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	7.93E-05	1.61E-04	7.93E-05	7.74E-05	1.57E-04	7.83E-05	7.63E-05	1.55E-04
4066 479363.09, 3854877.25	0.00229	0.00226	3.48E-04	3.58E-04	3.28E-04	3.36E-04	3.17E-04	9.22E-05	9.09E-05	1.83E-04	8.99E-05	8.87E-05	1.79E-04	8.87E-05	8.76E-05	1.76E-04
4067 479863.09, 3854877.25	0.0026	0.0026	3.95E-04	4.12E-04	3.72E-04	3.81E-04	3.60E-04	1.05E-04	1.05E-04	2.09E-04	1.02E-04	1.02E-04	2.04E-04	1.01E-04	1.01E-04	2.01E-04
4068 480363.09, 3854877.25	0.0029	0.00295	4.41E-04	4.67E-04	4.15E-04	4.25E-04	4.01E-04	1.17E-04	1.19E-04	2.35E-04	1.14E-04	1.16E-04	2.30E-04	1.12E-04	1.14E-04	2.27E-04
4069 480863.09, 3854877.25	0.00357	0.00362	5.42E-04	5.73E-04	5.11E-04	5.23E-04	4.94E-04	1.44E-04	1.46E-04	2.89E-04	1.40E-04	1.42E-04	2.82E-04	1.38E-04	1.40E-04	2.79E-04
4070 481363.09, 3854877.25	0.0044	0.00428	6.69E-04	6.78E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.72E-04	3.49E-04	1.73E-04	1.68E-04	3.41E-04	1.70E-04	1.66E-04	3.36E-04
4071 481863.09, 3854877.25	0.00504	0.00473	7.66E-04	7.49E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	1.90E-04	3.93E-04	1.98E-04	1.86E-04	3.84E-04	1.95E-04	1.83E-04	3.79E-04
4072 482363.09, 3854877.25	0.01	0.00618	1.52E-03	9.78E-04	1.43E-03	1.47E-03	1.38E-03	4.02E-04	2.49E-04	6.51E-04	3.93E-04	2.43E-04	6.35E-04	3.87E-04	2.39E-04	6.27E-04
4073 482863.09, 3854877.25	0.02421	0.00783	3.68E-03	1.24E-03	3.47E-03	3.55E-03	3.35E-03	9.74E-04	3.15E-04	1.29E-03	9.51E-04	3.07E-04	1.26E-03	9.38E-04	3.03E-04	1.24E-03
4074 483363.09, 3854877.25	0.11657	0.01104	1.77E-02	1.75E-03	1.67E-02	1.71E-02	1.61E-02	4.69E-03	4.44E-04	5.14E-03	4.58E-03	4.34E-04	5.01E-03	4.52E-03	4.28E-04	4.94E-03
4075 483863.09, 3854877.25	0.02868	0.02107	4.36E-03	3.34E-03	4.11E-03	4.21E-03	3.97E-03	1.15E-03	8.48E-04	2.00E-03	1.13E-03	8.27E-04	1.95E-03	1.11E-03	8.16E-04	1.93E-03
4076 484363.09, 3854877.25	0.0155	0.1283	2.36E-03	2.03E-02	2.22E-03	2.27E-03	2.14E-03	6.24E-04	5.16E-03	5.79E-03	6.09E-04	5.04E-03	5.65E-03	6.01E-04	4.97E-03	5.57E-03
4077 484863.09, 3854877.25	0.01157	0.08215	1.76E-03	1.30E-02	1.66E-03	1.70E-03	1.60E-03	4.66E-04	3.31E-03	3.77E-03	4.54E-04	3.23E-03	3.68E-03	4.48E-04	3.18E-03	3.63E-03
4078 485363.09, 3854877.25	0.00939	0.03138	1.43E-03	4.97E-03	1.34E-03	1.38E-03	1.30E-03	3.78E-04	1.26E-03	1.64E-03	3.69E-04	1.23E-03	1.60E-03	3.64E-04	1.22E-03	1.58E-03
4079 485863.09, 3854877.25	0.00802	0.01921	1.22E-03	3.04E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	7.73E-04	1.10E-03	3.15E-04	7.54E-04	1.07E-03	3.11E-04	7.44E-04	1.06E-03
4080 486363.09, 3854877.25	0.00702	0.0139	1.07E-03	2.20E-03	1.00E-03	1.03E-03	9.71E-04	2.83E-04	5.59E-04	8.42E-04	2.76E-04	5.46E-04	8.22E-04	2.72E-04	5.39E-04	8.11E-04
4081 486863.09, 3854877.25	0.00633	0.01112	9.62E-04	1.76E-03	9.06E-04	9.28E-04	8.75E-04	2.55E-04	4.48E-04	7.02E-04	2.49E-04	4.37E-04	6.85E-04	2.45E-04	4.31E-04	6.76E-04
4082 487363.09, 3854877.25	0.00596	0.00975	9.06E-04	1.54E-03	8.53E-04	8.74E-04	8.24E-04	2.40E-04	3.92E-04	6.32E-04	2.34E-04	3.83E-04	6.17E-04	2.31E-04	3.78E-04	6.09E-04
4083 487863.09, 3854877.25	0.00571	0.00881	8.68E-04	1.39E-03	8.17E-04	8.37E-04	7.90E-04	2.30E-04	3.55E-04	5.84E-04	2.24E-04	3.46E-04	5.70E-04	2.21E-04	3.41E-04	5.63E-04
4084 488363.09, 3854877.25	0.00561	0.00819	8.52E-04	1.30E-03	8.03E-04	8.23E-04	7.76E-04	2.26E-04	3.30E-04	5.55E-04	2.20E-04	3.22E-04	5.42E-04	2.17E-04	3.17E-04	5.35E-04
4085 488863.09, 3854877.25	0.0056	0.00777	8.51E-04	1.23E-03	8.02E-04	8.21E-04	7.75E-04	2.25E-04	3.13E-04	5.38E-04	2.20E-04	3.05E-04	5.25E-04	2.17E-04	3.01E-04	5.18E-04
4086 489363.09, 3854877.25	0.00548	0.00731	8.33E-04	1.16E-03	7.85E-04	8.04E-04	7.58E-04	2.21E-04	2.94E-04	5.15E-04	2.15E-04	2.87E-04	5.02E-04	2.12E-04	2.83E-04	4.96E-04
4087 489863.09, 3854877.25	0.0052	0.00676	7.90E-04	1.07E-03	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.72E-04	4.81E-04	2.04E-04	2.65E-04	4.70E-04	2.01E-04	2.62E-04	4.63E-04
4088 490363.09, 3854877.25	0.0045	0.00569	6.84E-04	9.01E-04	6.44E-04	6.60E-04	6.22E-04	1.81E-04	2.29E-04	4.10E-04	1.77E-04	2.23E-04	4.00E-04	1.74E-04	2.20E-04	3.95E-04

4089 490863.09, 3854877.25	0.00386	0.00463	5.87E-04	7.33E-04	5.53E-04	5.66E-04	5.34E-04	1.55E-04	1.86E-04	3.42E-04	1.52E-04	1.82E-04	3.33E-04	1.50E-04	1.79E-04	3.29E-04
4090 491363.09, 3854877.25	0.00395	0.00473	6.00E-04	7.49E-04	5.65E-04	5.79E-04	5.46E-04	1.59E-04	1.90E-04	3.49E-04	1.55E-04	1.86E-04	3.41E-04	1.53E-04	1.83E-04	3.36E-04
4091 491863.09, 3854877.25	0.00462	0.00553	7.02E-04	8.76E-04	6.61E-04	6.77E-04	6.39E-04	1.86E-04	2.23E-04	4.08E-04	1.81E-04	2.17E-04	3.99E-04	1.79E-04	2.14E-04	3.93E-04
4092 492363.09, 3854877.25	0.00459	0.00539	6.97E-04	8.53E-04	6.57E-04	6.73E-04	6.35E-04	1.85E-04	2.17E-04	4.02E-04	1.80E-04	2.12E-04	3.92E-04	1.78E-04	2.09E-04	3.87E-04
4093 492863.09, 3854877.25	0.00444	0.00515	6.75E-04	8.15E-04	6.36E-04	6.51E-04	6.14E-04	1.79E-04	2.07E-04	3.86E-04	1.74E-04	2.02E-04	3.77E-04	1.72E-04	2.00E-04	3.72E-04
4094 493363.09, 3854877.25	0.00425	0.00489	6.46E-04	7.74E-04	6.08E-04	6.23E-04	5.88E-04	1.71E-04	1.97E-04	3.68E-04	1.67E-04	1.92E-04	3.59E-04	1.65E-04	1.89E-04	3.54E-04
4095 493863.09, 3854877.25	0.0041	0.00468	6.23E-04	7.41E-04	5.87E-04	6.01E-04	5.67E-04	1.65E-04	1.88E-04	3.53E-04	1.61E-04	1.84E-04	3.45E-04	1.59E-04	1.81E-04	3.40E-04
4096 494363.09, 3854877.25	0.00363	0.00409	5.52E-04	6.48E-04	5.20E-04	5.32E-04	5.02E-04	1.46E-04	1.65E-04	3.11E-04	1.43E-04	1.61E-04	3.03E-04	1.41E-04	1.58E-04	2.99E-04
4097 494863.09, 3854877.25	0.00317	0.00348	4.82E-04	5.51E-04	4.54E-04	4.65E-04	4.38E-04	1.28E-04	1.40E-04	2.68E-04	1.24E-04	1.37E-04	2.61E-04	1.23E-04	1.35E-04	2.58E-04
4098 495363.09, 3854877.25	0.00288	0.0031	4.38E-04	4.91E-04	4.12E-04	4.22E-04	3.98E-04	1.16E-04	1.25E-04	2.41E-04	1.13E-04	1.22E-04	2.35E-04	1.12E-04	1.20E-04	2.32E-04
4099 495863.09, 3854877.25	0.00272	0.00289	4.13E-04	4.58E-04	3.89E-04	3.99E-04	3.76E-04	1.09E-04	1.16E-04	2.26E-04	1.07E-04	1.13E-04	2.20E-04	1.05E-04	1.12E-04	2.17E-04
4100 496363.09, 3854877.25	0.0025	0.00261	3.80E-04	4.13E-04	3.58E-04	3.67E-04	3.46E-04	1.01E-04	1.05E-04	2.06E-04	9.82E-05	1.02E-04	2.01E-04	9.69E-05	1.01E-04	1.98E-04
4101 496863.09, 3854877.25	0.00236	0.00245	3.59E-04	3.88E-04	3.38E-04	3.46E-04	3.26E-04	9.50E-05	9.86E-05	1.94E-04	9.27E-05	9.62E-05	1.89E-04	9.14E-05	9.49E-05	1.86E-04
4102 497363.09, 3854877.25	0.00232	0.0024	3.53E-04	3.80E-04	3.32E-04	3.40E-04	3.21E-04	9.34E-05	9.66E-05	1.90E-04	9.11E-05	9.42E-05	1.85E-04	8.99E-05	9.30E-05	1.83E-04
4103 497863.09, 3854877.25	0.0024	0.00248	3.65E-04	3.93E-04	3.44E-04	3.52E-04	3.32E-04	9.66E-05	9.98E-05	1.96E-04	9.42E-05	9.74E-05	1.92E-04	9.30E-05	9.61E-05	1.89E-04
4104 498363.09, 3854877.25	0.00237	0.00244	3.60E-04	3.86E-04	3.39E-04	3.48E-04	3.28E-04	9.54E-05	9.82E-05	1.94E-04	9.31E-05	9.58E-05	1.89E-04	9.18E-05	9.45E-05	1.86E-04
4105 471363.09, 3855377.25	0.00141	0.00142	2.14E-04	2.25E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.71E-05	1.14E-04	5.54E-05	5.58E-05	1.11E-04	5.46E-05	5.50E-05	1.10E-04
4106 471863.09, 3855377.25	0.00144	0.00145	2.19E-04	2.30E-04	2.06E-04	2.11E-04	1.99E-04	5.80E-05	5.84E-05	1.16E-04	5.65E-05	5.69E-05	1.13E-04	5.58E-05	5.62E-05	1.12E-04
4107 472363.09, 3855377.25	0.00149	0.0015	2.26E-04	2.37E-04	2.13E-04	2.18E-04	2.06E-04	6.00E-05	6.04E-05	1.20E-04	5.85E-05	5.89E-05	1.17E-04	5.77E-05	5.81E-05	1.16E-04
4108 472863.09, 3855377.25	0.00151	0.00152	2.29E-04	2.41E-04	2.16E-04	2.21E-04	2.09E-04	6.08E-05	6.12E-05	1.22E-04	5.93E-05	5.97E-05	1.19E-04	5.85E-05	5.89E-05	1.17E-04
4109 473363.09, 3855377.25	0.00158	0.00159	2.40E-04	2.52E-04	2.26E-04	2.32E-04	2.19E-04	6.36E-05	6.40E-05	1.28E-04	6.20E-05	6.24E-05	1.24E-04	6.12E-05	6.16E-05	1.23E-04
4110 473863.09, 3855377.25	0.00164	0.00165	2.49E-04	2.61E-04	2.35E-04	2.40E-04	2.27E-04	6.60E-05	6.64E-05	1.32E-04	6.44E-05	6.48E-05	1.29E-04	6.35E-05	6.39E-05	1.27E-04
4111 474363.09, 3855377.25	0.00169	0.0017	2.57E-04	2.69E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.84E-05	1.36E-04	6.64E-05	6.68E-05	1.33E-04	6.55E-05	6.59E-05	1.31E-04
4112 474863.09, 3855377.25	0.00158	0.00159	2.40E-04	2.52E-04	2.26E-04	2.32E-04	2.19E-04	6.36E-05	6.40E-05	1.28E-04	6.20E-05	6.24E-05	1.24E-04	6.12E-05	6.16E-05	1.23E-04
4113 475363.09, 3855377.25	0.00128	0.00126	1.94E-04	1.99E-04	1.83E-04	1.88E-04	1.77E-04	5.15E-05	5.07E-05	1.02E-04	5.03E-05	4.95E-05	9.97E-05	4.96E-05	4.88E-05	9.84E-05
4114 475863.09, 3855377.25	0.00123	0.00119	1.87E-04	1.88E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.79E-05	9.74E-05	4.83E-05	4.67E-05	9.50E-05	4.77E-05	4.61E-05	9.38E-05
4115 476363.09, 3855377.25	0.00131	0.00127	1.99E-04	2.01E-04	1.88E-04	1.92E-04	1.81E-04	5.27E-05	5.11E-05	1.04E-04	5.14E-05	4.99E-05	1.01E-04	5.08E-05	4.92E-05	1.00E-04
4116 476863.09, 3855377.25	0.00134	0.00129	2.04E-04	2.04E-04	1.92E-04	1.96E-04	1.85E-04	5.39E-05	5.19E-05	1.06E-04	5.26E-05	5.07E-05	1.03E-04	5.19E-05	5.00E-05	1.02E-04
4117 477363.09, 3855377.25	0.00141	0.00136	2.14E-04	2.15E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.47E-05	1.11E-04	5.54E-05	5.34E-05	1.09E-04	5.46E-05	5.27E-05	1.07E-04
4118 477863.09, 3855377.25	0.00156	0.00151	2.37E-04	2.39E-04	2.23E-04	2.29E-04	2.16E-04	6.28E-05	6.08E-05	1.24E-04	6.13E-05	5.93E-05	1.21E-04	6.04E-05	5.85E-05	1.19E-04
4119 478363.09, 3855377.25	0.00173	0.00169	2.63E-04	2.68E-04	2.48E-04	2.54E-04	2.39E-04	6.96E-05	6.80E-05	1.38E-04	6.79E-05	6.64E-05	1.34E-04	6.70E-05	6.55E-05	1.33E-04
4120 478863.09, 3855377.25	0.00192	0.00189	2.92E-04	2.99E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.61E-05	1.53E-04	7.54E-05	7.42E-05	1.50E-04	7.44E-05	7.32E-05	1.48E-04
4121 479363.09, 3855377.25	0.00214	0.00214	3.25E-04	3.39E-04	3.06E-04	3.14E-04	2.96E-04	8.61E-05	8.61E-05	1.72E-04	8.40E-05	8.40E-05	1.68E-04	8.29E-05	8.29E-05	1.66E-04
4122 479863.09, 3855377.25	0.00239	0.00242	3.63E-04	3.83E-04	3.42E-04	3.50E-04	3.31E-04	9.62E-05	9.74E-05	1.94E-04	9.39E-05	9.50E-05	1.89E-04	9.26E-05	9.38E-05	1.86E-04
4123 480363.09, 3855377.25	0.00279	0.00289	4.24E-04	4.58E-04	3.99E-04	4.09E-04	3.86E-04	1.12E-04	1.16E-04	2.29E-04	1.10E-04	1.13E-04	2.23E-04	1.08E-04	1.12E-04	2.20E-04
4124 480863.09, 3855377.25	0.00344	0.00345	5.23E-04	5.46E-04	4.92E-04	5.04E-04	4.76E-04	1.38E-04	1.39E-04	2.77E-04	1.35E-04	1.35E-04	2.71E-04	1.33E-04	1.34E-04	2.67E-04
4125 481363.09, 3855377.25	0.00441	0.00401	6.70E-04	6.35E-04	6.31E-04	6.47E-04	6.10E-04	1.77E-04	1.61E-04	3.39E-04	1.73E-04	1.57E-04	3.31E-04	1.71E-04	1.55E-04	3.26E-04
4126 481863.09, 3855377.25	0.00564	0.00448	8.57E-04	7.09E-04	8.07E-04	8.27E-04	7.80E-04	2.27E-04	1.80E-04	4.07E-04	2.21E-04	1.76E-04	3.97E-04	2.19E-04	1.74E-04	3.92E-04
4127 482363.09, 3855377.25	0.00741	0.00493	1.13E-03	7.81E-04	1.06E-03	1.09E-03	1.02E-03	2.98E-04	1.98E-04	4.97E-04	2.91E-04	1.94E-04	4.85E-04	2.87E-04	1.91E-04	4.78E-04
4128 482863.09, 3855377.25	0.01098	0.00566	1.67E-03	8.96E-04	1.57E-03	1.61E-03	1.52E-03	4.42E-04	2.28E-04	6.70E-04	4.31E-04	2.22E-04	6.53E-04	4.25E-04	2.19E-04	6.45E-04
4129 483363.09, 3855377.25	0.0244	0.00675	3.71E-03	1.07E-03	3.49E-03	3.58E-03	3.37E-03	9.82E-04	2.72E-04	1.25E-03	9.58E-04	2.65E-04	1.22E-03	9.45E-04	2.62E-04	1.21E-03
4130 483863.09, 3855377.25	0.15791	0.00901	2.40E-02	1.43E-03	2.26E-02	2.32E-02	2.18E-02	6.35E-03	3.63E-04	6.72E-03	6.20E-03	3.54E-04	6.55E-03	6.12E-03	3.49E-04	6.47E-03
4131 484363.09, 3855377.25	0.03146	0.01369	4.78E-03	2.17E-03	4.50E-03	4.61E-03	4.35E-03	1.27E-03	5.51E-04	1.82E-03	1.24E-03	5.38E-04	1.77E-03	1.22E-03	5.30E-04	1.75E-03
4132 484863.09, 3855377.25	0.01891	0.03747	2.87E-03	5.93E-03	2.71E-03	2.77E-03	2.62E-03	7.61E-04	1.51E-03	2.27E-03	7.43E-04	1.47E-03	2.21E-03	7.33E-04	1.45E-03	2.18E-03
4133 485363.09, 3855377.25	0.01353	0.08666	2.06E-03	1.37E-02	1.94E-03	1.98E-03	1.87E-03	5.44E-04	3.49E-03	4.03E-03	5.31E-04	3.40E-03	3.93E-03	5.24E-04	3.36E-03	3.88E-03
4134 485863.09, 3855377.25	0.01077	0.03164	1.64E-03	5.01E-03	1.54E-03	1.58E-03	1.49E-03	4.33E-04	1.27E-03	1.71E-03	4.23E-04	1.24E-03	1.67E-03	4.17E-04	1.23E-03	1.64E-03
4135 486363.09, 3855377.25	0.00889	0.0196	1.35E-03	3.10E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	7.89E-04	1.15E-03	3.49E-04	7.70E-04	1.12E-03	3.44E-04	7.59E-04	1.10E-03
4136 486863.09, 3855377.25	0.0077	0.01436	1.17E-03	2.27E-03	1.10E-03	1.13E-03	1.06E-03	3.10E-04	5.78E-04	8.88E-04	3.02E-04	5.64E-04	8.66E-04	2.98E-04	5.56E-04	8.55E-04
4137 487363.09, 3855377.25	0.00728	0.01227	1.11E-03	1.94E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	4.94E-04	7.87E-04	2.86E-04	4.82E-04	7.68E-04	2.82E-04	4.75E-04	7.58E-04
4138 487863.09, 3855377.25	0.00686	0.01073	1.04E-03	1.70E-03	9.82E-04	1.01E-03	9.49E-04	2.76E-04	4.32E-04	7.08E-04	2.69E-04	4.21E-04	6.91E-04	2.66E-04	4.16E-04	6.82E-04
4139 488363.09, 3855377.25	0.0065	0.00956	9.88E-04	1.51E-03	9.31E-04	9.53E-04	8.99E-04	2.62E-04	3.85E-04	6.46E-04	2.55E-04	3.75E-04	6.31E-04	2.52E-04	3.70E-04	6.22E-04
4140 488863.09, 3855377.25	0.00623	0.00868	9.47E-04	1.37E-03	8.92E-04	9.13E-04	8.62E-04	2.51E-04	3.49E-04	6.00E-04	2.45E-04	3.41E-04	5.86E-04	2.41E-04	3.36E-04	5.78E-04
4141 489363.09, 3855377.25	0.00598	0.00798	9.09E-04	1.26E-03	8.56E-04	8.77E-04	8.27E-04	2.41E-04	3.21E-04	5.62E-04	2.35E-04	3.13E-04	5.48E-04	2.32E-04	3.09E-04	5.41E-04
4142 489863.09, 3855377.25	0.00569	0.00739	8.65E-04	1.17E-03	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.97E-04	5.26E-04	2.23E-04	2.90E-04	5.14E-04	2.20E-04	2.86E-04	5.07E-04
4143 490363.09, 3855377.25	0.0056	0.007	8.51E-04	1.11E-03	8.02E-04	8.21E-04	7.75E-04	2.25E-04	2.82E-04	5.07E-04	2.20E-04	2.75E-04	4.95E-04	2.17E-04	2.71E-04	4.88E-04
4144 490863.09, 3855377.25	0.00446	0.00556	6.78E-04	8.80E-04	6.38E-04	6.54E-04	6.17E-04	1.79E-04	2.24E-04	4.03E-04	1.75E-04	2.18E-04	3.93E-04	1.73E-04	2.15E-04	3.88E-04
4145 491363.09, 3855377.25	0.00414	0.00499	6.29E-04	7.90E-04	5.93E-04	6.07E-04	5.73E-04	1.67E-04	2.01E-04	3.67E-04	1.63E-04	1.96E-04	3.59E-04	1.60E-04	1.93E-04	3.54E-04
4146 491863.09, 3855377.25	0.00492	0.00586	7.48E-04	9.28E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	2.36E-04	4.34E-04	1.93E-04	2.30E-04	4.23E-04	1.91E-04	2.27E-04	4.18E-04
4147 492363.09, 3855377.25	0.00485	0.00565	7.37E-04	8.95E-04	6.94E-04	7.11E-04	6.71E-04	1.95E-04	2.27E-04	4.23E-04	1.90E-04	2.22E-04	4.12E-04	1.88E-04	2.19E-04	4.07E-04
4148 492863.09, 3855377.25	0.00465	0.00537	7.07E-04	8.50E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	2.16E-04	4.03E-04	1.83E-04	2.11E-04	3.93E-04	1.80E-04	2.08E-04	3.88E-04
4149 493363.09, 3855377.25	0.00433	0.00499	6.58E-04	7.90E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	2.01E-04	3.75E-04	1.70E-04	1.96E-04	3.66E-04	1.68E-04	1.93E-04	3.61E-04
4150 493863.09, 3855377.25	0.00384	0.00436	5.83E-04	6.90E-04	5.50E-04	5.63E-04	5.31E-04	1.55E-04	1.75E-04	3.30E-04	1.51E-04	1.71E-04	3.22E-04	1.49E-04	1.69E-04	3.18E-04
4151 494363.09, 3855377.25	0.00336	0.0037	5.11E-04	5.86E-04	4.81E-04	4.93E-04	4.65E-04	1.35E-04	1.49E-04	2.84E-04	1.32E-04	1.45E-04	2.77E-04	1.30E-04	1.43E-04	2.74E-04
4152 494863.09, 3855377.25	0.00295	0.00315	4.48E-04	4.99E-04	4.22E-04	4.33E-04	4.08E-04	1.19E-04	1.27E-04	2.45E-04	1.16E-04	1.24E-04	2.40E-04	1.14E-04	1.22E-04	2.36E-04
4153 495363.09, 3855377.25	0.00267	0.0028	4.06E-04	4.43E-04	3.82E-04	3.91E-04	3.69E-04	1.07E-04	1.13E-04	2.20E-04	1.05E-04	1.10E-04	2.15E-04	1.03E-04	1.08E-04	2.12E-04
4154 495863.09, 3855377.25	0.00247	0.00256	3.75E-04	4.05E-04	3.54E-04	3.62E-04	3.42E-04	9.94E-05	1.03E-04	2.02E-04	9.70E-05	1.01E-04	1.98E-04	9.57E-05	9.92E-05	1.95E-04

4155 496363.09, 3855377.25	0.00243	0.0025	3.69E-04	3.96E-04	3.48E-04	3.56E-04	3.36E-04	9.78E-05	1.01E-04	1.98E-04	9.54E-05	9.82E-05	1.94E-04	9.42E-05	9.69E-05	1.91E-04
4156 496863.09, 3855377.25	0.00239	0.00245	3.63E-04	3.88E-04	3.42E-04	3.50E-04	3.31E-04	9.62E-05	9.86E-05	1.95E-04	9.39E-05	9.62E-05	1.90E-04	9.26E-05	9.49E-05	1.88E-04
4157 497363.09, 3855377.25	0.00239	0.00246	3.63E-04	3.89E-04	3.42E-04	3.50E-04	3.31E-04	9.62E-05	9.90E-05	1.95E-04	9.39E-05	9.66E-05	1.90E-04	9.26E-05	9.53E-05	1.88E-04
4158 497863.09, 3855377.25	0.00244	0.00249	3.71E-04	3.94E-04	3.49E-04	3.58E-04	3.37E-04	9.82E-05	1.00E-04	1.98E-04	9.58E-05	9.78E-05	1.94E-04	9.45E-05	9.65E-05	1.91E-04
4159 498363.09, 3855377.25	0.00249	0.00255	3.78E-04	4.04E-04	3.56E-04	3.65E-04	3.44E-04	1.00E-04	1.03E-04	2.03E-04	9.78E-05	1.00E-04	1.98E-04	9.65E-05	9.88E-05	1.95E-04
4160 471363.09, 3855877.25	0.00138	0.00139	2.10E-04	2.20E-04	1.98E-04	2.02E-04	1.91E-04	5.55E-05	5.59E-05	1.11E-04	5.42E-05	5.46E-05	1.09E-04	5.35E-05	5.39E-05	1.07E-04
4161 471863.09, 3855877.25	0.00141	0.00143	2.14E-04	2.26E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.75E-05	1.14E-04	5.54E-05	5.62E-05	1.12E-04	5.46E-05	5.54E-05	1.10E-04
4162 472363.09, 3855877.25	0.00147	0.00149	2.23E-04	2.36E-04	2.10E-04	2.16E-04	2.03E-04	5.92E-05	6.00E-05	1.19E-04	5.77E-05	5.85E-05	1.16E-04	5.70E-05	5.77E-05	1.15E-04
4163 472863.09, 3855877.25	0.00148	0.0015	2.25E-04	2.37E-04	2.12E-04	2.17E-04	2.05E-04	5.96E-05	6.04E-05	1.20E-04	5.81E-05	5.89E-05	1.17E-04	5.73E-05	5.81E-05	1.15E-04
4164 473363.09, 3855877.25	0.00155	0.00158	2.36E-04	2.50E-04	2.22E-04	2.27E-04	2.14E-04	6.24E-05	6.36E-05	1.26E-04	6.09E-05	6.20E-05	1.23E-04	6.01E-05	6.12E-05	1.21E-04
4165 473863.09, 3855877.25	0.00161	0.00164	2.45E-04	2.60E-04	2.30E-04	2.36E-04	2.23E-04	6.48E-05	6.60E-05	1.31E-04	6.32E-05	6.44E-05	1.28E-04	6.24E-05	6.35E-05	1.26E-04
4166 474363.09, 3855877.25	0.00165	0.00168	2.51E-04	2.66E-04	2.36E-04	2.42E-04	2.28E-04	6.64E-05	6.76E-05	1.34E-04	6.48E-05	6.60E-05	1.31E-04	6.39E-05	6.51E-05	1.29E-04
4167 474863.09, 3855877.25	0.00151	0.00154	2.29E-04	2.44E-04	2.16E-04	2.21E-04	2.09E-04	6.08E-05	6.20E-05	1.23E-04	5.93E-05	6.05E-05	1.20E-04	5.85E-05	5.97E-05	1.18E-04
4168 475363.09, 3855877.25	0.00132	0.00131	2.01E-04	2.07E-04	1.89E-04	1.94E-04	1.83E-04	5.31E-05	5.27E-05	1.06E-04	5.18E-05	5.14E-05	1.03E-04	5.11E-05	5.08E-05	1.02E-04
4169 475863.09, 3855877.25	0.0011	0.00107	1.67E-04	1.69E-04	1.57E-04	1.61E-04	1.52E-04	4.43E-05	4.31E-05	8.73E-05	4.32E-05	4.20E-05	8.52E-05	4.26E-05	4.15E-05	8.41E-05
4170 476363.09, 3855877.25	0.00114	0.00111	1.73E-04	1.76E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.47E-05	9.05E-05	4.48E-05	4.36E-05	8.84E-05	4.42E-05	4.30E-05	8.72E-05
4171 476863.09, 3855877.25	0.0013	0.00126	1.98E-04	1.99E-04	1.86E-04	1.91E-04	1.80E-04	5.23E-05	5.07E-05	1.03E-04	5.11E-05	4.95E-05	1.01E-04	5.04E-05	4.88E-05	9.92E-05
4172 477363.09, 3855877.25	0.00141	0.00137	2.14E-04	2.17E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.51E-05	1.12E-04	5.54E-05	5.38E-05	1.09E-04	5.46E-05	5.31E-05	1.08E-04
4173 477863.09, 3855877.25	0.00152	0.00149	2.31E-04	2.36E-04	2.18E-04	2.23E-04	2.10E-04	6.12E-05	6.00E-05	1.21E-04	5.97E-05	5.85E-05	1.18E-04	5.89E-05	5.77E-05	1.17E-04
4174 478363.09, 3855877.25	0.00168	0.00166	2.55E-04	2.63E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.68E-05	1.34E-04	6.60E-05	6.52E-05	1.31E-04	6.51E-05	6.43E-05	1.29E-04
4175 478863.09, 3855877.25	0.00186	0.00186	2.83E-04	2.94E-04	2.66E-04	2.73E-04	2.57E-04	7.49E-05	7.49E-05	1.50E-04	7.30E-05	7.30E-05	1.46E-04	7.21E-05	7.21E-05	1.44E-04
4176 479363.09, 3855877.25	0.00209	0.00213	3.18E-04	3.37E-04	2.99E-04	3.06E-04	2.89E-04	8.41E-05	8.57E-05	1.70E-04	8.21E-05	8.36E-05	1.66E-04	8.10E-05	8.25E-05	1.64E-04
4177 479863.09, 3855877.25	0.00232	0.0024	3.53E-04	3.80E-04	3.32E-04	3.40E-04	3.21E-04	9.34E-05	9.66E-05	1.90E-04	9.11E-05	9.42E-05	1.85E-04	8.99E-05	9.30E-05	1.83E-04
4178 480363.09, 3855877.25	0.00266	0.00277	4.04E-04	4.39E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.11E-04	2.19E-04	1.04E-04	1.09E-04	2.13E-04	1.03E-04	1.07E-04	2.10E-04
4179 480863.09, 3855877.25	0.00315	0.0032	4.79E-04	5.07E-04	4.51E-04	4.62E-04	4.36E-04	1.27E-04	1.29E-04	2.56E-04	1.24E-04	1.26E-04	2.49E-04	1.22E-04	1.24E-04	2.46E-04
4180 481363.09, 3855877.25	0.00339	0.00344	5.15E-04	5.45E-04	4.85E-04	4.97E-04	4.69E-04	1.36E-04	1.38E-04	2.75E-04	1.33E-04	1.35E-04	2.68E-04	1.31E-04	1.33E-04	2.65E-04
4181 481863.09, 3855877.25	0.00483	0.00395	7.34E-04	6.25E-04	6.91E-04	7.08E-04	6.68E-04	1.94E-04	1.59E-04	3.53E-04	1.90E-04	1.55E-04	3.45E-04	1.87E-04	1.53E-04	3.40E-04
4182 482363.09, 3855877.25	0.0059	0.00419	8.97E-04	6.63E-04	8.45E-04	8.65E-04	8.16E-04	2.37E-04	1.69E-04	4.06E-04	2.32E-04	1.65E-04	3.96E-04	2.29E-04	1.62E-04	3.91E-04
4183 482863.09, 3855877.25	0.00745	0.00463	1.13E-03	7.33E-04	1.07E-03	1.09E-03	1.03E-03	3.00E-04	1.86E-04	4.86E-04	2.93E-04	1.82E-04	4.74E-04	2.89E-04	1.79E-04	4.68E-04
4184 483363.09, 3855877.25	0.01062	0.00523	1.61E-03	8.28E-04	1.52E-03	1.56E-03	1.47E-03	4.27E-04	2.10E-04	6.38E-04	4.17E-04	2.05E-04	6.22E-04	4.12E-04	2.03E-04	6.14E-04
4185 483863.09, 3855877.25	0.02192	0.00624	3.33E-03	9.88E-04	3.14E-03	3.21E-03	3.03E-03	8.82E-04	2.51E-04	1.13E-03	8.61E-04	2.45E-04	1.11E-03	8.49E-04	2.42E-04	1.09E-03
4186 484363.09, 3855877.25	0.25543	0.00823	3.88E-02	1.30E-03	3.66E-02	3.75E-02	3.53E-02	1.03E-02	3.31E-04	1.06E-02	1.00E-02	3.23E-04	1.04E-02	9.90E-03	3.19E-04	1.02E-02
4187 484863.09, 3855877.25	0.04004	0.01233	6.08E-03	1.95E-03	5.73E-03	5.87E-03	5.54E-03	1.61E-03	4.96E-04	2.11E-03	1.57E-03	4.84E-04	2.06E-03	1.55E-03	4.78E-04	2.03E-03
4188 485363.09, 3855877.25	0.0222	0.03291	3.37E-03	5.21E-03	3.18E-03	3.26E-03	3.07E-03	8.93E-04	1.32E-03	2.22E-03	8.72E-04	1.29E-03	2.16E-03	8.60E-04	1.28E-03	2.14E-03
4189 485863.09, 3855877.25	0.01524	0.09566	2.32E-03	1.51E-02	2.18E-03	2.23E-03	2.11E-03	6.13E-04	3.85E-03	4.46E-03	5.98E-04	3.76E-03	4.36E-03	5.91E-04	3.71E-03	4.30E-03
4190 486363.09, 3855877.25	0.01144	0.03109	1.74E-03	4.92E-03	1.64E-03	1.68E-03	1.58E-03	4.60E-04	1.25E-03	1.71E-03	4.49E-04	1.22E-03	1.67E-03	4.43E-04	1.20E-03	1.65E-03
4191 486863.09, 3855877.25	0.0096	0.01969	1.46E-03	3.12E-03	1.37E-03	1.41E-03	1.33E-03	3.86E-04	7.92E-04	1.18E-03	3.77E-04	7.73E-04	1.15E-03	3.72E-04	7.63E-04	1.13E-03
4192 487363.09, 3855877.25	0.00888	0.01567	1.35E-03	2.48E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	6.31E-04	9.88E-04	3.49E-04	6.15E-04	9.64E-04	3.44E-04	6.07E-04	9.51E-04
4193 487863.09, 3855877.25	0.00833	0.01315	1.27E-03	2.08E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	5.29E-04	8.64E-04	3.27E-04	5.16E-04	8.44E-04	3.23E-04	5.10E-04	8.32E-04
4194 488363.09, 3855877.25	0.00776	0.01129	1.18E-03	1.79E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	4.54E-04	7.67E-04	3.05E-04	4.43E-04	7.48E-04	3.01E-04	4.37E-04	7.38E-04
4195 488863.09, 3855877.25	0.00727	0.00994	1.10E-03	1.57E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	4.00E-04	6.93E-04	2.85E-04	3.90E-04	6.76E-04	2.82E-04	3.85E-04	6.67E-04
4196 489363.09, 3855877.25	0.00682	0.00889	1.04E-03	1.41E-03	9.76E-04	1.00E-03	9.43E-04	2.74E-04	3.58E-04	6.32E-04	2.68E-04	3.49E-04	6.17E-04	2.64E-04	3.44E-04	6.09E-04
4197 489863.09, 3855877.25	0.00645	0.0081	9.80E-04	1.28E-03	9.23E-04	9.46E-04	8.92E-04	2.60E-04	3.26E-04	5.86E-04	2.53E-04	3.18E-04	5.71E-04	2.50E-04	3.14E-04	5.64E-04
4198 490363.09, 3855877.25	0.00618	0.00751	9.39E-04	1.19E-03	8.85E-04	9.06E-04	8.55E-04	2.49E-04	3.02E-04	5.51E-04	2.43E-04	2.95E-04	5.38E-04	2.39E-04	2.91E-04	5.30E-04
4199 490863.09, 3855877.25	0.0058	0.00699	8.81E-04	1.11E-03	8.30E-04	8.50E-04	8.02E-04	2.33E-04	2.81E-04	5.15E-04	2.28E-04	2.74E-04	5.02E-04	2.25E-04	2.71E-04	4.96E-04
4200 491363.09, 3855877.25	0.00521	0.00634	7.92E-04	1.00E-03	7.46E-04	7.64E-04	7.21E-04	2.10E-04	2.55E-04	4.65E-04	2.05E-04	2.49E-04	4.54E-04	2.02E-04	2.46E-04	4.48E-04
4201 491863.09, 3855877.25	0.0054	0.00625	8.21E-04	9.90E-04	7.73E-04	7.92E-04	7.47E-04	2.17E-04	2.52E-04	4.69E-04	2.12E-04	2.45E-04	4.57E-04	2.09E-04	2.42E-04	4.51E-04
4202 492363.09, 3855877.25	0.00511	0.00588	7.76E-04	9.31E-04	7.32E-04	7.49E-04	7.07E-04	2.06E-04	2.37E-04	4.42E-04	2.01E-04	2.31E-04	4.32E-04	1.98E-04	2.28E-04	4.26E-04
4203 492863.09, 3855877.25	0.00486	0.00554	7.38E-04	8.77E-04	6.96E-04	7.13E-04	6.72E-04	1.96E-04	2.23E-04	4.19E-04	1.91E-04	2.18E-04	4.08E-04	1.88E-04	2.15E-04	4.03E-04
4204 493363.09, 3855877.25	0.00423	0.00482	6.43E-04	7.63E-04	6.06E-04	6.20E-04	5.85E-04	1.70E-04	1.94E-04	3.64E-04	1.66E-04	1.89E-04	3.55E-04	1.64E-04	1.87E-04	3.51E-04
4205 493863.09, 3855877.25	0.00364	0.00402	5.53E-04	6.36E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.62E-04	3.08E-04	1.43E-04	1.58E-04	3.01E-04	1.41E-04	1.56E-04	2.97E-04
4206 494363.09, 3855877.25	0.00315	0.00336	4.79E-04	5.32E-04	4.51E-04	4.62E-04	4.36E-04	1.27E-04	1.35E-04	2.62E-04	1.24E-04	1.32E-04	2.56E-04	1.22E-04	1.30E-04	2.52E-04
4207 494863.09, 3855877.25	0.00283	0.00294	4.30E-04	4.65E-04	4.05E-04	4.15E-04	3.91E-04	1.14E-04	1.18E-04	2.32E-04	1.11E-04	1.15E-04	2.27E-04	1.10E-04	1.14E-04	2.24E-04
4208 495363.09, 3855877.25	0.0025	0.00255	3.80E-04	4.04E-04	3.58E-04	3.67E-04	3.46E-04	1.01E-04	1.03E-04	2.03E-04	9.82E-05	1.00E-04	1.98E-04	9.69E-05	9.88E-05	1.96E-04
4209 495863.09, 3855877.25	0.00246	0.0025	3.74E-04	3.96E-04	3.52E-04	3.61E-04	3.40E-04	9.90E-05	1.01E-04	2.00E-04	9.66E-05	9.82E-05	1.95E-04	9.53E-05	9.69E-05	1.92E-04
4210 496363.09, 3855877.25	0.00243	0.00247	3.69E-04	3.91E-04	3.48E-04	3.56E-04	3.36E-04	9.78E-05	9.94E-05	1.97E-04	9.54E-05	9.70E-05	1.92E-04	9.42E-05	9.57E-05	1.90E-04
4211 496863.09, 3855877.25	0.00245	0.00249	3.72E-04	3.94E-04	3.51E-04	3.59E-04	3.39E-04	9.86E-05	1.00E-04	1.99E-04	9.62E-05	9.78E-05	1.94E-04	9.49E-05	9.65E-05	1.91E-04
4212 497363.09, 3855877.25	0.00248	0.00252	3.77E-04	3.99E-04	3.55E-04	3.64E-04	3.43E-04	9.98E-05	1.01E-04	2.01E-04	9.74E-05	9.90E-05	1.96E-04	9.61E-05	9.76E-05	1.94E-04
4213 497863.09, 3855877.25	0.00254	0.00257	3.86E-04	4.07E-04	3.64E-04	3.72E-04	3.51E-04	1.02E-04	1.03E-04	2.06E-04	9.97E-05	1.01E-04	2.01E-04	9.84E-05	9.96E-05	1.98E-04
4214 498363.09, 3855877.25	0.00266	0.00272	4.04E-04	4.31E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.09E-04	2.17E-04	1.04E-04	1.07E-04	2.11E-04	1.03E-04	1.05E-04	2.08E-04
4215 471363.09, 3856377.25	0.00132	0.00134	2.01E-04	2.12E-04	1.89E-04	1.94E-04	1.83E-04	5.31E-05	5.39E-05	1.07E-04	5.18E-05	5.26E-05	1.04E-04	5.11E-05	5.19E-05	1.03E-04
4216 471863.09, 3856377.25	0.00135	0.00137	2.05E-04	2.17E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.51E-05	1.09E-04	5.30E-05	5.38E-05	1.07E-04	5.23E-05	5.31E-05	1.05E-04
4217 472363.09, 3856377.25	0.00141	0.00143	2.14E-04	2.26E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.75E-05	1.14E-04	5.54E-05	5.62E-05	1.12E-04	5.46E-05	5.54E-05	1.10E-04
4218 472863.09, 3856377.25	0.00146	0.00149	2.22E-04	2.36E-04	2.09E-04	2.14E-04	2.02E-04	5.88E-05	6.00E-05	1.19E-04	5.73E-05	5.85E-05	1.16E-04	5.66E-05	5.77E-05	1.14E-04
4219 473363.09, 3856377.25	0.00151	0.00154	2.29E-04	2.44E-04	2.16E-04	2.21E-04	2.09E-04	6.08E-05	6.20E-05	1.23E-04	5.93E-05	6.05E-05	1.20E-04	5.85E-05	5.97E-05	1.18E-04
4220 473863.09, 3856377.25	0.00159	0.00162	2.42E-04	2.56E-04	2.28E-04	2.33E-04	2.20E-04	6.40E-05	6.52E-05	1.29E-04	6.24E-05	6.36E-05	1.26E-04	6.16E-05	6.28E-05	1.24E-04

4221 474363.09, 3856377.25	0.00158	0.00162	2.40E-04	2.56E-04	2.26E-04	2.32E-04	2.19E-04	6.36E-05	6.52E-05	1.29E-04	6.20E-05	6.36E-05	1.26E-04	6.12E-05	6.28E-05	1.24E-04
4222 474863.09, 3856377.25	0.00153	0.00158	2.32E-04	2.50E-04	2.19E-04	2.24E-04	2.12E-04	6.16E-05	6.36E-05	1.25E-04	6.01E-05	6.20E-05	1.22E-04	5.93E-05	6.12E-05	1.21E-04
4223 475363.09, 3856377.25	0.00142	0.00146	2.16E-04	2.31E-04	2.03E-04	2.08E-04	1.96E-04	5.71E-05	5.88E-05	1.16E-04	5.58E-05	5.73E-05	1.13E-04	5.50E-05	5.66E-05	1.12E-04
4224 475863.09, 3856377.25	0.00129	0.0013	1.96E-04	2.06E-04	1.85E-04	1.89E-04	1.78E-04	5.19E-05	5.23E-05	1.04E-04	5.07E-05	5.11E-05	1.02E-04	5.00E-05	5.04E-05	1.00E-04
4225 476363.09, 3856377.25	0.00129	0.0013	1.96E-04	2.06E-04	1.85E-04	1.89E-04	1.78E-04	5.19E-05	5.23E-05	1.04E-04	5.07E-05	5.11E-05	1.02E-04	5.00E-05	5.04E-05	1.00E-04
4226 476863.09, 3856377.25	0.00133	0.00133	2.02E-04	2.11E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.35E-05	1.07E-04	5.22E-05	5.22E-05	1.04E-04	5.15E-05	5.15E-05	1.03E-04
4227 477363.09, 3856377.25	0.0014	0.00139	2.13E-04	2.20E-04	2.00E-04	2.05E-04	1.94E-04	5.63E-05	5.59E-05	1.12E-04	5.50E-05	5.46E-05	1.10E-04	5.42E-05	5.39E-05	1.08E-04
4228 477863.09, 3856377.25	0.00137	0.00134	2.08E-04	2.12E-04	1.96E-04	2.01E-04	1.89E-04	5.51E-05	5.39E-05	1.09E-04	5.38E-05	5.26E-05	1.06E-04	5.31E-05	5.19E-05	1.05E-04
4229 478363.09, 3856377.25	0.00139	0.00134	2.11E-04	2.12E-04	1.99E-04	2.04E-04	1.92E-04	5.59E-05	5.39E-05	1.10E-04	5.46E-05	5.26E-05	1.07E-04	5.39E-05	5.19E-05	1.06E-04
4230 478863.09, 3856377.25	0.00168	0.00167	2.55E-04	2.64E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.72E-05	1.35E-04	6.60E-05	6.56E-05	1.32E-04	6.51E-05	6.47E-05	1.30E-04
4231 479363.09, 3856377.25	0.00185	0.00185	2.81E-04	2.93E-04	2.65E-04	2.71E-04	2.56E-04	7.44E-05	7.44E-05	1.49E-04	7.26E-05	7.26E-05	1.45E-04	7.17E-05	7.17E-05	1.43E-04
4232 479863.09, 3856377.25	0.00217	0.00225	3.30E-04	3.56E-04	3.11E-04	3.18E-04	3.00E-04	8.73E-05	9.05E-05	1.78E-04	8.52E-05	8.84E-05	1.74E-04	8.41E-05	8.72E-05	1.71E-04
4233 480363.09, 3856377.25	0.00255	0.00264	3.87E-04	4.18E-04	3.65E-04	3.74E-04	3.53E-04	1.03E-04	1.06E-04	2.09E-04	1.00E-04	1.04E-04	2.04E-04	9.88E-05	1.02E-04	2.01E-04
4234 480863.09, 3856377.25	0.00296	0.00298	4.50E-04	4.72E-04	4.24E-04	4.34E-04	4.09E-04	1.19E-04	1.20E-04	2.39E-04	1.16E-04	1.17E-04	2.33E-04	1.15E-04	1.15E-04	2.30E-04
4235 481363.09, 3856377.25	0.00353	0.0033	5.36E-04	5.22E-04	5.05E-04	5.18E-04	4.88E-04	1.42E-04	1.33E-04	2.75E-04	1.39E-04	1.30E-04	2.68E-04	1.37E-04	1.28E-04	2.65E-04
4236 481863.09, 3856377.25	0.00431	0.00358	6.55E-04	5.67E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.44E-04	3.18E-04	1.69E-04	1.41E-04	3.10E-04	1.67E-04	1.39E-04	3.06E-04
4237 482363.09, 3856377.25	0.00501	0.00377	7.61E-04	5.97E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	1.52E-04	3.53E-04	1.97E-04	1.48E-04	3.45E-04	1.94E-04	1.46E-04	3.40E-04
4238 482863.09, 3856377.25	0.0059	0.00407	8.97E-04	6.44E-04	8.45E-04	8.65E-04	8.16E-04	2.37E-04	1.64E-04	4.01E-04	2.32E-04	1.60E-04	3.92E-04	2.29E-04	1.58E-04	3.86E-04
4239 483363.09, 3856377.25	0.00726	0.00445	1.10E-03	7.05E-04	1.04E-03	1.06E-03	1.00E-03	2.92E-04	1.79E-04	4.71E-04	2.85E-04	1.75E-04	4.60E-04	2.81E-04	1.72E-04	4.54E-04
4240 483863.09, 3856377.25	0.01007	0.00503	1.53E-03	7.96E-04	1.44E-03	1.48E-03	1.39E-03	4.05E-04	2.02E-04	6.08E-04	3.95E-04	1.98E-04	5.93E-04	3.90E-04	1.95E-04	5.85E-04
4241 484363.09, 3856377.25	0.01851	0.00609	2.81E-03	9.64E-04	2.65E-03	2.71E-03	2.56E-03	7.45E-04	2.45E-04	9.90E-04	7.27E-04	2.39E-04	9.66E-04	7.17E-04	2.36E-04	9.53E-04
4242 484863.09, 3856377.25	0.19022	0.00781	2.89E-02	1.24E-03	2.72E-02	2.79E-02	2.63E-02	7.66E-03	3.14E-04	7.97E-03	7.47E-03	3.07E-04	7.78E-03	7.37E-03	3.03E-04	7.67E-03
4243 485363.09, 3856377.25	0.05315	0.01153	8.08E-03	1.83E-03	7.61E-03	7.79E-03	7.35E-03	2.14E-03	4.64E-04	2.60E-03	2.09E-03	4.53E-04	2.54E-03	2.06E-03	4.47E-04	2.51E-03
4244 485863.09, 3856377.25	0.02548	0.0289	3.87E-03	4.58E-03	3.65E-03	3.74E-03	3.52E-03	1.03E-03	1.16E-03	2.19E-03	1.00E-03	1.13E-03	2.14E-03	9.87E-04	1.12E-03	2.11E-03
4245 486363.09, 3856377.25	0.01554	0.11034	2.36E-03	1.75E-02	2.22E-03	2.28E-03	2.15E-03	6.25E-04	4.44E-03	5.07E-03	6.10E-04	4.33E-03	4.94E-03	6.02E-04	4.28E-03	4.88E-03
4246 486863.09, 3856377.25	0.01267	0.03485	1.93E-03	5.52E-03	1.81E-03	1.86E-03	1.75E-03	5.10E-04	1.40E-03	1.91E-03	4.98E-04	1.37E-03	1.87E-03	4.91E-04	1.35E-03	1.84E-03
4247 487363.09, 3856377.25	0.01113	0.02168	1.69E-03	3.43E-03	1.59E-03	1.63E-03	1.54E-03	4.48E-04	8.72E-04	1.32E-03	4.37E-04	8.51E-04	1.29E-03	4.31E-04	8.40E-04	1.27E-03
4248 487863.09, 3856377.25	0.01022	0.01626	1.55E-03	2.57E-03	1.46E-03	1.50E-03	1.41E-03	4.11E-04	6.54E-04	1.07E-03	4.01E-04	6.39E-04	1.04E-03	3.96E-04	6.30E-04	1.03E-03
4249 488363.09, 3856377.25	0.00939	0.01332	1.43E-03	2.11E-03	1.34E-03	1.38E-03	1.30E-03	3.78E-04	5.36E-04	9.14E-04	3.69E-04	5.23E-04	8.92E-04	3.64E-04	5.16E-04	8.80E-04
4250 488863.09, 3856377.25	0.00866	0.01138	1.32E-03	1.80E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	4.58E-04	8.06E-04	3.40E-04	4.47E-04	7.87E-04	3.36E-04	4.41E-04	7.77E-04
4251 489363.09, 3856377.25	0.00803	0.01001	1.22E-03	1.58E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	4.03E-04	7.26E-04	3.15E-04	3.93E-04	7.08E-04	3.11E-04	3.88E-04	6.99E-04
4252 489863.09, 3856377.25	0.00748	0.00896	1.14E-03	1.42E-03	1.07E-03	1.10E-03	1.03E-03	3.01E-04	3.61E-04	6.62E-04	2.94E-04	3.52E-04	6.46E-04	2.90E-04	3.47E-04	6.37E-04
4253 490363.09, 3856377.25	0.00694	0.00814	1.05E-03	1.29E-03	9.94E-04	1.02E-03	9.60E-04	2.79E-04	3.28E-04	6.07E-04	2.73E-04	3.20E-04	5.92E-04	2.69E-04	3.15E-04	5.84E-04
4254 490863.09, 3856377.25	0.00646	0.0075	9.82E-04	1.19E-03	9.25E-04	9.47E-04	8.93E-04	2.60E-04	3.02E-04	5.62E-04	2.54E-04	2.95E-04	5.48E-04	2.50E-04	2.91E-04	5.41E-04
4255 491363.09, 3856377.25	0.00611	0.00698	9.28E-04	1.11E-03	8.75E-04	8.96E-04	8.45E-04	2.46E-04	2.81E-04	5.27E-04	2.40E-04	2.74E-04	5.14E-04	2.37E-04	2.70E-04	5.07E-04
4256 491863.09, 3856377.25	0.00577	0.00652	8.77E-04	1.03E-03	8.26E-04	8.46E-04	7.98E-04	2.32E-04	2.62E-04	4.95E-04	2.27E-04	2.56E-04	4.83E-04	2.24E-04	2.53E-04	4.76E-04
4257 492363.09, 3856377.25	0.00537	0.00606	8.16E-04	9.59E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.44E-04	4.60E-04	2.11E-04	2.38E-04	4.49E-04	2.08E-04	2.35E-04	4.43E-04
4258 492863.09, 3856377.25	0.00477	0.0054	7.25E-04	8.55E-04	6.83E-04	6.99E-04	6.60E-04	1.92E-04	2.17E-04	4.09E-04	1.87E-04	2.12E-04	3.99E-04	1.85E-04	2.09E-04	3.94E-04
4259 493363.09, 3856377.25	0.00389	0.00426	5.91E-04	6.74E-04	5.57E-04	5.70E-04	5.38E-04	1.57E-04	1.71E-04	3.28E-04	1.53E-04	1.67E-04	3.20E-04	1.51E-04	1.65E-04	3.16E-04
4260 493863.09, 3856377.25	0.0035	0.00373	5.32E-04	5.91E-04	5.01E-04	5.13E-04	4.84E-04	1.41E-04	1.50E-04	2.91E-04	1.37E-04	1.46E-04	2.84E-04	1.36E-04	1.45E-04	2.80E-04
4261 494363.09, 3856377.25	0.00308	0.00318	4.68E-04	5.03E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.28E-04	2.52E-04	1.21E-04	1.25E-04	2.46E-04	1.19E-04	1.23E-04	2.43E-04
4262 494863.09, 3856377.25	0.00276	0.0028	4.19E-04	4.43E-04	3.95E-04	4.05E-04	3.82E-04	1.11E-04	1.13E-04	2.24E-04	1.08E-04	1.10E-04	2.18E-04	1.07E-04	1.08E-04	2.15E-04
4263 495363.09, 3856377.25	0.00256	0.00257	3.89E-04	4.07E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.03E-04	2.06E-04	1.01E-04	1.01E-04	2.01E-04	9.92E-05	9.96E-05	1.99E-04
4264 495863.09, 3856377.25	0.00251	0.00252	3.81E-04	3.99E-04	3.59E-04	3.68E-04	3.47E-04	1.01E-04	1.01E-04	2.02E-04	9.86E-05	9.90E-05	1.98E-04	9.73E-05	9.76E-05	1.95E-04
4265 496363.09, 3856377.25	0.00251	0.00252	3.81E-04	3.99E-04	3.59E-04	3.68E-04	3.47E-04	1.01E-04	1.01E-04	2.02E-04	9.86E-05	9.90E-05	1.98E-04	9.73E-05	9.76E-05	1.95E-04
4266 496863.09, 3856377.25	0.00256	0.00258	3.89E-04	4.08E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.04E-04	2.07E-04	1.01E-04	1.01E-04	2.02E-04	9.92E-05	1.00E-04	1.99E-04
4267 497363.09, 3856377.25	0.00262	0.00264	3.98E-04	4.18E-04	3.75E-04	3.84E-04	3.62E-04	1.05E-04	1.06E-04	2.12E-04	1.03E-04	1.04E-04	2.07E-04	1.02E-04	1.02E-04	2.04E-04
4268 497863.09, 3856377.25	0.0027	0.00274	4.10E-04	4.34E-04	3.87E-04	3.96E-04	3.73E-04	1.09E-04	1.10E-04	2.19E-04	1.06E-04	1.08E-04	2.14E-04	1.05E-04	1.06E-04	2.11E-04
4269 498363.09, 3856377.25	0.00281	0.00287	4.27E-04	4.54E-04	4.02E-04	4.12E-04	3.89E-04	1.13E-04	1.15E-04	2.29E-04	1.10E-04	1.13E-04	2.23E-04	1.09E-04	1.11E-04	2.20E-04
4270 471363.09, 3856877.25	0.00128	0.0013	1.94E-04	2.06E-04	1.83E-04	1.88E-04	1.77E-04	5.15E-05	5.23E-05	1.04E-04	5.03E-05	5.11E-05	1.01E-04	4.96E-05	5.04E-05	1.00E-04
4271 471863.09, 3856877.25	0.0013	0.00133	1.98E-04	2.11E-04	1.86E-04	1.91E-04	1.80E-04	5.23E-05	5.35E-05	1.06E-04	5.11E-05	5.22E-05	1.03E-04	5.04E-05	5.15E-05	1.02E-04
4272 472363.09, 3856877.25	0.00134	0.00137	2.04E-04	2.17E-04	1.92E-04	1.96E-04	1.85E-04	5.39E-05	5.51E-05	1.09E-04	5.26E-05	5.38E-05	1.06E-04	5.19E-05	5.31E-05	1.05E-04
4273 472863.09, 3856877.25	0.00138	0.00141	2.10E-04	2.23E-04	1.98E-04	2.02E-04	1.91E-04	5.55E-05	5.67E-05	1.12E-04	5.42E-05	5.54E-05	1.10E-04	5.35E-05	5.46E-05	1.08E-04
4274 473363.09, 3856877.25	0.00146	0.00149	2.22E-04	2.36E-04	2.09E-04	2.14E-04	2.02E-04	5.88E-05	6.00E-05	1.19E-04	5.73E-05	5.85E-05	1.16E-04	5.66E-05	5.77E-05	1.14E-04
4275 473863.09, 3856877.25	0.00151	0.00154	2.29E-04	2.44E-04	2.16E-04	2.21E-04	2.09E-04	6.08E-05	6.20E-05	1.23E-04	5.93E-05	6.05E-05	1.20E-04	5.85E-05	5.97E-05	1.18E-04
4276 474363.09, 3856877.25	0.00151	0.00155	2.29E-04	2.45E-04	2.16E-04	2.21E-04	2.09E-04	6.08E-05	6.24E-05	1.23E-04	5.93E-05	6.09E-05	1.20E-04	5.85E-05	6.01E-05	1.19E-04
4277 474863.09, 3856877.25	0.00147	0.00152	2.23E-04	2.41E-04	2.10E-04	2.16E-04	2.03E-04	5.92E-05	6.12E-05	1.20E-04	5.77E-05	5.97E-05	1.17E-04	5.70E-05	5.89E-05	1.16E-04
4278 475363.09, 3856877.25	0.0014	0.00145	2.13E-04	2.30E-04	2.00E-04	2.05E-04	1.94E-04	5.63E-05	5.84E-05	1.15E-04	5.50E-05	5.69E-05	1.12E-04	5.42E-05	5.62E-05	1.10E-04
4279 475863.09, 3856877.25	0.00141	0.00145	2.14E-04	2.30E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.84E-05	1.15E-04	5.54E-05	5.69E-05	1.12E-04	5.46E-05	5.62E-05	1.11E-04
4280 476363.09, 3856877.25	0.00136	0.00139	2.07E-04	2.20E-04	1.95E-04	1.99E-04	1.88E-04	5.47E-05	5.59E-05	1.11E-04	5.34E-05	5.46E-05	1.08E-04	5.27E-05	5.39E-05	1.07E-04
4281 476863.09, 3856877.25	0.00137	0.00139	2.08E-04	2.20E-04	1.96E-04	2.01E-04	1.89E-04	5.51E-05	5.59E-05	1.11E-04	5.38E-05	5.46E-05	1.08E-04	5.31E-05	5.39E-05	1.07E-04
4282 477363.09, 3856877.25	0.00136	0.00137	2.07E-04	2.17E-04	1.95E-04	1.99E-04	1.88E-04	5.47E-05	5.51E-05	1.10E-04	5.34E-05	5.38E-05	1.07E-04	5.27E-05	5.31E-05	1.06E-04
4283 477863.09, 3856877.25	0.00129	0.00127	1.96E-04	2.01E-04	1.85E-04	1.89E-04	1.78E-04	5.19E-05	5.11E-05	1.03E-04	5.07E-05	4.99E-05	1.01E-04	5.00E-05	4.92E-05	9.92E-05
4284 478363.09, 3856877.25	0.0013	0.00126	1.98E-04	1.99E-04	1.86E-04	1.91E-04	1.80E-04	5.23E-05	5.07E-05	1.03E-04	5.11E-05	4.95E-05	1.01E-04	5.04E-05	4.88E-05	9.92E-05
4285 478863.09, 3856877.25	0.00142	0.00138	2.16E-04	2.18E-04	2.03E-04	2.08E-04	1.96E-04	5.71E-05	5.55E-05	1.13E-04	5.58E-05	5.42E-05	1.10E-04	5.50E-05	5.35E-05	1.08E-04
4286 479363.09, 3856877.25	0.00157	0.00154	2.39E-04	2.44E-04	2.25E-04	2.30E-04	2.17E-04	6.32E-05	6.20E-05	1.25E-04	6.17E-05	6.05E-05	1.22E-04	6.08E-05	5.97E-05	1.21E-04

4287	479863.09, 3856877.25	0.002	0.00208	3.04E-04	3.29E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.37E-05	1.64E-04	7.85E-05	8.17E-05	1.60E-04	7.75E-05	8.06E-05	1.58E-04
4288	480363.09, 3856877.25	0.00239	0.00248	3.63E-04	3.93E-04	3.42E-04	3.50E-04	3.31E-04	9.62E-05	9.98E-05	1.96E-04	9.39E-05	9.74E-05	1.91E-04	9.26E-05	9.61E-05	1.89E-04
4289	480863.09, 3856877.25	0.00289	0.00283	4.39E-04	4.48E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.14E-04	2.30E-04	1.13E-04	1.11E-04	2.25E-04	1.12E-04	1.10E-04	2.22E-04
4290	481363.09, 3856877.25	0.00335	0.00306	5.09E-04	4.84E-04	4.80E-04	4.91E-04	4.63E-04	1.35E-04	1.23E-04	2.58E-04	1.32E-04	1.20E-04	2.52E-04	1.30E-04	1.19E-04	2.48E-04
4291	481863.09, 3856877.25	0.00373	0.00325	5.67E-04	5.15E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.31E-04	2.81E-04	1.46E-04	1.28E-04	2.74E-04	1.45E-04	1.26E-04	2.70E-04
4292	482363.09, 3856877.25	0.00439	0.00344	6.67E-04	5.45E-04	6.28E-04	6.44E-04	6.07E-04	1.77E-04	1.38E-04	3.15E-04	1.72E-04	1.35E-04	3.07E-04	1.70E-04	1.33E-04	3.03E-04
4293	482863.09, 3856877.25	0.00497	0.00368	7.55E-04	5.83E-04	7.12E-04	7.29E-04	6.87E-04	2.00E-04	1.48E-04	3.48E-04	1.95E-04	1.45E-04	3.40E-04	1.93E-04	1.43E-04	3.35E-04
4294	483363.09, 3856877.25	0.00575	0.00399	8.74E-04	6.32E-04	8.23E-04	8.43E-04	7.95E-04	2.31E-04	1.61E-04	3.92E-04	2.26E-04	1.57E-04	3.82E-04	2.23E-04	1.55E-04	3.77E-04
4295	483863.09, 3856877.25	0.007	0.0044	1.06E-03	6.97E-04	1.00E-03	1.03E-03	9.68E-04	2.82E-04	1.77E-04	4.59E-04	2.75E-04	1.73E-04	4.48E-04	2.71E-04	1.70E-04	4.42E-04
4296	484363.09, 3856877.25	0.00955	0.005	1.45E-03	7.92E-04	1.37E-03	1.40E-03	1.32E-03	3.84E-04	2.01E-04	5.86E-04	3.75E-04	1.96E-04	5.71E-04	3.70E-04	1.94E-04	5.64E-04
4297	484863.09, 3856877.25	0.0154	0.00595	2.34E-03	9.42E-04	2.20E-03	2.26E-03	2.13E-03	6.20E-04	2.39E-04	8.59E-04	6.05E-04	2.34E-04	8.38E-04	5.97E-04	2.31E-04	8.27E-04
4298	485363.09, 3856877.25	0.05759	0.00759	8.75E-03	1.20E-03	8.24E-03	8.44E-03	7.97E-03	2.32E-03	3.05E-04	2.62E-03	2.26E-03	2.98E-04	2.56E-03	2.23E-03	2.94E-04	2.53E-03
4299	485863.09, 3856877.25	0.07509	0.01109	1.14E-02	1.76E-03	1.07E-02	1.10E-02	1.04E-02	3.02E-03	4.46E-04	3.47E-03	2.95E-03	4.36E-04	3.38E-03	2.91E-03	4.30E-04	3.34E-03
4300	486363.09, 3856877.25	0.02467	0.02733	3.75E-03	4.33E-03	3.53E-03	3.62E-03	3.41E-03	9.93E-04	1.10E-03	2.09E-03	9.69E-04	1.07E-03	2.04E-03	9.56E-04	1.06E-03	2.01E-03
4301	486863.09, 3856877.25	0.01781	0.12812	2.71E-03	2.03E-02	2.55E-03	2.61E-03	2.46E-03	7.17E-04	5.16E-03	5.87E-03	6.99E-04	5.03E-03	5.73E-03	6.90E-04	4.96E-03	5.65E-03
4302	487363.09, 3856877.25	0.0148	0.03616	2.25E-03	5.73E-03	2.12E-03	2.17E-03	2.05E-03	5.96E-04	1.46E-03	2.05E-03	5.81E-04	1.42E-03	2.00E-03	5.73E-04	1.40E-03	1.97E-03
4303	487863.09, 3856877.25	0.01287	0.02205	1.96E-03	3.49E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	8.87E-04	1.41E-03	5.05E-04	8.66E-04	1.37E-03	4.99E-04	8.54E-04	1.35E-03
4304	488363.09, 3856877.25	0.01159	0.01636	1.76E-03	2.59E-03	1.66E-03	1.70E-03	1.60E-03	4.66E-04	6.58E-04	1.12E-03	4.55E-04	6.42E-04	1.10E-03	4.49E-04	6.34E-04	1.08E-03
4305	488863.09, 3856877.25	0.01046	0.01332	1.59E-03	2.11E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	5.36E-04	9.57E-04	4.11E-04	5.23E-04	9.34E-04	4.05E-04	5.16E-04	9.21E-04
4306	489363.09, 3856877.25	0.00958	0.01142	1.46E-03	1.81E-03	1.37E-03	1.40E-03	1.32E-03	3.86E-04	4.60E-04	8.45E-04	3.76E-04	4.48E-04	8.25E-04	3.71E-04	4.43E-04	8.14E-04
4307	489863.09, 3856877.25	0.00877	0.01006	1.33E-03	1.59E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	4.05E-04	7.58E-04	3.44E-04	3.95E-04	7.39E-04	3.40E-04	3.90E-04	7.30E-04
4308	490363.09, 3856877.25	0.00799	0.009	1.21E-03	1.42E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.62E-04	6.84E-04	3.14E-04	3.53E-04	6.67E-04	3.10E-04	3.49E-04	6.58E-04
4309	490863.09, 3856877.25	0.00735	0.00814	1.12E-03	1.29E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	3.28E-04	6.23E-04	2.89E-04	3.20E-04	6.08E-04	2.85E-04	3.15E-04	6.00E-04
4310	491363.09, 3856877.25	0.0068	0.00743	1.03E-03	1.18E-03	9.73E-04	9.97E-04	9.40E-04	2.74E-04	2.99E-04	5.73E-04	2.67E-04	2.92E-04	5.59E-04	2.63E-04	2.88E-04	5.51E-04
4311	491863.09, 3856877.25	0.00628	0.00683	9.54E-04	1.08E-03	8.99E-04	9.21E-04	8.69E-04	2.53E-04	2.75E-04	5.28E-04	2.47E-04	2.68E-04	5.15E-04	2.43E-04	2.65E-04	5.08E-04
4312	492363.09, 3856877.25	0.00533	0.0059	8.10E-04	9.34E-04	7.63E-04	7.82E-04	7.37E-04	2.14E-04	2.37E-04	4.52E-04	2.09E-04	2.32E-04	4.41E-04	2.07E-04	2.29E-04	4.35E-04
4313	492863.09, 3856877.25	0.00467	0.00511	7.10E-04	8.09E-04	6.69E-04	6.85E-04	6.46E-04	1.88E-04	2.06E-04	3.94E-04	1.83E-04	2.01E-04	3.84E-04	1.81E-04	1.98E-04	3.79E-04
4314	493363.09, 3856877.25	0.00406	0.00432	6.17E-04	6.84E-04	5.81E-04	5.95E-04	5.62E-04	1.63E-04	1.74E-04	3.37E-04	1.59E-04	1.70E-04	3.29E-04	1.57E-04	1.67E-04	3.25E-04
4315	493863.09, 3856877.25	0.00348	0.00359	5.29E-04	5.68E-04	4.98E-04	5.10E-04	4.81E-04	1.40E-04	1.44E-04	2.85E-04	1.37E-04	1.41E-04	2.78E-04	1.35E-04	1.39E-04	2.74E-04
4316	494363.09, 3856877.25	0.00307	0.00309	4.66E-04	4.89E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.24E-04	2.48E-04	1.21E-04	1.21E-04	2.42E-04	1.19E-04	1.20E-04	2.39E-04
4317	494863.09, 3856877.25	0.00287	0.00286	4.36E-04	4.53E-04	4.11E-04	4.21E-04	3.97E-04	1.15E-04	1.15E-04	2.31E-04	1.13E-04	1.12E-04	2.25E-04	1.11E-04	1.11E-04	2.22E-04
4318	495363.09, 3856877.25	0.00275	0.00273	4.18E-04	4.32E-04	3.94E-04	4.03E-04	3.80E-04	1.11E-04	1.10E-04	2.21E-04	1.08E-04	1.07E-04	2.15E-04	1.07E-04	1.06E-04	2.12E-04
4319	495863.09, 3856877.25	0.00271	0.0027	4.12E-04	4.27E-04	3.88E-04	3.97E-04	3.75E-04	1.09E-04	1.09E-04	2.18E-04	1.06E-04	1.06E-04	2.12E-04	1.05E-04	1.05E-04	2.10E-04
4320	496363.09, 3856877.25	0.00269	0.00268	4.09E-04	4.24E-04	3.85E-04	3.94E-04	3.72E-04	1.08E-04	1.08E-04	2.16E-04	1.06E-04	1.05E-04	2.11E-04	1.04E-04	1.04E-04	2.08E-04
4321	496863.09, 3856877.25	0.00272	0.00271	4.13E-04	4.29E-04	3.89E-04	3.99E-04	3.76E-04	1.09E-04	1.09E-04	2.19E-04	1.07E-04	1.06E-04	2.13E-04	1.05E-04	1.05E-04	2.10E-04
4322	497363.09, 3856877.25	0.00278	0.00278	4.22E-04	4.40E-04	3.98E-04	4.08E-04	3.84E-04	1.12E-04	1.12E-04	2.24E-04	1.09E-04	1.09E-04	2.18E-04	1.08E-04	1.08E-04	2.15E-04
4323	497863.09, 3856877.25	0.00291	0.00293	4.42E-04	4.64E-04	4.17E-04	4.27E-04	4.02E-04	1.17E-04	1.18E-04	2.35E-04	1.14E-04	1.15E-04	2.29E-04	1.13E-04	1.14E-04	2.26E-04
4324	498363.09, 3856877.25	0.00306	0.00311	4.65E-04	4.92E-04	4.38E-04	4.49E-04	4.23E-04	1.23E-04	1.25E-04	2.48E-04	1.20E-04	1.22E-04	2.42E-04	1.19E-04	1.21E-04	2.39E-04
4325	471363.09, 3857377.25	0.00125	0.00128	1.90E-04	2.03E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	5.15E-05	1.02E-04	4.91E-05	5.03E-05	9.94E-05	4.84E-05	4.96E-05	9.80E-05
4326	471863.09, 3857377.25	0.00127	0.0013	1.93E-04	2.06E-04	1.82E-04	1.86E-04	1.76E-04	5.11E-05	5.23E-05	1.03E-04	4.99E-05	5.11E-05	1.01E-04	4.92E-05	5.04E-05	9.96E-05
4327	472363.09, 3857377.25	0.0013	0.00133	1.98E-04	2.11E-04	1.86E-04	1.91E-04	1.80E-04	5.23E-05	5.35E-05	1.06E-04	5.11E-05	5.22E-05	1.03E-04	5.04E-05	5.15E-05	1.02E-04
4328	472863.09, 3857377.25	0.00134	0.00137	2.04E-04	2.17E-04	1.92E-04	1.96E-04	1.85E-04	5.39E-05	5.51E-05	1.09E-04	5.26E-05	5.38E-05	1.06E-04	5.19E-05	5.31E-05	1.05E-04
4329	473363.09, 3857377.25	0.00139	0.00142	2.11E-04	2.25E-04	1.99E-04	2.04E-04	1.92E-04	5.59E-05	5.71E-05	1.13E-04	5.46E-05	5.58E-05	1.10E-04	5.39E-05	5.50E-05	1.09E-04
4330	473863.09, 3857377.25	0.00146	0.00148	2.22E-04	2.34E-04	2.09E-04	2.14E-04	2.02E-04	5.88E-05	5.96E-05	1.18E-04	5.73E-05	5.81E-05	1.15E-04	5.66E-05	5.73E-05	1.14E-04
4331	474363.09, 3857377.25	0.00142	0.00145	2.16E-04	2.30E-04	2.03E-04	2.08E-04	1.96E-04	5.71E-05	5.84E-05	1.15E-04	5.58E-05	5.69E-05	1.13E-04	5.50E-05	5.62E-05	1.11E-04
4332	474863.09, 3857377.25	0.00129	0.00134	1.96E-04	2.12E-04	1.85E-04	1.89E-04	1.78E-04	5.19E-05	5.39E-05	1.06E-04	5.07E-05	5.26E-05	1.03E-04	5.00E-05	5.19E-05	1.02E-04
4333	475363.09, 3857377.25	0.00117	0.00119	1.78E-04	1.88E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.79E-05	9.50E-05	4.59E-05	4.67E-05	9.27E-05	4.53E-05	4.61E-05	9.14E-05
4334	475863.09, 3857377.25	0.00116	0.00118	1.76E-04	1.87E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.75E-05	9.42E-05	4.56E-05	4.63E-05	9.19E-05	4.49E-05	4.57E-05	9.07E-05
4335	476363.09, 3857377.25	0.00127	0.00129	1.93E-04	2.04E-04	1.82E-04	1.86E-04	1.76E-04	5.11E-05	5.19E-05	1.03E-04	4.99E-05	5.07E-05	1.01E-04	4.92E-05	5.00E-05	9.92E-05
4336	476863.09, 3857377.25	0.00132	0.00134	2.01E-04	2.12E-04	1.89E-04	1.94E-04	1.83E-04	5.31E-05	5.39E-05	1.07E-04	5.18E-05	5.26E-05	1.04E-04	5.11E-05	5.19E-05	1.03E-04
4337	477363.09, 3857377.25	0.00131	0.00132	1.99E-04	2.09E-04	1.88E-04	1.92E-04	1.81E-04	5.27E-05	5.31E-05	1.06E-04	5.14E-05	5.18E-05	1.03E-04	5.08E-05	5.11E-05	1.02E-04
4338	477863.09, 3857377.25	0.00127	0.00126	1.93E-04	1.99E-04	1.82E-04	1.86E-04	1.76E-04	5.11E-05	5.07E-05	1.02E-04	4.99E-05	4.95E-05	9.94E-05	4.92E-05	4.88E-05	9.80E-05
4339	478363.09, 3857377.25	0.00124	0.00121	1.88E-04	1.92E-04	1.78E-04	1.82E-04	1.72E-04	4.99E-05	4.87E-05	9.86E-05	4.87E-05	4.75E-05	9.62E-05	4.80E-05	4.69E-05	9.49E-05
4340	478863.09, 3857377.25	0.00122	0.00118	1.85E-04	1.87E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.75E-05	9.66E-05	4.79E-05	4.63E-05	9.42E-05	4.73E-05	4.57E-05	9.30E-05
4341	479363.09, 3857377.25	0.00141	0.00138	2.14E-04	2.18E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.55E-05	1.12E-04	5.54E-05	5.42E-05	1.10E-04	5.46E-05	5.35E-05	1.08E-04
4342	479863.09, 3857377.25	0.0018	0.00187	2.74E-04	2.96E-04	2.58E-04	2.64E-04	2.49E-04	7.24E-05	7.53E-05	1.48E-04	7.07E-05	7.34E-05	1.44E-04	6.97E-05	7.25E-05	1.42E-04
4343	480363.09, 3857377.25	0.00177	0.0018	2.69E-04	2.85E-04	2.53E-04	2.60E-04	2.45E-04	7.12E-05	7.24E-05	1.44E-04	6.95E-05	7.07E-05	1.40E-04	6.86E-05	6.97E-05	1.38E-04
4344	480863.09, 3857377.25	0.0027	0.00265	4.10E-04	4.20E-04	3.87E-04	3.96E-04	3.73E-04	1.09E-04	1.07E-04	2.15E-04	1.06E-04	1.04E-04	2.10E-04	1.05E-04	1.03E-04	2.07E-04
4345	481363.09, 3857377.25	0.00282	0.00277	4.29E-04	4.39E-04	4.04E-04	4.13E-04	3.90E-04	1.13E-04	1.11E-04	2.25E-04	1.11E-04	1.09E-04	2.20E-04	1.09E-04	1.07E-04	2.17E-04
4346	481863.09, 3857377.25	0.00323	0.003	4.91E-04	4.75E-04	4.62E-04	4.74E-04	4.47E-04	1.30E-04	1.21E-04	2.51E-04	1.27E-04	1.18E-04	2.45E-04	1.25E-04	1.16E-04	2.41E-04
4347	482363.09, 3857377.25	0.00387	0.0032	5.88E-04	5.07E-04	5.54E-04	5.67E-04	5.35E-04	1.56E-04	1.29E-04	2.85E-04	1.52E-04	1.26E-04	2.78E-04	1.50E-04	1.24E-04	2.74E-04
4348	482863.09, 3857377.25	0.0043	0.00336	6.53E-04	5.32E-04	6.16E-04	6.30E-04	5.95E-04	1.73E-04	1.35E-04	3.08E-04	1.69E-04	1.32E-04	3.01E-04	1.67E-04	1.30E-04	2.97E-04
4349	483363.09, 3857377.25	0.0048	0.0036	7.29E-04	5.70E-04	6.87E-04	7.04E-04	6.64E-04	1.93E-04	1.45E-04	3.38E-04	1.88E-04	1.41E-04	3.30E-04	1.86E-04	1.39E-04	3.25E-04
4350	483863.09, 3857377.25	0.00556	0.00394	8.45E-04	6.24E-04	7.96E-04	8.15E-04	7.69E-04	2.24E-04	1.59E-04	3.82E-04	2.18E-04	1.55E-04	3.73E-04	2.15E-04	1.53E-04	3.68E-04
4351	484363.09, 3857377.25	0.00673	0.00437	1.02E-03	6.92E-04	9.63E-04	9.87E-04	9.31E-04	2.71E-04	1.76E-04	4.47E-04	2.64E-04	1.72E-04	4.36E-04	2.61E-04	1.69E-04	4.30E-04
4352	484863.09, 3857377.25	0.00889	0.00501	1.35E-03	7.93E-04	1.27E-03	1.30E-03	1.23E-03	3.58E-04	2.02E-04	5.59E-04	3.49E-04	1.97E-04	5.46E-04	3.44E-04	1.94E-04	5.39E-04

4353 485363.09, 3857377.25	0.01322	0.00587	2.01E-03	9.29E-04	1.89E-03	1.94E-03	1.83E-03	5.32E-04	2.36E-04	7.68E-04	5.19E-04	2.31E-04	7.50E-04	5.12E-04	2.27E-04	7.40E-04
4354 485863.09, 3857377.25	0.03136	0.00734	4.77E-03	1.16E-03	4.49E-03	4.60E-03	4.34E-03	1.26E-03	2.95E-04	1.56E-03	1.23E-03	2.88E-04	1.52E-03	1.22E-03	2.84E-04	1.50E-03
4355 486363.09, 3857377.25	0.11371	0.0109	1.73E-02	1.73E-03	1.63E-02	1.67E-02	1.57E-02	4.58E-03	4.39E-04	5.01E-03	4.47E-03	4.28E-04	4.89E-03	4.41E-03	4.22E-04	4.83E-03
4356 486863.09, 3857377.25	0.03128	0.02507	4.75E-03	3.97E-03	4.48E-03	4.59E-03	4.33E-03	1.26E-03	1.01E-03	2.27E-03	1.23E-03	9.84E-04	2.21E-03	1.21E-03	9.71E-04	2.18E-03
4357 487363.09, 3857377.25	0.02224	0.15223	3.38E-03	2.41E-02	3.18E-03	3.26E-03	3.08E-03	8.95E-04	6.13E-03	7.02E-03	8.73E-04	5.98E-03	6.85E-03	8.62E-04	5.90E-03	6.76E-03
4358 487863.09, 3857377.25	0.01809	0.03742	2.75E-03	5.92E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	1.51E-03	2.23E-03	7.10E-04	1.47E-03	2.18E-03	7.01E-04	1.45E-03	2.15E-03
4359 488363.09, 3857377.25	0.01525	0.02245	2.32E-03	3.55E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	9.03E-04	1.52E-03	5.99E-04	8.82E-04	1.48E-03	5.91E-04	8.70E-04	1.46E-03
4360 488863.09, 3857377.25	0.01331	0.01659	2.02E-03	2.63E-03	1.91E-03	1.95E-03	1.84E-03	5.36E-04	6.68E-04	1.20E-03	5.23E-04	6.51E-04	1.17E-03	5.16E-04	6.43E-04	1.16E-03
4361 489363.09, 3857377.25	0.01179	0.01346	1.79E-03	2.13E-03	1.69E-03	1.73E-03	1.63E-03	4.74E-04	5.42E-04	1.02E-03	4.63E-04	5.29E-04	9.92E-04	4.57E-04	5.22E-04	9.78E-04
4362 489863.09, 3857377.25	0.01047	0.01145	1.59E-03	1.81E-03	1.50E-03	1.54E-03	1.45E-03	4.21E-04	4.61E-04	8.82E-04	4.11E-04	4.50E-04	8.61E-04	4.06E-04	4.44E-04	8.49E-04
4363 490363.09, 3857377.25	0.00942	0.01006	1.43E-03	1.59E-03	1.35E-03	1.38E-03	1.30E-03	3.79E-04	4.05E-04	7.84E-04	3.70E-04	3.95E-04	7.65E-04	3.65E-04	3.90E-04	7.55E-04
4364 490863.09, 3857377.25	0.00856	0.00899	1.30E-03	1.42E-03	1.23E-03	1.26E-03	1.18E-03	3.44E-04	3.62E-04	7.06E-04	3.36E-04	3.53E-04	6.89E-04	3.32E-04	3.48E-04	6.80E-04
4365 491363.09, 3857377.25	0.00785	0.00813	1.19E-03	1.29E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	3.27E-04	6.43E-04	3.08E-04	3.19E-04	6.28E-04	3.04E-04	3.15E-04	6.19E-04
4366 491863.09, 3857377.25	0.00697	0.00726	1.06E-03	1.15E-03	9.98E-04	1.02E-03	9.64E-04	2.80E-04	2.92E-04	5.73E-04	2.74E-04	2.85E-04	5.59E-04	2.70E-04	2.81E-04	5.51E-04
4367 492363.09, 3857377.25	0.00554	0.0059	8.42E-04	9.34E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.37E-04	4.60E-04	2.18E-04	2.32E-04	4.49E-04	2.15E-04	2.29E-04	4.43E-04
4368 492863.09, 3857377.25	0.00458	0.00477	6.96E-04	7.55E-04	6.56E-04	6.72E-04	6.33E-04	1.84E-04	1.92E-04	3.76E-04	1.80E-04	1.87E-04	3.67E-04	1.77E-04	1.85E-04	3.62E-04
4369 493363.09, 3857377.25	0.00391	0.00395	5.94E-04	6.25E-04	5.60E-04	5.73E-04	5.41E-04	1.57E-04	1.59E-04	3.16E-04	1.54E-04	1.55E-04	3.09E-04	1.52E-04	1.53E-04	3.05E-04
4370 493863.09, 3857377.25	0.00362	0.00361	5.50E-04	5.72E-04	5.18E-04	5.31E-04	5.01E-04	1.46E-04	1.45E-04	2.91E-04	1.42E-04	1.42E-04	2.84E-04	1.40E-04	1.40E-04	2.80E-04
4371 494363.09, 3857377.25	0.00334	0.0033	5.08E-04	5.22E-04	4.78E-04	4.90E-04	4.62E-04	1.34E-04	1.33E-04	2.67E-04	1.31E-04	1.30E-04	2.61E-04	1.29E-04	1.28E-04	2.57E-04
4372 494863.09, 3857377.25	0.00319	0.00315	4.85E-04	4.99E-04	4.57E-04	4.68E-04	4.41E-04	1.28E-04	1.27E-04	2.55E-04	1.25E-04	1.24E-04	2.49E-04	1.24E-04	1.22E-04	2.46E-04
4373 495363.09, 3857377.25	0.00307	0.00302	4.66E-04	4.78E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.22E-04	2.45E-04	1.21E-04	1.19E-04	2.39E-04	1.19E-04	1.17E-04	2.36E-04
4374 495863.09, 3857377.25	0.00302	0.00298	4.59E-04	4.72E-04	4.32E-04	4.43E-04	4.18E-04	1.22E-04	1.20E-04	2.41E-04	1.19E-04	1.17E-04	2.36E-04	1.17E-04	1.15E-04	2.32E-04
4375 496363.09, 3857377.25	0.00299	0.00296	4.54E-04	4.69E-04	4.28E-04	4.38E-04	4.14E-04	1.20E-04	1.19E-04	2.39E-04	1.17E-04	1.16E-04	2.34E-04	1.16E-04	1.15E-04	2.31E-04
4376 496863.09, 3857377.25	0.00298	0.00296	4.53E-04	4.69E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.19E-04	2.39E-04	1.17E-04	1.16E-04	2.33E-04	1.15E-04	1.15E-04	2.30E-04
4377 497363.09, 3857377.25	0.00302	0.00301	4.59E-04	4.77E-04	4.32E-04	4.43E-04	4.18E-04	1.22E-04	1.21E-04	2.43E-04	1.19E-04	1.18E-04	2.37E-04	1.17E-04	1.17E-04	2.34E-04
4378 497863.09, 3857377.25	0.00311	0.00312	4.73E-04	4.94E-04	4.45E-04	4.56E-04	4.30E-04	1.25E-04	1.26E-04	2.51E-04	1.22E-04	1.23E-04	2.45E-04	1.21E-04	1.21E-04	2.41E-04
4379 498363.09, 3857377.25	0.00338	0.00343	5.14E-04	5.43E-04	4.84E-04	4.96E-04	4.67E-04	1.36E-04	1.38E-04	2.74E-04	1.33E-04	1.35E-04	2.67E-04	1.31E-04	1.33E-04	2.64E-04
4380 471363.09, 3857877.25	0.00121	0.00123	1.84E-04	1.95E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	4.95E-05	9.82E-05	4.75E-05	4.83E-05	9.58E-05	4.69E-05	4.77E-05	9.45E-05
4381 471863.09, 3857877.25	0.00123	0.00125	1.87E-04	1.98E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	5.03E-05	9.98E-05	4.83E-05	4.91E-05	9.74E-05	4.77E-05	4.84E-05	9.61E-05
4382 472363.09, 3857877.25	0.00126	0.00128	1.91E-04	2.03E-04	1.80E-04	1.85E-04	1.74E-04	5.07E-05	5.15E-05	1.02E-04	4.95E-05	5.03E-05	9.97E-05	4.88E-05	4.96E-05	9.84E-05
4383 472863.09, 3857877.25	0.00131	0.00133	1.99E-04	2.11E-04	1.88E-04	1.92E-04	1.81E-04	5.27E-05	5.35E-05	1.06E-04	5.14E-05	5.22E-05	1.04E-04	5.08E-05	5.15E-05	1.02E-04
4384 473363.09, 3857877.25	0.00134	0.00137	2.04E-04	2.17E-04	1.92E-04	1.96E-04	1.85E-04	5.39E-05	5.51E-05	1.09E-04	5.26E-05	5.38E-05	1.06E-04	5.19E-05	5.31E-05	1.05E-04
4385 473863.09, 3857877.25	0.0014	0.00142	2.13E-04	2.25E-04	2.00E-04	2.05E-04	1.94E-04	5.63E-05	5.71E-05	1.13E-04	5.50E-05	5.58E-05	1.11E-04	5.42E-05	5.50E-05	1.09E-04
4386 474363.09, 3857877.25	0.00134	0.00138	2.04E-04	2.18E-04	1.92E-04	1.96E-04	1.85E-04	5.39E-05	5.55E-05	1.09E-04	5.26E-05	5.42E-05	1.07E-04	5.19E-05	5.35E-05	1.05E-04
4387 474863.09, 3857877.25	0.00121	0.00125	1.84E-04	1.98E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	5.03E-05	9.90E-05	4.75E-05	4.91E-05	9.66E-05	4.69E-05	4.84E-05	9.53E-05
4388 475363.09, 3857877.25	0.00103	0.00104	1.57E-04	1.65E-04	1.47E-04	1.51E-04	1.42E-04	4.15E-05	4.19E-05	8.33E-05	4.04E-05	4.08E-05	8.13E-05	3.99E-05	4.03E-05	8.02E-05
4389 475863.09, 3857877.25	0.00087	0.00086	1.32E-04	1.36E-04	1.25E-04	1.28E-04	1.20E-04	3.50E-05	3.46E-05	6.96E-05	3.42E-05	3.38E-05	6.79E-05	3.37E-05	3.33E-05	6.70E-05
4390 476363.09, 3857877.25	0.0011	0.0011	1.67E-04	1.74E-04	1.57E-04	1.61E-04	1.52E-04	4.43E-05	4.43E-05	8.85E-05	4.32E-05	4.32E-05	8.64E-05	4.26E-05	4.26E-05	8.52E-05
4391 476863.09, 3857877.25	0.00118	0.0012	1.79E-04	1.90E-04	1.69E-04	1.73E-04	1.63E-04	4.75E-05	4.83E-05	9.58E-05	4.63E-05	4.71E-05	9.35E-05	4.57E-05	4.65E-05	9.22E-05
4392 477363.09, 3857877.25	0.00121	0.00122	1.84E-04	1.93E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	4.91E-05	9.78E-05	4.75E-05	4.79E-05	9.54E-05	4.69E-05	4.73E-05	9.42E-05
4393 477863.09, 3857877.25	0.00123	0.00124	1.87E-04	1.96E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.99E-05	9.94E-05	4.83E-05	4.87E-05	9.70E-05	4.77E-05	4.80E-05	9.57E-05
4394 478363.09, 3857877.25	0.00113	0.0011	1.72E-04	1.74E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.43E-05	8.97E-05	4.44E-05	4.32E-05	8.76E-05	4.38E-05	4.26E-05	8.64E-05
4395 478863.09, 3857877.25	0.00111	0.00108	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.35E-05	8.81E-05	4.36E-05	4.24E-05	8.60E-05	4.30E-05	4.18E-05	8.49E-05
4396 479363.09, 3857877.25	0.00165	0.00173	2.51E-04	2.74E-04	2.36E-04	2.42E-04	2.28E-04	6.64E-05	6.96E-05	1.36E-04	6.48E-05	6.79E-05	1.33E-04	6.39E-05	6.70E-05	1.31E-04
4397 479863.09, 3857877.25	0.00209	0.00216	3.18E-04	3.42E-04	2.99E-04	3.06E-04	2.89E-04	8.41E-05	8.69E-05	1.71E-04	8.21E-05	8.48E-05	1.67E-04	8.10E-05	8.37E-05	1.65E-04
4398 480363.09, 3857877.25	0.00238	0.00235	3.62E-04	3.72E-04	3.41E-04	3.49E-04	3.29E-04	9.58E-05	9.46E-05	1.90E-04	9.35E-05	9.23E-05	1.86E-04	9.22E-05	9.11E-05	1.83E-04
4399 480863.09, 3857877.25	0.00252	0.00247	3.83E-04	3.91E-04	3.61E-04	3.70E-04	3.49E-04	1.01E-04	9.94E-05	2.01E-04	9.90E-05	9.70E-05	1.96E-04	9.76E-05	9.57E-05	1.93E-04
4400 481363.09, 3857877.25	0.00265	0.00259	4.03E-04	4.10E-04	3.79E-04	3.89E-04	3.67E-04	1.07E-04	1.04E-04	2.11E-04	1.04E-04	1.02E-04	2.06E-04	1.03E-04	1.00E-04	2.03E-04
4401 481863.09, 3857877.25	0.00289	0.00276	4.39E-04	4.37E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.11E-04	2.27E-04	1.13E-04	1.08E-04	2.22E-04	1.12E-04	1.07E-04	2.19E-04
4402 482363.09, 3857877.25	0.00336	0.00298	5.11E-04	4.72E-04	4.81E-04	4.93E-04	4.65E-04	1.35E-04	1.20E-04	2.55E-04	1.32E-04	1.17E-04	2.49E-04	1.30E-04	1.15E-04	2.46E-04
4403 482863.09, 3857877.25	0.00378	0.00311	5.74E-04	4.92E-04	5.41E-04	5.54E-04	5.23E-04	1.52E-04	1.25E-04	2.77E-04	1.48E-04	1.22E-04	2.71E-04	1.46E-04	1.21E-04	2.67E-04
4404 483363.09, 3857877.25	0.00413	0.0033	6.28E-04	5.22E-04	5.91E-04	6.06E-04	5.71E-04	1.66E-04	1.33E-04	2.99E-04	1.62E-04	1.30E-04	2.92E-04	1.60E-04	1.28E-04	2.88E-04
4405 483863.09, 3857877.25	0.00463	0.00357	7.04E-04	5.65E-04	6.63E-04	6.79E-04	6.40E-04	1.86E-04	1.44E-04	3.30E-04	1.82E-04	1.40E-04	3.22E-04	1.79E-04	1.38E-04	3.18E-04
4406 484363.09, 3857877.25	0.00528	0.00389	8.02E-04	6.16E-04	7.56E-04	7.74E-04	7.30E-04	2.12E-04	1.57E-04	3.69E-04	2.07E-04	1.53E-04	3.60E-04	2.05E-04	1.51E-04	3.55E-04
4407 484863.09, 3857877.25	0.00642	0.00437	9.76E-04	6.92E-04	9.19E-04	9.41E-04	8.88E-04	2.58E-04	1.76E-04	4.34E-04	2.52E-04	1.72E-04	4.24E-04	2.49E-04	1.69E-04	4.18E-04
4408 485363.09, 3857877.25	0.00819	0.00501	1.24E-03	7.93E-04	1.17E-03	1.20E-03	1.13E-03	3.30E-04	2.02E-04	5.31E-04	3.22E-04	1.97E-04	5.18E-04	3.17E-04	1.94E-04	5.11E-04
4409 485863.09, 3857877.25	0.01146	0.00587	1.74E-03	9.29E-04	1.64E-03	1.68E-03	1.58E-03	4.61E-04	2.36E-04	6.97E-04	4.50E-04	2.31E-04	6.81E-04	4.44E-04	2.27E-04	6.72E-04
4410 486363.09, 3857877.25	0.02102	0.00732	3.19E-03	1.16E-03	3.01E-03	3.08E-03	2.91E-03	8.46E-04	2.95E-04	1.14E-03	8.25E-04	2.87E-04	1.11E-03	8.14E-04	2.84E-04	1.10E-03
4411 486863.09, 3857877.25	0.16994	0.01053	2.58E-02	1.67E-03	2.43E-02	2.49E-02	2.35E-02	6.84E-03	4.24E-04	7.26E-03	6.67E-03	4.14E-04	7.09E-03	6.58E-03	4.08E-04	6.99E-03
4412 487363.09, 3857877.25	0.06942	0.02279	1.05E-02	3.61E-03	9.94E-03	1.02E-02	9.60E-03	2.79E-03	9.17E-04	3.71E-03	2.73E-03	8.95E-04	3.62E-03	2.69E-03	8.83E-04	3.57E-03
4413 487863.09, 3857877.25	0.03377	0.18121	5.13E-03	2.87E-02	4.83E-03	4.95E-03	4.67E-03	1.36E-03	7.29E-03	8.65E-03	1.33E-03	7.12E-03	8.44E-03	1.31E-03	7.02E-03	8.33E-03
4414 488363.09, 3857877.25	0.0239	0.03903	3.63E-03	6.18E-03	3.42E-03	3.50E-03	3.31E-03	9.62E-04	1.57E-03	2.53E-03	9.39E-04	1.53E-03	2.47E-03	9.26E-04	1.51E-03	2.44E-03
4415 488863.09, 3857877.25	0.01886	0.02321	2.87E-03	3.67E-03	2.70E-03	2.77E-03	2.61E-03	7.59E-04	9.34E-04	1.69E-03	7.41E-04	9.11E-04	1.65E-03	7.31E-04	8.99E-04	1.63E-03
4416 489363.09, 3857877.25	0.01545	0.01703	2.35E-03	2.70E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.85E-04	1.31E-03	6.07E-04	6.69E-04	1.28E-03	5.99E-04	6.60E-04	1.26E-03
4417 489863.09, 3857877.25	0.01309	0.01363	1.99E-03	2.16E-03	1.87E-03	1.92E-03	1.81E-03	5.27E-04	5.49E-04	1.08E-03	5.14E-04	5.35E-04	1.05E-03	5.07E-04	5.28E-04	1.04E-03
4418 490363.09, 3857877.25	0.01153	0.01159	1.75E-03	1.84E-03	1.65E-03	1.69E-03	1.59E-03	4.64E-04	4.66E-04	9.30E-04	4.53E-04	4.55E-04	9.08E-04	4.47E-04	4.49E-04	8.96E-04

4419 490863.09, 3857877.25	0.01031	0.01019	1.57E-03	1.61E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	4.10E-04	8.25E-04	4.05E-04	4.00E-04	8.05E-04	3.99E-04	3.95E-04	7.94E-04
4420 491363.09, 3857877.25	0.00887	0.00881	1.35E-03	1.39E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	3.55E-04	7.11E-04	3.48E-04	3.46E-04	6.94E-04	3.44E-04	3.41E-04	6.85E-04
4421 491863.09, 3857877.25	0.00747	0.00752	1.14E-03	1.19E-03	1.07E-03	1.10E-03	1.03E-03	3.01E-04	3.03E-04	6.03E-04	2.93E-04	2.95E-04	5.89E-04	2.89E-04	2.91E-04	5.81E-04
4422 492363.09, 3857877.25	0.00584	0.00593	8.87E-04	9.39E-04	8.36E-04	8.56E-04	8.08E-04	2.35E-04	2.39E-04	4.74E-04	2.29E-04	2.33E-04	4.62E-04	2.26E-04	2.30E-04	4.56E-04
4423 492863.09, 3857877.25	0.00478	0.00476	7.26E-04	7.54E-04	6.84E-04	7.01E-04	6.61E-04	1.92E-04	1.92E-04	3.84E-04	1.88E-04	1.87E-04	3.75E-04	1.85E-04	1.84E-04	3.70E-04
4424 493363.09, 3857877.25	0.0043	0.00426	6.53E-04	6.74E-04	6.16E-04	6.30E-04	5.95E-04	1.73E-04	1.71E-04	3.44E-04	1.69E-04	1.67E-04	3.36E-04	1.67E-04	1.65E-04	3.32E-04
4425 493863.09, 3857877.25	0.00403	0.00398	6.12E-04	6.30E-04	5.77E-04	5.91E-04	5.57E-04	1.62E-04	1.60E-04	3.22E-04	1.58E-04	1.56E-04	3.15E-04	1.56E-04	1.54E-04	3.10E-04
4426 494363.09, 3857877.25	0.00384	0.00379	5.83E-04	6.00E-04	5.50E-04	5.63E-04	5.31E-04	1.55E-04	1.53E-04	3.07E-04	1.51E-04	1.49E-04	3.00E-04	1.49E-04	1.47E-04	2.96E-04
4427 494863.09, 3857877.25	0.00359	0.00352	5.46E-04	5.57E-04	5.14E-04	5.26E-04	4.97E-04	1.44E-04	1.42E-04	2.86E-04	1.41E-04	1.38E-04	2.79E-04	1.39E-04	1.36E-04	2.76E-04
4428 495363.09, 3857877.25	0.00347	0.00341	5.27E-04	5.40E-04	4.97E-04	5.09E-04	4.80E-04	1.40E-04	1.37E-04	2.77E-04	1.36E-04	1.34E-04	2.70E-04	1.34E-04	1.32E-04	2.67E-04
4429 495863.09, 3857877.25	0.00337	0.00331	5.12E-04	5.24E-04	4.82E-04	4.94E-04	4.66E-04	1.36E-04	1.33E-04	2.69E-04	1.32E-04	1.30E-04	2.62E-04	1.31E-04	1.28E-04	2.59E-04
4430 496363.09, 3857877.25	0.00334	0.0033	5.08E-04	5.22E-04	4.78E-04	4.90E-04	4.62E-04	1.34E-04	1.33E-04	2.67E-04	1.31E-04	1.30E-04	2.61E-04	1.29E-04	1.28E-04	2.57E-04
4431 496863.09, 3857877.25	0.00333	0.0033	5.06E-04	5.22E-04	4.77E-04	4.88E-04	4.61E-04	1.34E-04	1.33E-04	2.67E-04	1.31E-04	1.30E-04	2.60E-04	1.29E-04	1.28E-04	2.57E-04
4432 497363.09, 3857877.25	0.00329	0.00328	5.00E-04	5.19E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.32E-04	2.64E-04	1.29E-04	1.29E-04	2.58E-04	1.27E-04	1.27E-04	2.55E-04
4433 497863.09, 3857877.25	0.00346	0.00348	5.26E-04	5.51E-04	4.95E-04	5.07E-04	4.79E-04	1.39E-04	1.40E-04	2.79E-04	1.36E-04	1.37E-04	2.73E-04	1.34E-04	1.35E-04	2.69E-04
4434 498363.09, 3857877.25	0.00362	0.00367	5.50E-04	5.81E-04	5.18E-04	5.31E-04	5.01E-04	1.46E-04	1.48E-04	2.93E-04	1.42E-04	1.44E-04	2.86E-04	1.40E-04	1.42E-04	2.82E-04
4435 471363.09, 3858377.25	0.00119	0.00121	1.81E-04	1.92E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.87E-05	9.66E-05	4.67E-05	4.75E-05	9.42E-05	4.61E-05	4.69E-05	9.30E-05
4436 471863.09, 3858377.25	0.00121	0.00123	1.84E-04	1.95E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	4.95E-05	9.82E-05	4.75E-05	4.83E-05	9.58E-05	4.69E-05	4.77E-05	9.45E-05
4437 472363.09, 3858377.25	0.00123	0.00125	1.87E-04	1.98E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	5.03E-05	9.98E-05	4.83E-05	4.91E-05	9.74E-05	4.77E-05	4.84E-05	9.61E-05
4438 472863.09, 3858377.25	0.00126	0.00128	1.91E-04	2.03E-04	1.80E-04	1.85E-04	1.74E-04	5.07E-05	5.15E-05	1.02E-04	4.95E-05	5.03E-05	9.97E-05	4.88E-05	4.96E-05	9.84E-05
4439 473363.09, 3858377.25	0.00133	0.00134	2.02E-04	2.12E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.39E-05	1.07E-04	5.22E-05	5.26E-05	1.05E-04	5.15E-05	5.19E-05	1.03E-04
4440 473863.09, 3858377.25	0.00133	0.00135	2.02E-04	2.14E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.43E-05	1.08E-04	5.22E-05	5.30E-05	1.05E-04	5.15E-05	5.23E-05	1.04E-04
4441 474363.09, 3858377.25	0.00125	0.00129	1.90E-04	2.04E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	5.19E-05	1.02E-04	4.91E-05	5.07E-05	9.97E-05	4.84E-05	5.00E-05	9.84E-05
4442 474863.09, 3858377.25	0.00117	0.00121	1.78E-04	1.92E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.87E-05	9.58E-05	4.59E-05	4.75E-05	9.35E-05	4.53E-05	4.69E-05	9.22E-05
4443 475363.09, 3858377.25	0.00104	0.00106	1.58E-04	1.68E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.27E-05	8.45E-05	4.08E-05	4.16E-05	8.25E-05	4.03E-05	4.11E-05	8.14E-05
4444 475863.09, 3858377.25	0.00097	0.00098	1.47E-04	1.55E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.94E-05	7.85E-05	3.81E-05	3.85E-05	7.66E-05	3.76E-05	3.80E-05	7.56E-05
4445 476363.09, 3858377.25	0.001	0.00101	1.52E-04	1.60E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	4.06E-05	8.09E-05	3.93E-05	3.97E-05	7.89E-05	3.87E-05	3.91E-05	7.79E-05
4446 476863.09, 3858377.25	0.00104	0.00105	1.58E-04	1.66E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.23E-05	8.41E-05	4.08E-05	4.12E-05	8.21E-05	4.03E-05	4.07E-05	8.10E-05
4447 477363.09, 3858377.25	0.00106	0.00106	1.61E-04	1.68E-04	1.52E-04	1.55E-04	1.47E-04	4.27E-05	4.27E-05	8.53E-05	4.16E-05	4.16E-05	8.33E-05	4.11E-05	4.11E-05	8.21E-05
4448 477863.09, 3858377.25	0.00116	0.00117	1.76E-04	1.85E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.71E-05	9.38E-05	4.56E-05	4.59E-05	9.15E-05	4.49E-05	4.53E-05	9.03E-05
4449 478363.09, 3858377.25	0.00122	0.00123	1.85E-04	1.95E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.95E-05	9.86E-05	4.79E-05	4.83E-05	9.62E-05	4.73E-05	4.77E-05	9.49E-05
4450 478863.09, 3858377.25	0.00116	0.00115	1.76E-04	1.82E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.63E-05	9.30E-05	4.56E-05	4.52E-05	9.07E-05	4.49E-05	4.46E-05	8.95E-05
4451 479363.09, 3858377.25	0.00156	0.00165	2.37E-04	2.61E-04	2.23E-04	2.29E-04	2.16E-04	6.28E-05	6.64E-05	1.29E-04	6.13E-05	6.48E-05	1.26E-04	6.04E-05	6.39E-05	1.24E-04
4452 479863.09, 3858377.25	0.00203	0.00205	3.08E-04	3.25E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	8.25E-05	1.64E-04	7.97E-05	8.05E-05	1.60E-04	7.87E-05	7.94E-05	1.58E-04
4453 480363.09, 3858377.25	0.0023	0.00224	3.49E-04	3.55E-04	3.29E-04	3.37E-04	3.18E-04	9.26E-05	9.01E-05	1.83E-04	9.03E-05	8.80E-05	1.78E-04	8.91E-05	8.68E-05	1.76E-04
4454 480863.09, 3858377.25	0.00242	0.00236	3.68E-04	3.74E-04	3.46E-04	3.55E-04	3.35E-04	9.74E-05	9.50E-05	1.92E-04	9.50E-05	9.27E-05	1.88E-04	9.38E-05	9.14E-05	1.85E-04
4455 481363.09, 3858377.25	0.00258	0.00249	3.92E-04	3.94E-04	3.69E-04	3.78E-04	3.57E-04	1.04E-04	1.00E-04	2.04E-04	1.01E-04	9.78E-05	1.99E-04	1.00E-04	9.65E-05	1.96E-04
4456 481863.09, 3858377.25	0.00269	0.0026	4.09E-04	4.12E-04	3.85E-04	3.94E-04	3.72E-04	1.08E-04	1.05E-04	2.13E-04	1.06E-04	1.02E-04	2.08E-04	1.04E-04	1.01E-04	2.05E-04
4457 482363.09, 3858377.25	0.00292	0.00276	4.44E-04	4.37E-04	4.18E-04	4.28E-04	4.04E-04	1.18E-04	1.11E-04	2.29E-04	1.15E-04	1.08E-04	2.23E-04	1.13E-04	1.07E-04	2.20E-04
4458 482863.09, 3858377.25	0.00331	0.00293	5.03E-04	4.64E-04	4.74E-04	4.85E-04	4.58E-04	1.33E-04	1.18E-04	2.51E-04	1.30E-04	1.15E-04	2.45E-04	1.28E-04	1.14E-04	2.42E-04
4459 483363.09, 3858377.25	0.00367	0.00307	5.58E-04	4.86E-04	5.25E-04	5.38E-04	5.08E-04	1.48E-04	1.24E-04	2.71E-04	1.44E-04	1.21E-04	2.65E-04	1.42E-04	1.19E-04	2.61E-04
4460 483863.09, 3858377.25	0.00399	0.00324	6.06E-04	5.13E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.30E-04	2.91E-04	1.57E-04	1.27E-04	2.84E-04	1.55E-04	1.26E-04	2.80E-04
4461 484363.09, 3858377.25	0.00442	0.00351	6.72E-04	5.56E-04	6.33E-04	6.48E-04	6.11E-04	1.78E-04	1.41E-04	3.19E-04	1.74E-04	1.38E-04	3.11E-04	1.71E-04	1.36E-04	3.07E-04
4462 484863.09, 3858377.25	0.00508	0.00388	7.72E-04	6.14E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	1.56E-04	3.61E-04	1.99E-04	1.52E-04	3.52E-04	1.97E-04	1.50E-04	3.47E-04
4463 485363.09, 3858377.25	0.00603	0.00437	9.16E-04	6.92E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	1.76E-04	4.19E-04	2.37E-04	1.72E-04	4.08E-04	2.34E-04	1.69E-04	4.03E-04
4464 485863.09, 3858377.25	0.00737	0.005	1.12E-03	7.92E-04	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.01E-04	4.98E-04	2.89E-04	1.96E-04	4.86E-04	2.86E-04	1.94E-04	4.79E-04
4465 486363.09, 3858377.25	0.0095	0.0059	1.44E-03	9.34E-04	1.36E-03	1.39E-03	1.31E-03	3.82E-04	2.37E-04	6.20E-04	3.73E-04	2.32E-04	6.05E-04	3.68E-04	2.29E-04	5.97E-04
4466 486863.09, 3858377.25	0.0137	0.00737	2.08E-03	1.17E-03	1.96E-03	2.01E-03	1.89E-03	5.51E-04	2.97E-04	8.48E-04	5.38E-04	2.89E-04	8.27E-04	5.31E-04	2.86E-04	8.16E-04
4467 487363.09, 3858377.25	0.02711	0.01051	4.12E-03	1.66E-03	3.88E-03	3.98E-03	3.75E-03	1.09E-03	4.23E-04	1.51E-03	1.06E-03	4.13E-04	1.48E-03	1.05E-03	4.07E-04	1.46E-03
4468 487863.09, 3858377.25	0.46094	0.02183	7.00E-02	3.46E-03	6.60E-02	6.76E-02	6.38E-02	1.85E-02	8.79E-04	1.94E-02	1.81E-02	8.57E-04	1.90E-02	1.79E-02	8.46E-04	1.87E-02
4469 488363.09, 3858377.25	0.06325	0.23714	9.61E-03	3.75E-02	9.05E-03	9.27E-03	8.75E-03	2.55E-03	9.54E-03	1.21E-02	2.48E-03	9.31E-03	1.18E-02	2.45E-03	9.19E-03	1.16E-02
4470 488863.09, 3858377.25	0.0339	0.04213	5.15E-03	6.67E-03	4.85E-03	4.97E-03	4.69E-03	1.36E-03	1.70E-03	3.06E-03	1.33E-03	1.65E-03	2.99E-03	1.31E-03	1.63E-03	2.95E-03
4471 489363.09, 3858377.25	0.0235	0.02438	3.57E-03	3.86E-03	3.36E-03	3.45E-03	3.25E-03	9.46E-04	9.81E-04	1.93E-03	9.23E-04	9.57E-04	1.88E-03	9.11E-04	9.45E-04	1.86E-03
4472 489863.09, 3858377.25	0.01824	0.01788	2.77E-03	2.83E-03	2.61E-03	2.67E-03	2.52E-03	7.34E-04	7.20E-04	1.45E-03	7.16E-04	7.02E-04	1.42E-03	7.07E-04	6.93E-04	1.40E-03
4473 490363.09, 3858377.25	0.01501	0.01441	2.28E-03	2.28E-03	2.15E-03	2.20E-03	2.08E-03	6.04E-04	5.80E-04	1.18E-03	5.89E-04	5.66E-04	1.16E-03	5.82E-04	5.58E-04	1.14E-03
4474 490863.09, 3858377.25	0.01282	0.0122	1.95E-03	1.93E-03	1.84E-03	1.88E-03	1.77E-03	5.16E-04	4.91E-04	1.01E-03	5.03E-04	4.79E-04	9.83E-04	4.97E-04	4.73E-04	9.69E-04
4475 491363.09, 3858377.25	0.01048	0.01003	1.59E-03	1.59E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	4.04E-04	8.25E-04	4.12E-04	3.94E-04	8.05E-04	4.06E-04	3.89E-04	7.95E-04
4476 491863.09, 3858377.25	0.00791	0.00771	1.20E-03	1.22E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.10E-04	6.29E-04	3.11E-04	3.03E-04	6.13E-04	3.07E-04	2.99E-04	6.05E-04
4477 492363.09, 3858377.25	0.00612	0.00598	9.30E-04	9.47E-04	8.76E-04	8.97E-04	8.46E-04	2.46E-04	2.41E-04	4.87E-04	2.40E-04	2.35E-04	4.75E-04	2.37E-04	2.32E-04	4.69E-04
4478 492863.09, 3858377.25	0.006	0.00593	9.12E-04	9.39E-04	8.59E-04	8.80E-04	8.30E-04	2.41E-04	2.39E-04	4.80E-04	2.36E-04	2.33E-04	4.68E-04	2.32E-04	2.30E-04	4.62E-04
4479 493363.09, 3858377.25	0.00537	0.00531	8.16E-04	8.41E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	2.14E-04	4.30E-04	2.11E-04	2.09E-04	4.19E-04	2.08E-04	2.06E-04	4.14E-04
4480 493863.09, 3858377.25	0.00495	0.00489	7.52E-04	7.74E-04	7.09E-04	7.26E-04	6.85E-04	1.99E-04	1.97E-04	3.96E-04	1.94E-04	1.92E-04	3.86E-04	1.92E-04	1.89E-04	3.81E-04
4481 494363.09, 3858377.25	0.00455	0.00451	6.91E-04	7.14E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.81E-04	3.65E-04	1.79E-04	1.77E-04	3.56E-04	1.76E-04	1.75E-04	3.51E-04
4482 494863.09, 3858377.25	0.00426	0.00421	6.47E-04	6.67E-04	6.10E-04	6.25E-04	5.89E-04	1.71E-04	1.69E-04	3.41E-04	1.67E-04	1.65E-04	3.33E-04	1.65E-04	1.63E-04	3.28E-04
4483 495363.09, 3858377.25	0.00396	0.00391	6.02E-04	6.19E-04	5.67E-04	5.81E-04	5.48E-04	1.59E-04	1.57E-04	3.17E-04	1.56E-04	1.54E-04	3.09E-04	1.53E-04	1.52E-04	3.05E-04
4484 495863.09, 3858377.25	0.00385	0.00381	5.85E-04	6.03E-04	5.51E-04	5.65E-04	5.32E-04	1.55E-04	1.53E-04	3.08E-04	1.51E-04	1.50E-04	3.01E-04	1.49E-04	1.48E-04	2.97E-04

4485 496363.09, 3858377.25	0.00374	0.00371	5.68E-04	5.87E-04	5.35E-04	5.48E-04	5.17E-04	1.51E-04	1.49E-04	3.00E-04	1.47E-04	1.46E-04	2.93E-04	1.45E-04	1.44E-04	2.89E-04
4486 496863.09, 3858377.25	0.00376	0.00375	5.71E-04	5.94E-04	5.38E-04	5.51E-04	5.20E-04	1.51E-04	1.51E-04	3.02E-04	1.48E-04	1.47E-04	2.95E-04	1.46E-04	1.45E-04	2.91E-04
4487 497363.09, 3858377.25	0.00372	0.00372	5.65E-04	5.89E-04	5.33E-04	5.45E-04	5.15E-04	1.50E-04	1.50E-04	2.99E-04	1.46E-04	1.46E-04	2.92E-04	1.44E-04	1.44E-04	2.88E-04
4488 497863.09, 3858377.25	0.00387	0.00389	5.88E-04	6.16E-04	5.54E-04	5.67E-04	5.35E-04	1.56E-04	1.57E-04	3.12E-04	1.52E-04	1.53E-04	3.05E-04	1.50E-04	1.51E-04	3.01E-04
4489 498363.09, 3858377.25	0.00409	0.00412	6.21E-04	6.52E-04	5.86E-04	6.00E-04	5.66E-04	1.65E-04	1.66E-04	3.30E-04	1.61E-04	1.62E-04	3.22E-04	1.58E-04	1.60E-04	3.18E-04
4490 471363.09, 3858877.25	0.00117	0.00118	1.78E-04	1.87E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.75E-05	9.46E-05	4.59E-05	4.63E-05	9.23E-05	4.53E-05	4.57E-05	9.11E-05
4491 471863.09, 3858877.25	0.00118	0.00119	1.79E-04	1.88E-04	1.69E-04	1.73E-04	1.63E-04	4.75E-05	4.79E-05	9.54E-05	4.63E-05	4.67E-05	9.31E-05	4.57E-05	4.61E-05	9.18E-05
4492 472363.09, 3858877.25	0.00122	0.00123	1.85E-04	1.95E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.95E-05	9.86E-05	4.79E-05	4.83E-05	9.62E-05	4.73E-05	4.77E-05	9.49E-05
4493 472863.09, 3858877.25	0.00125	0.00126	1.90E-04	1.99E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	5.07E-05	1.01E-04	4.91E-05	4.95E-05	9.86E-05	4.84E-05	4.88E-05	9.73E-05
4494 473363.09, 3858877.25	0.0013	0.00131	1.98E-04	2.07E-04	1.86E-04	1.91E-04	1.80E-04	5.23E-05	5.27E-05	1.05E-04	5.11E-05	5.14E-05	1.02E-04	5.04E-05	5.08E-05	1.01E-04
4495 473863.09, 3858877.25	0.00131	0.00132	1.99E-04	2.09E-04	1.88E-04	1.92E-04	1.81E-04	5.27E-05	5.31E-05	1.06E-04	5.14E-05	5.18E-05	1.03E-04	5.08E-05	5.11E-05	1.02E-04
4496 474363.09, 3858877.25	0.00124	0.00128	1.88E-04	2.03E-04	1.78E-04	1.82E-04	1.72E-04	4.99E-05	5.15E-05	1.01E-04	4.87E-05	5.03E-05	9.90E-05	4.80E-05	4.96E-05	9.76E-05
4497 474863.09, 3858877.25	0.00098	0.00101	1.49E-04	1.60E-04	1.40E-04	1.44E-04	1.36E-04	3.94E-05	4.06E-05	8.01E-05	3.85E-05	3.97E-05	7.81E-05	3.80E-05	3.91E-05	7.71E-05
4498 475363.09, 3858877.25	0.00092	0.00093	1.40E-04	1.47E-04	1.32E-04	1.35E-04	1.27E-04	3.70E-05	3.74E-05	7.44E-05	3.61E-05	3.65E-05	7.26E-05	3.56E-05	3.60E-05	7.17E-05
4499 475863.09, 3858877.25	0.00096	0.00097	1.46E-04	1.54E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.90E-05	7.77E-05	3.77E-05	3.81E-05	7.58E-05	3.72E-05	3.76E-05	7.48E-05
4500 476363.09, 3858877.25	0.00087	0.00086	1.32E-04	1.36E-04	1.25E-04	1.28E-04	1.20E-04	3.50E-05	3.46E-05	6.96E-05	3.42E-05	3.38E-05	6.79E-05	3.37E-05	3.33E-05	6.70E-05
4501 476863.09, 3858877.25	0.00094	0.00093	1.43E-04	1.47E-04	1.35E-04	1.38E-04	1.30E-04	3.78E-05	3.74E-05	7.53E-05	3.69E-05	3.65E-05	7.34E-05	3.64E-05	3.60E-05	7.25E-05
4502 477363.09, 3858877.25	0.00096	0.00096	1.46E-04	1.52E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.86E-05	7.73E-05	3.77E-05	3.77E-05	7.54E-05	3.72E-05	3.72E-05	7.44E-05
4503 477863.09, 3858877.25	0.00103	0.00104	1.57E-04	1.65E-04	1.47E-04	1.51E-04	1.42E-04	4.15E-05	4.19E-05	8.33E-05	4.04E-05	4.08E-05	8.13E-05	3.99E-05	4.03E-05	8.02E-05
4504 478363.09, 3858877.25	0.00125	0.00131	1.90E-04	2.07E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	5.27E-05	1.03E-04	4.91E-05	5.14E-05	1.01E-04	4.84E-05	5.08E-05	9.92E-05
4505 478863.09, 3858877.25	0.00123	0.00127	1.87E-04	2.01E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	5.11E-05	1.01E-04	4.83E-05	4.99E-05	9.82E-05	4.77E-05	4.92E-05	9.69E-05
4506 479363.09, 3858877.25	0.00122	0.00124	1.85E-04	1.96E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.99E-05	9.90E-05	4.79E-05	4.87E-05	9.66E-05	4.73E-05	4.80E-05	9.53E-05
4507 479863.09, 3858877.25	0.00195	0.00193	2.96E-04	3.06E-04	2.79E-04	2.86E-04	2.70E-04	7.85E-05	7.77E-05	1.56E-04	7.66E-05	7.58E-05	1.52E-04	7.56E-05	7.48E-05	1.50E-04
4508 480363.09, 3858877.25	0.00212	0.00205	3.22E-04	3.25E-04	3.03E-04	3.11E-04	2.93E-04	8.53E-05	8.25E-05	1.68E-04	8.33E-05	8.05E-05	1.64E-04	8.21E-05	7.94E-05	1.62E-04
4509 480863.09, 3858877.25	0.00226	0.00216	3.43E-04	3.42E-04	3.24E-04	3.31E-04	3.13E-04	9.09E-05	8.69E-05	1.78E-04	8.87E-05	8.48E-05	1.74E-04	8.76E-05	8.37E-05	1.71E-04
4510 481363.09, 3858877.25	0.00239	0.00227	3.63E-04	3.59E-04	3.42E-04	3.50E-04	3.31E-04	9.62E-05	9.14E-05	1.88E-04	9.39E-05	8.91E-05	1.83E-04	9.26E-05	8.80E-05	1.81E-04
4511 481863.09, 3858877.25	0.00253	0.00241	3.84E-04	3.82E-04	3.62E-04	3.71E-04	3.50E-04	1.02E-04	9.70E-05	1.99E-04	9.94E-05	9.46E-05	1.94E-04	9.80E-05	9.34E-05	1.91E-04
4512 482363.09, 3858877.25	0.00271	0.00255	4.12E-04	4.04E-04	3.88E-04	3.97E-04	3.75E-04	1.09E-04	1.03E-04	2.12E-04	1.06E-04	1.00E-04	2.07E-04	1.05E-04	9.88E-05	2.04E-04
4513 482863.09, 3858877.25	0.00289	0.00272	4.39E-04	4.31E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.09E-04	2.26E-04	1.13E-04	1.07E-04	2.20E-04	1.12E-04	1.05E-04	2.17E-04
4514 483363.09, 3858877.25	0.00338	0.00293	5.14E-04	4.64E-04	4.84E-04	4.96E-04	4.67E-04	1.36E-04	1.18E-04	2.54E-04	1.33E-04	1.15E-04	2.48E-04	1.31E-04	1.14E-04	2.45E-04
4515 483863.09, 3858877.25	0.00361	0.00307	5.49E-04	4.86E-04	5.17E-04	5.29E-04	4.99E-04	1.45E-04	1.24E-04	2.69E-04	1.42E-04	1.21E-04	2.62E-04	1.40E-04	1.19E-04	2.59E-04
4516 484363.09, 3858877.25	0.00388	0.00326	5.90E-04	5.16E-04	5.55E-04	5.69E-04	5.37E-04	1.56E-04	1.31E-04	2.87E-04	1.52E-04	1.28E-04	2.80E-04	1.50E-04	1.26E-04	2.77E-04
4517 484863.09, 3858877.25	0.00423	0.00349	6.43E-04	5.53E-04	6.06E-04	6.20E-04	5.85E-04	1.70E-04	1.40E-04	3.11E-04	1.66E-04	1.37E-04	3.03E-04	1.64E-04	1.35E-04	2.99E-04
4518 485363.09, 3858877.25	0.00479	0.00383	7.28E-04	6.06E-04	6.86E-04	7.02E-04	6.62E-04	1.93E-04	1.54E-04	3.47E-04	1.88E-04	1.50E-04	3.39E-04	1.86E-04	1.48E-04	3.34E-04
4519 485863.09, 3858877.25	0.00553	0.00431	8.40E-04	6.82E-04	7.92E-04	8.11E-04	7.65E-04	2.23E-04	1.73E-04	3.96E-04	2.17E-04	1.69E-04	3.86E-04	2.14E-04	1.67E-04	3.81E-04
4520 486363.09, 3858877.25	0.00649	0.00492	9.86E-04	7.79E-04	9.29E-04	9.52E-04	8.98E-04	2.61E-04	1.98E-04	4.59E-04	2.55E-04	1.93E-04	4.48E-04	2.51E-04	1.91E-04	4.42E-04
4521 486863.09, 3858877.25	0.0079	0.00585	1.20E-03	9.26E-04	1.13E-03	1.16E-03	1.09E-03	3.18E-04	2.35E-04	5.53E-04	3.10E-04	2.30E-04	5.40E-04	3.06E-04	2.27E-04	5.33E-04
4522 487363.09, 3858877.25	0.01037	0.00746	1.58E-03	1.18E-03	1.48E-03	1.52E-03	1.43E-03	4.17E-04	3.00E-04	7.18E-04	4.07E-04	2.93E-04	7.00E-04	4.02E-04	2.89E-04	6.91E-04
4523 487863.09, 3858877.25	0.01531	0.01046	2.33E-03	1.66E-03	2.19E-03	2.24E-03	2.12E-03	6.16E-04	4.21E-04	1.04E-03	6.01E-04	4.11E-04	1.01E-03	5.93E-04	4.05E-04	9.99E-04
4524 488363.09, 3858877.25	0.03441	0.0204	5.23E-03	3.23E-03	4.93E-03	5.05E-03	4.76E-03	1.38E-03	8.21E-04	2.21E-03	1.35E-03	8.01E-04	2.15E-03	1.33E-03	7.90E-04	2.12E-03
4525 488863.09, 3858877.25	0.23702	0.34543	3.60E-02	5.47E-02	3.39E-02	3.48E-02	3.28E-02	9.54E-03	1.39E-02	2.34E-02	9.31E-03	1.36E-02	2.29E-02	9.18E-03	1.34E-02	2.26E-02
4526 489363.09, 3858877.25	0.0545	0.05533	8.28E-03	8.76E-03	7.80E-03	7.99E-03	7.54E-03	2.19E-03	2.23E-03	4.42E-03	2.14E-03	2.17E-03	4.31E-03	2.11E-03	2.14E-03	4.26E-03
4527 489863.09, 3858877.25	0.03153	0.03009	4.79E-03	4.76E-03	4.51E-03	4.62E-03	4.36E-03	1.27E-03	1.21E-03	2.48E-03	1.24E-03	1.18E-03	2.42E-03	1.22E-03	1.17E-03	2.39E-03
4528 490363.09, 3858877.25	0.02191	0.02076	3.33E-03	3.29E-03	3.14E-03	3.21E-03	3.03E-03	8.82E-04	8.35E-04	1.72E-03	8.60E-04	8.15E-04	1.68E-03	8.49E-04	8.04E-04	1.65E-03
4529 490863.09, 3858877.25	0.01552	0.01478	2.36E-03	2.34E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	5.95E-04	1.22E-03	6.09E-04	5.80E-04	1.19E-03	6.01E-04	5.73E-04	1.17E-03
4530 491363.09, 3858877.25	0.01107	0.01066	1.68E-03	1.69E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	4.29E-04	8.74E-04	4.35E-04	4.19E-04	8.53E-04	4.29E-04	4.13E-04	8.42E-04
4531 491863.09, 3858877.25	0.0084	0.00814	1.28E-03	1.29E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.28E-04	6.66E-04	3.30E-04	3.20E-04	6.50E-04	3.25E-04	3.15E-04	6.41E-04
4532 492363.09, 3858877.25	0.00822	0.00797	1.25E-03	1.26E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.21E-04	6.52E-04	3.23E-04	3.13E-04	6.36E-04	3.19E-04	3.09E-04	6.27E-04
4533 492863.09, 3858877.25	0.00835	0.00809	1.27E-03	1.28E-03	1.20E-03	1.22E-03	1.15E-03	3.36E-04	3.26E-04	6.62E-04	3.28E-04	3.18E-04	6.46E-04	3.24E-04	3.13E-04	6.37E-04
4534 493363.09, 3858877.25	0.00736	0.0072	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	2.90E-04	5.86E-04	2.89E-04	2.83E-04	5.72E-04	2.85E-04	2.79E-04	5.64E-04
4535 493863.09, 3858877.25	0.00627	0.00619	9.53E-04	9.80E-04	8.98E-04	9.19E-04	8.67E-04	2.52E-04	2.49E-04	5.01E-04	2.46E-04	2.43E-04	4.89E-04	2.43E-04	2.40E-04	4.83E-04
4536 494363.09, 3858877.25	0.00572	0.00567	8.69E-04	8.98E-04	8.19E-04	8.39E-04	7.91E-04	2.30E-04	2.28E-04	4.58E-04	2.25E-04	2.23E-04	4.47E-04	2.22E-04	2.20E-04	4.41E-04
4537 494863.09, 3858877.25	0.0052	0.00517	7.90E-04	8.19E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.08E-04	4.17E-04	2.04E-04	2.03E-04	4.07E-04	2.01E-04	2.00E-04	4.02E-04
4538 495363.09, 3858877.25	0.00478	0.00475	7.26E-04	7.52E-04	6.84E-04	7.01E-04	6.61E-04	1.92E-04	1.91E-04	3.84E-04	1.88E-04	1.87E-04	3.74E-04	1.85E-04	1.84E-04	3.69E-04
4539 495863.09, 3858877.25	0.00452	0.00451	6.87E-04	7.14E-04	6.47E-04	6.63E-04	6.25E-04	1.82E-04	1.81E-04	3.63E-04	1.77E-04	1.77E-04	3.55E-04	1.75E-04	1.75E-04	3.50E-04
4540 496363.09, 3858877.25	0.00438	0.00438	6.66E-04	6.93E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.76E-04	3.53E-04	1.72E-04	1.72E-04	3.44E-04	1.70E-04	1.70E-04	3.39E-04
4541 496863.09, 3858877.25	0.00427	0.00427	6.49E-04	6.76E-04	6.11E-04	6.26E-04	5.91E-04	1.72E-04	1.72E-04	3.44E-04	1.68E-04	1.68E-04	3.35E-04	1.65E-04	1.65E-04	3.31E-04
4542 497363.09, 3858877.25	0.00417	0.00418	6.34E-04	6.62E-04	5.97E-04	6.11E-04	5.77E-04	1.68E-04	1.68E-04	3.36E-04	1.64E-04	1.64E-04	3.28E-04	1.62E-04	1.62E-04	3.24E-04
4543 497863.09, 3858877.25	0.00436	0.00437	6.63E-04	6.92E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.76E-04	3.51E-04	1.71E-04	1.72E-04	3.43E-04	1.69E-04	1.69E-04	3.38E-04
4544 498363.09, 3858877.25	0.00458	0.00458	6.96E-04	7.25E-04	6.56E-04	6.72E-04	6.33E-04	1.84E-04	1.84E-04	3.69E-04	1.80E-04	1.80E-04	3.60E-04	1.77E-04	1.77E-04	3.55E-04
4545 471363.09, 3859377.25	0.00113	0.00114	1.72E-04	1.80E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.59E-05	9.14E-05	4.44E-05	4.48E-05	8.91E-05	4.38E-05	4.42E-05	8.80E-05
4546 471863.09, 3859377.25	0.00116	0.00117	1.76E-04	1.85E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.71E-05	9.38E-05	4.56E-05	4.59E-05	9.15E-05	4.49E-05	4.53E-05	9.03E-05
4547 472363.09, 3859377.25	0.00119	0.0012	1.81E-04	1.90E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.83E-05	9.62E-05	4.67E-05	4.71E-05	9.39E-05	4.61E-05	4.65E-05	9.26E-05
4548 472863.09, 3859377.25	0.00123	0.00123	1.87E-04	1.95E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.95E-05	9.90E-05	4.83E-05	4.83E-05	9.66E-05	4.77E-05	4.77E-05	9.53E-05
4549 473363.09, 3859377.25	0.00127	0.00126	1.93E-04	1.99E-04	1.82E-04	1.86E-04	1.76E-04	5.11E-05	5.07E-05	1.02E-04	4.99E-05	4.95E-05	9.94E-05	4.92E-05	4.88E-05	9.80E-05
4550 473863.09, 3859377.25	0.00129	0.00128	1.96E-04	2.03E-04	1.85E-04	1.89E-04	1.78E-04	5.19E-05	5.15E-05	1.03E-04	5.07E-05	5.03E-05	1.01E-04	5.00E-05	4.96E-05	9.96E-05

4551 474363.09, 3859377.25	0.00122	0.00124	1.85E-04	1.96E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.99E-05	9.90E-05	4.79E-05	4.87E-05	9.66E-05	4.73E-05	4.80E-05	9.53E-05
4552 474863.09, 3859377.25	0.00109	0.00113	1.66E-04	1.79E-04	1.56E-04	1.60E-04	1.51E-04	4.39E-05	4.55E-05	8.93E-05	4.28E-05	4.44E-05	8.72E-05	4.22E-05	4.38E-05	8.60E-05
4553 475363.09, 3859377.25	0.00096	0.00099	1.46E-04	1.57E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.98E-05	7.85E-05	3.77E-05	3.89E-05	7.66E-05	3.72E-05	3.84E-05	7.56E-05
4554 475863.09, 3859377.25	0.00087	0.00088	1.32E-04	1.39E-04	1.25E-04	1.28E-04	1.20E-04	3.50E-05	3.54E-05	7.04E-05	3.42E-05	3.46E-05	6.87E-05	3.37E-05	3.41E-05	6.78E-05
4555 476363.09, 3859377.25	0.00086	0.00086	1.31E-04	1.36E-04	1.23E-04	1.26E-04	1.19E-04	3.46E-05	3.46E-05	6.92E-05	3.38E-05	3.38E-05	6.75E-05	3.33E-05	3.33E-05	6.66E-05
4556 476863.09, 3859377.25	0.00083	0.00082	1.26E-04	1.30E-04	1.19E-04	1.22E-04	1.15E-04	3.34E-05	3.30E-05	6.64E-05	3.26E-05	3.22E-05	6.48E-05	3.22E-05	3.18E-05	6.39E-05
4557 477363.09, 3859377.25	0.00086	0.00086	1.31E-04	1.36E-04	1.23E-04	1.26E-04	1.19E-04	3.46E-05	3.46E-05	6.92E-05	3.38E-05	3.38E-05	6.75E-05	3.33E-05	3.33E-05	6.66E-05
4558 477863.09, 3859377.25	0.001	0.00102	1.52E-04	1.61E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	4.10E-05	8.13E-05	3.93E-05	4.01E-05	7.93E-05	3.87E-05	3.95E-05	7.83E-05
4559 478363.09, 3859377.25	0.00114	0.00119	1.73E-04	1.88E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.79E-05	9.38E-05	4.48E-05	4.67E-05	9.15E-05	4.42E-05	4.61E-05	9.03E-05
4560 478863.09, 3859377.25	0.00134	0.00141	2.04E-04	2.23E-04	1.92E-04	1.96E-04	1.85E-04	5.39E-05	5.67E-05	1.11E-04	5.26E-05	5.54E-05	1.08E-04	5.19E-05	5.46E-05	1.07E-04
4561 479363.09, 3859377.25	0.00156	0.0016	2.37E-04	2.53E-04	2.23E-04	2.29E-04	2.16E-04	6.28E-05	6.44E-05	1.27E-04	6.13E-05	6.28E-05	1.24E-04	6.04E-05	6.20E-05	1.22E-04
4562 479863.09, 3859377.25	0.00176	0.00175	2.67E-04	2.77E-04	2.52E-04	2.58E-04	2.43E-04	7.08E-05	7.04E-05	1.41E-04	6.91E-05	6.87E-05	1.38E-04	6.82E-05	6.78E-05	1.36E-04
4563 480363.09, 3859377.25	0.00195	0.00189	2.96E-04	2.99E-04	2.79E-04	2.86E-04	2.70E-04	7.85E-05	7.61E-05	1.55E-04	7.66E-05	7.42E-05	1.51E-04	7.56E-05	7.32E-05	1.49E-04
4564 480863.09, 3859377.25	0.0021	0.002	3.19E-04	3.17E-04	3.01E-04	3.08E-04	2.90E-04	8.45E-05	8.05E-05	1.65E-04	8.25E-05	7.85E-05	1.61E-04	8.14E-05	7.75E-05	1.59E-04
4565 481363.09, 3859377.25	0.00222	0.0021	3.37E-04	3.32E-04	3.18E-04	3.26E-04	3.07E-04	8.93E-05	8.45E-05	1.74E-04	8.72E-05	8.25E-05	1.70E-04	8.60E-05	8.14E-05	1.67E-04
4566 481863.09, 3859377.25	0.00234	0.0022	3.56E-04	3.48E-04	3.35E-04	3.43E-04	3.24E-04	9.42E-05	8.85E-05	1.83E-04	9.19E-05	8.64E-05	1.78E-04	9.07E-05	8.52E-05	1.76E-04
4567 482363.09, 3859377.25	0.00248	0.00232	3.77E-04	3.67E-04	3.55E-04	3.64E-04	3.43E-04	9.98E-05	9.34E-05	1.93E-04	9.74E-05	9.11E-05	1.88E-04	9.61E-05	8.99E-05	1.86E-04
4568 482863.09, 3859377.25	0.00264	0.00245	4.01E-04	3.88E-04	3.78E-04	3.87E-04	3.65E-04	1.06E-04	9.86E-05	2.05E-04	1.04E-04	9.62E-05	2.00E-04	1.02E-04	9.49E-05	1.97E-04
4569 483363.09, 3859377.25	0.00293	0.00263	4.45E-04	4.16E-04	4.19E-04	4.30E-04	4.05E-04	1.18E-04	1.06E-04	2.24E-04	1.15E-04	1.03E-04	2.18E-04	1.14E-04	1.02E-04	2.15E-04
4570 483863.09, 3859377.25	0.00317	0.00278	4.82E-04	4.40E-04	4.54E-04	4.65E-04	4.38E-04	1.28E-04	1.12E-04	2.39E-04	1.24E-04	1.09E-04	2.34E-04	1.23E-04	1.08E-04	2.31E-04
4571 484363.09, 3859377.25	0.00344	0.003	5.23E-04	4.75E-04	4.92E-04	5.04E-04	4.76E-04	1.38E-04	1.21E-04	2.59E-04	1.35E-04	1.18E-04	2.53E-04	1.33E-04	1.16E-04	2.50E-04
4572 484863.09, 3859377.25	0.00373	0.00325	5.67E-04	5.15E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.31E-04	2.81E-04	1.46E-04	1.28E-04	2.74E-04	1.45E-04	1.26E-04	2.70E-04
4573 485363.09, 3859377.25	0.00411	0.00354	6.25E-04	5.60E-04	5.88E-04	6.03E-04	5.68E-04	1.65E-04	1.42E-04	3.08E-04	1.61E-04	1.39E-04	3.00E-04	1.59E-04	1.37E-04	2.96E-04
4574 485863.09, 3859377.25	0.00457	0.00388	6.94E-04	6.14E-04	6.54E-04	6.70E-04	6.32E-04	1.84E-04	1.56E-04	3.40E-04	1.79E-04	1.52E-04	3.32E-04	1.77E-04	1.50E-04	3.27E-04
4575 486363.09, 3859377.25	0.00509	0.00428	7.73E-04	6.78E-04	7.29E-04	7.46E-04	7.04E-04	2.05E-04	1.72E-04	3.77E-04	2.00E-04	1.68E-04	3.68E-04	1.97E-04	1.66E-04	3.63E-04
4576 486863.09, 3859377.25	0.00576	0.0048	8.75E-04	7.60E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	1.93E-04	4.25E-04	2.26E-04	1.88E-04	4.15E-04	2.23E-04	1.86E-04	4.09E-04
4577 487363.09, 3859377.25	0.0067	0.00563	1.02E-03	8.91E-04	9.59E-04	9.82E-04	9.27E-04	2.70E-04	2.27E-04	4.96E-04	2.63E-04	2.21E-04	4.84E-04	2.60E-04	2.18E-04	4.78E-04
4578 487863.09, 3859377.25	0.00821	0.00702	1.25E-03	1.11E-03	1.18E-03	1.20E-03	1.14E-03	3.30E-04	2.83E-04	6.13E-04	3.22E-04	2.76E-04	5.98E-04	3.18E-04	2.72E-04	5.90E-04
4579 488363.09, 3859377.25	0.01089	0.00949	1.65E-03	1.50E-03	1.56E-03	1.60E-03	1.51E-03	4.38E-04	3.82E-04	8.20E-04	4.28E-04	3.73E-04	8.00E-04	4.22E-04	3.68E-04	7.90E-04
4580 488863.09, 3859377.25	0.01702	0.01541	2.59E-03	2.44E-03	2.44E-03	2.50E-03	2.35E-03	6.85E-04	6.20E-04	1.31E-03	6.68E-04	6.05E-04	1.27E-03	6.59E-04	5.97E-04	1.26E-03
4581 489363.09, 3859377.25	0.0459	0.04331	6.97E-03	6.86E-03	6.57E-03	6.73E-03	6.35E-03	1.85E-03	1.74E-03	3.59E-03	1.80E-03	1.70E-03	3.50E-03	1.78E-03	1.68E-03	3.46E-03
4582 489863.09, 3859377.25	0.14876	0.15124	2.26E-02	2.39E-02	2.13E-02	2.18E-02	2.06E-02	5.99E-03	6.09E-03	1.21E-02	5.84E-03	5.94E-03	1.18E-02	5.76E-03	5.86E-03	1.16E-02
4583 490363.09, 3859377.25	0.04757	0.04692	7.23E-03	7.43E-03	6.81E-03	6.98E-03	6.58E-03	1.91E-03	1.89E-03	3.80E-03	1.87E-03	1.84E-03	3.71E-03	1.84E-03	1.82E-03	3.66E-03
4584 490863.09, 3859377.25	0.02607	0.02551	3.96E-03	4.04E-03	3.73E-03	3.82E-03	3.61E-03	1.05E-03	1.03E-03	2.08E-03	1.02E-03	1.00E-03	2.03E-03	1.01E-03	9.88E-04	2.00E-03
4585 491363.09, 3859377.25	0.01545	0.01521	2.35E-03	2.41E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.12E-04	1.23E-03	6.07E-04	5.97E-04	1.20E-03	5.99E-04	5.89E-04	1.19E-03
4586 491863.09, 3859377.25	0.01455	0.01423	2.21E-03	2.25E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	5.73E-04	1.16E-03	5.71E-04	5.59E-04	1.13E-03	5.64E-04	5.51E-04	1.12E-03
4587 492363.09, 3859377.25	0.0124	0.0121	1.88E-03	1.92E-03	1.78E-03	1.82E-03	1.72E-03	4.99E-04	4.87E-04	9.86E-04	4.87E-04	4.75E-04	9.62E-04	4.80E-04	4.69E-04	9.49E-04
4588 492863.09, 3859377.25	0.01109	0.01079	1.69E-03	1.71E-03	1.59E-03	1.63E-03	1.53E-03	4.46E-04	4.34E-04	8.81E-04	4.36E-04	4.24E-04	8.59E-04	4.30E-04	4.18E-04	8.48E-04
4589 493363.09, 3859377.25	0.00932	0.00907	1.42E-03	1.44E-03	1.33E-03	1.37E-03	1.29E-03	3.75E-04	3.65E-04	7.40E-04	3.66E-04	3.56E-04	7.22E-04	3.61E-04	3.51E-04	7.13E-04
4590 493863.09, 3859377.25	0.00844	0.00822	1.28E-03	1.30E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	3.31E-04	6.70E-04	3.31E-04	3.23E-04	6.54E-04	3.27E-04	3.19E-04	6.46E-04
4591 494363.09, 3859377.25	0.00754	0.00738	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.03E-04	2.97E-04	6.00E-04	2.96E-04	2.90E-04	5.86E-04	2.92E-04	2.86E-04	5.78E-04
4592 494863.09, 3859377.25	0.00645	0.00637	9.80E-04	1.01E-03	9.23E-04	9.46E-04	8.92E-04	2.60E-04	2.56E-04	5.16E-04	2.53E-04	2.50E-04	5.03E-04	2.50E-04	2.47E-04	4.97E-04
4593 495363.09, 3859377.25	0.00599	0.00594	9.10E-04	9.40E-04	8.58E-04	8.78E-04	8.28E-04	2.41E-04	2.39E-04	4.80E-04	2.35E-04	2.33E-04	4.68E-04	2.32E-04	2.30E-04	4.62E-04
4594 495863.09, 3859377.25	0.0055	0.00547	8.36E-04	8.66E-04	7.87E-04	8.06E-04	7.61E-04	2.21E-04	2.20E-04	4.41E-04	2.16E-04	2.15E-04	4.31E-04	2.13E-04	2.12E-04	4.25E-04
4595 496363.09, 3859377.25	0.0053	0.00527	8.05E-04	8.34E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	2.12E-04	4.25E-04	2.08E-04	2.07E-04	4.15E-04	2.05E-04	2.04E-04	4.10E-04
4596 496863.09, 3859377.25	0.00488	0.00486	7.42E-04	7.69E-04	6.99E-04	7.16E-04	6.75E-04	1.96E-04	1.96E-04	3.92E-04	1.92E-04	1.91E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
4597 497363.09, 3859377.25	0.00488	0.00486	7.42E-04	7.69E-04	6.99E-04	7.16E-04	6.75E-04	1.96E-04	1.96E-04	3.92E-04	1.92E-04	1.91E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
4598 497863.09, 3859377.25	0.00507	0.00503	7.70E-04	7.96E-04	7.26E-04	7.43E-04	7.01E-04	2.04E-04	2.02E-04	4.06E-04	1.99E-04	1.98E-04	3.97E-04	1.96E-04	1.95E-04	3.91E-04
4599 498363.09, 3859377.25	0.00525	0.00518	7.98E-04	8.20E-04	7.52E-04	7.70E-04	7.26E-04	2.11E-04	2.08E-04	4.20E-04	2.06E-04	2.03E-04	4.10E-04	2.03E-04	2.01E-04	4.04E-04
4600 471363.09, 3859877.25	0.00111	0.00111	1.69E-04	1.76E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.47E-05	8.93E-05	4.36E-05	4.36E-05	8.72E-05	4.30E-05	4.30E-05	8.60E-05
4601 471863.09, 3859877.25	0.00114	0.00114	1.73E-04	1.80E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.59E-05	9.18E-05	4.48E-05	4.48E-05	8.95E-05	4.42E-05	4.42E-05	8.83E-05
4602 472363.09, 3859877.25	0.00116	0.00116	1.76E-04	1.84E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.67E-05	9.34E-05	4.56E-05	4.56E-05	9.11E-05	4.49E-05	4.49E-05	8.99E-05
4603 472863.09, 3859877.25	0.0012	0.00119	1.82E-04	1.88E-04	1.72E-04	1.76E-04	1.66E-04	4.83E-05	4.79E-05	9.62E-05	4.71E-05	4.67E-05	9.39E-05	4.65E-05	4.61E-05	9.26E-05
4604 473363.09, 3859877.25	0.00123	0.00122	1.87E-04	1.93E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.91E-05	9.86E-05	4.83E-05	4.79E-05	9.62E-05	4.77E-05	4.73E-05	9.49E-05
4605 473863.09, 3859877.25	0.00126	0.00125	1.91E-04	1.98E-04	1.80E-04	1.85E-04	1.74E-04	5.07E-05	5.03E-05	1.01E-04	4.95E-05	4.91E-05	9.86E-05	4.88E-05	4.84E-05	9.73E-05
4606 474363.09, 3859877.25	0.00122	0.00123	1.85E-04	1.95E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.95E-05	9.86E-05	4.79E-05	4.83E-05	9.62E-05	4.73E-05	4.77E-05	9.49E-05
4607 474863.09, 3859877.25	0.00114	0.00117	1.73E-04	1.85E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.71E-05	9.30E-05	4.48E-05	4.59E-05	9.07E-05	4.42E-05	4.53E-05	8.95E-05
4608 475363.09, 3859877.25	0.00098	0.00101	1.49E-04	1.60E-04	1.40E-04	1.44E-04	1.36E-04	3.94E-05	4.06E-05	8.01E-05	3.85E-05	3.97E-05	7.81E-05	3.80E-05	3.91E-05	7.71E-05
4609 475863.09, 3859877.25	0.00084	0.00085	1.28E-04	1.35E-04	1.20E-04	1.23E-04	1.16E-04	3.38E-05	3.42E-05	6.80E-05	3.30E-05	3.34E-05	6.64E-05	3.25E-05	3.29E-05	6.55E-05
4610 476363.09, 3859877.25	0.00075	0.00075	1.14E-04	1.19E-04	1.07E-04	1.10E-04	1.04E-04	3.02E-05	3.02E-05	6.04E-05	2.95E-05	2.95E-05	5.89E-05	2.91E-05	2.91E-05	5.81E-05
4611 476863.09, 3859877.25	0.00079	0.00079	1.20E-04	1.25E-04	1.13E-04	1.16E-04	1.09E-04	3.18E-05	3.18E-05	6.36E-05	3.10E-05	3.10E-05	6.20E-05	3.06E-05	3.06E-05	6.12E-05
4612 477363.09, 3859877.25	0.00082	0.00082	1.25E-04	1.30E-04	1.17E-04	1.20E-04	1.13E-04	3.30E-05	3.30E-05	6.60E-05	3.22E-05	3.22E-05	6.44E-05	3.18E-05	3.18E-05	6.35E-05
4613 477863.09, 3859877.25	0.00094	0.00096	1.43E-04	1.52E-04	1.35E-04	1.38E-04	1.30E-04	3.78E-05	3.86E-05	7.65E-05	3.69E-05	3.77E-05	7.46E-05	3.64E-05	3.72E-05	7.36E-05
4614 478363.09, 3859877.25	0.0011	0.00114	1.67E-04	1.80E-04	1.57E-04	1.61E-04	1.52E-04	4.43E-05	4.59E-05	9.01E-05	4.32E-05	4.48E-05	8.80E-05	4.26E-05	4.42E-05	8.68E-05
4615 478863.09, 3859877.25	0.00129	0.00135	1.96E-04	2.14E-04	1.85E-04	1.89E-04	1.78E-04	5.19E-05	5.43E-05	1.06E-04	5.07E-05	5.30E-05	1.04E-04	5.00E-05	5.23E-05	1.02E-04
4616 479363.09, 3859877.25	0.00153	0.00155	2.32E-04	2.45E-04	2.19E-04	2.24E-04	2.12E-04	6.16E-05	6.24E-05	1.24E-04	6.01E-05	6.09E-05	1.21E-04	5.93E-05	6.01E-05	1.19E-04

4617 479863.09, 3859877.25	0.00172	0.00169	2.61E-04	2.68E-04	2.46E-04	2.52E-04	2.38E-04	6.92E-05	6.80E-05	1.37E-04	6.75E-05	6.64E-05	1.34E-04	6.66E-05	6.55E-05	1.32E-04
4618 480363.09, 3859877.25	0.00188	0.00181	2.86E-04	2.87E-04	2.69E-04	2.76E-04	2.60E-04	7.57E-05	7.28E-05	1.48E-04	7.38E-05	7.11E-05	1.45E-04	7.28E-05	7.01E-05	1.43E-04
4619 480863.09, 3859877.25	0.002	0.0019	3.04E-04	3.01E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	7.65E-05	1.57E-04	7.85E-05	7.46E-05	1.53E-04	7.75E-05	7.36E-05	1.51E-04
4620 481363.09, 3859877.25	0.0021	0.00198	3.19E-04	3.13E-04	3.01E-04	3.08E-04	2.90E-04	8.45E-05	7.97E-05	1.64E-04	8.25E-05	7.78E-05	1.60E-04	8.14E-05	7.67E-05	1.58E-04
4621 481863.09, 3859877.25	0.0022	0.00207	3.34E-04	3.28E-04	3.15E-04	3.23E-04	3.04E-04	8.85E-05	8.33E-05	1.72E-04	8.64E-05	8.13E-05	1.68E-04	8.52E-05	8.02E-05	1.65E-04
4622 482363.09, 3859877.25	0.00232	0.00217	3.53E-04	3.44E-04	3.32E-04	3.40E-04	3.21E-04	9.34E-05	8.73E-05	1.81E-04	9.11E-05	8.52E-05	1.76E-04	8.99E-05	8.41E-05	1.74E-04
4623 482863.09, 3859877.25	0.00243	0.00226	3.69E-04	3.58E-04	3.48E-04	3.56E-04	3.36E-04	9.78E-05	9.09E-05	1.89E-04	9.54E-05	8.87E-05	1.84E-04	9.42E-05	8.76E-05	1.82E-04
4624 483363.09, 3859877.25	0.00257	0.00238	3.91E-04	3.77E-04	3.68E-04	3.77E-04	3.55E-04	1.03E-04	9.58E-05	1.99E-04	1.01E-04	9.35E-05	1.94E-04	9.96E-05	9.22E-05	1.92E-04
4625 483863.09, 3859877.25	0.00279	0.00251	4.24E-04	3.97E-04	3.99E-04	4.09E-04	3.86E-04	1.12E-04	1.01E-04	2.13E-04	1.10E-04	9.86E-05	2.08E-04	1.08E-04	9.73E-05	2.05E-04
4626 484363.09, 3859877.25	0.00296	0.00265	4.50E-04	4.20E-04	4.24E-04	4.34E-04	4.09E-04	1.19E-04	1.07E-04	2.26E-04	1.16E-04	1.04E-04	2.20E-04	1.15E-04	1.03E-04	2.17E-04
4627 484863.09, 3859877.25	0.00315	0.00283	4.79E-04	4.48E-04	4.51E-04	4.62E-04	4.36E-04	1.27E-04	1.14E-04	2.41E-04	1.24E-04	1.11E-04	2.35E-04	1.22E-04	1.10E-04	2.32E-04
4628 485363.09, 3859877.25	0.00342	0.00307	5.20E-04	4.86E-04	4.90E-04	5.01E-04	4.73E-04	1.38E-04	1.24E-04	2.61E-04	1.34E-04	1.21E-04	2.55E-04	1.33E-04	1.19E-04	2.51E-04
4629 485863.09, 3859877.25	0.00379	0.00338	5.76E-04	5.35E-04	5.43E-04	5.56E-04	5.24E-04	1.53E-04	1.36E-04	2.89E-04	1.49E-04	1.33E-04	2.82E-04	1.47E-04	1.31E-04	2.78E-04
4630 486363.09, 3859877.25	0.00423	0.00377	6.43E-04	5.97E-04	6.06E-04	6.20E-04	5.85E-04	1.70E-04	1.52E-04	3.22E-04	1.66E-04	1.48E-04	3.14E-04	1.64E-04	1.46E-04	3.10E-04
4631 486863.09, 3859877.25	0.00475	0.00424	7.22E-04	6.71E-04	6.80E-04	6.96E-04	6.57E-04	1.91E-04	1.71E-04	3.62E-04	1.87E-04	1.67E-04	3.53E-04	1.84E-04	1.64E-04	3.48E-04
4632 487363.09, 3859877.25	0.00531	0.00476	8.07E-04	7.54E-04	7.60E-04	7.79E-04	7.34E-04	2.14E-04	1.92E-04	4.05E-04	2.09E-04	1.87E-04	3.95E-04	2.06E-04	1.84E-04	3.90E-04
4633 487863.09, 3859877.25	0.00604	0.0055	9.18E-04	8.71E-04	8.65E-04	8.86E-04	8.35E-04	2.43E-04	2.21E-04	4.64E-04	2.37E-04	2.16E-04	4.53E-04	2.34E-04	2.13E-04	4.47E-04
4634 488363.09, 3859877.25	0.00691	0.00641	1.05E-03	1.01E-03	9.89E-04	1.01E-03	9.56E-04	2.78E-04	2.58E-04	5.36E-04	2.71E-04	2.52E-04	5.23E-04	2.68E-04	2.48E-04	5.16E-04
4635 488863.09, 3859877.25	0.00858	0.00808	1.30E-03	1.28E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	3.25E-04	6.70E-04	3.37E-04	3.17E-04	6.54E-04	3.32E-04	3.13E-04	6.46E-04
4636 489363.09, 3859877.25	0.01155	0.01116	1.76E-03	1.77E-03	1.65E-03	1.69E-03	1.60E-03	4.65E-04	4.49E-04	9.14E-04	4.54E-04	4.38E-04	8.92E-04	4.48E-04	4.32E-04	8.80E-04
4637 489863.09, 3859877.25	0.01818	0.01777	2.76E-03	2.81E-03	2.60E-03	2.67E-03	2.51E-03	7.32E-04	7.15E-04	1.45E-03	7.14E-04	6.98E-04	1.41E-03	7.04E-04	6.89E-04	1.39E-03
4638 490363.09, 3859877.25	0.04088	0.04017	6.21E-03	6.36E-03	5.85E-03	5.99E-03	5.65E-03	1.65E-03	1.62E-03	3.26E-03	1.61E-03	1.58E-03	3.18E-03	1.58E-03	1.56E-03	3.14E-03
4639 490863.09, 3859877.25	0.31013	0.34175	4.71E-02	5.41E-02	4.44E-02	4.55E-02	4.29E-02	1.25E-02	1.38E-02	2.62E-02	1.22E-02	1.34E-02	2.56E-02	1.20E-02	1.32E-02	2.53E-02
4640 491363.09, 3859877.25	0.06003	0.05988	9.12E-03	9.48E-03	8.59E-03	8.80E-03	8.30E-03	2.42E-03	2.41E-03	4.83E-03	2.36E-03	2.35E-03	4.71E-03	2.33E-03	2.32E-03	4.65E-03
4641 491863.09, 3859877.25	0.0304	0.03018	4.62E-03	4.78E-03	4.35E-03	4.46E-03	4.20E-03	1.22E-03	1.21E-03	2.44E-03	1.19E-03	1.19E-03	2.38E-03	1.18E-03	1.17E-03	2.35E-03
4642 492363.09, 3859877.25	0.02064	0.02043	3.14E-03	3.23E-03	2.95E-03	3.03E-03	2.85E-03	8.31E-04	8.22E-04	1.65E-03	8.11E-04	8.02E-04	1.61E-03	8.00E-04	7.92E-04	1.59E-03
4643 492863.09, 3859877.25	0.01515	0.01496	2.30E-03	2.37E-03	2.17E-03	2.22E-03	2.10E-03	6.10E-04	6.02E-04	1.21E-03	5.95E-04	5.87E-04	1.18E-03	5.87E-04	5.80E-04	1.17E-03
4644 493363.09, 3859877.25	0.01249	0.01229	1.90E-03	1.95E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	4.95E-04	9.97E-04	4.90E-04	4.83E-04	9.73E-04	4.84E-04	4.76E-04	9.60E-04
4645 493863.09, 3859877.25	0.01073	0.01052	1.63E-03	1.67E-03	1.54E-03	1.57E-03	1.48E-03	4.32E-04	4.23E-04	8.55E-04	4.21E-04	4.13E-04	8.34E-04	4.16E-04	4.08E-04	8.23E-04
4646 494363.09, 3859877.25	0.00925	0.00905	1.41E-03	1.43E-03	1.32E-03	1.36E-03	1.28E-03	3.72E-04	3.64E-04	7.36E-04	3.63E-04	3.55E-04	7.19E-04	3.58E-04	3.51E-04	7.09E-04
4647 494863.09, 3859877.25	0.00845	0.00826	1.28E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	3.32E-04	6.72E-04	3.32E-04	3.24E-04	6.56E-04	3.27E-04	3.20E-04	6.47E-04
4648 495363.09, 3859877.25	0.00764	0.00748	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.94E-04	5.94E-04	2.96E-04	2.90E-04	5.86E-04
4649 495863.09, 3859877.25	0.00694	0.00681	1.05E-03	1.08E-03	9.94E-04	1.02E-03	9.60E-04	2.79E-04	2.74E-04	5.53E-04	2.73E-04	2.67E-04	5.40E-04	2.69E-04	2.64E-04	5.33E-04
4650 496363.09, 3859877.25	0.00613	0.00606	9.31E-04	9.59E-04	8.78E-04	8.99E-04	8.48E-04	2.47E-04	2.44E-04	4.91E-04	2.41E-04	2.38E-04	4.79E-04	2.38E-04	2.35E-04	4.72E-04
4651 496863.09, 3859877.25	0.00508	0.00506	7.72E-04	8.01E-04	7.27E-04	7.45E-04	7.03E-04	2.04E-04	2.04E-04	4.08E-04	1.99E-04	1.99E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
4652 497363.09, 3859877.25	0.00539	0.00536	8.19E-04	8.49E-04	7.72E-04	7.90E-04	7.45E-04	2.17E-04	2.16E-04	4.33E-04	2.12E-04	2.10E-04	4.22E-04	2.09E-04	2.08E-04	4.17E-04
4653 497863.09, 3859877.25	0.00584	0.00576	8.87E-04	9.12E-04	8.36E-04	8.56E-04	8.08E-04	2.35E-04	2.32E-04	4.67E-04	2.29E-04	2.26E-04	4.56E-04	2.26E-04	2.23E-04	4.49E-04
4654 498363.09, 3859877.25	0.00607	0.00597	9.22E-04	9.45E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.40E-04	4.85E-04	2.38E-04	2.34E-04	4.73E-04	2.35E-04	2.31E-04	4.67E-04
4655 471363.09, 3860377.25	0.00109	0.00108	1.66E-04	1.71E-04	1.56E-04	1.60E-04	1.51E-04	4.39E-05	4.35E-05	8.73E-05	4.28E-05	4.24E-05	8.52E-05	4.22E-05	4.18E-05	8.41E-05
4656 471863.09, 3860377.25	0.00111	0.0011	1.69E-04	1.74E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.43E-05	8.89E-05	4.36E-05	4.32E-05	8.68E-05	4.30E-05	4.26E-05	8.56E-05
4657 472363.09, 3860377.25	0.00114	0.00113	1.73E-04	1.79E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.55E-05	9.14E-05	4.48E-05	4.44E-05	8.91E-05	4.42E-05	4.38E-05	8.80E-05
4658 472863.09, 3860377.25	0.00117	0.00116	1.78E-04	1.84E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.67E-05	9.38E-05	4.59E-05	4.56E-05	9.15E-05	4.53E-05	4.49E-05	9.03E-05
4659 473363.09, 3860377.25	0.0012	0.00119	1.82E-04	1.88E-04	1.72E-04	1.76E-04	1.66E-04	4.83E-05	4.79E-05	9.62E-05	4.71E-05	4.67E-05	9.39E-05	4.65E-05	4.61E-05	9.26E-05
4660 473863.09, 3860377.25	0.00122	0.00121	1.85E-04	1.92E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.87E-05	9.78E-05	4.79E-05	4.75E-05	9.54E-05	4.73E-05	4.69E-05	9.42E-05
4661 474363.09, 3860377.25	0.00122	0.00122	1.85E-04	1.93E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.91E-05	9.82E-05	4.79E-05	4.79E-05	9.58E-05	4.73E-05	4.73E-05	9.45E-05
4662 474863.09, 3860377.25	0.0012	0.00121	1.82E-04	1.92E-04	1.72E-04	1.76E-04	1.66E-04	4.83E-05	4.87E-05	9.70E-05	4.71E-05	4.75E-05	9.46E-05	4.65E-05	4.69E-05	9.34E-05
4663 475363.09, 3860377.25	0.00113	0.00116	1.72E-04	1.84E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.67E-05	9.22E-05	4.44E-05	4.56E-05	8.99E-05	4.38E-05	4.49E-05	8.87E-05
4664 475863.09, 3860377.25	0.00107	0.0011	1.63E-04	1.74E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.43E-05	8.73E-05	4.20E-05	4.32E-05	8.52E-05	4.15E-05	4.26E-05	8.41E-05
4665 476363.09, 3860377.25	0.00098	0.00102	1.49E-04	1.61E-04	1.40E-04	1.44E-04	1.36E-04	3.94E-05	4.10E-05	8.05E-05	3.85E-05	4.01E-05	7.85E-05	3.80E-05	3.95E-05	7.75E-05
4666 476863.09, 3860377.25	0.00096	0.00099	1.46E-04	1.57E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.98E-05	7.85E-05	3.77E-05	3.89E-05	7.66E-05	3.72E-05	3.84E-05	7.56E-05
4667 477363.09, 3860377.25	0.00086	0.00087	1.31E-04	1.38E-04	1.23E-04	1.26E-04	1.19E-04	3.46E-05	3.50E-05	6.96E-05	3.38E-05	3.42E-05	6.79E-05	3.33E-05	3.37E-05	6.70E-05
4668 477863.09, 3860377.25	0.00092	0.00094	1.40E-04	1.49E-04	1.32E-04	1.35E-04	1.27E-04	3.70E-05	3.78E-05	7.49E-05	3.61E-05	3.69E-05	7.30E-05	3.56E-05	3.64E-05	7.21E-05
4669 478363.09, 3860377.25	0.00108	0.00114	1.64E-04	1.80E-04	1.55E-04	1.58E-04	1.49E-04	4.35E-05	4.59E-05	8.93E-05	4.24E-05	4.48E-05	8.72E-05	4.18E-05	4.42E-05	8.60E-05
4670 478863.09, 3860377.25	0.00126	0.00131	1.91E-04	2.07E-04	1.80E-04	1.85E-04	1.74E-04	5.07E-05	5.27E-05	1.03E-04	4.95E-05	5.14E-05	1.01E-04	4.88E-05	5.08E-05	9.96E-05
4671 479363.09, 3860377.25	0.00147	0.00148	2.23E-04	2.34E-04	2.10E-04	2.16E-04	2.03E-04	5.92E-05	5.96E-05	1.19E-04	5.77E-05	5.81E-05	1.16E-04	5.70E-05	5.73E-05	1.14E-04
4672 479863.09, 3860377.25	0.00166	0.00162	2.52E-04	2.56E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.52E-05	1.32E-04	6.52E-05	6.36E-05	1.29E-04	6.43E-05	6.28E-05	1.27E-04
4673 480363.09, 3860377.25	0.00179	0.00172	2.72E-04	2.72E-04	2.56E-04	2.62E-04	2.48E-04	7.20E-05	6.92E-05	1.41E-04	7.03E-05	6.75E-05	1.38E-04	6.94E-05	6.66E-05	1.36E-04
4674 480863.09, 3860377.25	0.00191	0.00181	2.90E-04	2.87E-04	2.73E-04	2.80E-04	2.64E-04	7.69E-05	7.28E-05	1.50E-04	7.50E-05	7.11E-05	1.46E-04	7.40E-05	7.01E-05	1.44E-04
4675 481363.09, 3860377.25	0.00198	0.00188	3.01E-04	2.98E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	7.57E-05	1.55E-04	7.78E-05	7.38E-05	1.52E-04	7.67E-05	7.28E-05	1.50E-04
4676 481863.09, 3860377.25	0.0021	0.00198	3.19E-04	3.13E-04	3.01E-04	3.08E-04	2.90E-04	8.45E-05	7.97E-05	1.64E-04	8.25E-05	7.78E-05	1.60E-04	8.14E-05	7.67E-05	1.58E-04
4677 482363.09, 3860377.25	0.0022	0.00206	3.34E-04	3.26E-04	3.15E-04	3.23E-04	3.04E-04	8.85E-05	8.29E-05	1.71E-04	8.64E-05	8.09E-05	1.67E-04	8.52E-05	7.98E-05	1.65E-04
4678 482863.09, 3860377.25	0.00228	0.00214	3.46E-04	3.39E-04	3.26E-04	3.34E-04	3.15E-04	9.18E-05	8.61E-05	1.78E-04	8.95E-05	8.40E-05	1.74E-04	8.83E-05	8.29E-05	1.71E-04
4679 483363.09, 3860377.25	0.00242	0.00225	3.68E-04	3.56E-04	3.46E-04	3.55E-04	3.35E-04	9.74E-05	9.05E-05	1.88E-04	9.50E-05	8.84E-05	1.83E-04	9.38E-05	8.72E-05	1.81E-04
4680 483863.09, 3860377.25	0.00254	0.00235	3.86E-04	3.72E-04	3.64E-04	3.72E-04	3.51E-04	1.02E-04	9.46E-05	1.97E-04	9.97E-05	9.23E-05	1.92E-04	9.84E-05	9.11E-05	1.89E-04
4681 484363.09, 3860377.25	0.00269	0.00247	4.09E-04	3.91E-04	3.85E-04	3.94E-04	3.72E-04	1.08E-04	9.94E-05	2.08E-04	1.06E-04	9.70E-05	2.03E-04	1.04E-04	9.57E-05	2.00E-04
4682 484863.09, 3860377.25	0.00282	0.0026	4.29E-04	4.12E-04	4.04E-04	4.13E-04	3.90E-04	1.13E-04	1.05E-04	2.18E-04	1.11E-04	1.02E-04	2.13E-04	1.09E-04	1.01E-04	2.10E-04

4683 485363.09, 3860377.25	0.00298	0.00276	4.53E-04	4.37E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.11E-04	2.31E-04	1.17E-04	1.08E-04	2.25E-04	1.15E-04	1.07E-04	2.22E-04
4684 485863.09, 3860377.25	0.00322	0.00296	4.89E-04	4.69E-04	4.61E-04	4.72E-04	4.45E-04	1.30E-04	1.19E-04	2.49E-04	1.26E-04	1.16E-04	2.43E-04	1.25E-04	1.15E-04	2.39E-04
4685 486363.09, 3860377.25	0.00351	0.00322	5.33E-04	5.10E-04	5.02E-04	5.15E-04	4.85E-04	1.41E-04	1.30E-04	2.71E-04	1.38E-04	1.26E-04	2.64E-04	1.36E-04	1.25E-04	2.61E-04
4686 486863.09, 3860377.25	0.00383	0.00352	5.82E-04	5.57E-04	5.48E-04	5.62E-04	5.30E-04	1.54E-04	1.42E-04	2.96E-04	1.50E-04	1.38E-04	2.89E-04	1.48E-04	1.36E-04	2.85E-04
4687 487363.09, 3860377.25	0.00422	0.00388	6.41E-04	6.14E-04	6.04E-04	6.19E-04	5.84E-04	1.70E-04	1.56E-04	3.26E-04	1.66E-04	1.52E-04	3.18E-04	1.64E-04	1.50E-04	3.14E-04
4688 487863.09, 3860377.25	0.00474	0.0044	7.20E-04	6.97E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.77E-04	3.68E-04	1.86E-04	1.73E-04	3.59E-04	1.84E-04	1.70E-04	3.54E-04
4689 488363.09, 3860377.25	0.00533	0.00503	8.10E-04	7.96E-04	7.63E-04	7.82E-04	7.37E-04	2.14E-04	2.02E-04	4.17E-04	2.09E-04	1.98E-04	4.07E-04	2.07E-04	1.95E-04	4.01E-04
4690 488863.09, 3860377.25	0.00611	0.00587	9.28E-04	9.29E-04	8.75E-04	8.96E-04	8.45E-04	2.46E-04	2.36E-04	4.82E-04	2.40E-04	2.31E-04	4.70E-04	2.37E-04	2.27E-04	4.64E-04
4691 489363.09, 3860377.25	0.00719	0.00697	1.09E-03	1.10E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	2.80E-04	5.70E-04	2.82E-04	2.74E-04	5.56E-04	2.79E-04	2.70E-04	5.49E-04
4692 489863.09, 3860377.25	0.00864	0.00845	1.31E-03	1.34E-03	1.24E-03	1.27E-03	1.19E-03	3.48E-04	3.40E-04	6.88E-04	3.39E-04	3.32E-04	6.71E-04	3.35E-04	3.27E-04	6.62E-04
4693 490363.09, 3860377.25	0.01108	0.01088	1.68E-03	1.72E-03	1.59E-03	1.62E-03	1.53E-03	4.46E-04	4.38E-04	8.84E-04	4.35E-04	4.27E-04	8.62E-04	4.29E-04	4.22E-04	8.51E-04
4694 490863.09, 3860377.25	0.01676	0.01654	2.55E-03	2.62E-03	2.40E-03	2.46E-03	2.32E-03	6.74E-04	6.66E-04	1.34E-03	6.58E-04	6.50E-04	1.31E-03	6.49E-04	6.41E-04	1.29E-03
4695 491363.09, 3860377.25	0.05062	0.04944	7.69E-03	7.83E-03	7.25E-03	7.42E-03	7.00E-03	2.04E-03	1.99E-03	4.03E-03	1.99E-03	1.94E-03	3.93E-03	1.96E-03	1.92E-03	3.88E-03
4696 491863.09, 3860377.25	0.08681	0.08952	1.32E-02	1.42E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.60E-03	7.10E-03	3.41E-03	3.52E-03	6.92E-03	3.36E-03	3.47E-03	6.83E-03
4697 492363.09, 3860377.25	0.03491	0.03533	5.30E-03	5.59E-03	5.00E-03	5.12E-03	4.83E-03	1.40E-03	1.42E-03	2.83E-03	1.37E-03	1.39E-03	2.76E-03	1.35E-03	1.37E-03	2.72E-03
4698 492863.09, 3860377.25	0.02346	0.02349	3.56E-03	3.72E-03	3.36E-03	3.44E-03	3.24E-03	9.44E-04	9.45E-04	1.89E-03	9.21E-04	9.22E-04	1.84E-03	9.09E-04	9.10E-04	1.82E-03
4699 493363.09, 3860377.25	0.01696	0.01689	2.58E-03	2.67E-03	2.43E-03	2.49E-03	2.35E-03	6.83E-04	6.80E-04	1.36E-03	6.66E-04	6.63E-04	1.33E-03	6.57E-04	6.54E-04	1.31E-03
4700 493863.09, 3860377.25	0.01456	0.01444	2.21E-03	2.29E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	5.81E-04	1.17E-03	5.72E-04	5.67E-04	1.14E-03	5.64E-04	5.60E-04	1.12E-03
4701 494363.09, 3860377.25	0.01218	0.01203	1.85E-03	1.90E-03	1.74E-03	1.79E-03	1.68E-03	4.90E-04	4.84E-04	9.74E-04	4.78E-04	4.72E-04	9.51E-04	4.72E-04	4.66E-04	9.38E-04
4702 494863.09, 3860377.25	0.01122	0.01104	1.70E-03	1.75E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	4.44E-04	8.96E-04	4.41E-04	4.34E-04	8.74E-04	4.35E-04	4.28E-04	8.63E-04
4703 495363.09, 3860377.25	0.00991	0.00973	1.51E-03	1.54E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	3.92E-04	7.90E-04	3.89E-04	3.82E-04	7.71E-04	3.84E-04	3.77E-04	7.61E-04
4704 495863.09, 3860377.25	0.0084	0.00825	1.28E-03	1.31E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.32E-04	6.70E-04	3.30E-04	3.24E-04	6.54E-04	3.25E-04	3.20E-04	6.45E-04
4705 496363.09, 3860377.25	0.00732	0.00721	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.90E-04	5.85E-04	2.87E-04	2.83E-04	5.71E-04	2.84E-04	2.79E-04	5.63E-04
4706 496863.09, 3860377.25	0.00662	0.00654	1.01E-03	1.04E-03	9.48E-04	9.71E-04	9.16E-04	2.66E-04	2.63E-04	5.30E-04	2.60E-04	2.57E-04	5.17E-04	2.57E-04	2.53E-04	5.10E-04
4707 497363.09, 3860377.25	0.0059	0.00586	8.97E-04	9.28E-04	8.45E-04	8.65E-04	8.16E-04	2.37E-04	2.36E-04	4.73E-04	2.32E-04	2.30E-04	4.62E-04	2.29E-04	2.27E-04	4.56E-04
4708 497863.09, 3860377.25	0.00626	0.00619	9.51E-04	9.80E-04	8.96E-04	9.18E-04	8.66E-04	2.52E-04	2.49E-04	5.01E-04	2.46E-04	2.43E-04	4.89E-04	2.43E-04	2.40E-04	4.82E-04
4709 498363.09, 3860377.25	0.00667	0.00657	1.01E-03	1.04E-03	9.55E-04	9.78E-04	9.23E-04	2.68E-04	2.64E-04	5.33E-04	2.62E-04	2.58E-04	5.20E-04	2.58E-04	2.55E-04	5.13E-04
4710 471363.09, 3860877.25	0.00107	0.00106	1.63E-04	1.68E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.27E-05	8.57E-05	4.20E-05	4.16E-05	8.36E-05	4.15E-05	4.11E-05	8.25E-05
4711 471863.09, 3860877.25	0.00109	0.00108	1.66E-04	1.71E-04	1.56E-04	1.60E-04	1.51E-04	4.39E-05	4.35E-05	8.73E-05	4.28E-05	4.24E-05	8.52E-05	4.22E-05	4.18E-05	8.41E-05
4712 472363.09, 3860877.25	0.00112	0.0011	1.70E-04	1.74E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.43E-05	8.93E-05	4.40E-05	4.32E-05	8.72E-05	4.34E-05	4.26E-05	8.60E-05
4713 472863.09, 3860877.25	0.00114	0.00113	1.73E-04	1.79E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.55E-05	9.14E-05	4.48E-05	4.44E-05	8.91E-05	4.42E-05	4.38E-05	8.80E-05
4714 473363.09, 3860877.25	0.00117	0.00115	1.78E-04	1.82E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.63E-05	9.34E-05	4.59E-05	4.52E-05	9.11E-05	4.53E-05	4.46E-05	8.99E-05
4715 473863.09, 3860877.25	0.00119	0.00117	1.81E-04	1.85E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.71E-05	9.50E-05	4.67E-05	4.59E-05	9.27E-05	4.61E-05	4.53E-05	9.14E-05
4716 474363.09, 3860877.25	0.00121	0.00119	1.84E-04	1.88E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	4.79E-05	9.66E-05	4.75E-05	4.67E-05	9.42E-05	4.69E-05	4.61E-05	9.30E-05
4717 474863.09, 3860877.25	0.00123	0.00121	1.87E-04	1.92E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.87E-05	9.82E-05	4.83E-05	4.75E-05	9.58E-05	4.77E-05	4.69E-05	9.45E-05
4718 475363.09, 3860877.25	0.00122	0.00121	1.85E-04	1.92E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.87E-05	9.78E-05	4.79E-05	4.75E-05	9.54E-05	4.73E-05	4.69E-05	9.42E-05
4719 475863.09, 3860877.25	0.00119	0.0012	1.81E-04	1.90E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.83E-05	9.62E-05	4.67E-05	4.71E-05	9.39E-05	4.61E-05	4.65E-05	9.26E-05
4720 476363.09, 3860877.25	0.00113	0.00116	1.72E-04	1.84E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.67E-05	9.22E-05	4.44E-05	4.56E-05	8.99E-05	4.38E-05	4.49E-05	8.87E-05
4721 476863.09, 3860877.25	0.00111	0.00114	1.69E-04	1.80E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.59E-05	9.05E-05	4.36E-05	4.48E-05	8.84E-05	4.30E-05	4.42E-05	8.72E-05
4722 477363.09, 3860877.25	0.00112	0.00116	1.70E-04	1.84E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.67E-05	9.18E-05	4.40E-05	4.56E-05	8.95E-05	4.34E-05	4.49E-05	8.83E-05
4723 477863.09, 3860877.25	0.00107	0.00111	1.63E-04	1.76E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.47E-05	8.77E-05	4.20E-05	4.36E-05	8.56E-05	4.15E-05	4.30E-05	8.45E-05
4724 478363.09, 3860877.25	0.00094	0.00096	1.43E-04	1.52E-04	1.35E-04	1.38E-04	1.30E-04	3.78E-05	3.86E-05	7.65E-05	3.69E-05	3.77E-05	7.46E-05	3.64E-05	3.72E-05	7.36E-05
4725 478863.09, 3860877.25	0.0012	0.00123	1.82E-04	1.95E-04	1.72E-04	1.76E-04	1.66E-04	4.83E-05	4.95E-05	9.78E-05	4.71E-05	4.83E-05	9.54E-05	4.65E-05	4.77E-05	9.42E-05
4726 479363.09, 3860877.25	0.00141	0.00141	2.14E-04	2.23E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.67E-05	1.13E-04	5.54E-05	5.54E-05	1.11E-04	5.46E-05	5.46E-05	1.09E-04
4727 479863.09, 3860877.25	0.00157	0.00154	2.39E-04	2.44E-04	2.25E-04	2.30E-04	2.17E-04	6.32E-05	6.20E-05	1.25E-04	6.17E-05	6.05E-05	1.22E-04	6.08E-05	5.97E-05	1.21E-04
4728 480363.09, 3860877.25	0.0017	0.00164	2.58E-04	2.60E-04	2.43E-04	2.49E-04	2.35E-04	6.84E-05	6.60E-05	1.34E-04	6.68E-05	6.44E-05	1.31E-04	6.59E-05	6.35E-05	1.29E-04
4729 480863.09, 3860877.25	0.00178	0.00171	2.70E-04	2.71E-04	2.55E-04	2.61E-04	2.46E-04	7.16E-05	6.88E-05	1.40E-04	6.99E-05	6.72E-05	1.37E-04	6.90E-05	6.63E-05	1.35E-04
4730 481363.09, 3860877.25	0.00186	0.00178	2.83E-04	2.82E-04	2.66E-04	2.73E-04	2.57E-04	7.49E-05	7.16E-05	1.46E-04	7.30E-05	6.99E-05	1.43E-04	7.21E-05	6.90E-05	1.41E-04
4731 481863.09, 3860877.25	0.00195	0.00185	2.96E-04	2.93E-04	2.79E-04	2.86E-04	2.70E-04	7.85E-05	7.44E-05	1.53E-04	7.66E-05	7.26E-05	1.49E-04	7.56E-05	7.17E-05	1.47E-04
4732 482363.09, 3860877.25	0.00205	0.00192	3.12E-04	3.04E-04	2.93E-04	3.01E-04	2.84E-04	8.25E-05	7.73E-05	1.60E-04	8.05E-05	7.54E-05	1.56E-04	7.94E-05	7.44E-05	1.54E-04
4733 482863.09, 3860877.25	0.00211	0.00199	3.21E-04	3.15E-04	3.02E-04	3.09E-04	2.92E-04	8.49E-05	8.01E-05	1.65E-04	8.29E-05	7.81E-05	1.61E-04	8.18E-05	7.71E-05	1.59E-04
4734 483363.09, 3860877.25	0.00221	0.00208	3.36E-04	3.29E-04	3.16E-04	3.24E-04	3.06E-04	8.89E-05	8.37E-05	1.73E-04	8.68E-05	8.17E-05	1.68E-04	8.56E-05	8.06E-05	1.66E-04
4735 483863.09, 3860877.25	0.00232	0.00218	3.53E-04	3.45E-04	3.32E-04	3.40E-04	3.21E-04	9.34E-05	8.77E-05	1.81E-04	9.11E-05	8.56E-05	1.77E-04	8.99E-05	8.45E-05	1.74E-04
4736 484363.09, 3860877.25	0.00245	0.00229	3.72E-04	3.63E-04	3.51E-04	3.59E-04	3.39E-04	9.86E-05	9.22E-05	1.91E-04	9.62E-05	8.99E-05	1.86E-04	9.49E-05	8.87E-05	1.84E-04
4737 484863.09, 3860877.25	0.00255	0.00239	3.87E-04	3.78E-04	3.65E-04	3.74E-04	3.53E-04	1.03E-04	9.62E-05	1.99E-04	1.00E-04	9.39E-05	1.94E-04	9.88E-05	9.26E-05	1.91E-04
4738 485363.09, 3860877.25	0.00267	0.00252	4.06E-04	3.99E-04	3.82E-04	3.91E-04	3.69E-04	1.07E-04	1.01E-04	2.09E-04	1.05E-04	9.90E-05	2.04E-04	1.03E-04	9.76E-05	2.01E-04
4739 485863.09, 3860877.25	0.00285	0.00269	4.33E-04	4.26E-04	4.08E-04	4.18E-04	3.94E-04	1.15E-04	1.08E-04	2.23E-04	1.12E-04	1.06E-04	2.18E-04	1.10E-04	1.04E-04	2.15E-04
4740 486363.09, 3860877.25	0.00305	0.00287	4.63E-04	4.54E-04	4.37E-04	4.47E-04	4.22E-04	1.23E-04	1.15E-04	2.38E-04	1.20E-04	1.13E-04	2.32E-04	1.18E-04	1.11E-04	2.29E-04
4741 486863.09, 3860877.25	0.00329	0.00309	5.00E-04	4.89E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.24E-04	2.57E-04	1.29E-04	1.21E-04	2.51E-04	1.27E-04	1.20E-04	2.47E-04
4742 487363.09, 3860877.25	0.00355	0.00332	5.39E-04	5.26E-04	5.08E-04	5.21E-04	4.91E-04	1.43E-04	1.34E-04	2.76E-04	1.39E-04	1.30E-04	2.70E-04	1.38E-04	1.29E-04	2.66E-04
4743 487863.09, 3860877.25	0.00385	0.00361	5.85E-04	5.72E-04	5.51E-04	5.65E-04	5.32E-04	1.55E-04	1.45E-04	3.00E-04	1.51E-04	1.42E-04	2.93E-04	1.49E-04	1.40E-04	2.89E-04
4744 488363.09, 3860877.25	0.00424	0.00401	6.44E-04	6.35E-04	6.07E-04	6.22E-04	5.86E-04	1.71E-04	1.61E-04	3.32E-04	1.67E-04	1.57E-04	3.24E-04	1.64E-04	1.55E-04	3.20E-04
4745 488863.09, 3860877.25	0.00462	0.00444	7.02E-04	7.03E-04	6.61E-04	6.77E-04	6.39E-04	1.86E-04	1.79E-04	3.65E-04	1.81E-04	1.74E-04	3.56E-04	1.79E-04	1.72E-04	3.51E-04
4746 489363.09, 3860877.25	0.00516	0.00504	7.84E-04	7.98E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.03E-04	4.10E-04	2.03E-04	1.98E-04	4.01E-04	2.00E-04	1.95E-04	3.95E-04
4747 489863.09, 3860877.25	0.00593	0.00583	9.01E-04	9.23E-04	8.49E-04	8.70E-04	8.20E-04	2.39E-04	2.35E-04	4.73E-04	2.33E-04	2.29E-04	4.62E-04	2.30E-04	2.26E-04	4.56E-04
4748 490363.09, 3860877.25	0.00715	0.00701	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.89E-04	2.88E-04	2.82E-04	5.70E-04	2.81E-04	2.75E-04	5.56E-04	2.77E-04	2.72E-04	5.49E-04

4749 490863.09, 3860877.25	0.00917	0.00904	1.39E-03	1.43E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	3.64E-04	7.33E-04	3.60E-04	3.55E-04	7.15E-04	3.55E-04	3.50E-04	7.06E-04
4750 491363.09, 3860877.25	0.0132	0.01305	2.01E-03	2.07E-03	1.89E-03	1.94E-03	1.83E-03	5.31E-04	5.25E-04	1.06E-03	5.18E-04	5.12E-04	1.03E-03	5.11E-04	5.06E-04	1.02E-03
4751 491863.09, 3860877.25	0.02875	0.02836	4.37E-03	4.49E-03	4.12E-03	4.22E-03	3.98E-03	1.16E-03	1.14E-03	2.30E-03	1.13E-03	1.11E-03	2.24E-03	1.11E-03	1.10E-03	2.21E-03
4752 492363.09, 3860877.25	0.15394	0.15526	2.34E-02	2.46E-02	2.20E-02	2.26E-02	2.13E-02	6.20E-03	6.25E-03	1.24E-02	6.05E-03	6.10E-03	1.21E-02	5.96E-03	6.02E-03	1.20E-02
4753 492863.09, 3860877.25	0.04528	0.04547	6.88E-03	7.20E-03	6.48E-03	6.64E-03	6.26E-03	1.82E-03	1.83E-03	3.65E-03	1.78E-03	1.79E-03	3.56E-03	1.75E-03	1.76E-03	3.52E-03
4754 493363.09, 3860877.25	0.02856	0.02865	4.34E-03	4.54E-03	4.09E-03	4.19E-03	3.95E-03	1.15E-03	1.15E-03	2.30E-03	1.12E-03	1.13E-03	2.25E-03	1.11E-03	1.11E-03	2.22E-03
4755 493863.09, 3860877.25	0.02233	0.02232	3.39E-03	3.53E-03	3.20E-03	3.27E-03	3.09E-03	8.99E-04	8.98E-04	1.80E-03	8.77E-04	8.77E-04	1.75E-03	8.65E-04	8.65E-04	1.73E-03
4756 494363.09, 3860877.25	0.0188	0.01873	2.86E-03	2.97E-03	2.69E-03	2.76E-03	2.60E-03	7.57E-04	7.54E-04	1.51E-03	7.38E-04	7.36E-04	1.47E-03	7.28E-04	7.26E-04	1.45E-03
4757 494863.09, 3860877.25	0.01611	0.01602	2.45E-03	2.54E-03	2.31E-03	2.36E-03	2.23E-03	6.48E-04	6.45E-04	1.29E-03	6.33E-04	6.29E-04	1.26E-03	6.24E-04	6.21E-04	1.24E-03
4758 495363.09, 3860877.25	0.01408	0.01398	2.14E-03	2.21E-03	2.02E-03	2.06E-03	1.95E-03	5.67E-04	5.63E-04	1.13E-03	5.53E-04	5.49E-04	1.10E-03	5.46E-04	5.42E-04	1.09E-03
4759 495863.09, 3860877.25	0.01276	0.01265	1.94E-03	2.00E-03	1.83E-03	1.87E-03	1.76E-03	5.14E-04	5.09E-04	1.02E-03	5.01E-04	4.97E-04	9.98E-04	4.94E-04	4.90E-04	9.85E-04
4760 496363.09, 3860877.25	0.01092	0.0108	1.66E-03	1.71E-03	1.56E-03	1.60E-03	1.51E-03	4.39E-04	4.35E-04	8.74E-04	4.29E-04	4.24E-04	8.53E-04	4.23E-04	4.18E-04	8.42E-04
4761 496863.09, 3860877.25	0.0089	0.0088	1.35E-03	1.39E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.54E-04	7.12E-04	3.50E-04	3.46E-04	6.95E-04	3.45E-04	3.41E-04	6.86E-04
4762 497363.09, 3860877.25	0.00835	0.00825	1.27E-03	1.31E-03	1.20E-03	1.22E-03	1.15E-03	3.36E-04	3.32E-04	6.68E-04	3.28E-04	3.24E-04	6.52E-04	3.24E-04	3.20E-04	6.43E-04
4763 497863.09, 3860877.25	0.00765	0.00756	1.16E-03	1.20E-03	1.10E-03	1.12E-03	1.06E-03	3.08E-04	3.04E-04	6.12E-04	3.00E-04	2.97E-04	5.97E-04	2.96E-04	2.93E-04	5.89E-04
4764 498363.09, 3860877.25	0.00773	0.00764	1.17E-03	1.21E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.07E-04	6.19E-04	3.04E-04	3.00E-04	6.04E-04	3.00E-04	2.96E-04	5.96E-04
4765 471363.09, 3861377.25	0.00105	0.00104	1.60E-04	1.65E-04	1.50E-04	1.54E-04	1.45E-04	4.23E-05	4.19E-05	8.41E-05	4.12E-05	4.08E-05	8.21E-05	4.07E-05	4.03E-05	8.10E-05
4766 471863.09, 3861377.25	0.00107	0.00106	1.63E-04	1.68E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.27E-05	8.57E-05	4.20E-05	4.16E-05	8.36E-05	4.15E-05	4.11E-05	8.25E-05
4767 472363.09, 3861377.25	0.00109	0.00108	1.66E-04	1.71E-04	1.56E-04	1.60E-04	1.51E-04	4.39E-05	4.35E-05	8.73E-05	4.28E-05	4.24E-05	8.52E-05	4.22E-05	4.18E-05	8.41E-05
4768 472863.09, 3861377.25	0.00112	0.0011	1.70E-04	1.74E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.43E-05	8.93E-05	4.40E-05	4.32E-05	8.72E-05	4.34E-05	4.26E-05	8.60E-05
4769 473363.09, 3861377.25	0.00114	0.00112	1.73E-04	1.77E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.51E-05	9.09E-05	4.48E-05	4.40E-05	8.87E-05	4.42E-05	4.34E-05	8.76E-05
4770 473863.09, 3861377.25	0.00116	0.00114	1.76E-04	1.80E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.59E-05	9.26E-05	4.56E-05	4.48E-05	9.03E-05	4.49E-05	4.42E-05	8.91E-05
4771 474363.09, 3861377.25	0.00118	0.00116	1.79E-04	1.84E-04	1.69E-04	1.73E-04	1.63E-04	4.75E-05	4.67E-05	9.42E-05	4.63E-05	4.56E-05	9.19E-05	4.57E-05	4.49E-05	9.07E-05
4772 474863.09, 3861377.25	0.0012	0.00118	1.82E-04	1.87E-04	1.72E-04	1.76E-04	1.66E-04	4.83E-05	4.75E-05	9.58E-05	4.71E-05	4.63E-05	9.35E-05	4.65E-05	4.57E-05	9.22E-05
4773 475363.09, 3861377.25	0.00123	0.0012	1.87E-04	1.90E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.83E-05	9.78E-05	4.83E-05	4.71E-05	9.54E-05	4.77E-05	4.65E-05	9.42E-05
4774 475863.09, 3861377.25	0.00124	0.00122	1.88E-04	1.93E-04	1.78E-04	1.82E-04	1.72E-04	4.99E-05	4.91E-05	9.90E-05	4.87E-05	4.79E-05	9.66E-05	4.80E-05	4.73E-05	9.53E-05
4775 476363.09, 3861377.25	0.00123	0.00122	1.87E-04	1.93E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.91E-05	9.86E-05	4.83E-05	4.79E-05	9.62E-05	4.77E-05	4.73E-05	9.49E-05
4776 476863.09, 3861377.25	0.00122	0.00122	1.85E-04	1.93E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.91E-05	9.82E-05	4.79E-05	4.79E-05	9.58E-05	4.73E-05	4.73E-05	9.45E-05
4777 477363.09, 3861377.25	0.00123	0.00123	1.87E-04	1.95E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.95E-05	9.90E-05	4.83E-05	4.83E-05	9.66E-05	4.77E-05	4.77E-05	9.53E-05
4778 477863.09, 3861377.25	0.00113	0.00116	1.72E-04	1.84E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.67E-05	9.22E-05	4.44E-05	4.56E-05	8.99E-05	4.38E-05	4.49E-05	8.87E-05
4779 478363.09, 3861377.25	0.00095	0.00098	1.44E-04	1.55E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.94E-05	7.77E-05	3.73E-05	3.85E-05	7.58E-05	3.68E-05	3.80E-05	7.48E-05
4780 478863.09, 3861377.25	0.00102	0.00106	1.55E-04	1.68E-04	1.46E-04	1.50E-04	1.41E-04	4.10E-05	4.27E-05	8.37E-05	4.01E-05	4.16E-05	8.17E-05	3.95E-05	4.11E-05	8.06E-05
4781 479363.09, 3861377.25	0.00131	0.00133	1.99E-04	2.11E-04	1.88E-04	1.92E-04	1.81E-04	5.27E-05	5.35E-05	1.06E-04	5.14E-05	5.22E-05	1.04E-04	5.08E-05	5.15E-05	1.02E-04
4782 479863.09, 3861377.25	0.00148	0.00146	2.25E-04	2.31E-04	2.12E-04	2.17E-04	2.05E-04	5.96E-05	5.88E-05	1.18E-04	5.81E-05	5.73E-05	1.15E-04	5.73E-05	5.66E-05	1.14E-04
4783 480363.09, 3861377.25	0.00161	0.00156	2.45E-04	2.47E-04	2.30E-04	2.36E-04	2.23E-04	6.48E-05	6.28E-05	1.28E-04	6.32E-05	6.13E-05	1.24E-04	6.24E-05	6.04E-05	1.23E-04
4784 480863.09, 3861377.25	0.00169	0.00162	2.57E-04	2.56E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.52E-05	1.33E-04	6.64E-05	6.36E-05	1.30E-04	6.55E-05	6.28E-05	1.28E-04
4785 481363.09, 3861377.25	0.00176	0.00168	2.67E-04	2.66E-04	2.52E-04	2.58E-04	2.43E-04	7.08E-05	6.76E-05	1.38E-04	6.91E-05	6.60E-05	1.35E-04	6.82E-05	6.51E-05	1.33E-04
4786 481863.09, 3861377.25	0.00184	0.00174	2.80E-04	2.75E-04	2.63E-04	2.70E-04	2.54E-04	7.40E-05	7.00E-05	1.44E-04	7.23E-05	6.83E-05	1.41E-04	7.13E-05	6.74E-05	1.39E-04
4787 482363.09, 3861377.25	0.00191	0.0018	2.90E-04	2.85E-04	2.73E-04	2.80E-04	2.64E-04	7.69E-05	7.24E-05	1.49E-04	7.50E-05	7.07E-05	1.46E-04	7.40E-05	6.97E-05	1.44E-04
4788 482863.09, 3861377.25	0.00196	0.00186	2.98E-04	2.94E-04	2.81E-04	2.87E-04	2.71E-04	7.89E-05	7.49E-05	1.54E-04	7.70E-05	7.30E-05	1.50E-04	7.59E-05	7.21E-05	1.48E-04
4789 483363.09, 3861377.25	0.00204	0.00193	3.10E-04	3.06E-04	2.92E-04	2.99E-04	2.82E-04	8.21E-05	7.77E-05	1.60E-04	8.01E-05	7.58E-05	1.56E-04	7.90E-05	7.48E-05	1.54E-04
4790 483863.09, 3861377.25	0.00212	0.00201	3.22E-04	3.18E-04	3.03E-04	3.11E-04	2.93E-04	8.53E-05	8.09E-05	1.66E-04	8.33E-05	7.89E-05	1.62E-04	8.21E-05	7.79E-05	1.60E-04
4791 484363.09, 3861377.25	0.00221	0.0021	3.36E-04	3.32E-04	3.16E-04	3.24E-04	3.06E-04	8.89E-05	8.45E-05	1.73E-04	8.68E-05	8.25E-05	1.69E-04	8.56E-05	8.14E-05	1.67E-04
4792 484863.09, 3861377.25	0.0023	0.00219	3.49E-04	3.47E-04	3.29E-04	3.37E-04	3.18E-04	9.26E-05	8.81E-05	1.81E-04	9.03E-05	8.60E-05	1.76E-04	8.91E-05	8.49E-05	1.74E-04
4793 485363.09, 3861377.25	0.00238	0.00227	3.62E-04	3.59E-04	3.41E-04	3.49E-04	3.29E-04	9.58E-05	9.14E-05	1.87E-04	9.35E-05	8.91E-05	1.83E-04	9.22E-05	8.80E-05	1.80E-04
4794 485863.09, 3861377.25	0.00249	0.00239	3.78E-04	3.78E-04	3.56E-04	3.65E-04	3.44E-04	1.00E-04	9.62E-05	1.96E-04	9.78E-05	9.39E-05	1.92E-04	9.65E-05	9.26E-05	1.89E-04
4795 486363.09, 3861377.25	0.00265	0.00253	4.03E-04	4.01E-04	3.79E-04	3.89E-04	3.67E-04	1.07E-04	1.02E-04	2.08E-04	1.04E-04	9.94E-05	2.03E-04	1.03E-04	9.80E-05	2.01E-04
4796 486863.09, 3861377.25	0.00284	0.0027	4.32E-04	4.27E-04	4.07E-04	4.16E-04	3.93E-04	1.14E-04	1.09E-04	2.23E-04	1.12E-04	1.06E-04	2.18E-04	1.10E-04	1.05E-04	2.15E-04
4797 487363.09, 3861377.25	0.00304	0.00288	4.62E-04	4.56E-04	4.35E-04	4.46E-04	4.20E-04	1.22E-04	1.16E-04	2.38E-04	1.19E-04	1.13E-04	2.32E-04	1.18E-04	1.12E-04	2.29E-04
4798 487863.09, 3861377.25	0.00326	0.00309	4.95E-04	4.89E-04	4.67E-04	4.78E-04	4.51E-04	1.31E-04	1.24E-04	2.56E-04	1.28E-04	1.21E-04	2.49E-04	1.26E-04	1.20E-04	2.46E-04
4799 488363.09, 3861377.25	0.00352	0.00333	5.35E-04	5.27E-04	5.04E-04	5.16E-04	4.87E-04	1.42E-04	1.34E-04	2.76E-04	1.38E-04	1.31E-04	2.69E-04	1.36E-04	1.29E-04	2.65E-04
4800 488863.09, 3861377.25	0.00381	0.00365	5.79E-04	5.78E-04	5.45E-04	5.59E-04	5.27E-04	1.53E-04	1.47E-04	3.00E-04	1.50E-04	1.43E-04	2.93E-04	1.48E-04	1.41E-04	2.89E-04
4801 489363.09, 3861377.25	0.00412	0.00401	6.26E-04	6.35E-04	5.90E-04	6.04E-04	5.70E-04	1.66E-04	1.61E-04	3.27E-04	1.62E-04	1.57E-04	3.19E-04	1.60E-04	1.55E-04	3.15E-04
4802 489863.09, 3861377.25	0.00456	0.0045	6.93E-04	7.12E-04	6.53E-04	6.69E-04	6.31E-04	1.84E-04	1.81E-04	3.65E-04	1.79E-04	1.77E-04	3.56E-04	1.77E-04	1.74E-04	3.51E-04
4803 490363.09, 3861377.25	0.0052	0.00514	7.90E-04	8.14E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.07E-04	4.16E-04	2.04E-04	2.02E-04	4.06E-04	2.01E-04	1.99E-04	4.01E-04
4804 490863.09, 3861377.25	0.00615	0.00604	9.35E-04	9.56E-04	8.80E-04	9.02E-04	8.51E-04	2.47E-04	2.43E-04	4.91E-04	2.42E-04	2.37E-04	4.79E-04	2.38E-04	2.34E-04	4.72E-04
4805 491363.09, 3861377.25	0.00764	0.00756	1.16E-03	1.20E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.04E-04	6.12E-04	3.00E-04	2.97E-04	5.97E-04	2.96E-04	2.93E-04	5.89E-04
4806 491863.09, 3861377.25	0.01054	0.01051	1.60E-03	1.66E-03	1.51E-03	1.55E-03	1.46E-03	4.24E-04	4.23E-04	8.47E-04	4.14E-04	4.13E-04	8.27E-04	4.08E-04	4.07E-04	8.16E-04
4807 492363.09, 3861377.25	0.01854	0.01844	2.82E-03	2.92E-03	2.65E-03	2.72E-03	2.56E-03	7.46E-04	7.42E-04	1.49E-03	7.28E-04	7.24E-04	1.45E-03	7.18E-04	7.15E-04	1.43E-03
4808 492863.09, 3861377.25	0.06443	0.06393	9.79E-03	1.01E-02	9.22E-03	9.45E-03	8.91E-03	2.59E-03	2.57E-03	5.17E-03	2.53E-03	2.51E-03	5.04E-03	2.50E-03	2.48E-03	4.97E-03
4809 493363.09, 3861377.25	0.28892	0.27311	4.39E-02	4.32E-02	4.14E-02	4.24E-02	4.00E-02	1.16E-02	1.10E-02	2.26E-02	1.13E-02	1.07E-02	2.21E-02	1.12E-02	1.06E-02	2.18E-02
4810 493863.09, 3861377.25	0.08613	0.08487	1.31E-02	1.34E-02	1.23E-02	1.26E-02	1.19E-02	3.47E-03	3.42E-03	6.88E-03	3.38E-03	3.33E-03	6.72E-03	3.34E-03	3.29E-03	6.63E-03
4811 494363.09, 3861377.25	0.04979	0.04958	7.57E-03	7.85E-03	7.13E-03	7.30E-03	6.89E-03	2.00E-03	2.00E-03	4.00E-03	1.96E-03	1.95E-03	3.90E-03	1.93E-03	1.92E-03	3.85E-03
4812 494863.09, 3861377.25	0.03496	0.03492	5.31E-03	5.53E-03	5.00E-03	5.13E-03	4.84E-03	1.41E-03	1.41E-03	2.81E-03	1.37E-03	1.37E-03	2.74E-03	1.35E-03	1.35E-03	2.71E-03
4813 495363.09, 3861377.25	0.02733	0.02732	4.15E-03	4.33E-03	3.91E-03	4.01E-03	3.78E-03	1.10E-03	1.10E-03	2.20E-03	1.07E-03	1.07E-03	2.15E-03	1.06E-03	1.06E-03	2.12E-03
4814 495863.09, 3861377.25	0.02279	0.02278	3.46E-03	3.61E-03	3.26E-03	3.34E-03	3.15E-03	9.17E-04	9.17E-04	1.83E-03	8.95E-04	8.95E-04	1.79E-03	8.83E-04	8.83E-04	1.77E-03

4815 496363.09, 3861377.25	0.01889	0.01887	2.87E-03	2.99E-03	2.70E-03	2.77E-03	2.61E-03	7.60E-04	7.59E-04	1.52E-03	7.42E-04	7.41E-04	1.48E-03	7.32E-04	7.31E-04	1.46E-03
4816 496863.09, 3861377.25	0.01479	0.01475	2.25E-03	2.34E-03	2.12E-03	2.17E-03	2.05E-03	5.95E-04	5.94E-04	1.19E-03	5.81E-04	5.79E-04	1.16E-03	5.73E-04	5.72E-04	1.14E-03
4817 497363.09, 3861377.25	0.01296	0.01291	1.97E-03	2.04E-03	1.86E-03	1.90E-03	1.79E-03	5.22E-04	5.20E-04	1.04E-03	5.09E-04	5.07E-04	1.02E-03	5.02E-04	5.00E-04	1.00E-03
4818 497863.09, 3861377.25	0.01153	0.01147	1.75E-03	1.82E-03	1.65E-03	1.69E-03	1.59E-03	4.64E-04	4.62E-04	9.26E-04	4.53E-04	4.50E-04	9.03E-04	4.47E-04	4.44E-04	8.91E-04
4819 498363.09, 3861377.25	0.01032	0.01026	1.57E-03	1.62E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	4.13E-04	8.28E-04	4.05E-04	4.03E-04	8.08E-04	4.00E-04	3.98E-04	7.97E-04
4820 471363.09, 3861877.25	0.00102	0.00101	1.55E-04	1.60E-04	1.46E-04	1.50E-04	1.41E-04	4.10E-05	4.06E-05	8.17E-05	4.01E-05	3.97E-05	7.97E-05	3.95E-05	3.91E-05	7.87E-05
4821 471863.09, 3861877.25	0.00104	0.00102	1.58E-04	1.61E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.10E-05	8.29E-05	4.08E-05	4.01E-05	8.09E-05	4.03E-05	3.95E-05	7.98E-05
4822 472363.09, 3861877.25	0.00106	0.00104	1.61E-04	1.65E-04	1.52E-04	1.55E-04	1.47E-04	4.27E-05	4.19E-05	8.45E-05	4.16E-05	4.08E-05	8.25E-05	4.11E-05	4.03E-05	8.14E-05
4823 472863.09, 3861877.25	0.00109	0.00106	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.39E-05	4.27E-05	8.65E-05	4.28E-05	4.16E-05	8.44E-05	4.22E-05	4.11E-05	8.33E-05
4824 473363.09, 3861877.25	0.00111	0.00108	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.35E-05	8.81E-05	4.36E-05	4.24E-05	8.60E-05	4.30E-05	4.18E-05	8.49E-05
4825 473863.09, 3861877.25	0.00113	0.0011	1.72E-04	1.74E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.43E-05	8.97E-05	4.44E-05	4.32E-05	8.76E-05	4.38E-05	4.26E-05	8.64E-05
4826 474363.09, 3861877.25	0.00115	0.00112	1.75E-04	1.77E-04	1.65E-04	1.69E-04	1.59E-04	4.63E-05	4.51E-05	9.14E-05	4.52E-05	4.40E-05	8.91E-05	4.46E-05	4.34E-05	8.80E-05
4827 474863.09, 3861877.25	0.00117	0.00114	1.78E-04	1.80E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.59E-05	9.30E-05	4.59E-05	4.48E-05	9.07E-05	4.53E-05	4.42E-05	8.95E-05
4828 475363.09, 3861877.25	0.00119	0.00116	1.81E-04	1.84E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.67E-05	9.46E-05	4.67E-05	4.56E-05	9.23E-05	4.61E-05	4.49E-05	9.11E-05
4829 475863.09, 3861877.25	0.00122	0.00119	1.85E-04	1.88E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.79E-05	9.70E-05	4.79E-05	4.67E-05	9.46E-05	4.73E-05	4.61E-05	9.34E-05
4830 476363.09, 3861877.25	0.00124	0.00121	1.88E-04	1.92E-04	1.78E-04	1.82E-04	1.72E-04	4.99E-05	4.87E-05	9.86E-05	4.87E-05	4.75E-05	9.62E-05	4.80E-05	4.69E-05	9.49E-05
4831 476863.09, 3861877.25	0.00125	0.00123	1.90E-04	1.95E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	4.95E-05	9.98E-05	4.91E-05	4.83E-05	9.74E-05	4.84E-05	4.77E-05	9.61E-05
4832 477363.09, 3861877.25	0.00125	0.00123	1.90E-04	1.95E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	4.95E-05	9.98E-05	4.91E-05	4.83E-05	9.74E-05	4.84E-05	4.77E-05	9.61E-05
4833 477863.09, 3861877.25	0.00111	0.00113	1.69E-04	1.79E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.55E-05	9.01E-05	4.36E-05	4.44E-05	8.80E-05	4.30E-05	4.38E-05	8.68E-05
4834 478363.09, 3861877.25	0.00088	0.0009	1.34E-04	1.42E-04	1.26E-04	1.29E-04	1.22E-04	3.54E-05	3.62E-05	7.16E-05	3.46E-05	3.53E-05	6.99E-05	3.41E-05	3.49E-05	6.90E-05
4835 478863.09, 3861877.25	0.00103	0.00107	1.57E-04	1.69E-04	1.47E-04	1.51E-04	1.42E-04	4.15E-05	4.31E-05	8.45E-05	4.04E-05	4.20E-05	8.25E-05	3.99E-05	4.15E-05	8.14E-05
4836 479363.09, 3861877.25	0.001	0.00105	1.52E-04	1.66E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	4.23E-05	8.25E-05	3.93E-05	4.12E-05	8.05E-05	3.87E-05	4.07E-05	7.94E-05
4837 479863.09, 3861877.25	0.00141	0.00139	2.14E-04	2.20E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.59E-05	1.13E-04	5.54E-05	5.46E-05	1.10E-04	5.46E-05	5.39E-05	1.08E-04
4838 480363.09, 3861877.25	0.00154	0.00149	2.34E-04	2.36E-04	2.20E-04	2.26E-04	2.13E-04	6.20E-05	6.00E-05	1.22E-04	6.05E-05	5.85E-05	1.19E-04	5.97E-05	5.77E-05	1.17E-04
4839 480863.09, 3861877.25	0.0016	0.00154	2.43E-04	2.44E-04	2.29E-04	2.35E-04	2.21E-04	6.44E-05	6.20E-05	1.26E-04	6.28E-05	6.05E-05	1.23E-04	6.20E-05	5.97E-05	1.22E-04
4840 481363.09, 3861877.25	0.00166	0.00159	2.52E-04	2.52E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.40E-05	1.31E-04	6.52E-05	6.24E-05	1.28E-04	6.43E-05	6.16E-05	1.26E-04
4841 481863.09, 3861877.25	0.00173	0.00165	2.63E-04	2.61E-04	2.48E-04	2.54E-04	2.39E-04	6.96E-05	6.64E-05	1.36E-04	6.79E-05	6.48E-05	1.33E-04	6.70E-05	6.39E-05	1.31E-04
4842 482363.09, 3861877.25	0.00179	0.0017	2.72E-04	2.69E-04	2.56E-04	2.62E-04	2.48E-04	7.20E-05	6.84E-05	1.40E-04	7.03E-05	6.68E-05	1.37E-04	6.94E-05	6.59E-05	1.35E-04
4843 482863.09, 3861877.25	0.00183	0.00175	2.78E-04	2.77E-04	2.62E-04	2.68E-04	2.53E-04	7.36E-05	7.04E-05	1.44E-04	7.19E-05	6.87E-05	1.41E-04	7.09E-05	6.78E-05	1.39E-04
4844 483363.09, 3861877.25	0.0019	0.00181	2.89E-04	2.87E-04	2.72E-04	2.79E-04	2.63E-04	7.65E-05	7.28E-05	1.49E-04	7.46E-05	7.11E-05	1.46E-04	7.36E-05	7.01E-05	1.44E-04
4845 483863.09, 3861877.25	0.00196	0.00187	2.98E-04	2.96E-04	2.81E-04	2.87E-04	2.71E-04	7.89E-05	7.53E-05	1.54E-04	7.70E-05	7.34E-05	1.50E-04	7.59E-05	7.25E-05	1.48E-04
4846 484363.09, 3861877.25	0.00204	0.00195	3.10E-04	3.09E-04	2.92E-04	2.99E-04	2.82E-04	8.21E-05	7.85E-05	1.61E-04	8.01E-05	7.66E-05	1.57E-04	7.90E-05	7.56E-05	1.55E-04
4847 484863.09, 3861877.25	0.00212	0.00203	3.22E-04	3.21E-04	3.03E-04	3.11E-04	2.93E-04	8.53E-05	8.17E-05	1.67E-04	8.33E-05	7.97E-05	1.63E-04	8.21E-05	7.87E-05	1.61E-04
4848 485363.09, 3861877.25	0.00219	0.0021	3.33E-04	3.32E-04	3.14E-04	3.21E-04	3.03E-04	8.81E-05	8.45E-05	1.73E-04	8.60E-05	8.25E-05	1.68E-04	8.49E-05	8.14E-05	1.66E-04
4849 485863.09, 3861877.25	0.00225	0.00218	3.42E-04	3.45E-04	3.22E-04	3.30E-04	3.11E-04	9.05E-05	8.77E-05	1.78E-04	8.84E-05	8.56E-05	1.74E-04	8.72E-05	8.45E-05	1.72E-04
4850 486363.09, 3861877.25	0.00237	0.00229	3.60E-04	3.63E-04	3.39E-04	3.48E-04	3.28E-04	9.54E-05	9.22E-05	1.88E-04	9.31E-05	8.99E-05	1.83E-04	9.18E-05	8.87E-05	1.81E-04
4851 486863.09, 3861877.25	0.00252	0.00242	3.83E-04	3.83E-04	3.61E-04	3.70E-04	3.49E-04	1.01E-04	9.74E-05	1.99E-04	9.90E-05	9.50E-05	1.94E-04	9.76E-05	9.38E-05	1.91E-04
4852 487363.09, 3861877.25	0.00268	0.00256	4.07E-04	4.05E-04	3.84E-04	3.93E-04	3.71E-04	1.08E-04	1.03E-04	2.11E-04	1.05E-04	1.01E-04	2.06E-04	1.04E-04	9.92E-05	2.03E-04
4853 487863.09, 3861877.25	0.00284	0.00271	4.32E-04	4.29E-04	4.07E-04	4.16E-04	3.93E-04	1.14E-04	1.09E-04	2.23E-04	1.12E-04	1.06E-04	2.18E-04	1.10E-04	1.05E-04	2.15E-04
4854 488363.09, 3861877.25	0.00303	0.00288	4.60E-04	4.56E-04	4.34E-04	4.44E-04	4.19E-04	1.22E-04	1.16E-04	2.38E-04	1.19E-04	1.13E-04	2.32E-04	1.17E-04	1.12E-04	2.29E-04
4855 488863.09, 3861877.25	0.00325	0.00311	4.94E-04	4.92E-04	4.65E-04	4.77E-04	4.49E-04	1.31E-04	1.25E-04	2.56E-04	1.28E-04	1.22E-04	2.50E-04	1.26E-04	1.21E-04	2.46E-04
4856 489363.09, 3861877.25	0.00348	0.00337	5.29E-04	5.34E-04	4.98E-04	5.10E-04	4.81E-04	1.40E-04	1.36E-04	2.76E-04	1.37E-04	1.32E-04	2.69E-04	1.35E-04	1.31E-04	2.65E-04
4857 489863.09, 3861877.25	0.00376	0.0037	5.71E-04	5.86E-04	5.38E-04	5.51E-04	5.20E-04	1.51E-04	1.49E-04	3.00E-04	1.48E-04	1.45E-04	2.93E-04	1.46E-04	1.43E-04	2.89E-04
4858 490363.09, 3861877.25	0.00413	0.00412	6.28E-04	6.52E-04	5.91E-04	6.06E-04	5.71E-04	1.66E-04	1.66E-04	3.32E-04	1.62E-04	1.62E-04	3.24E-04	1.60E-04	1.60E-04	3.20E-04
4859 490863.09, 3861877.25	0.00468	0.00464	7.11E-04	7.35E-04	6.70E-04	6.86E-04	6.47E-04	1.88E-04	1.87E-04	3.75E-04	1.84E-04	1.82E-04	3.66E-04	1.81E-04	1.80E-04	3.61E-04
4860 491363.09, 3861877.25	0.00543	0.00534	8.25E-04	8.45E-04	7.77E-04	7.96E-04	7.51E-04	2.19E-04	2.15E-04	4.33E-04	2.13E-04	2.10E-04	4.23E-04	2.10E-04	2.07E-04	4.17E-04
4861 491863.09, 3861877.25	0.00646	0.0064	9.82E-04	1.01E-03	9.25E-04	9.47E-04	8.93E-04	2.60E-04	2.58E-04	5.18E-04	2.54E-04	2.51E-04	5.05E-04	2.50E-04	2.48E-04	4.98E-04
4862 492363.09, 3861877.25	0.00799	0.00799	1.21E-03	1.27E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.22E-04	6.43E-04	3.14E-04	3.14E-04	6.28E-04	3.10E-04	3.10E-04	6.19E-04
4863 492863.09, 3861877.25	0.01034	0.01033	1.57E-03	1.64E-03	1.48E-03	1.52E-03	1.43E-03	4.16E-04	4.16E-04	8.32E-04	4.06E-04	4.06E-04	8.12E-04	4.01E-04	4.00E-04	8.01E-04
4864 493363.09, 3861877.25	0.01397	0.01399	2.12E-03	2.22E-03	2.00E-03	2.05E-03	1.93E-03	5.62E-04	5.63E-04	1.13E-03	5.49E-04	5.49E-04	1.10E-03	5.41E-04	5.42E-04	1.08E-03
4865 493863.09, 3861877.25	0.0206	0.0208	3.13E-03	3.29E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	8.37E-04	1.67E-03	8.09E-04	8.17E-04	1.63E-03	7.98E-04	8.06E-04	1.60E-03
4866 494363.09, 3861877.25	0.03697	0.03771	5.62E-03	5.97E-03	5.29E-03	5.42E-03	5.11E-03	1.49E-03	1.52E-03	3.01E-03	1.45E-03	1.48E-03	2.93E-03	1.43E-03	1.46E-03	2.89E-03
4867 494863.09, 3861877.25	0.15101	0.15811	2.29E-02	2.50E-02	2.16E-02	2.21E-02	2.09E-02	6.08E-03	6.36E-03	1.24E-02	5.93E-03	6.21E-03	1.21E-02	5.85E-03	6.13E-03	1.20E-02
4868 495363.09, 3861877.25	0.17703	0.17586	2.69E-02	2.78E-02	2.53E-02	2.60E-02	2.45E-02	7.12E-03	7.08E-03	1.42E-02	6.95E-03	6.91E-03	1.39E-02	6.86E-03	6.81E-03	1.37E-02
4869 495863.09, 3861877.25	0.07279	0.07301	1.11E-02	1.16E-02	1.04E-02	1.07E-02	1.01E-02	2.93E-03	2.94E-03	5.87E-03	2.86E-03	2.87E-03	5.73E-03	2.82E-03	2.83E-03	5.65E-03
4870 496363.09, 3861877.25	0.04573	0.04595	6.95E-03	7.28E-03	6.55E-03	6.71E-03	6.32E-03	1.84E-03	1.85E-03	3.69E-03	1.80E-03	1.80E-03	3.60E-03	1.77E-03	1.78E-03	3.55E-03
4871 496863.09, 3861877.25	0.02371	0.0238	3.60E-03	3.77E-03	3.39E-03	3.48E-03	3.28E-03	9.54E-04	9.58E-04	1.91E-03	9.31E-04	9.35E-04	1.87E-03	9.19E-04	9.22E-04	1.84E-03
4872 497363.09, 3861877.25	0.0249	0.02498	3.78E-03	3.96E-03	3.56E-03	3.65E-03	3.44E-03	1.00E-03	1.01E-03	2.01E-03	9.78E-04	9.81E-04	1.96E-03	9.65E-04	9.68E-04	1.93E-03
4873 497863.09, 3861877.25	0.02221	0.02226	3.37E-03	3.52E-03	3.18E-03	3.26E-03	3.07E-03	8.94E-04	8.96E-04	1.79E-03	8.72E-04	8.74E-04	1.75E-03	8.61E-04	8.63E-04	1.72E-03
4874 498363.09, 3861877.25	0.01933	0.01935	2.94E-03	3.06E-03	2.77E-03	2.83E-03	2.67E-03	7.78E-04	7.79E-04	1.56E-03	7.59E-04	7.60E-04	1.52E-03	7.49E-04	7.50E-04	1.50E-03
4875 471363.09, 3862377.25	0.001	0.00098	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.78E-05	3.87E-05	3.80E-05	7.67E-05
4876 471863.09, 3862377.25	0.00102	0.001	1.55E-04	1.58E-04	1.46E-04	1.50E-04	1.41E-04	4.10E-05	4.02E-05	8.13E-05	4.01E-05	3.93E-05	7.93E-05	3.95E-05	3.87E-05	7.83E-05
4877 472363.09, 3862377.25	0.00104	0.00102	1.58E-04	1.61E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.10E-05	8.29E-05	4.08E-05	4.01E-05	8.09E-05	4.03E-05	3.95E-05	7.98E-05
4878 472863.09, 3862377.25	0.00106	0.00103	1.61E-04	1.63E-04	1.52E-04	1.55E-04	1.47E-04	4.27E-05	4.15E-05	8.41E-05	4.16E-05	4.04E-05	8.21E-05	4.11E-05	3.99E-05	8.10E-05
4879 473363.09, 3862377.25	0.00108	0.00105	1.64E-04	1.66E-04	1.55E-04	1.58E-04	1.49E-04	4.35E-05	4.23E-05	8.57E-05	4.24E-05	4.12E-05	8.36E-05	4.18E-05	4.07E-05	8.25E-05
4880 473863.09, 3862377.25	0.00109	0.00107	1.66E-04	1.69E-04	1.56E-04	1.60E-04	1.51E-04	4.39E-05	4.31E-05	8.69E-05	4.28E-05	4.20E-05	8.48E-05	4.22E-05	4.15E-05	8.37E-05

4881 474363.09, 3862377.25	0.00111	0.00108	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.35E-05	8.81E-05	4.36E-05	4.24E-05	8.60E-05	4.30E-05	4.18E-05	8.49E-05
4882 474863.09, 3862377.25	0.00113	0.0011	1.72E-04	1.74E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.43E-05	8.97E-05	4.44E-05	4.32E-05	8.76E-05	4.38E-05	4.26E-05	8.64E-05
4883 475363.09, 3862377.25	0.00116	0.00113	1.76E-04	1.79E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.55E-05	9.22E-05	4.56E-05	4.44E-05	8.99E-05	4.49E-05	4.38E-05	8.87E-05
4884 475863.09, 3862377.25	0.00119	0.00115	1.81E-04	1.82E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.63E-05	9.42E-05	4.67E-05	4.52E-05	9.19E-05	4.61E-05	4.46E-05	9.07E-05
4885 476363.09, 3862377.25	0.00121	0.00118	1.84E-04	1.87E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	4.75E-05	9.62E-05	4.75E-05	4.63E-05	9.39E-05	4.69E-05	4.57E-05	9.26E-05
4886 476863.09, 3862377.25	0.00123	0.0012	1.87E-04	1.90E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.83E-05	9.78E-05	4.83E-05	4.71E-05	9.54E-05	4.77E-05	4.65E-05	9.42E-05
4887 477363.09, 3862377.25	0.00124	0.00121	1.88E-04	1.92E-04	1.78E-04	1.82E-04	1.72E-04	4.99E-05	4.87E-05	9.86E-05	4.87E-05	4.75E-05	9.62E-05	4.80E-05	4.69E-05	9.49E-05
4888 477863.09, 3862377.25	0.00114	0.00114	1.73E-04	1.80E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.59E-05	9.18E-05	4.48E-05	4.48E-05	8.95E-05	4.42E-05	4.42E-05	8.83E-05
4889 478363.09, 3862377.25	0.00103	0.00106	1.57E-04	1.68E-04	1.47E-04	1.51E-04	1.42E-04	4.15E-05	4.27E-05	8.41E-05	4.04E-05	4.16E-05	8.21E-05	3.99E-05	4.11E-05	8.10E-05
4890 478863.09, 3862377.25	0.00105	0.00108	1.60E-04	1.71E-04	1.50E-04	1.54E-04	1.45E-04	4.23E-05	4.35E-05	8.57E-05	4.12E-05	4.24E-05	8.36E-05	4.07E-05	4.18E-05	8.25E-05
4891 479363.09, 3862377.25	0.00114	0.00116	1.73E-04	1.84E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.67E-05	9.26E-05	4.48E-05	4.56E-05	9.03E-05	4.42E-05	4.49E-05	8.91E-05
4892 479863.09, 3862377.25	0.00137	0.00134	2.08E-04	2.12E-04	1.96E-04	2.01E-04	1.89E-04	5.51E-05	5.39E-05	1.09E-04	5.38E-05	5.26E-05	1.06E-04	5.31E-05	5.19E-05	1.05E-04
4893 480363.09, 3862377.25	0.00147	0.00142	2.23E-04	2.25E-04	2.10E-04	2.16E-04	2.03E-04	5.92E-05	5.71E-05	1.16E-04	5.77E-05	5.58E-05	1.13E-04	5.70E-05	5.50E-05	1.12E-04
4894 480863.09, 3862377.25	0.00152	0.00146	2.31E-04	2.31E-04	2.18E-04	2.23E-04	2.10E-04	6.12E-05	5.88E-05	1.20E-04	5.97E-05	5.73E-05	1.17E-04	5.89E-05	5.66E-05	1.15E-04
4895 481363.09, 3862377.25	0.00157	0.00151	2.39E-04	2.39E-04	2.25E-04	2.30E-04	2.17E-04	6.32E-05	6.08E-05	1.24E-04	6.17E-05	5.93E-05	1.21E-04	6.08E-05	5.85E-05	1.19E-04
4896 481863.09, 3862377.25	0.00164	0.00156	2.49E-04	2.47E-04	2.35E-04	2.40E-04	2.27E-04	6.60E-05	6.28E-05	1.29E-04	6.44E-05	6.13E-05	1.26E-04	6.35E-05	6.04E-05	1.24E-04
4897 482363.09, 3862377.25	0.00169	0.00161	2.57E-04	2.55E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.48E-05	1.33E-04	6.64E-05	6.32E-05	1.30E-04	6.55E-05	6.24E-05	1.28E-04
4898 482863.09, 3862377.25	0.00173	0.00165	2.63E-04	2.61E-04	2.48E-04	2.54E-04	2.39E-04	6.96E-05	6.64E-05	1.36E-04	6.79E-05	6.48E-05	1.33E-04	6.70E-05	6.39E-05	1.31E-04
4899 483363.09, 3862377.25	0.00178	0.0017	2.70E-04	2.69E-04	2.55E-04	2.61E-04	2.46E-04	7.16E-05	6.84E-05	1.40E-04	6.99E-05	6.68E-05	1.37E-04	6.90E-05	6.59E-05	1.35E-04
4900 483863.09, 3862377.25	0.00183	0.00176	2.78E-04	2.79E-04	2.62E-04	2.68E-04	2.53E-04	7.36E-05	7.08E-05	1.44E-04	7.19E-05	6.91E-05	1.41E-04	7.09E-05	6.82E-05	1.39E-04
4901 484363.09, 3862377.25	0.0019	0.00183	2.89E-04	2.90E-04	2.72E-04	2.79E-04	2.63E-04	7.65E-05	7.36E-05	1.50E-04	7.46E-05	7.19E-05	1.46E-04	7.36E-05	7.09E-05	1.45E-04
4902 484863.09, 3862377.25	0.00197	0.0019	2.99E-04	3.01E-04	2.82E-04	2.89E-04	2.72E-04	7.93E-05	7.65E-05	1.56E-04	7.74E-05	7.46E-05	1.52E-04	7.63E-05	7.36E-05	1.50E-04
4903 485363.09, 3862377.25	0.00203	0.00196	3.08E-04	3.10E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	7.89E-05	1.61E-04	7.97E-05	7.70E-05	1.57E-04	7.87E-05	7.59E-05	1.55E-04
4904 485863.09, 3862377.25	0.00209	0.00203	3.18E-04	3.21E-04	2.99E-04	3.06E-04	2.89E-04	8.41E-05	8.17E-05	1.66E-04	8.21E-05	7.97E-05	1.62E-04	8.10E-05	7.87E-05	1.60E-04
4905 486363.09, 3862377.25	0.00217	0.00212	3.30E-04	3.36E-04	3.11E-04	3.18E-04	3.00E-04	8.73E-05	8.53E-05	1.73E-04	8.52E-05	8.33E-05	1.68E-04	8.41E-05	8.21E-05	1.66E-04
4906 486863.09, 3862377.25	0.00229	0.00222	3.48E-04	3.51E-04	3.28E-04	3.36E-04	3.17E-04	9.22E-05	8.93E-05	1.81E-04	8.99E-05	8.72E-05	1.77E-04	8.87E-05	8.60E-05	1.75E-04
4907 487363.09, 3862377.25	0.00243	0.00234	3.69E-04	3.70E-04	3.48E-04	3.56E-04	3.36E-04	9.78E-05	9.42E-05	1.92E-04	9.54E-05	9.19E-05	1.87E-04	9.42E-05	9.07E-05	1.85E-04
4908 487863.09, 3862377.25	0.00257	0.00247	3.91E-04	3.91E-04	3.68E-04	3.77E-04	3.55E-04	1.03E-04	9.94E-05	2.03E-04	1.01E-04	9.70E-05	1.98E-04	9.96E-05	9.57E-05	1.95E-04
4909 488363.09, 3862377.25	0.00271	0.00261	4.12E-04	4.13E-04	3.88E-04	3.97E-04	3.75E-04	1.09E-04	1.05E-04	2.14E-04	1.06E-04	1.02E-04	2.09E-04	1.05E-04	1.01E-04	2.06E-04
4910 488863.09, 3862377.25	0.00289	0.00277	4.39E-04	4.39E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.11E-04	2.28E-04	1.13E-04	1.09E-04	2.22E-04	1.12E-04	1.07E-04	2.19E-04
4911 489363.09, 3862377.25	0.00308	0.00297	4.68E-04	4.70E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.20E-04	2.43E-04	1.21E-04	1.17E-04	2.38E-04	1.19E-04	1.15E-04	2.34E-04
4912 489863.09, 3862377.25	0.00328	0.0032	4.98E-04	5.07E-04	4.70E-04	4.81E-04	4.54E-04	1.32E-04	1.29E-04	2.61E-04	1.29E-04	1.26E-04	2.54E-04	1.27E-04	1.24E-04	2.51E-04
4913 490363.09, 3862377.25	0.0035	0.00348	5.32E-04	5.51E-04	5.01E-04	5.13E-04	4.84E-04	1.41E-04	1.40E-04	2.81E-04	1.37E-04	1.37E-04	2.74E-04	1.36E-04	1.35E-04	2.70E-04
4914 490863.09, 3862377.25	0.0038	0.00381	5.77E-04	6.03E-04	5.44E-04	5.57E-04	5.26E-04	1.53E-04	1.53E-04	3.06E-04	1.49E-04	1.50E-04	2.99E-04	1.47E-04	1.48E-04	2.95E-04
4915 491363.09, 3862377.25	0.0042	0.00417	6.38E-04	6.60E-04	6.01E-04	6.16E-04	5.81E-04	1.69E-04	1.68E-04	3.37E-04	1.65E-04	1.64E-04	3.29E-04	1.63E-04	1.62E-04	3.24E-04
4916 491863.09, 3862377.25	0.00467	0.00459	7.10E-04	7.27E-04	6.69E-04	6.85E-04	6.46E-04	1.88E-04	1.85E-04	3.73E-04	1.83E-04	1.80E-04	3.64E-04	1.81E-04	1.78E-04	3.59E-04
4917 492363.09, 3862377.25	0.00523	0.00518	7.95E-04	8.20E-04	7.49E-04	7.67E-04	7.23E-04	2.10E-04	2.08E-04	4.19E-04	2.05E-04	2.03E-04	4.09E-04	2.03E-04	2.01E-04	4.03E-04
4918 492863.09, 3862377.25	0.00599	0.006	9.10E-04	9.50E-04	8.58E-04	8.78E-04	8.28E-04	2.41E-04	2.41E-04	4.83E-04	2.35E-04	2.36E-04	4.71E-04	2.32E-04	2.32E-04	4.65E-04
4919 493363.09, 3862377.25	0.00697	0.00697	1.06E-03	1.10E-03	9.98E-04	1.02E-03	9.64E-04	2.80E-04	2.80E-04	5.61E-04	2.74E-04	2.74E-04	5.47E-04	2.70E-04	2.70E-04	5.40E-04
4920 493863.09, 3862377.25	0.00817	0.00814	1.24E-03	1.29E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.28E-04	6.56E-04	3.21E-04	3.20E-04	6.40E-04	3.17E-04	3.15E-04	6.32E-04
4921 494363.09, 3862377.25	0.00991	0.00989	1.51E-03	1.57E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	3.98E-04	7.97E-04	3.89E-04	3.88E-04	7.78E-04	3.84E-04	3.83E-04	7.67E-04
4922 494863.09, 3862377.25	0.0124	0.01244	1.88E-03	1.97E-03	1.78E-03	1.82E-03	1.72E-03	4.99E-04	5.01E-04	1.00E-03	4.87E-04	4.89E-04	9.75E-04	4.80E-04	4.82E-04	9.63E-04
4923 495363.09, 3862377.25	0.01611	0.01623	2.45E-03	2.57E-03	2.31E-03	2.36E-03	2.23E-03	6.48E-04	6.53E-04	1.30E-03	6.33E-04	6.37E-04	1.27E-03	6.24E-04	6.29E-04	1.25E-03
4924 495863.09, 3862377.25	0.02406	0.02427	3.66E-03	3.84E-03	3.44E-03	3.53E-03	3.33E-03	9.68E-04	9.77E-04	1.94E-03	9.45E-04	9.53E-04	1.90E-03	9.32E-04	9.40E-04	1.87E-03
4925 496363.09, 3862377.25	0.04768	0.04802	7.25E-03	7.60E-03	6.83E-03	6.99E-03	6.59E-03	1.92E-03	1.93E-03	3.85E-03	1.87E-03	1.89E-03	3.76E-03	1.85E-03	1.86E-03	3.71E-03
4926 496863.09, 3862377.25	0.41762	0.40707	6.35E-02	6.45E-02	5.98E-02	6.12E-02	5.78E-02	1.68E-02	1.64E-02	3.32E-02	1.64E-02	1.60E-02	3.24E-02	1.62E-02	1.58E-02	3.20E-02
4927 497363.09, 3862377.25	0.24764	0.24974	3.76E-02	3.95E-02	3.55E-02	3.63E-02	3.43E-02	9.97E-03	1.01E-02	2.00E-02	9.72E-03	9.81E-03	1.95E-02	9.60E-03	9.68E-03	1.93E-02
4928 497863.09, 3862377.25	0.65109	0.69965	9.89E-02	1.11E-01	9.32E-02	9.55E-02	9.01E-02	2.62E-02	2.82E-02	5.44E-02	2.56E-02	2.75E-02	5.30E-02	2.52E-02	2.71E-02	5.23E-02
4929 498363.09, 3862377.25	0.08555	0.08485	1.30E-02	1.34E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	3.41E-03	6.86E-03	3.36E-03	3.33E-03	6.69E-03	3.31E-03	3.29E-03	6.60E-03
4930 471363.09, 3862877.25	0.00097	0.00095	1.47E-04	1.50E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.82E-05	7.73E-05	3.81E-05	3.73E-05	7.54E-05	3.76E-05	3.68E-05	7.44E-05
4931 471863.09, 3862877.25	0.00099	0.00097	1.50E-04	1.54E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.90E-05	7.89E-05	3.89E-05	3.81E-05	7.70E-05	3.84E-05	3.76E-05	7.59E-05
4932 472363.09, 3862877.25	0.00101	0.00099	1.53E-04	1.57E-04	1.45E-04	1.48E-04	1.40E-04	4.06E-05	3.98E-05	8.05E-05	3.97E-05	3.89E-05	7.85E-05	3.91E-05	3.84E-05	7.75E-05
4933 472863.09, 3862877.25	0.00103	0.001	1.57E-04	1.58E-04	1.47E-04	1.51E-04	1.42E-04	4.15E-05	4.02E-05	8.17E-05	4.04E-05	3.93E-05	7.97E-05	3.99E-05	3.87E-05	7.87E-05
4934 473363.09, 3862877.25	0.00105	0.00102	1.60E-04	1.61E-04	1.50E-04	1.54E-04	1.45E-04	4.23E-05	4.10E-05	8.33E-05	4.12E-05	4.01E-05	8.13E-05	4.07E-05	3.95E-05	8.02E-05
4935 473863.09, 3862877.25	0.00106	0.00104	1.61E-04	1.65E-04	1.52E-04	1.55E-04	1.47E-04	4.27E-05	4.19E-05	8.45E-05	4.16E-05	4.08E-05	8.25E-05	4.11E-05	4.03E-05	8.14E-05
4936 474363.09, 3862877.25	0.00108	0.00105	1.64E-04	1.66E-04	1.55E-04	1.58E-04	1.49E-04	4.35E-05	4.23E-05	8.57E-05	4.24E-05	4.12E-05	8.36E-05	4.18E-05	4.07E-05	8.25E-05
4937 474863.09, 3862877.25	0.0011	0.00107	1.67E-04	1.69E-04	1.57E-04	1.61E-04	1.52E-04	4.43E-05	4.31E-05	8.73E-05	4.32E-05	4.20E-05	8.52E-05	4.26E-05	4.15E-05	8.41E-05
4938 475363.09, 3862877.25	0.00113	0.0011	1.72E-04	1.74E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.43E-05	8.97E-05	4.44E-05	4.32E-05	8.76E-05	4.38E-05	4.26E-05	8.64E-05
4939 475863.09, 3862877.25	0.00115	0.00112	1.75E-04	1.77E-04	1.65E-04	1.69E-04	1.59E-04	4.63E-05	4.51E-05	9.14E-05	4.52E-05	4.40E-05	8.91E-05	4.46E-05	4.34E-05	8.80E-05
4940 476363.09, 3862877.25	0.00118	0.00114	1.79E-04	1.80E-04	1.69E-04	1.73E-04	1.63E-04	4.75E-05	4.59E-05	9.34E-05	4.63E-05	4.48E-05	9.11E-05	4.57E-05	4.42E-05	8.99E-05
4941 476863.09, 3862877.25	0.00119	0.00116	1.81E-04	1.84E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.67E-05	9.46E-05	4.67E-05	4.56E-05	9.23E-05	4.61E-05	4.49E-05	9.11E-05
4942 477363.09, 3862877.25	0.00121	0.00118	1.84E-04	1.87E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	4.75E-05	9.62E-05	4.75E-05	4.63E-05	9.39E-05	4.69E-05	4.57E-05	9.26E-05
4943 477863.09, 3862877.25	0.00118	0.00116	1.79E-04	1.84E-04	1.69E-04	1.73E-04	1.63E-04	4.75E-05	4.67E-05	9.42E-05	4.63E-05	4.56E-05	9.19E-05	4.57E-05	4.49E-05	9.07E-05
4944 478363.09, 3862877.25	0.00108	0.00109	1.64E-04	1.73E-04	1.55E-04	1.58E-04	1.49E-04	4.35E-05	4.39E-05	8.73E-05	4.24E-05	4.28E-05	8.52E-05	4.18E-05	4.22E-05	8.41E-05
4945 478863.09, 3862877.25	0.00109	0.0011	1.66E-04	1.74E-04	1.56E-04	1.60E-04	1.51E-04	4.39E-05	4.43E-05	8.81E-05	4.28E-05	4.32E-05	8.60E-05	4.22E-05	4.26E-05	8.49E-05
4946 479363.09, 3862877.25	0.00112	0.00113	1.70E-04	1.79E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.55E-05	9.05E-05	4.40E-05	4.44E-05	8.84E-05	4.34E-05	4.38E-05	8.72E-05

4947	479863.09, 3862877.25	0.00135	0.00131	2.05E-04	2.07E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.27E-05	1.07E-04	5.30E-05	5.14E-05	1.04E-04	5.23E-05	5.08E-05	1.03E-04
4948	480363.09, 3862877.25	0.00141	0.00136	2.14E-04	2.15E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.47E-05	1.11E-04	5.54E-05	5.34E-05	1.09E-04	5.46E-05	5.27E-05	1.07E-04
4949	480863.09, 3862877.25	0.00144	0.00139	2.19E-04	2.20E-04	2.06E-04	2.11E-04	1.99E-04	5.80E-05	5.59E-05	1.14E-04	5.65E-05	5.46E-05	1.11E-04	5.58E-05	5.39E-05	1.10E-04
4950	481363.09, 3862877.25	0.0015	0.00144	2.28E-04	2.28E-04	2.15E-04	2.20E-04	2.07E-04	6.04E-05	5.80E-05	1.18E-04	5.89E-05	5.65E-05	1.15E-04	5.81E-05	5.58E-05	1.14E-04
4951	481863.09, 3862877.25	0.00155	0.00148	2.36E-04	2.34E-04	2.22E-04	2.27E-04	2.14E-04	6.24E-05	5.96E-05	1.22E-04	6.09E-05	5.81E-05	1.19E-04	6.01E-05	5.73E-05	1.17E-04
4952	482363.09, 3862877.25	0.00159	0.00153	2.42E-04	2.42E-04	2.28E-04	2.33E-04	2.20E-04	6.40E-05	6.16E-05	1.26E-04	6.24E-05	6.01E-05	1.23E-04	6.16E-05	5.93E-05	1.21E-04
4953	482863.09, 3862877.25	0.00163	0.00157	2.48E-04	2.49E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.32E-05	1.29E-04	6.40E-05	6.17E-05	1.26E-04	6.32E-05	6.08E-05	1.24E-04
4954	483363.09, 3862877.25	0.00168	0.00161	2.55E-04	2.55E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.48E-05	1.32E-04	6.60E-05	6.32E-05	1.29E-04	6.51E-05	6.24E-05	1.27E-04
4955	483863.09, 3862877.25	0.00172	0.00166	2.61E-04	2.63E-04	2.46E-04	2.52E-04	2.38E-04	6.92E-05	6.68E-05	1.36E-04	6.75E-05	6.52E-05	1.33E-04	6.66E-05	6.43E-05	1.31E-04
4956	484363.09, 3862877.25	0.00178	0.00172	2.70E-04	2.72E-04	2.55E-04	2.61E-04	2.46E-04	7.16E-05	6.92E-05	1.41E-04	6.99E-05	6.75E-05	1.37E-04	6.90E-05	6.66E-05	1.36E-04
4957	484863.09, 3862877.25	0.00184	0.00179	2.80E-04	2.83E-04	2.63E-04	2.70E-04	2.54E-04	7.40E-05	7.20E-05	1.46E-04	7.23E-05	7.03E-05	1.43E-04	7.13E-05	6.94E-05	1.41E-04
4958	485363.09, 3862877.25	0.0019	0.00185	2.89E-04	2.93E-04	2.72E-04	2.79E-04	2.63E-04	7.65E-05	7.44E-05	1.51E-04	7.46E-05	7.26E-05	1.47E-04	7.36E-05	7.17E-05	1.45E-04
4959	485863.09, 3862877.25	0.00196	0.00191	2.98E-04	3.02E-04	2.81E-04	2.87E-04	2.71E-04	7.89E-05	7.69E-05	1.56E-04	7.70E-05	7.50E-05	1.52E-04	7.59E-05	7.40E-05	1.50E-04
4960	486363.09, 3862877.25	0.00203	0.00198	3.08E-04	3.13E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	7.97E-05	1.61E-04	7.97E-05	7.78E-05	1.57E-04	7.87E-05	7.67E-05	1.55E-04
4961	486863.09, 3862877.25	0.00211	0.00206	3.21E-04	3.26E-04	3.02E-04	3.09E-04	2.92E-04	8.49E-05	8.29E-05	1.68E-04	8.29E-05	8.09E-05	1.64E-04	8.18E-05	7.98E-05	1.62E-04
4962	487363.09, 3862877.25	0.00222	0.00216	3.37E-04	3.42E-04	3.18E-04	3.26E-04	3.07E-04	8.93E-05	8.69E-05	1.76E-04	8.72E-05	8.48E-05	1.72E-04	8.60E-05	8.37E-05	1.70E-04
4963	487863.09, 3862877.25	0.00234	0.00226	3.56E-04	3.58E-04	3.35E-04	3.43E-04	3.24E-04	9.42E-05	9.09E-05	1.85E-04	9.19E-05	8.87E-05	1.81E-04	9.07E-05	8.76E-05	1.78E-04
4964	488363.09, 3862877.25	0.00245	0.00237	3.72E-04	3.75E-04	3.51E-04	3.59E-04	3.39E-04	9.86E-05	9.54E-05	1.94E-04	9.62E-05	9.31E-05	1.89E-04	9.49E-05	9.18E-05	1.87E-04
4965	488863.09, 3862877.25	0.00258	0.00248	3.92E-04	3.93E-04	3.69E-04	3.78E-04	3.57E-04	1.04E-04	9.98E-05	2.04E-04	1.01E-04	9.74E-05	1.99E-04	1.00E-04	9.61E-05	1.96E-04
4966	489363.09, 3862877.25	0.00273	0.00263	4.15E-04	4.16E-04	3.91E-04	4.00E-04	3.78E-04	1.10E-04	1.06E-04	2.16E-04	1.07E-04	1.03E-04	2.10E-04	1.06E-04	1.02E-04	2.08E-04
4967	489863.09, 3862877.25	0.00289	0.00281	4.39E-04	4.45E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.13E-04	2.29E-04	1.13E-04	1.10E-04	2.24E-04	1.12E-04	1.09E-04	2.21E-04
4968	490363.09, 3862877.25	0.00305	0.003	4.63E-04	4.75E-04	4.37E-04	4.47E-04	4.22E-04	1.23E-04	1.21E-04	2.43E-04	1.20E-04	1.18E-04	2.38E-04	1.18E-04	1.16E-04	2.34E-04
4969	490863.09, 3862877.25	0.00322	0.00323	4.89E-04	5.11E-04	4.61E-04	4.72E-04	4.45E-04	1.30E-04	1.30E-04	2.60E-04	1.26E-04	1.27E-04	2.53E-04	1.25E-04	1.25E-04	2.50E-04
4970	491363.09, 3862877.25	0.00343	0.00345	5.21E-04	5.46E-04	4.91E-04	5.03E-04	4.74E-04	1.38E-04	1.39E-04	2.77E-04	1.35E-04	1.35E-04	2.70E-04	1.33E-04	1.34E-04	2.67E-04
4971	491863.09, 3862877.25	0.0037	0.00369	5.62E-04	5.84E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.48E-04	2.97E-04	1.45E-04	1.45E-04	2.90E-04	1.43E-04	1.43E-04	2.86E-04
4972	492363.09, 3862877.25	0.00401	0.00394	6.09E-04	6.24E-04	5.74E-04	5.88E-04	5.55E-04	1.61E-04	1.59E-04	3.20E-04	1.57E-04	1.55E-04	3.12E-04	1.55E-04	1.53E-04	3.08E-04
4973	492863.09, 3862877.25	0.00436	0.00431	6.63E-04	6.82E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.73E-04	3.49E-04	1.71E-04	1.69E-04	3.40E-04	1.69E-04	1.67E-04	3.36E-04
4974	493363.09, 3862877.25	0.00479	0.0048	7.28E-04	7.60E-04	6.86E-04	7.02E-04	6.62E-04	1.93E-04	1.93E-04	3.86E-04	1.88E-04	1.88E-04	3.77E-04	1.86E-04	1.86E-04	3.72E-04
4975	493863.09, 3862877.25	0.00521	0.00521	7.92E-04	8.25E-04	7.46E-04	7.64E-04	7.21E-04	2.10E-04	2.10E-04	4.19E-04	2.05E-04	2.05E-04	4.09E-04	2.02E-04	2.02E-04	4.04E-04
4976	494363.09, 3862877.25	0.00579	0.00575	8.80E-04	9.10E-04	8.29E-04	8.49E-04	8.01E-04	2.33E-04	2.31E-04	4.64E-04	2.27E-04	2.26E-04	4.53E-04	2.24E-04	2.23E-04	4.47E-04
4977	494863.09, 3862877.25	0.00662	0.00657	1.01E-03	1.04E-03	9.48E-04	9.71E-04	9.16E-04	2.66E-04	2.64E-04	5.31E-04	2.60E-04	2.58E-04	5.18E-04	2.57E-04	2.55E-04	5.11E-04
4978	495363.09, 3862877.25	0.00752	0.00749	1.14E-03	1.19E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	3.01E-04	6.04E-04	2.95E-04	2.94E-04	5.89E-04	2.91E-04	2.90E-04	5.82E-04
4979	495863.09, 3862877.25	0.00849	0.00849	1.29E-03	1.34E-03	1.22E-03	1.24E-03	1.17E-03	3.42E-04	3.42E-04	6.83E-04	3.33E-04	3.33E-04	6.67E-04	3.29E-04	3.29E-04	6.58E-04
4980	496363.09, 3862877.25	0.00961	0.00965	1.46E-03	1.53E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.88E-04	7.75E-04	3.77E-04	3.79E-04	7.56E-04	3.72E-04	3.74E-04	7.46E-04
4981	496863.09, 3862877.25	0.01108	0.01114	1.68E-03	1.76E-03	1.59E-03	1.62E-03	1.53E-03	4.46E-04	4.48E-04	8.94E-04	4.35E-04	4.37E-04	8.73E-04	4.29E-04	4.32E-04	8.61E-04
4982	497363.09, 3862877.25	0.01206	0.01213	1.83E-03	1.92E-03	1.73E-03	1.77E-03	1.67E-03	4.85E-04	4.88E-04	9.73E-04	4.74E-04	4.76E-04	9.50E-04	4.67E-04	4.70E-04	9.37E-04
4983	497863.09, 3862877.25	0.01207	0.01212	1.83E-03	1.92E-03	1.73E-03	1.77E-03	1.67E-03	4.86E-04	4.88E-04	9.73E-04	4.74E-04	4.76E-04	9.50E-04	4.68E-04	4.70E-04	9.37E-04
4984	498363.09, 3862877.25	0.01161	0.01164	1.76E-03	1.84E-03	1.66E-03	1.70E-03	1.61E-03	4.67E-04	4.68E-04	9.36E-04	4.56E-04	4.57E-04	9.13E-04	4.50E-04	4.51E-04	9.01E-04
4985	471363.09, 3863377.25	0.00095	0.00093	1.44E-04	1.47E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.74E-05	7.57E-05	3.73E-05	3.65E-05	7.38E-05	3.68E-05	3.60E-05	7.28E-05
4986	471863.09, 3863377.25	0.00097	0.00095	1.47E-04	1.50E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.82E-05	7.73E-05	3.81E-05	3.73E-05	7.54E-05	3.76E-05	3.68E-05	7.44E-05
4987	472363.09, 3863377.25	0.00098	0.00096	1.49E-04	1.52E-04	1.40E-04	1.44E-04	1.36E-04	3.94E-05	3.86E-05	7.81E-05	3.85E-05	3.77E-05	7.62E-05	3.80E-05	3.72E-05	7.52E-05
4988	472863.09, 3863377.25	0.001	0.00098	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.78E-05	3.87E-05	3.80E-05	7.67E-05
4989	473363.09, 3863377.25	0.00102	0.00099	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.10E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.84E-05	7.79E-05
4990	473863.09, 3863377.25	0.00104	0.00101	1.58E-04	1.60E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.06E-05	8.25E-05	4.08E-05	3.97E-05	8.05E-05	4.03E-05	3.91E-05	7.94E-05
4991	474363.09, 3863377.25	0.00105	0.00103	1.60E-04	1.63E-04	1.50E-04	1.54E-04	1.45E-04	4.23E-05	4.15E-05	8.37E-05	4.12E-05	4.04E-05	8.17E-05	4.07E-05	3.99E-05	8.06E-05
4992	474863.09, 3863377.25	0.00107	0.00104	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.49E-05	4.20E-05	4.08E-05	8.29E-05	4.15E-05	4.03E-05	8.18E-05
4993	475363.09, 3863377.25	0.00109	0.00106	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.39E-05	4.27E-05	8.65E-05	4.28E-05	4.16E-05	8.44E-05	4.22E-05	4.11E-05	8.33E-05
4994	475863.09, 3863377.25	0.00111	0.00108	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.35E-05	8.81E-05	4.36E-05	4.24E-05	8.60E-05	4.30E-05	4.18E-05	8.49E-05
4995	476363.09, 3863377.25	0.00114	0.0011	1.73E-04	1.74E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.43E-05	9.01E-05	4.48E-05	4.32E-05	8.80E-05	4.42E-05	4.26E-05	8.68E-05
4996	476863.09, 3863377.25	0.00116	0.00112	1.76E-04	1.77E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.51E-05	9.18E-05	4.56E-05	4.40E-05	8.95E-05	4.49E-05	4.34E-05	8.83E-05
4997	477363.09, 3863377.25	0.00118	0.00114	1.79E-04	1.80E-04	1.69E-04	1.73E-04	1.63E-04	4.75E-05	4.59E-05	9.34E-05	4.63E-05	4.48E-05	9.11E-05	4.57E-05	4.42E-05	8.99E-05
4998	477863.09, 3863377.25	0.00118	0.00115	1.79E-04	1.82E-04	1.69E-04	1.73E-04	1.63E-04	4.75E-05	4.63E-05	9.38E-05	4.63E-05	4.52E-05	9.15E-05	4.57E-05	4.46E-05	9.03E-05
4999	478363.09, 3863377.25	0.00113	0.00112	1.72E-04	1.77E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.51E-05	9.05E-05	4.44E-05	4.40E-05	8.84E-05	4.38E-05	4.34E-05	8.72E-05
5000	478863.09, 3863377.25	0.00116	0.00114	1.76E-04	1.80E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.59E-05	9.26E-05	4.56E-05	4.48E-05	9.03E-05	4.49E-05	4.42E-05	8.91E-05
5001	479363.09, 3863377.25	0.00124	0.00121	1.88E-04	1.92E-04	1.78E-04	1.82E-04	1.72E-04	4.99E-05	4.87E-05	9.86E-05	4.87E-05	4.75E-05	9.62E-05	4.80E-05	4.69E-05	9.49E-05
5002	479863.09, 3863377.25	0.00131	0.00127	1.99E-04	2.01E-04	1.88E-04	1.92E-04	1.81E-04	5.27E-05	5.11E-05	1.04E-04	5.14E-05	4.99E-05	1.01E-04	5.08E-05	4.92E-05	1.00E-04
5003	480363.09, 3863377.25	0.00135	0.0013	2.05E-04	2.06E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.23E-05	1.07E-04	5.30E-05	5.11E-05	1.04E-04	5.23E-05	5.04E-05	1.03E-04
5004	480863.09, 3863377.25	0.00138	0.00134	2.10E-04	2.12E-04	1.98E-04	2.02E-04	1.91E-04	5.55E-05	5.39E-05	1.09E-04	5.42E-05	5.26E-05	1.07E-04	5.35E-05	5.19E-05	1.05E-04
5005	481363.09, 3863377.25	0.00143	0.00138	2.17E-04	2.18E-04	2.05E-04	2.10E-04	1.98E-04	5.75E-05	5.55E-05	1.13E-04	5.62E-05	5.42E-05	1.10E-04	5.54E-05	5.35E-05	1.09E-04
5006	481863.09, 3863377.25	0.00148	0.00142	2.25E-04	2.25E-04	2.12E-04	2.17E-04	2.05E-04	5.96E-05	5.71E-05	1.17E-04	5.81E-05	5.58E-05	1.14E-04	5.73E-05	5.50E-05	1.12E-04
5007	482363.09, 3863377.25	0.00152	0.00146	2.31E-04	2.31E-04	2.18E-04	2.23E-04	2.10E-04	6.12E-05	5.88E-05	1.20E-04	5.97E-05	5.73E-05	1.17E-04	5.89E-05	5.66E-05	1.15E-04
5008	482863.09, 3863377.25	0.00155	0.0015	2.36E-04	2.37E-04	2.22E-04	2.27E-04	2.14E-04	6.24E-05	6.04E-05	1.23E-04	6.09E-05	5.89E-05	1.20E-04	6.01E-05	5.81E-05	1.18E-04
5009	483363.09, 3863377.25	0.00159	0.00154	2.42E-04	2.44E-04	2.28E-04	2.33E-04	2.20E-04	6.40E-05	6.20E-05	1.26E-04	6.24E-05	6.05E-05	1.23E-04	6.16E-05	5.97E-05	1.21E-04
5010	483863.09, 3863377.25	0.00163	0.00158	2.48E-04	2.50E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.36E-05	1.29E-04	6.40E-05	6.20E-05	1.26E-04	6.32E-05	6.12E-05	1.24E-04
5011	484363.09, 3863377.25	0.00168	0.00164	2.55E-04	2.60E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.60E-05	1.34E-04	6.60E-05	6.44E-05	1.30E-04	6.51E-05	6.35E-05	1.29E-04
5012	484863.09, 3863377.25	0.00174	0.00169	2.64E-04	2.68E-04	2.49E-04	2.55E-04	2.41E-04	7.00E-05	6.80E-05	1.38E-04	6.83E-05	6.64E-05	1.35E-04	6.74E-05	6.55E-05	1.33E-04

5013 485363.09, 3863377.25	0.00179	0.00175	2.72E-04	2.77E-04	2.56E-04	2.62E-04	2.48E-04	7.20E-05	7.04E-05	1.42E-04	7.03E-05	6.87E-05	1.39E-04	6.94E-05	6.78E-05	1.37E-04
5014 485863.09, 3863377.25	0.00184	0.0018	2.80E-04	2.85E-04	2.63E-04	2.70E-04	2.54E-04	7.40E-05	7.24E-05	1.46E-04	7.23E-05	7.07E-05	1.43E-04	7.13E-05	6.97E-05	1.41E-04
5015 486363.09, 3863377.25	0.00188	0.00185	2.86E-04	2.93E-04	2.69E-04	2.76E-04	2.60E-04	7.57E-05	7.44E-05	1.50E-04	7.38E-05	7.26E-05	1.46E-04	7.28E-05	7.17E-05	1.45E-04
5016 486863.09, 3863377.25	0.00195	0.00191	2.96E-04	3.02E-04	2.79E-04	2.86E-04	2.70E-04	7.85E-05	7.69E-05	1.55E-04	7.66E-05	7.50E-05	1.52E-04	7.56E-05	7.40E-05	1.50E-04
5017 487363.09, 3863377.25	0.00203	0.00199	3.08E-04	3.15E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	8.01E-05	1.62E-04	7.97E-05	7.81E-05	1.58E-04	7.87E-05	7.71E-05	1.56E-04
5018 487863.09, 3863377.25	0.00213	0.00207	3.24E-04	3.28E-04	3.05E-04	3.12E-04	2.95E-04	8.57E-05	8.33E-05	1.69E-04	8.36E-05	8.13E-05	1.65E-04	8.25E-05	8.02E-05	1.63E-04
5019 488363.09, 3863377.25	0.00222	0.00215	3.37E-04	3.40E-04	3.18E-04	3.26E-04	3.07E-04	8.93E-05	8.65E-05	1.76E-04	8.72E-05	8.44E-05	1.72E-04	8.60E-05	8.33E-05	1.69E-04
5020 488863.09, 3863377.25	0.00232	0.00224	3.53E-04	3.55E-04	3.32E-04	3.40E-04	3.21E-04	9.34E-05	9.01E-05	1.84E-04	9.11E-05	8.80E-05	1.79E-04	8.99E-05	8.68E-05	1.77E-04
5021 489363.09, 3863377.25	0.00242	0.00234	3.68E-04	3.70E-04	3.46E-04	3.55E-04	3.35E-04	9.74E-05	9.42E-05	1.92E-04	9.50E-05	9.19E-05	1.87E-04	9.38E-05	9.07E-05	1.84E-04
5022 489863.09, 3863377.25	0.00254	0.00246	3.86E-04	3.89E-04	3.64E-04	3.72E-04	3.51E-04	1.02E-04	9.90E-05	2.01E-04	9.97E-05	9.66E-05	1.96E-04	9.84E-05	9.53E-05	1.94E-04
5023 490363.09, 3863377.25	0.00266	0.0026	4.04E-04	4.12E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.05E-04	2.12E-04	1.04E-04	1.02E-04	2.07E-04	1.03E-04	1.01E-04	2.04E-04
5024 490863.09, 3863377.25	0.00277	0.00275	4.21E-04	4.35E-04	3.97E-04	4.06E-04	3.83E-04	1.11E-04	1.11E-04	2.22E-04	1.09E-04	1.08E-04	2.17E-04	1.07E-04	1.07E-04	2.14E-04
5025 491363.09, 3863377.25	0.00289	0.00291	4.39E-04	4.61E-04	4.14E-04	4.24E-04	4.00E-04	1.16E-04	1.17E-04	2.33E-04	1.13E-04	1.14E-04	2.28E-04	1.12E-04	1.13E-04	2.25E-04
5026 491863.09, 3863377.25	0.00304	0.00306	4.62E-04	4.84E-04	4.35E-04	4.46E-04	4.20E-04	1.22E-04	1.23E-04	2.45E-04	1.19E-04	1.20E-04	2.40E-04	1.18E-04	1.19E-04	2.36E-04
5027 492363.09, 3863377.25	0.00318	0.00317	4.83E-04	5.02E-04	4.55E-04	4.66E-04	4.40E-04	1.28E-04	1.28E-04	2.56E-04	1.25E-04	1.24E-04	2.49E-04	1.23E-04	1.23E-04	2.46E-04
5028 492863.09, 3863377.25	0.00313	0.00306	4.76E-04	4.84E-04	4.48E-04	4.59E-04	4.33E-04	1.26E-04	1.23E-04	2.49E-04	1.23E-04	1.20E-04	2.43E-04	1.21E-04	1.19E-04	2.40E-04
5029 493363.09, 3863377.25	0.00299	0.00294	4.54E-04	4.65E-04	4.28E-04	4.38E-04	4.14E-04	1.20E-04	1.18E-04	2.39E-04	1.17E-04	1.15E-04	2.33E-04	1.16E-04	1.14E-04	2.30E-04
5030 493863.09, 3863377.25	0.00316	0.00316	4.80E-04	5.00E-04	4.52E-04	4.63E-04	4.37E-04	1.27E-04	1.27E-04	2.54E-04	1.24E-04	1.24E-04	2.48E-04	1.22E-04	1.22E-04	2.45E-04
5031 494363.09, 3863377.25	0.00352	0.00353	5.35E-04	5.59E-04	5.04E-04	5.16E-04	4.87E-04	1.42E-04	1.42E-04	2.84E-04	1.38E-04	1.39E-04	2.77E-04	1.36E-04	1.37E-04	2.73E-04
5032 494863.09, 3863377.25	0.00359	0.00356	5.46E-04	5.64E-04	5.14E-04	5.26E-04	4.97E-04	1.44E-04	1.43E-04	2.88E-04	1.41E-04	1.40E-04	2.81E-04	1.39E-04	1.38E-04	2.77E-04
5033 495363.09, 3863377.25	0.00353	0.00348	5.36E-04	5.51E-04	5.05E-04	5.18E-04	4.88E-04	1.42E-04	1.40E-04	2.82E-04	1.39E-04	1.37E-04	2.75E-04	1.37E-04	1.35E-04	2.72E-04
5034 495863.09, 3863377.25	0.00359	0.00353	5.46E-04	5.59E-04	5.14E-04	5.26E-04	4.97E-04	1.44E-04	1.42E-04	2.87E-04	1.41E-04	1.39E-04	2.80E-04	1.39E-04	1.37E-04	2.76E-04
5035 496363.09, 3863377.25	0.005	0.00497	7.60E-04	7.87E-04	7.16E-04	7.33E-04	6.92E-04	2.01E-04	2.00E-04	4.01E-04	1.96E-04	1.95E-04	3.92E-04	1.94E-04	1.93E-04	3.86E-04
5036 496863.09, 3863377.25	0.00516	0.00515	7.84E-04	8.15E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.07E-04	4.15E-04	2.03E-04	2.02E-04	4.05E-04	2.00E-04	2.00E-04	3.99E-04
5037 497363.09, 3863377.25	0.00507	0.00508	7.70E-04	8.04E-04	7.26E-04	7.43E-04	7.01E-04	2.04E-04	2.04E-04	4.08E-04	1.99E-04	1.99E-04	3.99E-04	1.96E-04	1.97E-04	3.93E-04
5038 497863.09, 3863377.25	0.00492	0.00494	7.48E-04	7.82E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.99E-04	3.97E-04	1.93E-04	1.94E-04	3.87E-04	1.91E-04	1.91E-04	3.82E-04
5039 498363.09, 3863377.25	0.00488	0.0049	7.42E-04	7.76E-04	6.99E-04	7.16E-04	6.75E-04	1.96E-04	1.97E-04	3.94E-04	1.92E-04	1.92E-04	3.84E-04	1.89E-04	1.90E-04	3.79E-04
5040 471363.09, 3863877.25	0.00092	0.0009	1.40E-04	1.42E-04	1.32E-04	1.35E-04	1.27E-04	3.70E-05	3.62E-05	7.32E-05	3.61E-05	3.53E-05	7.15E-05	3.56E-05	3.49E-05	7.05E-05
5041 471863.09, 3863877.25	0.00094	0.00092	1.43E-04	1.46E-04	1.35E-04	1.38E-04	1.30E-04	3.78E-05	3.70E-05	7.49E-05	3.69E-05	3.61E-05	7.30E-05	3.64E-05	3.56E-05	7.21E-05
5042 472363.09, 3863877.25	0.00095	0.00093	1.44E-04	1.47E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.74E-05	7.57E-05	3.73E-05	3.65E-05	7.38E-05	3.68E-05	3.60E-05	7.28E-05
5043 472863.09, 3863877.25	0.00097	0.00095	1.47E-04	1.50E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.82E-05	7.73E-05	3.81E-05	3.73E-05	7.54E-05	3.76E-05	3.68E-05	7.44E-05
5044 473363.09, 3863877.25	0.00099	0.00096	1.50E-04	1.52E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.86E-05	7.85E-05	3.89E-05	3.77E-05	7.66E-05	3.84E-05	3.72E-05	7.56E-05
5045 473863.09, 3863877.25	0.00101	0.00098	1.53E-04	1.55E-04	1.45E-04	1.48E-04	1.40E-04	4.06E-05	3.94E-05	8.01E-05	3.97E-05	3.85E-05	7.81E-05	3.91E-05	3.80E-05	7.71E-05
5046 474363.09, 3863877.25	0.00102	0.00099	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.10E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.84E-05	7.79E-05
5047 474863.09, 3863877.25	0.00104	0.00101	1.58E-04	1.60E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.06E-05	8.25E-05	4.08E-05	3.97E-05	8.05E-05	4.03E-05	3.91E-05	7.94E-05
5048 475363.09, 3863877.25	0.00106	0.00103	1.61E-04	1.63E-04	1.52E-04	1.55E-04	1.47E-04	4.27E-05	4.15E-05	8.41E-05	4.16E-05	4.04E-05	8.21E-05	4.11E-05	3.99E-05	8.10E-05
5049 475863.09, 3863877.25	0.00108	0.00105	1.64E-04	1.66E-04	1.55E-04	1.58E-04	1.49E-04	4.35E-05	4.23E-05	8.57E-05	4.24E-05	4.12E-05	8.36E-05	4.18E-05	4.07E-05	8.25E-05
5050 476363.09, 3863877.25	0.0011	0.00107	1.67E-04	1.69E-04	1.57E-04	1.61E-04	1.52E-04	4.43E-05	4.31E-05	8.73E-05	4.32E-05	4.20E-05	8.52E-05	4.26E-05	4.15E-05	8.41E-05
5051 476863.09, 3863877.25	0.00112	0.00109	1.70E-04	1.73E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.39E-05	8.89E-05	4.40E-05	4.28E-05	8.68E-05	4.34E-05	4.22E-05	8.56E-05
5052 477363.09, 3863877.25	0.00114	0.0011	1.73E-04	1.74E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.43E-05	9.01E-05	4.48E-05	4.32E-05	8.80E-05	4.42E-05	4.26E-05	8.68E-05
5053 477863.09, 3863877.25	0.00115	0.00112	1.75E-04	1.77E-04	1.65E-04	1.69E-04	1.59E-04	4.63E-05	4.51E-05	9.14E-05	4.52E-05	4.40E-05	8.91E-05	4.46E-05	4.34E-05	8.80E-05
5054 478363.09, 3863877.25	0.00112	0.00111	1.70E-04	1.76E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.47E-05	8.97E-05	4.40E-05	4.36E-05	8.76E-05	4.34E-05	4.30E-05	8.64E-05
5055 478863.09, 3863877.25	0.00119	0.00116	1.81E-04	1.84E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.67E-05	9.46E-05	4.67E-05	4.56E-05	9.23E-05	4.61E-05	4.49E-05	9.11E-05
5056 479363.09, 3863877.25	0.00123	0.00119	1.87E-04	1.88E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.79E-05	9.74E-05	4.83E-05	4.67E-05	9.50E-05	4.77E-05	4.61E-05	9.38E-05
5057 479863.09, 3863877.25	0.00127	0.00123	1.93E-04	1.95E-04	1.82E-04	1.86E-04	1.76E-04	5.11E-05	4.95E-05	1.01E-04	4.99E-05	4.83E-05	9.82E-05	4.92E-05	4.77E-05	9.69E-05
5058 480363.09, 3863877.25	0.0013	0.00125	1.98E-04	1.98E-04	1.86E-04	1.91E-04	1.80E-04	5.23E-05	5.03E-05	1.03E-04	5.11E-05	4.91E-05	1.00E-04	5.04E-05	4.84E-05	9.88E-05
5059 480863.09, 3863877.25	0.00133	0.00129	2.02E-04	2.04E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.19E-05	1.05E-04	5.22E-05	5.07E-05	1.03E-04	5.15E-05	5.00E-05	1.02E-04
5060 481363.09, 3863877.25	0.00137	0.00132	2.08E-04	2.09E-04	1.96E-04	2.01E-04	1.89E-04	5.51E-05	5.31E-05	1.08E-04	5.38E-05	5.18E-05	1.06E-04	5.31E-05	5.11E-05	1.04E-04
5061 481863.09, 3863877.25	0.00141	0.00136	2.14E-04	2.15E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.47E-05	1.11E-04	5.54E-05	5.34E-05	1.09E-04	5.46E-05	5.27E-05	1.07E-04
5062 482363.09, 3863877.25	0.00144	0.00139	2.19E-04	2.20E-04	2.06E-04	2.11E-04	1.99E-04	5.80E-05	5.59E-05	1.14E-04	5.65E-05	5.46E-05	1.11E-04	5.58E-05	5.39E-05	1.10E-04
5063 482863.09, 3863877.25	0.00147	0.00142	2.23E-04	2.25E-04	2.10E-04	2.16E-04	2.03E-04	5.92E-05	5.71E-05	1.16E-04	5.77E-05	5.58E-05	1.13E-04	5.70E-05	5.50E-05	1.12E-04
5064 483363.09, 3863877.25	0.0015	0.00146	2.28E-04	2.31E-04	2.15E-04	2.20E-04	2.07E-04	6.04E-05	5.88E-05	1.19E-04	5.89E-05	5.73E-05	1.16E-04	5.81E-05	5.66E-05	1.15E-04
5065 483863.09, 3863877.25	0.00153	0.00149	2.32E-04	2.36E-04	2.19E-04	2.24E-04	2.12E-04	6.16E-05	6.00E-05	1.22E-04	6.01E-05	5.85E-05	1.19E-04	5.93E-05	5.77E-05	1.17E-04
5066 484363.09, 3863877.25	0.00157	0.00153	2.39E-04	2.42E-04	2.25E-04	2.30E-04	2.17E-04	6.32E-05	6.16E-05	1.25E-04	6.17E-05	6.01E-05	1.22E-04	6.08E-05	5.93E-05	1.20E-04
5067 484863.09, 3863877.25	0.00161	0.00158	2.45E-04	2.50E-04	2.30E-04	2.36E-04	2.23E-04	6.48E-05	6.36E-05	1.28E-04	6.32E-05	6.20E-05	1.25E-04	6.24E-05	6.12E-05	1.24E-04
5068 485363.09, 3863877.25	0.00165	0.00162	2.51E-04	2.56E-04	2.36E-04	2.42E-04	2.28E-04	6.64E-05	6.52E-05	1.32E-04	6.48E-05	6.36E-05	1.28E-04	6.39E-05	6.28E-05	1.27E-04
5069 485863.09, 3863877.25	0.00169	0.00166	2.57E-04	2.63E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.68E-05	1.35E-04	6.64E-05	6.52E-05	1.32E-04	6.55E-05	6.43E-05	1.30E-04
5070 486363.09, 3863877.25	0.00173	0.0017	2.63E-04	2.69E-04	2.48E-04	2.54E-04	2.39E-04	6.96E-05	6.84E-05	1.38E-04	6.79E-05	6.68E-05	1.35E-04	6.70E-05	6.59E-05	1.33E-04
5071 486863.09, 3863877.25	0.00178	0.00175	2.70E-04	2.77E-04	2.55E-04	2.61E-04	2.46E-04	7.16E-05	7.04E-05	1.42E-04	6.99E-05	6.87E-05	1.39E-04	6.90E-05	6.78E-05	1.37E-04
5072 487363.09, 3863877.25	0.00184	0.00181	2.80E-04	2.87E-04	2.63E-04	2.70E-04	2.54E-04	7.40E-05	7.28E-05	1.47E-04	7.23E-05	7.11E-05	1.43E-04	7.13E-05	7.01E-05	1.41E-04
5073 487863.09, 3863877.25	0.00192	0.00188	2.92E-04	2.98E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.57E-05	1.53E-04	7.54E-05	7.38E-05	1.49E-04	7.44E-05	7.28E-05	1.47E-04
5074 488363.09, 3863877.25	0.002	0.00195	3.04E-04	3.09E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	7.85E-05	1.59E-04	7.85E-05	7.66E-05	1.55E-04	7.75E-05	7.56E-05	1.53E-04
5075 488863.09, 3863877.25	0.00208	0.00202	3.16E-04	3.20E-04	2.98E-04	3.05E-04	2.88E-04	8.37E-05	8.13E-05	1.65E-04	8.17E-05	7.93E-05	1.61E-04	8.06E-05	7.83E-05	1.59E-04
5076 489363.09, 3863877.25	0.00217	0.0021	3.30E-04	3.32E-04	3.11E-04	3.18E-04	3.00E-04	8.73E-05	8.45E-05	1.72E-04	8.52E-05	8.25E-05	1.68E-04	8.41E-05	8.14E-05	1.65E-04
5077 489863.09, 3863877.25	0.00225	0.00218	3.42E-04	3.45E-04	3.22E-04	3.30E-04	3.11E-04	9.05E-05	8.77E-05	1.78E-04	8.84E-05	8.56E-05	1.74E-04	8.72E-05	8.45E-05	1.72E-04
5078 490363.09, 3863877.25	0.00233	0.00227	3.54E-04	3.59E-04	3.34E-04	3.42E-04	3.22E-04	9.38E-05	9.14E-05	1.85E-04	9.15E-05	8.91E-05	1.81E-04	9.03E-05	8.80E-05	1.78E-04

5079 490863.09, 3863877.25	0.0024	0.00236	3.65E-04	3.74E-04	3.44E-04	3.52E-04	3.32E-04	9.66E-05	9.50E-05	1.92E-04	9.42E-05	9.27E-05	1.87E-04	9.30E-05	9.14E-05	1.84E-04
5080 491363.09, 3863877.25	0.00246	0.00245	3.74E-04	3.88E-04	3.52E-04	3.61E-04	3.40E-04	9.90E-05	9.86E-05	1.98E-04	9.66E-05	9.62E-05	1.93E-04	9.53E-05	9.49E-05	1.90E-04
5081 491863.09, 3863877.25	0.00243	0.00245	3.69E-04	3.88E-04	3.48E-04	3.56E-04	3.36E-04	9.78E-05	9.86E-05	1.96E-04	9.54E-05	9.62E-05	1.92E-04	9.42E-05	9.49E-05	1.89E-04
5082 492363.09, 3863877.25	0.00215	0.00219	3.27E-04	3.47E-04	3.08E-04	3.15E-04	2.97E-04	8.65E-05	8.81E-05	1.75E-04	8.44E-05	8.60E-05	1.70E-04	8.33E-05	8.49E-05	1.68E-04
5083 492863.09, 3863877.25	0.00192	0.00194	2.92E-04	3.07E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.81E-05	1.55E-04	7.54E-05	7.62E-05	1.52E-04	7.44E-05	7.52E-05	1.50E-04
5084 493363.09, 3863877.25	0.00202	0.00196	3.07E-04	3.10E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	7.89E-05	1.60E-04	7.93E-05	7.70E-05	1.56E-04	7.83E-05	7.59E-05	1.54E-04
5085 493863.09, 3863877.25	0.00217	0.00211	3.30E-04	3.34E-04	3.11E-04	3.18E-04	3.00E-04	8.73E-05	8.49E-05	1.72E-04	8.52E-05	8.29E-05	1.68E-04	8.41E-05	8.18E-05	1.66E-04
5086 494363.09, 3863877.25	0.00234	0.00234	3.56E-04	3.70E-04	3.35E-04	3.43E-04	3.24E-04	9.42E-05	9.42E-05	1.88E-04	9.19E-05	9.19E-05	1.84E-04	9.07E-05	9.07E-05	1.81E-04
5087 494863.09, 3863877.25	0.00239	0.00241	3.63E-04	3.82E-04	3.42E-04	3.50E-04	3.31E-04	9.62E-05	9.70E-05	1.93E-04	9.39E-05	9.46E-05	1.88E-04	9.26E-05	9.34E-05	1.86E-04
5088 495363.09, 3863877.25	0.00248	0.00247	3.77E-04	3.91E-04	3.55E-04	3.64E-04	3.43E-04	9.98E-05	9.94E-05	1.99E-04	9.74E-05	9.70E-05	1.94E-04	9.61E-05	9.57E-05	1.92E-04
5089 495863.09, 3863877.25	0.00251	0.00246	3.81E-04	3.89E-04	3.59E-04	3.68E-04	3.47E-04	1.01E-04	9.90E-05	2.00E-04	9.86E-05	9.66E-05	1.95E-04	9.73E-05	9.53E-05	1.93E-04
5090 496363.09, 3863877.25	0.00284	0.00279	4.32E-04	4.42E-04	4.07E-04	4.16E-04	3.93E-04	1.14E-04	1.12E-04	2.27E-04	1.12E-04	1.10E-04	2.21E-04	1.10E-04	1.08E-04	2.18E-04
5091 496863.09, 3863877.25	0.0032	0.00316	4.86E-04	5.00E-04	4.58E-04	4.69E-04	4.43E-04	1.29E-04	1.27E-04	2.56E-04	1.26E-04	1.24E-04	2.50E-04	1.24E-04	1.22E-04	2.46E-04
5092 497363.09, 3863877.25	0.00329	0.00326	5.00E-04	5.16E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.31E-04	2.64E-04	1.29E-04	1.28E-04	2.57E-04	1.27E-04	1.26E-04	2.54E-04
5093 497863.09, 3863877.25	0.00323	0.00322	4.91E-04	5.10E-04	4.62E-04	4.74E-04	4.47E-04	1.30E-04	1.30E-04	2.60E-04	1.27E-04	1.26E-04	2.53E-04	1.25E-04	1.25E-04	2.50E-04
5094 498363.09, 3863877.25	0.00313	0.00313	4.76E-04	4.96E-04	4.48E-04	4.59E-04	4.33E-04	1.26E-04	1.26E-04	2.52E-04	1.23E-04	1.23E-04	2.46E-04	1.21E-04	1.21E-04	2.43E-04
5095 471363.09, 3864377.25	0.0009	0.00088	1.37E-04	1.39E-04	1.29E-04	1.32E-04	1.24E-04	3.62E-05	3.54E-05	7.16E-05	3.53E-05	3.46E-05	6.99E-05	3.49E-05	3.41E-05	6.90E-05
5096 471863.09, 3864377.25	0.00091	0.00089	1.38E-04	1.41E-04	1.30E-04	1.33E-04	1.26E-04	3.66E-05	3.58E-05	7.24E-05	3.57E-05	3.50E-05	7.07E-05	3.53E-05	3.45E-05	6.97E-05
5097 472363.09, 3864377.25	0.00093	0.00091	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.29E-04	3.74E-05	3.66E-05	7.40E-05	3.65E-05	3.57E-05	7.23E-05	3.60E-05	3.53E-05	7.13E-05
5098 472863.09, 3864377.25	0.00095	0.00092	1.44E-04	1.46E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.70E-05	7.53E-05	3.73E-05	3.61E-05	7.34E-05	3.68E-05	3.56E-05	7.25E-05
5099 473363.09, 3864377.25	0.00096	0.00094	1.46E-04	1.49E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.78E-05	7.65E-05	3.77E-05	3.69E-05	7.46E-05	3.72E-05	3.64E-05	7.36E-05
5100 473863.09, 3864377.25	0.00098	0.00095	1.49E-04	1.50E-04	1.40E-04	1.44E-04	1.36E-04	3.94E-05	3.82E-05	7.77E-05	3.85E-05	3.73E-05	7.58E-05	3.80E-05	3.68E-05	7.48E-05
5101 474363.09, 3864377.25	0.00099	0.00097	1.50E-04	1.54E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.90E-05	7.89E-05	3.89E-05	3.81E-05	7.70E-05	3.84E-05	3.76E-05	7.59E-05
5102 474863.09, 3864377.25	0.00101	0.00098	1.53E-04	1.55E-04	1.45E-04	1.48E-04	1.40E-04	4.06E-05	3.94E-05	8.01E-05	3.97E-05	3.85E-05	7.81E-05	3.91E-05	3.80E-05	7.71E-05
5103 475363.09, 3864377.25	0.00103	0.001	1.57E-04	1.58E-04	1.47E-04	1.51E-04	1.42E-04	4.15E-05	4.02E-05	8.17E-05	4.04E-05	3.93E-05	7.97E-05	3.99E-05	3.87E-05	7.87E-05
5104 475863.09, 3864377.25	0.00104	0.00102	1.58E-04	1.61E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.10E-05	8.29E-05	4.08E-05	4.01E-05	8.09E-05	4.03E-05	3.95E-05	7.98E-05
5105 476363.09, 3864377.25	0.00106	0.00103	1.61E-04	1.63E-04	1.52E-04	1.55E-04	1.47E-04	4.27E-05	4.15E-05	8.41E-05	4.16E-05	4.04E-05	8.21E-05	4.11E-05	3.99E-05	8.10E-05
5106 476863.09, 3864377.25	0.00108	0.00105	1.64E-04	1.66E-04	1.55E-04	1.58E-04	1.49E-04	4.35E-05	4.23E-05	8.57E-05	4.24E-05	4.12E-05	8.36E-05	4.18E-05	4.07E-05	8.25E-05
5107 477363.09, 3864377.25	0.00111	0.00107	1.69E-04	1.69E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.31E-05	8.77E-05	4.36E-05	4.20E-05	8.56E-05	4.30E-05	4.15E-05	8.45E-05
5108 477863.09, 3864377.25	0.00113	0.00109	1.72E-04	1.73E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.39E-05	8.93E-05	4.44E-05	4.28E-05	8.72E-05	4.38E-05	4.22E-05	8.60E-05
5109 478363.09, 3864377.25	0.00114	0.00111	1.73E-04	1.76E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.47E-05	9.05E-05	4.48E-05	4.36E-05	8.84E-05	4.42E-05	4.30E-05	8.72E-05
5110 478863.09, 3864377.25	0.00116	0.00113	1.76E-04	1.79E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.55E-05	9.22E-05	4.56E-05	4.44E-05	8.99E-05	4.49E-05	4.38E-05	8.87E-05
5111 479363.09, 3864377.25	0.00118	0.00115	1.79E-04	1.82E-04	1.69E-04	1.73E-04	1.63E-04	4.75E-05	4.63E-05	9.38E-05	4.63E-05	4.52E-05	9.15E-05	4.57E-05	4.46E-05	9.03E-05
5112 479863.09, 3864377.25	0.00121	0.00117	1.84E-04	1.85E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	4.71E-05	9.58E-05	4.75E-05	4.59E-05	9.35E-05	4.69E-05	4.53E-05	9.22E-05
5113 480363.09, 3864377.25	0.00123	0.00119	1.87E-04	1.88E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.79E-05	9.74E-05	4.83E-05	4.67E-05	9.50E-05	4.77E-05	4.61E-05	9.38E-05
5114 480863.09, 3864377.25	0.00125	0.00122	1.90E-04	1.93E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	4.91E-05	9.94E-05	4.91E-05	4.79E-05	9.70E-05	4.84E-05	4.73E-05	9.57E-05
5115 481363.09, 3864377.25	0.00129	0.00125	1.96E-04	1.98E-04	1.85E-04	1.89E-04	1.78E-04	5.19E-05	5.03E-05	1.02E-04	5.07E-05	4.91E-05	9.97E-05	5.00E-05	4.84E-05	9.84E-05
5116 481863.09, 3864377.25	0.00133	0.00128	2.02E-04	2.03E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.15E-05	1.05E-04	5.22E-05	5.03E-05	1.02E-04	5.15E-05	4.96E-05	1.01E-04
5117 482363.09, 3864377.25	0.00135	0.00131	2.05E-04	2.07E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.27E-05	1.07E-04	5.30E-05	5.14E-05	1.04E-04	5.23E-05	5.08E-05	1.03E-04
5118 482863.09, 3864377.25	0.00137	0.00134	2.08E-04	2.12E-04	1.96E-04	2.01E-04	1.89E-04	5.51E-05	5.39E-05	1.09E-04	5.38E-05	5.26E-05	1.06E-04	5.31E-05	5.19E-05	1.05E-04
5119 483363.09, 3864377.25	0.0014	0.00137	2.13E-04	2.17E-04	2.00E-04	2.05E-04	1.94E-04	5.63E-05	5.51E-05	1.11E-04	5.50E-05	5.38E-05	1.09E-04	5.42E-05	5.31E-05	1.07E-04
5120 483863.09, 3864377.25	0.00143	0.0014	2.17E-04	2.22E-04	2.05E-04	2.10E-04	1.98E-04	5.75E-05	5.63E-05	1.14E-04	5.62E-05	5.50E-05	1.11E-04	5.54E-05	5.42E-05	1.10E-04
5121 484363.09, 3864377.25	0.00146	0.00143	2.22E-04	2.26E-04	2.09E-04	2.14E-04	2.02E-04	5.88E-05	5.75E-05	1.16E-04	5.73E-05	5.62E-05	1.13E-04	5.66E-05	5.54E-05	1.12E-04
5122 484863.09, 3864377.25	0.0015	0.00147	2.28E-04	2.33E-04	2.15E-04	2.20E-04	2.07E-04	6.04E-05	5.92E-05	1.20E-04	5.89E-05	5.77E-05	1.17E-04	5.81E-05	5.70E-05	1.15E-04
5123 485363.09, 3864377.25	0.00154	0.00151	2.34E-04	2.39E-04	2.20E-04	2.26E-04	2.13E-04	6.20E-05	6.08E-05	1.23E-04	6.05E-05	5.93E-05	1.20E-04	5.97E-05	5.85E-05	1.18E-04
5124 485863.09, 3864377.25	0.00158	0.00155	2.40E-04	2.45E-04	2.26E-04	2.32E-04	2.19E-04	6.36E-05	6.24E-05	1.26E-04	6.20E-05	6.09E-05	1.23E-04	6.12E-05	6.01E-05	1.21E-04
5125 486363.09, 3864377.25	0.00161	0.00159	2.45E-04	2.52E-04	2.30E-04	2.36E-04	2.23E-04	6.48E-05	6.40E-05	1.29E-04	6.32E-05	6.24E-05	1.26E-04	6.24E-05	6.16E-05	1.24E-04
5126 486863.09, 3864377.25	0.00165	0.00163	2.51E-04	2.58E-04	2.36E-04	2.42E-04	2.28E-04	6.64E-05	6.56E-05	1.32E-04	6.48E-05	6.40E-05	1.29E-04	6.39E-05	6.32E-05	1.27E-04
5127 487363.09, 3864377.25	0.0017	0.00167	2.58E-04	2.64E-04	2.43E-04	2.49E-04	2.35E-04	6.84E-05	6.72E-05	1.36E-04	6.68E-05	6.56E-05	1.32E-04	6.59E-05	6.47E-05	1.31E-04
5128 487863.09, 3864377.25	0.00175	0.00172	2.66E-04	2.72E-04	2.51E-04	2.57E-04	2.42E-04	7.04E-05	6.92E-05	1.40E-04	6.87E-05	6.75E-05	1.36E-04	6.78E-05	6.66E-05	1.34E-04
5129 488363.09, 3864377.25	0.00181	0.00176	2.75E-04	2.79E-04	2.59E-04	2.65E-04	2.50E-04	7.28E-05	7.08E-05	1.44E-04	7.11E-05	6.91E-05	1.40E-04	7.01E-05	6.82E-05	1.38E-04
5130 488863.09, 3864377.25	0.00186	0.00181	2.83E-04	2.87E-04	2.66E-04	2.73E-04	2.57E-04	7.49E-05	7.28E-05	1.48E-04	7.30E-05	7.11E-05	1.44E-04	7.21E-05	7.01E-05	1.42E-04
5131 489363.09, 3864377.25	0.00191	0.00185	2.90E-04	2.93E-04	2.73E-04	2.80E-04	2.64E-04	7.69E-05	7.44E-05	1.51E-04	7.50E-05	7.26E-05	1.48E-04	7.40E-05	7.17E-05	1.46E-04
5132 489863.09, 3864377.25	0.00196	0.0019	2.98E-04	3.01E-04	2.81E-04	2.87E-04	2.71E-04	7.89E-05	7.65E-05	1.55E-04	7.70E-05	7.46E-05	1.52E-04	7.59E-05	7.36E-05	1.50E-04
5133 490363.09, 3864377.25	0.00201	0.00195	3.05E-04	3.09E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	7.85E-05	1.59E-04	7.89E-05	7.66E-05	1.56E-04	7.79E-05	7.56E-05	1.53E-04
5134 490863.09, 3864377.25	0.00206	0.00201	3.13E-04	3.18E-04	2.95E-04	3.02E-04	2.85E-04	8.29E-05	8.09E-05	1.64E-04	8.09E-05	7.89E-05	1.60E-04	7.98E-05	7.79E-05	1.58E-04
5135 491363.09, 3864377.25	0.00196	0.00193	2.98E-04	3.06E-04	2.81E-04	2.87E-04	2.71E-04	7.89E-05	7.77E-05	1.57E-04	7.70E-05	7.58E-05	1.53E-04	7.59E-05	7.48E-05	1.51E-04
5136 491863.09, 3864377.25	0.00114	0.00121	1.73E-04	1.92E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.87E-05	9.46E-05	4.48E-05	4.75E-05	9.23E-05	4.42E-05	4.69E-05	9.11E-05
5137 492363.09, 3864377.25	0.00144	0.00151	2.19E-04	2.39E-04	2.06E-04	2.11E-04	1.99E-04	5.80E-05	6.08E-05	1.19E-04	5.65E-05	5.93E-05	1.16E-04	5.58E-05	5.85E-05	1.14E-04
5138 492863.09, 3864377.25	0.00118	0.00126	1.79E-04	1.99E-04	1.69E-04	1.73E-04	1.63E-04	4.75E-05	5.07E-05	9.82E-05	4.63E-05	4.95E-05	9.58E-05	4.57E-05	4.88E-05	9.45E-05
5139 493363.09, 3864377.25	0.00138	0.00139	2.10E-04	2.20E-04	1.98E-04	2.02E-04	1.91E-04	5.55E-05	5.59E-05	1.11E-04	5.42E-05	5.46E-05	1.09E-04	5.35E-05	5.39E-05	1.07E-04
5140 493863.09, 3864377.25	0.00161	0.00155	2.45E-04	2.45E-04	2.30E-04	2.36E-04	2.23E-04	6.48E-05	6.24E-05	1.27E-04	6.32E-05	6.09E-05	1.24E-04	6.24E-05	6.01E-05	1.22E-04
5141 494363.09, 3864377.25	0.00178	0.00172	2.70E-04	2.72E-04	2.55E-04	2.61E-04	2.46E-04	7.16E-05	6.92E-05	1.41E-04	6.99E-05	6.75E-05	1.37E-04	6.90E-05	6.66E-05	1.36E-04
5142 494863.09, 3864377.25	0.00189	0.0019	2.87E-04	3.01E-04	2.71E-04	2.77E-04	2.61E-04	7.61E-05	7.65E-05	1.53E-04	7.42E-05	7.46E-05	1.49E-04	7.32E-05	7.36E-05	1.47E-04
5143 495363.09, 3864377.25	0.0019	0.00193	2.89E-04	3.06E-04	2.72E-04	2.79E-04	2.63E-04	7.65E-05	7.77E-05	1.54E-04	7.46E-05	7.58E-05	1.50E-04	7.36E-05	7.48E-05	1.48E-04
5144 495863.09, 3864377.25	0.00192	0.00192	2.92E-04	3.04E-04	2.75E-04	2.82E-04	2.66E-04	7.73E-05	7.73E-05	1.55E-04	7.54E-05	7.54E-05	1.51E-04	7.44E-05	7.44E-05	1.49E-04

5145 496363.09, 3864377.25	0.00203	0.002	3.08E-04	3.17E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	8.05E-05	1.62E-04	7.97E-05	7.85E-05	1.58E-04	7.87E-05	7.75E-05	1.56E-04
5146 496863.09, 3864377.25	0.00209	0.00204	3.18E-04	3.23E-04	2.99E-04	3.06E-04	2.89E-04	8.41E-05	8.21E-05	1.66E-04	8.21E-05	8.01E-05	1.62E-04	8.10E-05	7.90E-05	1.60E-04
5147 497363.09, 3864377.25	0.00228	0.00223	3.46E-04	3.53E-04	3.26E-04	3.34E-04	3.15E-04	9.18E-05	8.97E-05	1.81E-04	8.95E-05	8.76E-05	1.77E-04	8.83E-05	8.64E-05	1.75E-04
5148 497863.09, 3864377.25	0.00231	0.00227	3.51E-04	3.59E-04	3.31E-04	3.39E-04	3.19E-04	9.30E-05	9.14E-05	1.84E-04	9.07E-05	8.91E-05	1.80E-04	8.95E-05	8.80E-05	1.77E-04
5149 498363.09, 3864377.25	0.00244	0.00241	3.71E-04	3.82E-04	3.49E-04	3.58E-04	3.37E-04	9.82E-05	9.70E-05	1.95E-04	9.58E-05	9.46E-05	1.90E-04	9.45E-05	9.34E-05	1.88E-04
5150 471363.09, 3864877.25	0.00087	0.00086	1.32E-04	1.36E-04	1.25E-04	1.28E-04	1.20E-04	3.50E-05	3.46E-05	6.96E-05	3.42E-05	3.38E-05	6.79E-05	3.37E-05	3.33E-05	6.70E-05
5151 471863.09, 3864877.25	0.00089	0.00087	1.35E-04	1.38E-04	1.27E-04	1.30E-04	1.23E-04	3.58E-05	3.50E-05	7.08E-05	3.50E-05	3.42E-05	6.91E-05	3.45E-05	3.37E-05	6.82E-05
5152 472363.09, 3864877.25	0.0009	0.00088	1.37E-04	1.39E-04	1.29E-04	1.32E-04	1.24E-04	3.62E-05	3.54E-05	7.16E-05	3.53E-05	3.46E-05	6.99E-05	3.49E-05	3.41E-05	6.90E-05
5153 472863.09, 3864877.25	0.00092	0.0009	1.40E-04	1.42E-04	1.32E-04	1.35E-04	1.27E-04	3.70E-05	3.62E-05	7.32E-05	3.61E-05	3.53E-05	7.15E-05	3.56E-05	3.49E-05	7.05E-05
5154 473363.09, 3864877.25	0.00093	0.00091	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.29E-04	3.74E-05	3.66E-05	7.40E-05	3.65E-05	3.57E-05	7.23E-05	3.60E-05	3.53E-05	7.13E-05
5155 473863.09, 3864877.25	0.00095	0.00092	1.44E-04	1.46E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.70E-05	7.53E-05	3.73E-05	3.61E-05	7.34E-05	3.68E-05	3.56E-05	7.25E-05
5156 474363.09, 3864877.25	0.00096	0.00093	1.46E-04	1.47E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.74E-05	7.61E-05	3.77E-05	3.65E-05	7.42E-05	3.72E-05	3.60E-05	7.32E-05
5157 474863.09, 3864877.25	0.00097	0.00095	1.47E-04	1.50E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.82E-05	7.73E-05	3.81E-05	3.73E-05	7.54E-05	3.76E-05	3.68E-05	7.44E-05
5158 475363.09, 3864877.25	0.00099	0.00096	1.50E-04	1.52E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.86E-05	7.85E-05	3.89E-05	3.77E-05	7.66E-05	3.84E-05	3.72E-05	7.56E-05
5159 475863.09, 3864877.25	0.00101	0.00098	1.53E-04	1.55E-04	1.45E-04	1.48E-04	1.40E-04	4.06E-05	3.94E-05	8.01E-05	3.97E-05	3.85E-05	7.81E-05	3.91E-05	3.80E-05	7.71E-05
5160 476363.09, 3864877.25	0.00103	0.00099	1.57E-04	1.57E-04	1.47E-04	1.51E-04	1.42E-04	4.15E-05	3.98E-05	8.13E-05	4.04E-05	3.89E-05	7.93E-05	3.99E-05	3.84E-05	7.83E-05
5161 476863.09, 3864877.25	0.00104	0.00101	1.58E-04	1.60E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.06E-05	8.25E-05	4.08E-05	3.97E-05	8.05E-05	4.03E-05	3.91E-05	7.94E-05
5162 477363.09, 3864877.25	0.00106	0.00103	1.61E-04	1.63E-04	1.52E-04	1.55E-04	1.47E-04	4.27E-05	4.15E-05	8.41E-05	4.16E-05	4.04E-05	8.21E-05	4.11E-05	3.99E-05	8.10E-05
5163 477863.09, 3864877.25	0.00108	0.00104	1.64E-04	1.65E-04	1.55E-04	1.58E-04	1.49E-04	4.35E-05	4.19E-05	8.53E-05	4.24E-05	4.08E-05	8.33E-05	4.18E-05	4.03E-05	8.21E-05
5164 478363.09, 3864877.25	0.00109	0.00106	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.39E-05	4.27E-05	8.65E-05	4.28E-05	4.16E-05	8.44E-05	4.22E-05	4.11E-05	8.33E-05
5165 478863.09, 3864877.25	0.00111	0.00108	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.35E-05	8.81E-05	4.36E-05	4.24E-05	8.60E-05	4.30E-05	4.18E-05	8.49E-05
5166 479363.09, 3864877.25	0.00113	0.0011	1.72E-04	1.74E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.43E-05	8.97E-05	4.44E-05	4.32E-05	8.76E-05	4.38E-05	4.26E-05	8.64E-05
5167 479863.09, 3864877.25	0.00115	0.00112	1.75E-04	1.77E-04	1.65E-04	1.69E-04	1.59E-04	4.63E-05	4.51E-05	9.14E-05	4.52E-05	4.40E-05	8.91E-05	4.46E-05	4.34E-05	8.80E-05
5168 480363.09, 3864877.25	0.00117	0.00114	1.78E-04	1.80E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.59E-05	9.30E-05	4.59E-05	4.48E-05	9.07E-05	4.53E-05	4.42E-05	8.95E-05
5169 480863.09, 3864877.25	0.00119	0.00116	1.81E-04	1.84E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.67E-05	9.46E-05	4.67E-05	4.56E-05	9.23E-05	4.61E-05	4.49E-05	9.11E-05
5170 481363.09, 3864877.25	0.00123	0.00119	1.87E-04	1.88E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.79E-05	9.74E-05	4.83E-05	4.67E-05	9.50E-05	4.77E-05	4.61E-05	9.38E-05
5171 481863.09, 3864877.25	0.00126	0.00122	1.91E-04	1.93E-04	1.80E-04	1.85E-04	1.74E-04	5.07E-05	4.91E-05	9.98E-05	4.95E-05	4.79E-05	9.74E-05	4.88E-05	4.73E-05	9.61E-05
5172 482363.09, 3864877.25	0.00128	0.00124	1.94E-04	1.96E-04	1.83E-04	1.88E-04	1.77E-04	5.15E-05	4.99E-05	1.01E-04	5.03E-05	4.87E-05	9.90E-05	4.96E-05	4.80E-05	9.76E-05
5173 482863.09, 3864877.25	0.0013	0.00127	1.98E-04	2.01E-04	1.86E-04	1.91E-04	1.80E-04	5.23E-05	5.11E-05	1.03E-04	5.11E-05	4.99E-05	1.01E-04	5.04E-05	4.92E-05	9.96E-05
5174 483363.09, 3864877.25	0.00133	0.00129	2.02E-04	2.04E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.19E-05	1.05E-04	5.22E-05	5.07E-05	1.03E-04	5.15E-05	5.00E-05	1.02E-04
5175 483863.09, 3864877.25	0.00135	0.00132	2.05E-04	2.09E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.31E-05	1.07E-04	5.30E-05	5.18E-05	1.05E-04	5.23E-05	5.11E-05	1.03E-04
5176 484363.09, 3864877.25	0.00137	0.00135	2.08E-04	2.14E-04	1.96E-04	2.01E-04	1.89E-04	5.51E-05	5.43E-05	1.09E-04	5.38E-05	5.30E-05	1.07E-04	5.31E-05	5.23E-05	1.05E-04
5177 484863.09, 3864877.25	0.0014	0.00138	2.13E-04	2.18E-04	2.00E-04	2.05E-04	1.94E-04	5.63E-05	5.55E-05	1.12E-04	5.50E-05	5.42E-05	1.09E-04	5.42E-05	5.35E-05	1.08E-04
5178 485363.09, 3864877.25	0.00144	0.00141	2.19E-04	2.23E-04	2.06E-04	2.11E-04	1.99E-04	5.80E-05	5.67E-05	1.15E-04	5.65E-05	5.54E-05	1.12E-04	5.58E-05	5.46E-05	1.10E-04
5179 485863.09, 3864877.25	0.00146	0.00144	2.22E-04	2.28E-04	2.09E-04	2.14E-04	2.02E-04	5.88E-05	5.80E-05	1.17E-04	5.73E-05	5.65E-05	1.14E-04	5.66E-05	5.58E-05	1.12E-04
5180 486363.09, 3864877.25	0.00148	0.00146	2.25E-04	2.31E-04	2.12E-04	2.17E-04	2.05E-04	5.96E-05	5.88E-05	1.18E-04	5.81E-05	5.73E-05	1.15E-04	5.73E-05	5.66E-05	1.14E-04
5181 486863.09, 3864877.25	0.0015	0.00149	2.28E-04	2.36E-04	2.15E-04	2.20E-04	2.07E-04	6.04E-05	6.00E-05	1.20E-04	5.89E-05	5.85E-05	1.17E-04	5.81E-05	5.77E-05	1.16E-04
5182 487363.09, 3864877.25	0.00153	0.00152	2.32E-04	2.41E-04	2.19E-04	2.24E-04	2.12E-04	6.16E-05	6.12E-05	1.23E-04	6.01E-05	5.97E-05	1.20E-04	5.93E-05	5.89E-05	1.18E-04
5183 487863.09, 3864877.25	0.00157	0.00155	2.39E-04	2.45E-04	2.25E-04	2.30E-04	2.17E-04	6.32E-05	6.24E-05	1.26E-04	6.17E-05	6.09E-05	1.23E-04	6.08E-05	6.01E-05	1.21E-04
5184 488363.09, 3864877.25	0.00162	0.00159	2.46E-04	2.52E-04	2.32E-04	2.38E-04	2.24E-04	6.52E-05	6.40E-05	1.29E-04	6.36E-05	6.24E-05	1.26E-04	6.28E-05	6.16E-05	1.24E-04
5185 488863.09, 3864877.25	0.00166	0.00162	2.52E-04	2.56E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.52E-05	1.32E-04	6.52E-05	6.36E-05	1.29E-04	6.43E-05	6.28E-05	1.27E-04
5186 489363.09, 3864877.25	0.0017	0.00164	2.58E-04	2.60E-04	2.43E-04	2.49E-04	2.35E-04	6.84E-05	6.60E-05	1.34E-04	6.68E-05	6.44E-05	1.31E-04	6.59E-05	6.35E-05	1.29E-04
5187 489863.09, 3864877.25	0.00173	0.00167	2.63E-04	2.64E-04	2.48E-04	2.54E-04	2.39E-04	6.96E-05	6.72E-05	1.37E-04	6.79E-05	6.56E-05	1.34E-04	6.70E-05	6.47E-05	1.32E-04
5188 490363.09, 3864877.25	0.00177	0.00171	2.69E-04	2.71E-04	2.53E-04	2.60E-04	2.45E-04	7.12E-05	6.88E-05	1.40E-04	6.95E-05	6.72E-05	1.37E-04	6.86E-05	6.63E-05	1.35E-04
5189 490863.09, 3864877.25	0.00154	0.00147	2.34E-04	2.33E-04	2.20E-04	2.26E-04	2.13E-04	6.20E-05	5.92E-05	1.21E-04	6.05E-05	5.77E-05	1.18E-04	5.97E-05	5.70E-05	1.17E-04
5190 491363.09, 3864877.25	0.00173	0.0017	2.63E-04	2.69E-04	2.48E-04	2.54E-04	2.39E-04	6.96E-05	6.84E-05	1.38E-04	6.79E-05	6.68E-05	1.35E-04	6.70E-05	6.59E-05	1.33E-04
5191 491863.09, 3864877.25	0.00149	0.00148	2.26E-04	2.34E-04	2.13E-04	2.18E-04	2.06E-04	6.00E-05	5.96E-05	1.20E-04	5.85E-05	5.81E-05	1.17E-04	5.77E-05	5.73E-05	1.15E-04
5192 492363.09, 3864877.25	0.00091	0.00096	1.38E-04	1.52E-04	1.30E-04	1.33E-04	1.26E-04	3.66E-05	3.86E-05	7.53E-05	3.57E-05	3.77E-05	7.34E-05	3.53E-05	3.72E-05	7.25E-05
5193 492863.09, 3864877.25	0.00097	0.00105	1.47E-04	1.66E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	4.23E-05	8.13E-05	3.81E-05	4.12E-05	7.93E-05	3.76E-05	4.07E-05	7.83E-05
5194 493363.09, 3864877.25	0.00096	0.001	1.46E-04	1.58E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	4.02E-05	7.89E-05	3.77E-05	3.93E-05	7.70E-05	3.72E-05	3.87E-05	7.59E-05
5195 493863.09, 3864877.25	0.00126	0.00127	1.91E-04	2.01E-04	1.80E-04	1.85E-04	1.74E-04	5.07E-05	5.11E-05	1.02E-04	4.95E-05	4.99E-05	9.94E-05	4.88E-05	4.92E-05	9.80E-05
5196 494363.09, 3864877.25	0.00146	0.00141	2.22E-04	2.23E-04	2.09E-04	2.14E-04	2.02E-04	5.88E-05	5.67E-05	1.15E-04	5.73E-05	5.54E-05	1.13E-04	5.66E-05	5.46E-05	1.11E-04
5197 494863.09, 3864877.25	0.00153	0.00147	2.32E-04	2.33E-04	2.19E-04	2.24E-04	2.12E-04	6.16E-05	5.92E-05	1.21E-04	6.01E-05	5.77E-05	1.18E-04	5.93E-05	5.70E-05	1.16E-04
5198 495363.09, 3864877.25	0.00157	0.00156	2.39E-04	2.47E-04	2.25E-04	2.30E-04	2.17E-04	6.32E-05	6.28E-05	1.26E-04	6.17E-05	6.13E-05	1.23E-04	6.08E-05	6.04E-05	1.21E-04
5199 495863.09, 3864877.25	0.00167	0.00168	2.54E-04	2.66E-04	2.39E-04	2.45E-04	2.31E-04	6.72E-05	6.76E-05	1.35E-04	6.56E-05	6.60E-05	1.32E-04	6.47E-05	6.51E-05	1.30E-04
5200 496363.09, 3864877.25	0.00158	0.0016	2.40E-04	2.53E-04	2.26E-04	2.32E-04	2.19E-04	6.36E-05	6.44E-05	1.28E-04	6.20E-05	6.28E-05	1.25E-04	6.12E-05	6.20E-05	1.23E-04
5201 496863.09, 3864877.25	0.00162	0.0016	2.46E-04	2.53E-04	2.32E-04	2.38E-04	2.24E-04	6.52E-05	6.44E-05	1.30E-04	6.36E-05	6.28E-05	1.26E-04	6.28E-05	6.20E-05	1.25E-04
5202 497363.09, 3864877.25	0.00168	0.00164	2.55E-04	2.60E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.60E-05	1.34E-04	6.60E-05	6.44E-05	1.30E-04	6.51E-05	6.35E-05	1.29E-04
5203 497863.09, 3864877.25	0.00175	0.0017	2.66E-04	2.69E-04	2.51E-04	2.57E-04	2.42E-04	7.04E-05	6.84E-05	1.39E-04	6.87E-05	6.68E-05	1.35E-04	6.78E-05	6.59E-05	1.34E-04
5204 498363.09, 3864877.25	0.00189	0.00185	2.87E-04	2.93E-04	2.71E-04	2.77E-04	2.61E-04	7.61E-05	7.44E-05	1.51E-04	7.42E-05	7.26E-05	1.47E-04	7.32E-05	7.17E-05	1.45E-04
5205 471363.09, 3865377.25	0.00085	0.00083	1.29E-04	1.31E-04	1.22E-04	1.25E-04	1.18E-04	3.42E-05	3.34E-05	6.76E-05	3.34E-05	3.26E-05	6.60E-05	3.29E-05	3.22E-05	6.51E-05
5206 471863.09, 3865377.25	0.00086	0.00084	1.31E-04	1.33E-04	1.23E-04	1.26E-04	1.19E-04	3.46E-05	3.38E-05	6.84E-05	3.38E-05	3.30E-05	6.68E-05	3.33E-05	3.25E-05	6.59E-05
5207 472363.09, 3865377.25	0.00087	0.00085	1.32E-04	1.35E-04	1.25E-04	1.28E-04	1.20E-04	3.50E-05	3.42E-05	6.92E-05	3.42E-05	3.34E-05	6.75E-05	3.37E-05	3.29E-05	6.66E-05
5208 472863.09, 3865377.25	0.00089	0.00087	1.35E-04	1.38E-04	1.27E-04	1.30E-04	1.23E-04	3.58E-05	3.50E-05	7.08E-05	3.50E-05	3.42E-05	6.91E-05	3.45E-05	3.37E-05	6.82E-05
5209 473363.09, 3865377.25	0.0009	0.00088	1.37E-04	1.39E-04	1.29E-04	1.32E-04	1.24E-04	3.62E-05	3.54E-05	7.16E-05	3.53E-05	3.46E-05	6.99E-05	3.49E-05	3.41E-05	6.90E-05
5210 473863.09, 3865377.25	0.00091	0.00089	1.38E-04	1.41E-04	1.30E-04	1.33E-04	1.26E-04	3.66E-05	3.58E-05	7.24E-05	3.57E-05	3.50E-05	7.07E-05	3.53E-05	3.45E-05	6.97E-05

5211 474363.09, 3865377.25	0.00093	0.0009	1.41E-04	1.42E-04	1.33E-04	1.36E-04	1.29E-04	3.74E-05	3.62E-05	7.36E-05	3.65E-05	3.53E-05	7.19E-05	3.60E-05	3.49E-05	7.09E-05
5212 474863.09, 3865377.25	0.00094	0.00091	1.43E-04	1.44E-04	1.35E-04	1.38E-04	1.30E-04	3.78E-05	3.66E-05	7.44E-05	3.69E-05	3.57E-05	7.26E-05	3.64E-05	3.53E-05	7.17E-05
5213 475363.09, 3865377.25	0.00096	0.00093	1.46E-04	1.47E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.74E-05	7.61E-05	3.77E-05	3.65E-05	7.42E-05	3.72E-05	3.60E-05	7.32E-05
5214 475863.09, 3865377.25	0.00097	0.00094	1.47E-04	1.49E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.78E-05	7.69E-05	3.81E-05	3.69E-05	7.50E-05	3.76E-05	3.64E-05	7.40E-05
5215 476363.09, 3865377.25	0.00099	0.00096	1.50E-04	1.52E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.86E-05	7.85E-05	3.89E-05	3.77E-05	7.66E-05	3.84E-05	3.72E-05	7.56E-05
5216 476863.09, 3865377.25	0.00096	0.00095	1.46E-04	1.50E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.82E-05	7.69E-05	3.77E-05	3.73E-05	7.50E-05	3.72E-05	3.68E-05	7.40E-05
5217 477363.09, 3865377.25	0.00102	0.00099	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.10E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.84E-05	7.79E-05
5218 477863.09, 3865377.25	0.00104	0.00101	1.58E-04	1.60E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.06E-05	8.25E-05	4.08E-05	3.97E-05	8.05E-05	4.03E-05	3.91E-05	7.94E-05
5219 478363.09, 3865377.25	0.00105	0.00102	1.60E-04	1.61E-04	1.50E-04	1.54E-04	1.45E-04	4.23E-05	4.10E-05	8.33E-05	4.12E-05	4.01E-05	8.13E-05	4.07E-05	3.95E-05	8.02E-05
5220 478863.09, 3865377.25	0.00107	0.00104	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.49E-05	4.20E-05	4.08E-05	8.29E-05	4.15E-05	4.03E-05	8.18E-05
5221 479363.09, 3865377.25	0.00108	0.00106	1.64E-04	1.68E-04	1.55E-04	1.58E-04	1.49E-04	4.35E-05	4.27E-05	8.61E-05	4.24E-05	4.16E-05	8.40E-05	4.18E-05	4.11E-05	8.29E-05
5222 479863.09, 3865377.25	0.0011	0.00107	1.67E-04	1.69E-04	1.57E-04	1.61E-04	1.52E-04	4.43E-05	4.31E-05	8.73E-05	4.32E-05	4.20E-05	8.52E-05	4.26E-05	4.15E-05	8.41E-05
5223 480363.09, 3865377.25	0.00112	0.00109	1.70E-04	1.73E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.39E-05	8.89E-05	4.40E-05	4.28E-05	8.68E-05	4.34E-05	4.22E-05	8.56E-05
5224 480863.09, 3865377.25	0.00114	0.00111	1.73E-04	1.76E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.47E-05	9.05E-05	4.48E-05	4.36E-05	8.84E-05	4.42E-05	4.30E-05	8.72E-05
5225 481363.09, 3865377.25	0.00117	0.00113	1.78E-04	1.79E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.55E-05	9.26E-05	4.59E-05	4.44E-05	9.03E-05	4.53E-05	4.38E-05	8.91E-05
5226 481863.09, 3865377.25	0.00119	0.00115	1.81E-04	1.82E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.63E-05	9.42E-05	4.67E-05	4.52E-05	9.19E-05	4.61E-05	4.46E-05	9.07E-05
5227 482363.09, 3865377.25	0.0012	0.00117	1.82E-04	1.85E-04	1.72E-04	1.76E-04	1.66E-04	4.83E-05	4.71E-05	9.54E-05	4.71E-05	4.59E-05	9.31E-05	4.65E-05	4.53E-05	9.18E-05
5228 482863.09, 3865377.25	0.00122	0.00119	1.85E-04	1.88E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.79E-05	9.70E-05	4.79E-05	4.67E-05	9.46E-05	4.73E-05	4.61E-05	9.34E-05
5229 483363.09, 3865377.25	0.00124	0.00121	1.88E-04	1.92E-04	1.78E-04	1.82E-04	1.72E-04	4.99E-05	4.87E-05	9.86E-05	4.87E-05	4.75E-05	9.62E-05	4.80E-05	4.69E-05	9.49E-05
5230 483863.09, 3865377.25	0.00126	0.00123	1.91E-04	1.95E-04	1.80E-04	1.85E-04	1.74E-04	5.07E-05	4.95E-05	1.00E-04	4.95E-05	4.83E-05	9.78E-05	4.88E-05	4.77E-05	9.65E-05
5231 484363.09, 3865377.25	0.00127	0.00125	1.93E-04	1.98E-04	1.82E-04	1.86E-04	1.76E-04	5.11E-05	5.03E-05	1.01E-04	4.99E-05	4.91E-05	9.90E-05	4.92E-05	4.84E-05	9.76E-05
5232 484863.09, 3865377.25	0.0013	0.00128	1.98E-04	2.03E-04	1.86E-04	1.91E-04	1.80E-04	5.23E-05	5.15E-05	1.04E-04	5.11E-05	5.03E-05	1.01E-04	5.04E-05	4.96E-05	1.00E-04
5233 485363.09, 3865377.25	0.00132	0.0013	2.01E-04	2.06E-04	1.89E-04	1.94E-04	1.83E-04	5.31E-05	5.23E-05	1.05E-04	5.18E-05	5.11E-05	1.03E-04	5.11E-05	5.04E-05	1.02E-04
5234 485863.09, 3865377.25	0.00135	0.00133	2.05E-04	2.11E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.35E-05	1.08E-04	5.30E-05	5.22E-05	1.05E-04	5.23E-05	5.15E-05	1.04E-04
5235 486363.09, 3865377.25	0.00136	0.00135	2.07E-04	2.14E-04	1.95E-04	1.99E-04	1.88E-04	5.47E-05	5.43E-05	1.09E-04	5.34E-05	5.30E-05	1.06E-04	5.27E-05	5.23E-05	1.05E-04
5236 486863.09, 3865377.25	0.00138	0.00136	2.10E-04	2.15E-04	1.98E-04	2.02E-04	1.91E-04	5.55E-05	5.47E-05	1.10E-04	5.42E-05	5.34E-05	1.08E-04	5.35E-05	5.27E-05	1.06E-04
5237 487363.09, 3865377.25	0.0014	0.00138	2.13E-04	2.18E-04	2.00E-04	2.05E-04	1.94E-04	5.63E-05	5.55E-05	1.12E-04	5.50E-05	5.42E-05	1.09E-04	5.42E-05	5.35E-05	1.08E-04
5238 487863.09, 3865377.25	0.00142	0.00141	2.16E-04	2.23E-04	2.03E-04	2.08E-04	1.96E-04	5.71E-05	5.67E-05	1.14E-04	5.58E-05	5.54E-05	1.11E-04	5.50E-05	5.46E-05	1.10E-04
5239 488363.09, 3865377.25	0.00145	0.00143	2.20E-04	2.26E-04	2.08E-04	2.13E-04	2.01E-04	5.84E-05	5.75E-05	1.16E-04	5.69E-05	5.62E-05	1.13E-04	5.62E-05	5.54E-05	1.12E-04
5240 488863.09, 3865377.25	0.0015	0.00146	2.28E-04	2.31E-04	2.15E-04	2.20E-04	2.07E-04	6.04E-05	5.88E-05	1.19E-04	5.89E-05	5.73E-05	1.16E-04	5.81E-05	5.66E-05	1.15E-04
5241 489363.09, 3865377.25	0.00154	0.0015	2.34E-04	2.37E-04	2.20E-04	2.26E-04	2.13E-04	6.20E-05	6.04E-05	1.22E-04	6.05E-05	5.89E-05	1.19E-04	5.97E-05	5.81E-05	1.18E-04
5242 489863.09, 3865377.25	0.00157	0.00152	2.39E-04	2.41E-04	2.25E-04	2.30E-04	2.17E-04	6.32E-05	6.12E-05	1.24E-04	6.17E-05	5.97E-05	1.21E-04	6.08E-05	5.89E-05	1.20E-04
5243 490363.09, 3865377.25	0.00141	0.00137	2.14E-04	2.17E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.51E-05	1.12E-04	5.54E-05	5.38E-05	1.09E-04	5.46E-05	5.31E-05	1.08E-04
5244 490863.09, 3865377.25	0.00137	0.00131	2.08E-04	2.07E-04	1.96E-04	2.01E-04	1.89E-04	5.51E-05	5.27E-05	1.08E-04	5.38E-05	5.14E-05	1.05E-04	5.31E-05	5.08E-05	1.04E-04
5245 491363.09, 3865377.25	0.00134	0.00129	2.04E-04	2.04E-04	1.92E-04	1.96E-04	1.85E-04	5.39E-05	5.19E-05	1.06E-04	5.26E-05	5.07E-05	1.03E-04	5.19E-05	5.00E-05	1.02E-04
5246 491863.09, 3865377.25	0.00134	0.00132	2.04E-04	2.09E-04	1.92E-04	1.96E-04	1.85E-04	5.39E-05	5.31E-05	1.07E-04	5.26E-05	5.18E-05	1.04E-04	5.19E-05	5.11E-05	1.03E-04
5247 492363.09, 3865377.25	0.00113	0.00116	1.72E-04	1.84E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.67E-05	9.22E-05	4.44E-05	4.56E-05	8.99E-05	4.38E-05	4.49E-05	8.87E-05
5248 492863.09, 3865377.25	0.00095	0.00102	1.44E-04	1.61E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	4.10E-05	7.93E-05	3.73E-05	4.01E-05	7.74E-05	3.68E-05	3.95E-05	7.63E-05
5249 493363.09, 3865377.25	0.00087	0.00093	1.32E-04	1.47E-04	1.25E-04	1.28E-04	1.20E-04	3.50E-05	3.74E-05	7.24E-05	3.42E-05	3.65E-05	7.07E-05	3.37E-05	3.60E-05	6.97E-05
5250 493863.09, 3865377.25	0.00098	0.00103	1.49E-04	1.63E-04	1.40E-04	1.44E-04	1.36E-04	3.94E-05	4.15E-05	8.09E-05	3.85E-05	4.04E-05	7.89E-05	3.80E-05	3.99E-05	7.79E-05
5251 494363.09, 3865377.25	0.00113	0.00114	1.72E-04	1.80E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.59E-05	9.14E-05	4.44E-05	4.48E-05	8.91E-05	4.38E-05	4.42E-05	8.80E-05
5252 494863.09, 3865377.25	0.00125	0.00121	1.90E-04	1.92E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	4.87E-05	9.90E-05	4.91E-05	4.75E-05	9.66E-05	4.84E-05	4.69E-05	9.53E-05
5253 495363.09, 3865377.25	0.00131	0.00125	1.99E-04	1.98E-04	1.88E-04	1.92E-04	1.81E-04	5.27E-05	5.03E-05	1.03E-04	5.14E-05	4.91E-05	1.01E-04	5.08E-05	4.84E-05	9.92E-05
5254 495863.09, 3865377.25	0.00139	0.00138	2.11E-04	2.18E-04	1.99E-04	2.04E-04	1.92E-04	5.59E-05	5.55E-05	1.11E-04	5.46E-05	5.42E-05	1.09E-04	5.39E-05	5.35E-05	1.07E-04
5255 496363.09, 3865377.25	0.00129	0.00132	1.96E-04	2.09E-04	1.85E-04	1.89E-04	1.78E-04	5.19E-05	5.31E-05	1.05E-04	5.07E-05	5.18E-05	1.02E-04	5.00E-05	5.11E-05	1.01E-04
5256 496863.09, 3865377.25	0.00125	0.00129	1.90E-04	2.04E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	5.19E-05	1.02E-04	4.91E-05	5.07E-05	9.97E-05	4.84E-05	5.00E-05	9.84E-05
5257 497363.09, 3865377.25	0.00137	0.00137	2.08E-04	2.17E-04	1.96E-04	2.01E-04	1.89E-04	5.51E-05	5.51E-05	1.10E-04	5.38E-05	5.38E-05	1.08E-04	5.31E-05	5.31E-05	1.06E-04
5258 497863.09, 3865377.25	0.00142	0.00138	2.16E-04	2.18E-04	2.03E-04	2.08E-04	1.96E-04	5.71E-05	5.55E-05	1.13E-04	5.58E-05	5.42E-05	1.10E-04	5.50E-05	5.35E-05	1.08E-04
5259 498363.09, 3865377.25	0.00139	0.00135	2.11E-04	2.14E-04	1.99E-04	2.04E-04	1.92E-04	5.59E-05	5.43E-05	1.10E-04	5.46E-05	5.30E-05	1.08E-04	5.39E-05	5.23E-05	1.06E-04
5260 471363.09, 3865877.25	0.00082	0.0008	1.25E-04	1.27E-04	1.17E-04	1.20E-04	1.13E-04	3.30E-05	3.22E-05	6.52E-05	3.22E-05	3.14E-05	6.36E-05	3.18E-05	3.10E-05	6.28E-05
5261 471863.09, 3865877.25	0.00084	0.00082	1.28E-04	1.30E-04	1.20E-04	1.23E-04	1.16E-04	3.38E-05	3.30E-05	6.68E-05	3.30E-05	3.22E-05	6.52E-05	3.25E-05	3.18E-05	6.43E-05
5262 472363.09, 3865877.25	0.00085	0.00083	1.29E-04	1.31E-04	1.22E-04	1.25E-04	1.18E-04	3.42E-05	3.34E-05	6.76E-05	3.34E-05	3.26E-05	6.60E-05	3.29E-05	3.22E-05	6.51E-05
5263 472863.09, 3865877.25	0.00086	0.00084	1.31E-04	1.33E-04	1.23E-04	1.26E-04	1.19E-04	3.46E-05	3.38E-05	6.84E-05	3.38E-05	3.30E-05	6.68E-05	3.33E-05	3.25E-05	6.59E-05
5264 473363.09, 3865877.25	0.00087	0.00085	1.32E-04	1.35E-04	1.25E-04	1.28E-04	1.20E-04	3.50E-05	3.42E-05	6.92E-05	3.42E-05	3.34E-05	6.75E-05	3.37E-05	3.29E-05	6.66E-05
5265 473863.09, 3865877.25	0.00089	0.00086	1.35E-04	1.36E-04	1.27E-04	1.30E-04	1.23E-04	3.58E-05	3.46E-05	7.04E-05	3.50E-05	3.38E-05	6.87E-05	3.45E-05	3.33E-05	6.78E-05
5266 474363.09, 3865877.25	0.0009	0.00088	1.37E-04	1.39E-04	1.29E-04	1.32E-04	1.24E-04	3.62E-05	3.54E-05	7.16E-05	3.53E-05	3.46E-05	6.99E-05	3.49E-05	3.41E-05	6.90E-05
5267 474863.09, 3865877.25	0.00092	0.00089	1.40E-04	1.41E-04	1.32E-04	1.35E-04	1.27E-04	3.70E-05	3.58E-05	7.28E-05	3.61E-05	3.50E-05	7.11E-05	3.56E-05	3.45E-05	7.01E-05
5268 475363.09, 3865877.25	0.00093	0.0009	1.41E-04	1.42E-04	1.33E-04	1.36E-04	1.29E-04	3.74E-05	3.62E-05	7.36E-05	3.65E-05	3.53E-05	7.19E-05	3.60E-05	3.49E-05	7.09E-05
5269 475863.09, 3865877.25	0.00095	0.00092	1.44E-04	1.46E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.70E-05	7.53E-05	3.73E-05	3.61E-05	7.34E-05	3.68E-05	3.56E-05	7.25E-05
5270 476363.09, 3865877.25	0.00095	0.00093	1.44E-04	1.47E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.74E-05	7.57E-05	3.73E-05	3.65E-05	7.38E-05	3.68E-05	3.60E-05	7.28E-05
5271 476863.09, 3865877.25	0.00093	0.00092	1.41E-04	1.46E-04	1.33E-04	1.36E-04	1.29E-04	3.74E-05	3.70E-05	7.44E-05	3.65E-05	3.61E-05	7.26E-05	3.60E-05	3.56E-05	7.17E-05
5272 477363.09, 3865877.25	0.00099	0.00096	1.50E-04	1.52E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.86E-05	7.85E-05	3.89E-05	3.77E-05	7.66E-05	3.84E-05	3.72E-05	7.56E-05
5273 477863.09, 3865877.25	0.001	0.00098	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.78E-05	3.87E-05	3.80E-05	7.67E-05
5274 478363.09, 3865877.25	0.00101	0.00099	1.53E-04	1.57E-04	1.45E-04	1.48E-04	1.40E-04	4.06E-05	3.98E-05	8.05E-05	3.97E-05	3.89E-05	7.85E-05	3.91E-05	3.84E-05	7.75E-05
5275 478863.09, 3865877.25	0.00102	0.001	1.55E-04	1.58E-04	1.46E-04	1.50E-04	1.41E-04	4.10E-05	4.02E-05	8.13E-05	4.01E-05	3.93E-05	7.93E-05	3.95E-05	3.87E-05	7.83E-05
5276 479363.09, 3865877.25	0.00103	0.00101	1.57E-04	1.60E-04	1.47E-04	1.51E-04	1.42E-04	4.15E-05	4.06E-05	8.21E-05	4.04E-05	3.97E-05	8.01E-05	3.99E-05	3.91E-05	7.90E-05

5277 479863.09, 3865877.25	0.00104	0.00102	1.58E-04	1.61E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.10E-05	8.29E-05	4.08E-05	4.01E-05	8.09E-05	4.03E-05	3.95E-05	7.98E-05
5278 480363.09, 3865877.25	0.00106	0.00103	1.61E-04	1.63E-04	1.52E-04	1.55E-04	1.47E-04	4.27E-05	4.15E-05	8.41E-05	4.16E-05	4.04E-05	8.21E-05	4.11E-05	3.99E-05	8.10E-05
5279 480863.09, 3865877.25	0.00107	0.00105	1.63E-04	1.66E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.23E-05	8.53E-05	4.20E-05	4.12E-05	8.33E-05	4.15E-05	4.07E-05	8.21E-05
5280 481363.09, 3865877.25	0.0011	0.00107	1.67E-04	1.69E-04	1.57E-04	1.61E-04	1.52E-04	4.43E-05	4.31E-05	8.73E-05	4.32E-05	4.20E-05	8.52E-05	4.26E-05	4.15E-05	8.41E-05
5281 481863.09, 3865877.25	0.00111	0.00108	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.35E-05	8.81E-05	4.36E-05	4.24E-05	8.60E-05	4.30E-05	4.18E-05	8.49E-05
5282 482363.09, 3865877.25	0.00112	0.0011	1.70E-04	1.74E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.43E-05	8.93E-05	4.40E-05	4.32E-05	8.72E-05	4.34E-05	4.26E-05	8.60E-05
5283 482863.09, 3865877.25	0.00114	0.00111	1.73E-04	1.76E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.47E-05	9.05E-05	4.48E-05	4.36E-05	8.84E-05	4.42E-05	4.30E-05	8.72E-05
5284 483363.09, 3865877.25	0.00116	0.00113	1.76E-04	1.79E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.55E-05	9.22E-05	4.56E-05	4.44E-05	8.99E-05	4.49E-05	4.38E-05	8.87E-05
5285 483863.09, 3865877.25	0.00117	0.00115	1.78E-04	1.82E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.63E-05	9.34E-05	4.59E-05	4.52E-05	9.11E-05	4.53E-05	4.46E-05	8.99E-05
5286 484363.09, 3865877.25	0.00119	0.00117	1.81E-04	1.85E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.71E-05	9.50E-05	4.67E-05	4.59E-05	9.27E-05	4.61E-05	4.53E-05	9.14E-05
5287 484863.09, 3865877.25	0.00121	0.00119	1.84E-04	1.88E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	4.79E-05	9.66E-05	4.75E-05	4.67E-05	9.42E-05	4.69E-05	4.61E-05	9.30E-05
5288 485363.09, 3865877.25	0.00122	0.00121	1.85E-04	1.92E-04	1.75E-04	1.79E-04	1.69E-04	4.91E-05	4.87E-05	9.78E-05	4.79E-05	4.75E-05	9.54E-05	4.73E-05	4.69E-05	9.42E-05
5289 485863.09, 3865877.25	0.00124	0.00122	1.88E-04	1.93E-04	1.78E-04	1.82E-04	1.72E-04	4.99E-05	4.91E-05	9.90E-05	4.87E-05	4.79E-05	9.66E-05	4.80E-05	4.73E-05	9.53E-05
5290 486363.09, 3865877.25	0.00125	0.00123	1.90E-04	1.95E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	4.95E-05	9.98E-05	4.91E-05	4.83E-05	9.74E-05	4.84E-05	4.77E-05	9.61E-05
5291 486863.09, 3865877.25	0.00126	0.00125	1.91E-04	1.98E-04	1.80E-04	1.85E-04	1.74E-04	5.07E-05	5.03E-05	1.01E-04	4.95E-05	4.91E-05	9.86E-05	4.88E-05	4.84E-05	9.73E-05
5292 487363.09, 3865877.25	0.00128	0.00127	1.94E-04	2.01E-04	1.83E-04	1.88E-04	1.77E-04	5.15E-05	5.11E-05	1.03E-04	5.03E-05	4.99E-05	1.00E-04	4.96E-05	4.92E-05	9.88E-05
5293 487863.09, 3865877.25	0.00131	0.0013	1.99E-04	2.06E-04	1.88E-04	1.92E-04	1.81E-04	5.27E-05	5.23E-05	1.05E-04	5.14E-05	5.11E-05	1.02E-04	5.08E-05	5.04E-05	1.01E-04
5294 488363.09, 3865877.25	0.00134	0.00133	2.04E-04	2.11E-04	1.92E-04	1.96E-04	1.85E-04	5.39E-05	5.35E-05	1.07E-04	5.26E-05	5.22E-05	1.05E-04	5.19E-05	5.15E-05	1.03E-04
5295 488863.09, 3865877.25	0.00138	0.00135	2.10E-04	2.14E-04	1.98E-04	2.02E-04	1.91E-04	5.55E-05	5.43E-05	1.10E-04	5.42E-05	5.30E-05	1.07E-04	5.35E-05	5.23E-05	1.06E-04
5296 489363.09, 3865877.25	0.00141	0.00137	2.14E-04	2.17E-04	2.02E-04	2.07E-04	1.95E-04	5.67E-05	5.51E-05	1.12E-04	5.54E-05	5.38E-05	1.09E-04	5.46E-05	5.31E-05	1.08E-04
5297 489863.09, 3865877.25	0.00142	0.00138	2.16E-04	2.18E-04	2.03E-04	2.08E-04	1.96E-04	5.71E-05	5.55E-05	1.13E-04	5.58E-05	5.42E-05	1.10E-04	5.50E-05	5.35E-05	1.08E-04
5298 490363.09, 3865877.25	0.00137	0.00133	2.08E-04	2.11E-04	1.96E-04	2.01E-04	1.89E-04	5.51E-05	5.35E-05	1.09E-04	5.38E-05	5.22E-05	1.06E-04	5.31E-05	5.15E-05	1.05E-04
5299 490863.09, 3865877.25	0.00128	0.00123	1.94E-04	1.95E-04	1.83E-04	1.88E-04	1.77E-04	5.15E-05	4.95E-05	1.01E-04	5.03E-05	4.83E-05	9.86E-05	4.96E-05	4.77E-05	9.73E-05
5300 491363.09, 3865877.25	0.00119	0.00115	1.81E-04	1.82E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.63E-05	9.42E-05	4.67E-05	4.52E-05	9.19E-05	4.61E-05	4.46E-05	9.07E-05
5301 491863.09, 3865877.25	0.00119	0.00116	1.81E-04	1.84E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.67E-05	9.46E-05	4.67E-05	4.56E-05	9.23E-05	4.61E-05	4.49E-05	9.11E-05
5302 492363.09, 3865877.25	0.00112	0.00113	1.70E-04	1.79E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.55E-05	9.05E-05	4.40E-05	4.44E-05	8.84E-05	4.34E-05	4.38E-05	8.72E-05
5303 492863.09, 3865877.25	0.00092	0.00097	1.40E-04	1.54E-04	1.32E-04	1.35E-04	1.27E-04	3.70E-05	3.90E-05	7.61E-05	3.61E-05	3.81E-05	7.42E-05	3.56E-05	3.76E-05	7.32E-05
5304 493363.09, 3865877.25	0.00088	0.00094	1.34E-04	1.49E-04	1.26E-04	1.29E-04	1.22E-04	3.54E-05	3.78E-05	7.32E-05	3.46E-05	3.69E-05	7.15E-05	3.41E-05	3.64E-05	7.05E-05
5305 493863.09, 3865877.25	0.00092	0.00098	1.40E-04	1.55E-04	1.32E-04	1.35E-04	1.27E-04	3.70E-05	3.94E-05	7.65E-05	3.61E-05	3.85E-05	7.46E-05	3.56E-05	3.80E-05	7.36E-05
5306 494363.09, 3865877.25	0.00099	0.00104	1.50E-04	1.65E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	4.19E-05	8.17E-05	3.89E-05	4.08E-05	7.97E-05	3.84E-05	4.03E-05	7.87E-05
5307 494863.09, 3865877.25	0.00113	0.00114	1.72E-04	1.80E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.59E-05	9.14E-05	4.44E-05	4.48E-05	8.91E-05	4.38E-05	4.42E-05	8.80E-05
5308 495363.09, 3865877.25	0.00116	0.00113	1.76E-04	1.79E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.55E-05	9.22E-05	4.56E-05	4.44E-05	8.99E-05	4.49E-05	4.38E-05	8.87E-05
5309 495863.09, 3865877.25	0.00117	0.00112	1.78E-04	1.77E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.51E-05	9.22E-05	4.59E-05	4.40E-05	8.99E-05	4.53E-05	4.34E-05	8.87E-05
5310 496363.09, 3865877.25	0.00112	0.00111	1.70E-04	1.76E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.47E-05	8.97E-05	4.40E-05	4.36E-05	8.76E-05	4.34E-05	4.30E-05	8.64E-05
5311 496863.09, 3865877.25	0.00106	0.0011	1.61E-04	1.74E-04	1.52E-04	1.55E-04	1.47E-04	4.27E-05	4.43E-05	8.69E-05	4.16E-05	4.32E-05	8.48E-05	4.11E-05	4.26E-05	8.37E-05
5312 497363.09, 3865877.25	0.00109	0.00113	1.66E-04	1.79E-04	1.56E-04	1.60E-04	1.51E-04	4.39E-05	4.55E-05	8.93E-05	4.28E-05	4.44E-05	8.72E-05	4.22E-05	4.38E-05	8.60E-05
5313 497863.09, 3865877.25	0.00114	0.00116	1.73E-04	1.84E-04	1.63E-04	1.67E-04	1.58E-04	4.59E-05	4.67E-05	9.26E-05	4.48E-05	4.56E-05	9.03E-05	4.42E-05	4.49E-05	8.91E-05
5314 498363.09, 3865877.25	0.00107	0.00105	1.63E-04	1.66E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.23E-05	8.53E-05	4.20E-05	4.12E-05	8.33E-05	4.15E-05	4.07E-05	8.21E-05
5315 471363.09, 3866377.25	0.0008	0.00079	1.22E-04	1.25E-04	1.15E-04	1.17E-04	1.11E-04	3.22E-05	3.18E-05	6.40E-05	3.14E-05	3.10E-05	6.24E-05	3.10E-05	3.06E-05	6.16E-05
5316 471863.09, 3866377.25	0.00081	0.0008	1.23E-04	1.27E-04	1.16E-04	1.19E-04	1.12E-04	3.26E-05	3.22E-05	6.48E-05	3.18E-05	3.14E-05	6.32E-05	3.14E-05	3.10E-05	6.24E-05
5317 472363.09, 3866377.25	0.00083	0.00081	1.26E-04	1.28E-04	1.19E-04	1.22E-04	1.15E-04	3.34E-05	3.26E-05	6.60E-05	3.26E-05	3.18E-05	6.44E-05	3.22E-05	3.14E-05	6.35E-05
5318 472863.09, 3866377.25	0.00084	0.00082	1.28E-04	1.30E-04	1.20E-04	1.23E-04	1.16E-04	3.38E-05	3.30E-05	6.68E-05	3.30E-05	3.22E-05	6.52E-05	3.25E-05	3.18E-05	6.43E-05
5319 473363.09, 3866377.25	0.00085	0.00083	1.29E-04	1.31E-04	1.22E-04	1.25E-04	1.18E-04	3.42E-05	3.34E-05	6.76E-05	3.34E-05	3.26E-05	6.60E-05	3.29E-05	3.22E-05	6.51E-05
5320 473863.09, 3866377.25	0.00087	0.00084	1.32E-04	1.33E-04	1.25E-04	1.28E-04	1.20E-04	3.50E-05	3.38E-05	6.88E-05	3.42E-05	3.30E-05	6.72E-05	3.37E-05	3.25E-05	6.63E-05
5321 474363.09, 3866377.25	0.00088	0.00086	1.34E-04	1.36E-04	1.26E-04	1.29E-04	1.22E-04	3.54E-05	3.46E-05	7.00E-05	3.46E-05	3.38E-05	6.83E-05	3.41E-05	3.33E-05	6.74E-05
5322 474863.09, 3866377.25	0.00089	0.00087	1.35E-04	1.38E-04	1.27E-04	1.30E-04	1.23E-04	3.58E-05	3.50E-05	7.08E-05	3.50E-05	3.42E-05	6.91E-05	3.45E-05	3.37E-05	6.82E-05
5323 475363.09, 3866377.25	0.0009	0.00088	1.37E-04	1.39E-04	1.29E-04	1.32E-04	1.24E-04	3.62E-05	3.54E-05	7.16E-05	3.53E-05	3.46E-05	6.99E-05	3.49E-05	3.41E-05	6.90E-05
5324 475863.09, 3866377.25	0.00091	0.00089	1.38E-04	1.41E-04	1.30E-04	1.33E-04	1.26E-04	3.66E-05	3.58E-05	7.24E-05	3.57E-05	3.50E-05	7.07E-05	3.53E-05	3.45E-05	6.97E-05
5325 476363.09, 3866377.25	0.00092	0.0009	1.40E-04	1.42E-04	1.32E-04	1.35E-04	1.27E-04	3.70E-05	3.62E-05	7.32E-05	3.61E-05	3.53E-05	7.15E-05	3.56E-05	3.49E-05	7.05E-05
5326 476863.09, 3866377.25	0.00087	0.00087	1.32E-04	1.38E-04	1.25E-04	1.28E-04	1.20E-04	3.50E-05	3.50E-05	7.00E-05	3.42E-05	3.42E-05	6.83E-05	3.37E-05	3.37E-05	6.74E-05
5327 477363.09, 3866377.25	0.00092	0.00091	1.40E-04	1.44E-04	1.32E-04	1.35E-04	1.27E-04	3.70E-05	3.66E-05	7.36E-05	3.61E-05	3.57E-05	7.19E-05	3.56E-05	3.53E-05	7.09E-05
5328 477863.09, 3866377.25	0.00096	0.00093	1.46E-04	1.47E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.74E-05	7.61E-05	3.77E-05	3.65E-05	7.42E-05	3.72E-05	3.60E-05	7.32E-05
5329 478363.09, 3866377.25	0.00096	0.00094	1.46E-04	1.49E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.78E-05	7.65E-05	3.77E-05	3.69E-05	7.46E-05	3.72E-05	3.64E-05	7.36E-05
5330 478863.09, 3866377.25	0.00097	0.00095	1.47E-04	1.50E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.82E-05	7.73E-05	3.81E-05	3.73E-05	7.54E-05	3.76E-05	3.68E-05	7.44E-05
5331 479363.09, 3866377.25	0.00098	0.00096	1.49E-04	1.52E-04	1.40E-04	1.44E-04	1.36E-04	3.94E-05	3.86E-05	7.81E-05	3.85E-05	3.77E-05	7.62E-05	3.80E-05	3.72E-05	7.52E-05
5332 479863.09, 3866377.25	0.00099	0.00097	1.50E-04	1.54E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.90E-05	7.89E-05	3.89E-05	3.81E-05	7.70E-05	3.84E-05	3.76E-05	7.59E-05
5333 480363.09, 3866377.25	0.001	0.00098	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.78E-05	3.87E-05	3.80E-05	7.67E-05
5334 480863.09, 3866377.25	0.00102	0.00099	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.10E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.84E-05	7.79E-05
5335 481363.09, 3866377.25	0.00104	0.00101	1.58E-04	1.60E-04	1.49E-04	1.52E-04	1.44E-04	4.19E-05	4.06E-05	8.25E-05	4.08E-05	3.97E-05	8.05E-05	4.03E-05	3.91E-05	7.94E-05
5336 481863.09, 3866377.25	0.00105	0.00102	1.60E-04	1.61E-04	1.50E-04	1.54E-04	1.45E-04	4.23E-05	4.10E-05	8.33E-05	4.12E-05	4.01E-05	8.13E-05	4.07E-05	3.95E-05	8.02E-05
5337 482363.09, 3866377.25	0.00106	0.00103	1.61E-04	1.63E-04	1.52E-04	1.55E-04	1.47E-04	4.27E-05	4.15E-05	8.41E-05	4.16E-05	4.04E-05	8.21E-05	4.11E-05	3.99E-05	8.10E-05
5338 482863.09, 3866377.25	0.00107	0.00105	1.63E-04	1.66E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.23E-05	8.53E-05	4.20E-05	4.12E-05	8.33E-05	4.15E-05	4.07E-05	8.21E-05
5339 483363.09, 3866377.25	0.00108	0.00106	1.64E-04	1.68E-04	1.55E-04	1.58E-04	1.49E-04	4.35E-05	4.27E-05	8.61E-05	4.24E-05	4.16E-05	8.40E-05	4.18E-05	4.11E-05	8.29E-05
5340 483863.09, 3866377.25	0.0011	0.00108	1.67E-04	1.71E-04	1.57E-04	1.61E-04	1.52E-04	4.43E-05	4.35E-05	8.77E-05	4.32E-05	4.24E-05	8.56E-05	4.26E-05	4.18E-05	8.45E-05
5341 484363.09, 3866377.25	0.0011	0.00109	1.67E-04	1.73E-04	1.57E-04	1.61E-04	1.52E-04	4.43E-05	4.39E-05	8.81E-05	4.32E-05	4.28E-05	8.60E-05	4.26E-05	4.22E-05	8.49E-05
5342 484863.09, 3866377.25	0.00112	0.0011	1.70E-04	1.74E-04	1.60E-04	1.64E-04	1.55E-04	4.51E-05	4.43E-05	8.93E-05	4.40E-05	4.32E-05	8.72E-05	4.34E-05	4.26E-05	8.60E-05

5343 485363.09, 3866377.25	0.00113	0.00112	1.72E-04	1.77E-04	1.62E-04	1.66E-04	1.56E-04	4.55E-05	4.51E-05	9.05E-05	4.44E-05	4.40E-05	8.84E-05	4.38E-05	4.34E-05	8.72E-05
5344 485863.09, 3866377.25	0.00115	0.00114	1.75E-04	1.80E-04	1.65E-04	1.69E-04	1.59E-04	4.63E-05	4.59E-05	9.22E-05	4.52E-05	4.48E-05	8.99E-05	4.46E-05	4.42E-05	8.87E-05
5345 486363.09, 3866377.25	0.00117	0.00116	1.78E-04	1.84E-04	1.67E-04	1.72E-04	1.62E-04	4.71E-05	4.67E-05	9.38E-05	4.59E-05	4.56E-05	9.15E-05	4.53E-05	4.49E-05	9.03E-05
5346 486863.09, 3866377.25	0.00119	0.00118	1.81E-04	1.87E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.75E-05	9.54E-05	4.67E-05	4.63E-05	9.31E-05	4.61E-05	4.57E-05	9.18E-05
5347 487363.09, 3866377.25	0.00121	0.0012	1.84E-04	1.90E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	4.83E-05	9.70E-05	4.75E-05	4.71E-05	9.46E-05	4.69E-05	4.65E-05	9.34E-05
5348 487863.09, 3866377.25	0.00121	0.0012	1.84E-04	1.90E-04	1.73E-04	1.77E-04	1.67E-04	4.87E-05	4.83E-05	9.70E-05	4.75E-05	4.71E-05	9.46E-05	4.69E-05	4.65E-05	9.34E-05
5349 488363.09, 3866377.25	0.00123	0.00122	1.87E-04	1.93E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.91E-05	9.86E-05	4.83E-05	4.79E-05	9.62E-05	4.77E-05	4.73E-05	9.49E-05
5350 488863.09, 3866377.25	0.00119	0.00118	1.81E-04	1.87E-04	1.70E-04	1.74E-04	1.65E-04	4.79E-05	4.75E-05	9.54E-05	4.67E-05	4.63E-05	9.31E-05	4.61E-05	4.57E-05	9.18E-05
5351 489363.09, 3866377.25	0.00116	0.00115	1.76E-04	1.82E-04	1.66E-04	1.70E-04	1.60E-04	4.67E-05	4.63E-05	9.30E-05	4.56E-05	4.52E-05	9.07E-05	4.49E-05	4.46E-05	8.95E-05
5352 489863.09, 3866377.25	0.00111	0.00109	1.69E-04	1.73E-04	1.59E-04	1.63E-04	1.54E-04	4.47E-05	4.39E-05	8.85E-05	4.36E-05	4.28E-05	8.64E-05	4.30E-05	4.22E-05	8.52E-05
5353 490363.09, 3866377.25	0.00125	0.00121	1.90E-04	1.92E-04	1.79E-04	1.83E-04	1.73E-04	5.03E-05	4.87E-05	9.90E-05	4.91E-05	4.75E-05	9.66E-05	4.84E-05	4.69E-05	9.53E-05
5354 490863.09, 3866377.25	0.00128	0.00124	1.94E-04	1.96E-04	1.83E-04	1.88E-04	1.77E-04	5.15E-05	4.99E-05	1.01E-04	5.03E-05	4.87E-05	9.90E-05	4.96E-05	4.80E-05	9.76E-05
5355 491363.09, 3866377.25	0.00123	0.00118	1.87E-04	1.87E-04	1.76E-04	1.80E-04	1.70E-04	4.95E-05	4.75E-05	9.70E-05	4.83E-05	4.63E-05	9.46E-05	4.77E-05	4.57E-05	9.34E-05
5356 491863.09, 3866377.25	0.00102	0.001	1.55E-04	1.58E-04	1.46E-04	1.50E-04	1.41E-04	4.10E-05	4.02E-05	8.13E-05	4.01E-05	3.93E-05	7.93E-05	3.95E-05	3.87E-05	7.83E-05
5357 492363.09, 3866377.25	0.00103	0.00102	1.57E-04	1.61E-04	1.47E-04	1.51E-04	1.42E-04	4.15E-05	4.10E-05	8.25E-05	4.04E-05	4.01E-05	8.05E-05	3.99E-05	3.95E-05	7.94E-05
5358 492863.09, 3866377.25	0.00094	0.00096	1.43E-04	1.52E-04	1.35E-04	1.38E-04	1.30E-04	3.78E-05	3.86E-05	7.65E-05	3.69E-05	3.77E-05	7.46E-05	3.64E-05	3.72E-05	7.36E-05
5359 493363.09, 3866377.25	0.00093	0.00096	1.41E-04	1.52E-04	1.33E-04	1.36E-04	1.29E-04	3.74E-05	3.86E-05	7.61E-05	3.65E-05	3.77E-05	7.42E-05	3.60E-05	3.72E-05	7.32E-05
5360 493863.09, 3866377.25	0.00094	0.00098	1.43E-04	1.55E-04	1.35E-04	1.38E-04	1.30E-04	3.78E-05	3.94E-05	7.73E-05	3.69E-05	3.85E-05	7.54E-05	3.64E-05	3.80E-05	7.44E-05
5361 494363.09, 3866377.25	0.00099	0.00104	1.50E-04	1.65E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	4.19E-05	8.17E-05	3.89E-05	4.08E-05	7.97E-05	3.84E-05	4.03E-05	7.87E-05
5362 494863.09, 3866377.25	0.00098	0.00102	1.49E-04	1.61E-04	1.40E-04	1.44E-04	1.36E-04	3.94E-05	4.10E-05	8.05E-05	3.85E-05	4.01E-05	7.85E-05	3.80E-05	3.95E-05	7.75E-05
5363 495363.09, 3866377.25	0.00096	0.00096	1.46E-04	1.52E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.86E-05	7.73E-05	3.77E-05	3.77E-05	7.54E-05	3.72E-05	3.72E-05	7.44E-05
5364 495863.09, 3866377.25	0.00096	0.00092	1.46E-04	1.46E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.70E-05	7.57E-05	3.77E-05	3.61E-05	7.38E-05	3.72E-05	3.56E-05	7.28E-05
5365 496363.09, 3866377.25	0.00097	0.00091	1.47E-04	1.44E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.66E-05	7.57E-05	3.81E-05	3.57E-05	7.38E-05	3.76E-05	3.53E-05	7.28E-05
5366 496863.09, 3866377.25	0.00094	0.00092	1.43E-04	1.46E-04	1.35E-04	1.38E-04	1.30E-04	3.78E-05	3.70E-05	7.49E-05	3.69E-05	3.61E-05	7.30E-05	3.64E-05	3.56E-05	7.21E-05
5367 497363.09, 3866377.25	0.00093	0.00097	1.41E-04	1.54E-04	1.33E-04	1.36E-04	1.29E-04	3.74E-05	3.90E-05	7.65E-05	3.65E-05	3.81E-05	7.46E-05	3.60E-05	3.76E-05	7.36E-05
5368 497863.09, 3866377.25	0.00094	0.00099	1.43E-04	1.57E-04	1.35E-04	1.38E-04	1.30E-04	3.78E-05	3.98E-05	7.77E-05	3.69E-05	3.89E-05	7.58E-05	3.64E-05	3.84E-05	7.48E-05
5369 498363.09, 3866377.25	0.00086	0.00089	1.31E-04	1.41E-04	1.23E-04	1.26E-04	1.19E-04	3.46E-05	3.58E-05	7.04E-05	3.38E-05	3.50E-05	6.87E-05	3.33E-05	3.45E-05	6.78E-05
5370 474494.92, 3848334.16	0.34234	0.34513	5.20E-02	5.46E-02	4.90E-02	5.02E-02	4.73E-02	1.38E-02	1.39E-02	2.77E-02	1.34E-02	1.36E-02	2.70E-02	1.33E-02	1.34E-02	2.66E-02
5371 475167.27, 3848920.79	0.40477	0.40714	6.15E-02	6.45E-02	5.79E-02	5.94E-02	5.60E-02	1.63E-02	1.64E-02	3.27E-02	1.59E-02	1.60E-02	3.19E-02	1.57E-02	1.58E-02	3.15E-02
5372 475297.89, 3848997.96	0.31387	0.31794	4.77E-02	5.03E-02	4.49E-02	4.60E-02	4.34E-02	1.26E-02	1.28E-02	2.54E-02	1.23E-02	1.25E-02	2.48E-02	1.22E-02	1.23E-02	2.45E-02
5373 475439.05, 3849062	0.36493	0.36945	5.55E-02	5.85E-02	5.22E-02	5.35E-02	5.05E-02	1.47E-02	1.49E-02	2.96E-02	1.43E-02	1.45E-02	2.88E-02	1.41E-02	1.43E-02	2.85E-02
5374 475486.86, 3849061.09	0.26939	0.27239	4.09E-02	4.31E-02	3.86E-02	3.95E-02	3.73E-02	1.08E-02	1.10E-02	2.18E-02	1.06E-02	1.07E-02	2.13E-02	1.04E-02	1.06E-02	2.10E-02
5375 475538.46, 3849075.56	0.2734	0.27625	4.15E-02	4.37E-02	3.91E-02	4.01E-02	3.78E-02	1.10E-02	1.11E-02	2.21E-02	1.07E-02	1.08E-02	2.16E-02	1.06E-02	1.07E-02	2.13E-02
5376 475751.79, 3849137.15	0.40125	0.40837	6.10E-02	6.47E-02	5.74E-02	5.88E-02	5.55E-02	1.61E-02	1.64E-02	3.26E-02	1.58E-02	1.60E-02	3.18E-02	1.55E-02	1.58E-02	3.14E-02
5377 476303.62, 3849223.38	0.36593	0.36812	5.56E-02	5.83E-02	5.24E-02	5.37E-02	5.06E-02	1.47E-02	1.48E-02	2.95E-02	1.44E-02	1.45E-02	2.88E-02	1.42E-02	1.43E-02	2.84E-02
5378 476304.51, 3849238.92	0.50773	0.5112	7.72E-02	8.09E-02	7.27E-02	7.44E-02	7.02E-02	2.04E-02	2.06E-02	4.10E-02	1.99E-02	2.01E-02	4.00E-02	1.97E-02	1.98E-02	3.95E-02
5379 476365.04, 3849247.98	0.45272	0.45779	6.88E-02	7.25E-02	6.48E-02	6.64E-02	6.26E-02	1.82E-02	1.84E-02	3.66E-02	1.78E-02	1.80E-02	3.58E-02	1.75E-02	1.77E-02	3.53E-02
5380 476444.86, 3849267.13	0.45395	0.46185	6.90E-02	7.31E-02	6.50E-02	6.66E-02	6.28E-02	1.83E-02	1.86E-02	3.69E-02	1.78E-02	1.81E-02	3.60E-02	1.76E-02	1.79E-02	3.55E-02
5381 476550.75, 3849300.66	0.53981	0.55587	8.20E-02	8.80E-02	7.73E-02	7.92E-02	7.47E-02	2.17E-02	2.24E-02	4.41E-02	2.12E-02	2.18E-02	4.30E-02	2.09E-02	2.15E-02	4.25E-02
5382 476656.71, 3849346.88	0.46665	0.47601	7.09E-02	7.54E-02	6.68E-02	6.84E-02	6.45E-02	1.88E-02	1.92E-02	3.79E-02	1.83E-02	1.87E-02	3.70E-02	1.81E-02	1.84E-02	3.65E-02
5383 476873.55, 3849454.53	0.46687	0.4727	7.09E-02	7.48E-02	6.68E-02	6.85E-02	6.46E-02	1.88E-02	1.90E-02	3.78E-02	1.83E-02	1.86E-02	3.69E-02	1.81E-02	1.83E-02	3.64E-02
5384 477700, 3849859.7	0.4608	0.45597	7.00E-02	7.22E-02	6.60E-02	6.76E-02	6.37E-02	1.85E-02	1.83E-02	3.69E-02	1.81E-02	1.79E-02	3.60E-02	1.79E-02	1.77E-02	3.55E-02
5385 477743.16, 3849856.38	0.32683	0.32387	4.97E-02	5.13E-02	4.68E-02	4.79E-02	4.52E-02	1.32E-02	1.30E-02	2.62E-02	1.28E-02	1.27E-02	2.56E-02	1.27E-02	1.25E-02	2.52E-02
5386 478477.35, 3850216.33	0.34192	0.33225	5.20E-02	5.26E-02	4.89E-02	5.01E-02	4.73E-02	1.38E-02	1.34E-02	2.71E-02	1.34E-02	1.30E-02	2.65E-02	1.32E-02	1.29E-02	2.61E-02
5387 478485.8, 3850201.6	0.26301	0.25709	4.00E-02	4.07E-02	3.77E-02	3.86E-02	3.64E-02	1.06E-02	1.03E-02	2.09E-02	1.03E-02	1.01E-02	2.04E-02	1.02E-02	9.96E-03	2.02E-02
5388 479113.21, 3850501.53	0.24237	0.23514	3.68E-02	3.72E-02	3.47E-02	3.55E-02	3.35E-02	9.75E-03	9.46E-03	1.92E-02	9.52E-03	9.23E-03	1.88E-02	9.39E-03	9.11E-03	1.85E-02
5389 479108.11, 3850382.28	0.09713	0.09625	1.48E-02	1.52E-02	1.39E-02	1.42E-02	1.34E-02	3.91E-03	3.87E-03	7.78E-03	3.81E-03	3.78E-03	7.59E-03	3.76E-03	3.73E-03	7.49E-03
5390 479689.85, 3850674.28	0.1011	0.09947	1.54E-02	1.57E-02	1.45E-02	1.48E-02	1.40E-02	4.07E-03	4.00E-03	8.07E-03	3.97E-03	3.91E-03	7.88E-03	3.92E-03	3.85E-03	7.77E-03
5391 479952.42, 3850774.28	0.08754	0.08641	1.33E-02	1.37E-02	1.25E-02	1.28E-02	1.21E-02	3.52E-03	3.48E-03	7.00E-03	3.44E-03	3.39E-03	6.83E-03	3.39E-03	3.35E-03	6.74E-03
5392 479911.32, 3850884.85	0.22809	0.21955	3.47E-02	3.48E-02	3.27E-02	3.34E-02	3.15E-02	9.18E-03	8.84E-03	1.80E-02	8.96E-03	8.62E-03	1.76E-02	8.84E-03	8.51E-03	1.73E-02
5393 480500.92, 3851178.12	0.23404	0.23317	3.56E-02	3.69E-02	3.35E-02	3.43E-02	3.24E-02	9.42E-03	9.38E-03	1.88E-02	9.19E-03	9.16E-03	1.83E-02	9.07E-03	9.03E-03	1.81E-02
5394 480738.01, 3851289.27	0.21944	0.22164	3.33E-02	3.51E-02	3.14E-02	3.22E-02	3.04E-02	8.83E-03	8.92E-03	1.78E-02	8.62E-03	8.70E-03	1.73E-02	8.50E-03	8.59E-03	1.71E-02
5395 481055.42, 3851443.58	0.21208	0.21767	3.22E-02	3.45E-02	3.04E-02	3.11E-02	2.93E-02	8.53E-03	8.76E-03	1.73E-02	8.33E-03	8.55E-03	1.69E-02	8.22E-03	8.43E-03	1.67E-02
5396 481110.22, 3851443.15	0.16041	0.16414	2.44E-02	2.60E-02	2.30E-02	2.35E-02	2.22E-02	6.46E-03	6.61E-03	1.31E-02	6.30E-03	6.45E-03	1.27E-02	6.22E-03	6.36E-03	1.26E-02
5397 481111.1, 3851417.45	0.13038	0.13301	1.98E-02	2.11E-02	1.87E-02	1.91E-02	1.80E-02	5.25E-03	5.35E-03	1.06E-02	5.12E-03	5.22E-03	1.03E-02	5.05E-03	5.15E-03	1.02E-02
5398 482248.44, 3852605.09	0.24636	0.24664	3.74E-02	3.91E-02	3.53E-02	3.61E-02	3.41E-02	9.91E-03	9.93E-03	1.98E-02	9.67E-03	9.69E-03	1.94E-02	9.55E-03	9.56E-03	1.91E-02
5399 482273.34, 3852632.31	0.25154	0.2516	3.82E-02	3.98E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	1.01E-02	2.02E-02	9.88E-03	9.88E-03	1.98E-02	9.75E-03	9.75E-03	1.95E-02
5400 482665.46, 3853038.72	0.1991	0.20344	3.03E-02	3.22E-02	2.85E-02	2.92E-02	2.75E-02	8.01E-03	8.19E-03	1.62E-02	7.82E-03	7.99E-03	1.58E-02	7.71E-03	7.88E-03	1.56E-02
5401 483077.95, 3853844.31	0.06217	0.1271	9.45E-03	2.01E-02	8.90E-03	9.12E-03	8.60E-03	2.50E-03	5.11E-03	7.62E-03	2.44E-03	4.99E-03	7.43E-03	2.41E-03	4.92E-03	7.33E-03
5402 483121.38, 3853909.38	0.05445	0.11747	8.27E-03	1.86E-02	7.80E-03	7.98E-03	7.53E-03	2.19E-03	4.73E-03	6.92E-03	2.14E-03	4.61E-03	6.75E-03	2.11E-03	4.55E-03	6.66E-03
5403 483492.64, 3853911.49	0.02506	0.04031	3.81E-03	6.38E-03	3.59E-03	3.67E-03	3.47E-03	1.01E-03	1.62E-03	2.63E-03	9.84E-04	1.58E-03	2.57E-03	9.71E-04	1.56E-03	2.53E-03
5404 483498.29, 3854204.73	0.02621	0.13125	3.98E-03	2.08E-02	3.75E-03	3.84E-03	3.63E-03	1.05E-03	5.28E-03	6.34E-03	1.03E-03	5.15E-03	6.18E-03	1.02E-03	5.09E-03	6.10E-03
5405 484132.44, 3854662.55	0.01434	0.24327	2.18E-03	3.85E-02	2.05E-03	2.10E-03	1.98E-03	5.77E-04	9.79E-03	1.04E-02	5.63E-04	9.55E-03	1.01E-02	5.56E-04	9.43E-03	9.98E-03
5406 484627.62, 3854876.13	0.01301	0.21468	1.98E-03	3.40E-02	1.86E-03	1.91E-03	1.80E-03	5.24E-04	8.64E-03	9.16E-03	5.11E-04	8.43E-03	8.94E-03	5.04E-04	8.32E-03	8.82E-03
5407 484756.14, 3854949.04	0.01306	0.21471	1.98E-03	3.40E-02	1.87E-03	1.91E-03	1.81E-03	5.26E-04	8.64E-03	9.17E-03	5.13E-04	8.43E-03	8.94E-03	5.06E-04	8.32E-03	8.83E-03
5408 486697.51, 3856599.17	0.01548	0.07693	2.35E-03	1.22E-02	2.22E-03	2.27E-03	2.14E-03	6.23E-04	3.10E-03	3.72E-03	6.08E-04	3.02E-03	3.63E-03	6.00E-04	2.98E-03	3.58E-03

5409 487105.31, 3856962.27	0.01735	0.07105	2.64E-03	1.12E-02	2.48E-03	2.54E-03	2.40E-03	6.98E-04	2.86E-03	3.56E-03	6.81E-04	2.79E-03	3.47E-03	6.72E-04	2.75E-03	3.43E-03
5410 487157.57, 3856901.7	0.01624	0.0533	2.47E-03	8.44E-03	2.32E-03	2.38E-03	2.25E-03	6.54E-04	2.14E-03	2.80E-03	6.38E-04	2.09E-03	2.73E-03	6.29E-04	2.07E-03	2.69E-03
5411 487173.5, 3856853.74	0.01561	0.04676	2.37E-03	7.40E-03	2.23E-03	2.29E-03	2.16E-03	6.28E-04	1.88E-03	2.51E-03	6.13E-04	1.84E-03	2.45E-03	6.05E-04	1.81E-03	2.42E-03
5412 487564.41, 3856860.83	0.01379	0.02807	2.10E-03	4.44E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	1.13E-03	1.68E-03	5.42E-04	1.10E-03	1.64E-03	5.34E-04	1.09E-03	1.62E-03
5413 487563.31, 3856931.58	0.01442	0.03038	2.19E-03	4.81E-03	2.06E-03	2.11E-03	1.99E-03	5.80E-04	1.22E-03	1.80E-03	5.66E-04	1.19E-03	1.76E-03	5.59E-04	1.18E-03	1.74E-03
5414 487782.7, 3856926.85	0.01351	0.02447	2.05E-03	3.87E-03	1.93E-03	1.98E-03	1.87E-03	5.44E-04	9.85E-04	1.53E-03	5.31E-04	9.61E-04	1.49E-03	5.23E-04	9.48E-04	1.47E-03
5415 487782.39, 3856757.07	0.0123	0.02133	1.87E-03	3.38E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	8.58E-04	1.35E-03	4.83E-04	8.38E-04	1.32E-03	4.77E-04	8.27E-04	1.30E-03
5416 487917.26, 3856752.41	0.01196	0.01945	1.82E-03	3.08E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	7.83E-04	1.26E-03	4.70E-04	7.64E-04	1.23E-03	4.63E-04	7.54E-04	1.22E-03
5417 487919.57, 3856953.35	0.01326	0.02241	2.01E-03	3.55E-03	1.90E-03	1.94E-03	1.83E-03	5.34E-04	9.02E-04	1.44E-03	5.21E-04	8.80E-04	1.40E-03	5.14E-04	8.68E-04	1.38E-03
5418 487932.76, 3857000.32	0.01351	0.02306	2.05E-03	3.65E-03	1.93E-03	1.98E-03	1.87E-03	5.44E-04	9.28E-04	1.47E-03	5.31E-04	9.06E-04	1.44E-03	5.23E-04	8.94E-04	1.42E-03
5419 487960.5, 3857044.75	0.01373	0.02342	2.09E-03	3.71E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	9.42E-04	1.50E-03	5.39E-04	9.20E-04	1.46E-03	5.32E-04	9.07E-04	1.44E-03
5420 488016.54, 3857089.54	0.01385	0.02324	2.10E-03	3.68E-03	1.98E-03	2.03E-03	1.92E-03	5.57E-04	9.35E-04	1.49E-03	5.44E-04	9.13E-04	1.46E-03	5.37E-04	9.01E-04	1.44E-03
5421 488114.39, 3857165.47	0.01411	0.02293	2.14E-03	3.63E-03	2.02E-03	2.07E-03	1.95E-03	5.68E-04	9.23E-04	1.49E-03	5.54E-04	9.00E-04	1.45E-03	5.47E-04	8.89E-04	1.44E-03
5422 488171.49, 3857234.24	0.01455	0.02319	2.21E-03	3.67E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	9.33E-04	1.52E-03	5.71E-04	9.11E-04	1.48E-03	5.64E-04	8.99E-04	1.46E-03
5423 488193.16, 3857297.8	0.01516	0.02404	2.30E-03	3.81E-03	2.17E-03	2.22E-03	2.10E-03	6.10E-04	9.67E-04	1.58E-03	5.95E-04	9.44E-04	1.54E-03	5.87E-04	9.32E-04	1.52E-03
5424 488189.27, 3857649.94	0.02041	0.03545	3.10E-03	5.61E-03	2.92E-03	2.99E-03	2.82E-03	8.21E-04	1.43E-03	2.25E-03	8.01E-04	1.39E-03	2.19E-03	7.91E-04	1.37E-03	2.16E-03
5425 488127.43, 3857732.32	0.02273	0.04437	3.45E-03	7.03E-03	3.25E-03	3.33E-03	3.14E-03	9.15E-04	1.79E-03	2.70E-03	8.93E-04	1.74E-03	2.64E-03	8.81E-04	1.72E-03	2.60E-03
5426 488149.93, 3857752.94	0.02294	0.04426	3.49E-03	7.01E-03	3.28E-03	3.36E-03	3.17E-03	9.23E-04	1.78E-03	2.70E-03	9.01E-04	1.74E-03	2.64E-03	8.89E-04	1.72E-03	2.60E-03
5427 488144.76, 3857758.71	0.02312	0.04512	3.51E-03	7.14E-03	3.31E-03	3.39E-03	3.20E-03	9.30E-04	1.82E-03	2.75E-03	9.08E-04	1.77E-03	2.68E-03	8.96E-04	1.75E-03	2.64E-03
5428 488335.58, 3857932.55	0.02595	0.04472	3.94E-03	7.08E-03	3.71E-03	3.80E-03	3.59E-03	1.04E-03	1.80E-03	2.84E-03	1.02E-03	1.76E-03	2.78E-03	1.01E-03	1.73E-03	2.74E-03
5429 488372.29, 3857943.79	0.02579	0.04295	3.92E-03	6.80E-03	3.69E-03	3.78E-03	3.57E-03	1.04E-03	1.73E-03	2.77E-03	1.01E-03	1.69E-03	2.70E-03	9.99E-04	1.66E-03	2.66E-03
5430 488828.64, 3857936.4	0.02024	0.02522	3.08E-03	3.99E-03	2.90E-03	2.97E-03	2.80E-03	8.15E-04	1.01E-03	1.83E-03	7.95E-04	9.90E-04	1.79E-03	7.84E-04	9.77E-04	1.76E-03
5431 488829.08, 3857959.58	0.02067	0.02575	3.14E-03	4.08E-03	2.96E-03	3.03E-03	2.86E-03	8.32E-04	1.04E-03	1.87E-03	8.12E-04	1.01E-03	1.82E-03	8.01E-04	9.98E-04	1.80E-03
5432 488351.61, 3857964.55	0.02682	0.04618	4.08E-03	7.31E-03	3.84E-03	3.93E-03	3.71E-03	1.08E-03	1.86E-03	2.94E-03	1.05E-03	1.81E-03	2.87E-03	1.04E-03	1.79E-03	2.83E-03
5433 488316.87, 3857947.65	0.02675	0.04755	4.06E-03	7.53E-03	3.83E-03	3.92E-03	3.70E-03	1.08E-03	1.91E-03	2.99E-03	1.05E-03	1.87E-03	2.92E-03	1.04E-03	1.84E-03	2.88E-03
5434 488129.1, 3857775.77	0.02373	0.0479	3.61E-03	7.58E-03	3.40E-03	3.48E-03	3.28E-03	9.55E-04	1.93E-03	2.88E-03	9.32E-04	1.88E-03	2.81E-03	9.20E-04	1.86E-03	2.78E-03
5435 488062.53, 3857846.13	0.02693	0.06522	4.09E-03	1.03E-02	3.86E-03	3.95E-03	3.72E-03	1.08E-03	2.62E-03	3.71E-03	1.06E-03	2.56E-03	3.62E-03	1.04E-03	2.53E-03	3.57E-03
5436 488330.41, 3858091.34	0.03248	0.06317	4.94E-03	1.00E-02	4.65E-03	4.76E-03	4.49E-03	1.31E-03	2.54E-03	3.85E-03	1.28E-03	2.48E-03	3.76E-03	1.26E-03	2.45E-03	3.71E-03
5437 488470.87, 3858174.45	0.03357	0.05666	5.10E-03	8.97E-03	4.81E-03	4.92E-03	4.64E-03	1.35E-03	2.28E-03	3.63E-03	1.32E-03	2.23E-03	3.54E-03	1.30E-03	2.20E-03	3.50E-03
5438 488568.9, 3858262.31	0.03665	0.05787	5.57E-03	9.16E-03	5.25E-03	5.37E-03	5.07E-03	1.47E-03	2.33E-03	3.80E-03	1.44E-03	2.27E-03	3.71E-03	1.42E-03	2.24E-03	3.66E-03
5439 488964.27, 3858025.71	0.02061	0.02444	3.13E-03	3.87E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	9.84E-04	1.81E-03	8.09E-04	9.60E-04	1.77E-03	7.99E-04	9.47E-04	1.75E-03
5440 489147.25, 3857956.64	0.01781	0.02025	2.71E-03	3.21E-03	2.55E-03	2.61E-03	2.46E-03	7.17E-04	8.15E-04	1.53E-03	6.99E-04	7.95E-04	1.49E-03	6.90E-04	7.85E-04	1.47E-03
5441 489343.52, 3857932.45	0.01612	0.01774	2.45E-03	2.81E-03	2.31E-03	2.36E-03	2.23E-03	6.49E-04	7.14E-04	1.36E-03	6.33E-04	6.97E-04	1.33E-03	6.25E-04	6.87E-04	1.31E-03
5442 489866.19, 3857923.19	0.01342	0.0139	2.04E-03	2.20E-03	1.92E-03	1.97E-03	1.86E-03	5.40E-04	5.59E-04	1.10E-03	5.27E-04	5.46E-04	1.07E-03	5.20E-04	5.39E-04	1.06E-03
5443 489955.65, 3857902.27	0.01288	0.01328	1.96E-03	2.10E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	5.34E-04	1.05E-03	5.06E-04	5.22E-04	1.03E-03	4.99E-04	5.15E-04	1.01E-03
5444 490079.44, 3857847.9	0.01223	0.01254	1.86E-03	1.99E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	5.05E-04	9.97E-04	4.80E-04	4.92E-04	9.73E-04	4.74E-04	4.86E-04	9.60E-04
5445 490108.49, 3857934.13	0.01263	0.01281	1.92E-03	2.03E-03	1.81E-03	1.85E-03	1.75E-03	5.08E-04	5.16E-04	1.02E-03	4.96E-04	5.03E-04	9.99E-04	4.89E-04	4.96E-04	9.86E-04
5446 489884.48, 3858014.17	0.01406	0.01439	2.14E-03	2.28E-03	2.01E-03	2.06E-03	1.94E-03	5.66E-04	5.79E-04	1.14E-03	5.52E-04	5.65E-04	1.12E-03	5.45E-04	5.58E-04	1.10E-03
5447 489326.56, 3858025.86	0.01739	0.01899	2.64E-03	3.01E-03	2.49E-03	2.55E-03	2.41E-03	7.00E-04	7.64E-04	1.46E-03	6.83E-04	7.46E-04	1.43E-03	6.74E-04	7.36E-04	1.41E-03
5448 489130.38, 3858056.71	0.01942	0.02201	2.95E-03	3.48E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	8.86E-04	1.67E-03	7.63E-04	8.64E-04	1.63E-03	7.52E-04	8.53E-04	1.61E-03
5449 488936.49, 3858143.93	0.02358	0.02821	3.58E-03	4.47E-03	3.38E-03	3.46E-03	3.26E-03	9.49E-04	1.14E-03	2.08E-03	9.26E-04	1.11E-03	2.03E-03	9.14E-04	1.09E-03	2.01E-03
5450 488638.08, 3858327.45	0.03858	0.05803	5.86E-03	9.19E-03	5.52E-03	5.66E-03	5.34E-03	1.55E-03	2.34E-03	3.89E-03	1.52E-03	2.28E-03	3.79E-03	1.49E-03	2.25E-03	3.74E-03
5451 488663.79, 3858349.57	0.03916	0.05773	5.95E-03	9.14E-03	5.61E-03	5.74E-03	5.42E-03	1.58E-03	2.32E-03	3.90E-03	1.54E-03	2.27E-03	3.80E-03	1.52E-03	2.24E-03	3.75E-03
5452 488694.56, 3858349.5	0.03792	0.054	5.76E-03	8.55E-03	5.43E-03	5.56E-03	5.24E-03	1.53E-03	2.17E-03	3.70E-03	1.49E-03	2.12E-03	3.61E-03	1.47E-03	2.09E-03	3.56E-03
5453 488694.35, 3858336.75	0.03705	0.05252	5.63E-03	8.32E-03	5.30E-03	5.43E-03	5.12E-03	1.49E-03	2.11E-03	3.60E-03	1.45E-03	2.06E-03	3.52E-03	1.44E-03	2.04E-03	3.47E-03
5454 488712.81, 3858336.38	0.03636	0.05059	5.52E-03	8.01E-03	5.21E-03	5.33E-03	5.03E-03	1.46E-03	2.04E-03	3.50E-03	1.43E-03	1.99E-03	3.41E-03	1.41E-03	1.96E-03	3.37E-03
5455 488713.23, 3858367.46	0.03847	0.05408	5.85E-03	8.56E-03	5.51E-03	5.64E-03	5.32E-03	1.55E-03	2.18E-03	3.72E-03	1.51E-03	2.12E-03	3.63E-03	1.49E-03	2.10E-03	3.59E-03
5456 488704.63, 3858384.05	0.04011	0.05728	6.09E-03	9.07E-03	5.74E-03	5.88E-03	5.55E-03	1.61E-03	2.31E-03	3.92E-03	1.58E-03	2.25E-03	3.82E-03	1.55E-03	2.22E-03	3.77E-03
5457 488604.15, 3858488.29	0.05913	0.11071	8.98E-03	1.75E-02	8.47E-03	8.67E-03	8.18E-03	2.38E-03	4.46E-03	6.83E-03	2.32E-03	4.35E-03	6.67E-03	2.29E-03	4.29E-03	6.58E-03
5458 488605.66, 3858550.47	0.07278	0.15534	1.11E-02	2.46E-02	1.04E-02	1.07E-02	1.01E-02	2.93E-03	6.25E-03	9.18E-03	2.86E-03	6.10E-03	8.96E-03	2.82E-03	6.02E-03	8.84E-03
5459 488692.68, 3858548.71	0.06145	0.10038	9.34E-03	1.59E-02	8.80E-03	9.01E-03	8.50E-03	2.47E-03	4.04E-03	6.51E-03	2.41E-03	3.94E-03	6.36E-03	2.38E-03	3.89E-03	6.27E-03
5460 488759.93, 3858461.81	0.04427	0.0612	6.73E-03	9.69E-03	6.34E-03	6.49E-03	6.12E-03	1.78E-03	2.46E-03	4.24E-03	1.74E-03	2.40E-03	4.14E-03	1.72E-03	2.37E-03	4.09E-03
5461 488816.57, 3858541.79	0.04972	0.0661	7.56E-03	1.05E-02	7.12E-03	7.29E-03	6.88E-03	2.00E-03	2.66E-03	4.66E-03	1.95E-03	2.60E-03	4.55E-03	1.93E-03	2.56E-03	4.49E-03
5462 488944.63, 3858656.77	0.05597	0.06708	8.50E-03	1.06E-02	8.01E-03	8.21E-03	7.74E-03	2.25E-03	2.70E-03	4.95E-03	2.20E-03	2.63E-03	4.83E-03	2.17E-03	2.60E-03	4.77E-03
5463 489134.91, 3858830.7	0.06977	0.07823	1.06E-02	1.24E-02	9.99E-03	1.02E-02	9.65E-03	2.81E-03	3.15E-03	5.96E-03	2.74E-03	3.07E-03	5.81E-03	2.70E-03	3.03E-03	5.73E-03
5464 489193.99, 3858886.05	0.07603	0.08336	1.16E-02	1.32E-02	1.09E-02	1.11E-02	1.05E-02	3.06E-03	3.35E-03	6.41E-03	2.99E-03	3.27E-03	6.26E-03	2.95E-03	3.23E-03	6.18E-03
5465 489295.2, 3858954.34	0.08015	0.08377	1.22E-02	1.33E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.37E-03	6.60E-03	3.15E-03	3.29E-03	6.44E-03	3.11E-03	3.25E-03	6.35E-03
5466 489295.64, 3858992.74	0.09536	0.09989	1.45E-02	1.58E-02	1.37E-02	1.40E-02	1.32E-02	3.84E-03	4.02E-03	7.86E-03	3.74E-03	3.92E-03	7.67E-03	3.70E-03	3.87E-03	7.57E-03
5467 489183.74, 3858911.72	0.08671	0.09651	1.32E-02	1.53E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.88E-03	7.37E-03	3.41E-03	3.79E-03	7.20E-03	3.36E-03	3.74E-03	7.10E-03
5468 488873.37, 3858625.59	0.05728	0.07302	8.70E-03	1.16E-02	8.20E-03	8.40E-03	7.92E-03	2.31E-03	2.94E-03	5.24E-03	2.25E-03	2.87E-03	5.12E-03	2.22E-03	2.83E-03	5.05E-03
5469 488842.84, 3858658.69	0.06722	0.09049	1.02E-02	1.43E-02	9.62E-03	9.86E-03	9.30E-03	2.71E-03	3.64E-03	6.35E-03	2.64E-03	3.55E-03	6.19E-03	2.60E-03	3.51E-03	6.11E-03
5470 488856.39, 3858670.93	0.06826	0.09072	1.04E-02	1.44E-02	9.77E-03	1.00E-02	9.44E-03	2.75E-03	3.65E-03	6.40E-03	2.68E-03	3.56E-03	6.24E-03	2.64E-03	3.52E-03	6.16E-03
5471 488805.7, 3858724.5	0.09593	0.14996	1.46E-02	2.37E-02	1.37E-02	1.41E-02	1.33E-02	3.86E-03	6.03E-03	9.90E-03	3.77E-03	5.89E-03	9.66E-03	3.72E-03	5.81E-03	9.53E-03
5472 488805.87, 3858804.16	0.15892	0.33744	2.41E-02	5.34E-02	2.28E-02	2.33E-02	2.20E-02	6.40E-03	1.36E-02	2.00E-02	6.24E-03	1.33E-02	1.95E-02	6.16E-03	1.31E-02	1.92E-02
5473 488995.78, 3858936.96	0.20524	0.33329	3.12E-02	5.28E-02	2.94E-02	3.01E-02	2.84E-02	8.26E-03	1.34E-02	2.17E-02	8.06E-03	1.31E-02	2.11E-02	7.95E-03	1.29E-02	2.09E-02
5474 489130.76, 3859017.38	0.21878	0.27842	3.32E-02	4.41E-02	3.13E-02	3.21E-02	3.03E-02	8.80E-03	1.12E-02	2.00E-02	8.59E-03	1.09E-02	1.95E-02	8.48E-03	1.08E-02	1.93E-02

5475 489130.92, 3859052.24	0.33716	0.43825	5.12E-02	6.94E-02	4.83E-02	4.94E-02	4.66E-02	1.36E-02	1.76E-02	3.12E-02	1.32E-02	1.72E-02	3.05E-02	1.31E-02	1.70E-02	3.00E-02
5476 489200.33, 3859090.6	0.33654	0.39781	5.11E-02	6.30E-02	4.82E-02	4.93E-02	4.65E-02	1.35E-02	1.60E-02	2.96E-02	1.32E-02	1.56E-02	2.88E-02	1.30E-02	1.54E-02	2.85E-02
5477 489296.07, 3859143.7	0.33564	0.38528	5.10E-02	6.10E-02	4.81E-02	4.92E-02	4.64E-02	1.35E-02	1.55E-02	2.90E-02	1.32E-02	1.51E-02	2.83E-02	1.30E-02	1.49E-02	2.79E-02
5478 489296.43, 3858954.74	0.08006	0.08363	1.22E-02	1.32E-02	1.15E-02	1.17E-02	1.11E-02	3.22E-03	3.37E-03	6.59E-03	3.14E-03	3.28E-03	6.43E-03	3.10E-03	3.24E-03	6.34E-03
5479 489410.33, 3859033.19	0.0857	0.08667	1.30E-02	1.37E-02	1.23E-02	1.26E-02	1.19E-02	3.45E-03	3.49E-03	6.94E-03	3.37E-03	3.40E-03	6.77E-03	3.32E-03	3.36E-03	6.68E-03
5480 489371.37, 3859089.8	0.13143	0.13725	2.00E-02	2.17E-02	1.88E-02	1.93E-02	1.82E-02	5.29E-03	5.52E-03	1.08E-02	5.16E-03	5.39E-03	1.06E-02	5.09E-03	5.32E-03	1.04E-02
5481 489390.52, 3859102.82	0.13369	0.13946	2.03E-02	2.21E-02	1.91E-02	1.96E-02	1.85E-02	5.38E-03	5.61E-03	1.10E-02	5.25E-03	5.48E-03	1.07E-02	5.18E-03	5.40E-03	1.06E-02
5482 489382.3, 3859114.53	0.15048	0.15863	2.29E-02	2.51E-02	2.15E-02	2.21E-02	2.08E-02	6.06E-03	6.38E-03	1.24E-02	5.91E-03	6.23E-03	1.21E-02	5.83E-03	6.15E-03	1.20E-02
5483 489363.04, 3859102.45	0.14876	0.15714	2.26E-02	2.49E-02	2.13E-02	2.18E-02	2.06E-02	5.99E-03	6.32E-03	1.23E-02	5.84E-03	6.17E-03	1.20E-02	5.76E-03	6.09E-03	1.19E-02
5484 489337.52, 3859140.71	0.24249	0.26801	3.68E-02	4.24E-02	3.47E-02	3.56E-02	3.35E-02	9.76E-03	1.08E-02	2.05E-02	9.52E-03	1.05E-02	2.00E-02	9.40E-03	1.04E-02	1.98E-02
5485 489375.14, 3859164.55	0.25219	0.27603	3.83E-02	4.37E-02	3.61E-02	3.70E-02	3.49E-02	1.01E-02	1.11E-02	2.13E-02	9.90E-03	1.08E-02	2.07E-02	9.77E-03	1.07E-02	2.05E-02
5486 489409.3, 3859114.5	0.13496	0.14053	2.05E-02	2.23E-02	1.93E-02	1.98E-02	1.87E-02	5.43E-03	5.66E-03	1.11E-02	5.30E-03	5.52E-03	1.08E-02	5.23E-03	5.45E-03	1.07E-02
5487 489434.87, 3859131.81	0.13805	0.14343	2.10E-02	2.27E-02	1.98E-02	2.02E-02	1.91E-02	5.56E-03	5.77E-03	1.13E-02	5.42E-03	5.63E-03	1.11E-02	5.35E-03	5.56E-03	1.09E-02
5488 489471.87, 3859075.75	0.08906	0.08976	1.35E-02	1.42E-02	1.27E-02	1.31E-02	1.23E-02	3.58E-03	3.61E-03	7.20E-03	3.50E-03	3.52E-03	7.02E-03	3.45E-03	3.48E-03	6.93E-03
5489 489602.62, 3859164.69	0.09666	0.09694	1.47E-02	1.53E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	3.90E-03	7.79E-03	3.80E-03	3.81E-03	7.60E-03	3.75E-03	3.76E-03	7.50E-03
5490 489558.29, 3859232.45	0.17939	0.18386	2.73E-02	2.91E-02	2.57E-02	2.63E-02	2.48E-02	7.22E-03	7.40E-03	1.46E-02	7.04E-03	7.22E-03	1.43E-02	6.95E-03	7.12E-03	1.41E-02
5491 489620.11, 3859273.56	0.19183	0.19613	2.91E-02	3.11E-02	2.75E-02	2.81E-02	2.65E-02	7.72E-03	7.89E-03	1.56E-02	7.53E-03	7.70E-03	1.52E-02	7.43E-03	7.60E-03	1.50E-02
5492 489666.06, 3859206.42	0.10028	0.10032	1.52E-02	1.59E-02	1.44E-02	1.47E-02	1.39E-02	4.04E-03	4.04E-03	8.07E-03	3.94E-03	3.94E-03	7.88E-03	3.89E-03	3.89E-03	7.77E-03
5493 489787.9, 3859285.65	0.10724	0.10773	1.63E-02	1.71E-02	1.54E-02	1.57E-02	1.48E-02	4.32E-03	4.34E-03	8.65E-03	4.21E-03	4.23E-03	8.44E-03	4.16E-03	4.17E-03	8.33E-03
5494 489752.17, 3859343.13	0.18653	0.19097	2.83E-02	3.02E-02	2.67E-02	2.74E-02	2.58E-02	7.51E-03	7.69E-03	1.52E-02	7.33E-03	7.50E-03	1.48E-02	7.23E-03	7.40E-03	1.46E-02
5495 489814.94, 3859385.33	0.20084	0.20595	3.05E-02	3.26E-02	2.88E-02	2.94E-02	2.78E-02	8.08E-03	8.29E-03	1.64E-02	7.89E-03	8.09E-03	1.60E-02	7.78E-03	7.98E-03	1.58E-02
5496 489853.42, 3859330.74	0.11311	0.114	1.72E-02	1.80E-02	1.62E-02	1.66E-02	1.56E-02	4.55E-03	4.59E-03	9.14E-03	4.44E-03	4.48E-03	8.92E-03	4.38E-03	4.42E-03	8.80E-03
5497 489969.5, 3859401.91	0.11864	0.11983	1.80E-02	1.90E-02	1.70E-02	1.74E-02	1.64E-02	4.77E-03	4.82E-03	9.60E-03	4.66E-03	4.71E-03	9.36E-03	4.60E-03	4.64E-03	9.24E-03
5498 490166.91, 3859486.96	0.10837	0.10867	1.65E-02	1.72E-02	1.55E-02	1.59E-02	1.50E-02	4.36E-03	4.37E-03	8.73E-03	4.26E-03	4.27E-03	8.52E-03	4.20E-03	4.21E-03	8.41E-03
5499 490128.86, 3859571.46	0.27135	0.27062	4.12E-02	4.28E-02	3.88E-02	3.98E-02	3.75E-02	1.09E-02	1.09E-02	2.18E-02	1.07E-02	1.06E-02	2.13E-02	1.05E-02	1.05E-02	2.10E-02
5500 490186.65, 3859593.65	0.27341	0.27458	4.15E-02	4.35E-02	3.91E-02	4.01E-02	3.78E-02	1.10E-02	1.10E-02	2.21E-02	1.07E-02	1.08E-02	2.15E-02	1.06E-02	1.06E-02	2.12E-02
5501 490223.74, 3859517.48	0.11274	0.11276	1.71E-02	1.79E-02	1.61E-02	1.65E-02	1.56E-02	4.54E-03	4.54E-03	9.07E-03	4.43E-03	4.43E-03	8.86E-03	4.37E-03	4.37E-03	8.74E-03
5502 490846.34, 3859817.22	0.16403	0.17267	2.49E-02	2.73E-02	2.35E-02	2.41E-02	2.27E-02	6.60E-03	6.95E-03	1.35E-02	6.44E-03	6.78E-03	1.32E-02	6.36E-03	6.69E-03	1.30E-02
5503 490925.65, 3859844.59	0.15163	0.15946	2.30E-02	2.52E-02	2.17E-02	2.22E-02	2.10E-02	6.10E-03	6.42E-03	1.25E-02	5.95E-03	6.26E-03	1.22E-02	5.88E-03	6.18E-03	1.21E-02
5504 491159.29, 3859896.28	0.10636	0.10645	1.62E-02	1.69E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.28E-03	8.56E-03	4.18E-03	4.18E-03	8.36E-03	4.12E-03	4.12E-03	8.25E-03
5505 491370.69, 3859960.89	0.08121	0.08065	1.23E-02	1.28E-02	1.16E-02	1.19E-02	1.12E-02	3.27E-03	3.25E-03	6.51E-03	3.19E-03	3.17E-03	6.36E-03	3.15E-03	3.13E-03	6.27E-03
5506 491330.28, 3860063.17	0.15149	0.14795	2.30E-02	2.34E-02	2.17E-02	2.22E-02	2.10E-02	6.10E-03	5.95E-03	1.21E-02	5.95E-03	5.81E-03	1.18E-02	5.87E-03	5.73E-03	1.16E-02
5507 491636.45, 3860180.75	0.08132	0.08293	1.24E-02	1.31E-02	1.16E-02	1.19E-02	1.12E-02	3.27E-03	3.34E-03	6.61E-03	3.19E-03	3.26E-03	6.45E-03	3.15E-03	3.21E-03	6.36E-03
5508 491617.94, 3860203.93	0.0939	0.09635	1.43E-02	1.53E-02	1.34E-02	1.38E-02	1.30E-02	3.78E-03	3.88E-03	7.66E-03	3.69E-03	3.78E-03	7.47E-03	3.64E-03	3.73E-03	7.37E-03
5509 491805.68, 3860271.59	0.07033	0.07255	1.07E-02	1.15E-02	1.01E-02	1.03E-02	9.73E-03	2.83E-03	2.92E-03	5.75E-03	2.76E-03	2.85E-03	5.61E-03	2.73E-03	2.81E-03	5.54E-03
5510 491654.23, 3860414.02	0.36334	0.39619	5.52E-02	6.27E-02	5.20E-02	5.33E-02	5.03E-02	1.46E-02	1.59E-02	3.06E-02	1.43E-02	1.56E-02	2.98E-02	1.41E-02	1.54E-02	2.94E-02
5511 491592.62, 3860510.76	0.07023	0.06609	1.07E-02	1.05E-02	1.01E-02	1.03E-02	9.71E-03	2.83E-03	2.66E-03	5.49E-03	2.76E-03	2.60E-03	5.35E-03	2.72E-03	2.56E-03	5.28E-03
5512 491475.41, 3860368.93	0.11817	0.11017	1.80E-02	1.74E-02	1.69E-02	1.73E-02	1.63E-02	4.76E-03	4.43E-03	9.19E-03	4.64E-03	4.33E-03	8.97E-03	4.58E-03	4.27E-03	8.85E-03
5513 491445.61, 3860337.28	0.13138	0.12414	2.00E-02	1.97E-02	1.88E-02	1.93E-02	1.82E-02	5.29E-03	5.00E-03	1.03E-02	5.16E-03	4.87E-03	1.00E-02	5.09E-03	4.81E-03	9.90E-03
5514 491399.05, 3860300.37	0.13374	0.12934	2.03E-02	2.05E-02	1.91E-02	1.96E-02	1.85E-02	5.38E-03	5.21E-03	1.06E-02	5.25E-03	5.08E-03	1.03E-02	5.18E-03	5.01E-03	1.02E-02
5515 491228.84, 3860235.98	0.06575	0.06647	9.99E-03	1.05E-02	9.41E-03	9.64E-03	9.09E-03	2.65E-03	2.67E-03	5.32E-03	2.58E-03	2.61E-03	5.19E-03	2.55E-03	2.58E-03	5.12E-03
5516 491228.47, 3860174.57	0.12519	0.13044	1.90E-02	2.07E-02	1.79E-02	1.84E-02	1.73E-02	5.04E-03	5.25E-03	1.03E-02	4.92E-03	5.12E-03	1.00E-02	4.85E-03	5.05E-03	9.91E-03
5517 491145.77, 3860112.55	0.12431	0.13113	1.89E-02	2.08E-02	1.78E-02	1.82E-02	1.72E-02	5.00E-03	5.28E-03	1.03E-02	4.88E-03	5.15E-03	1.00E-02	4.82E-03	5.08E-03	9.90E-03
5518 490844.41, 3859966.22	0.1158	0.10814	1.76E-02	1.71E-02	1.66E-02	1.70E-02	1.60E-02	4.66E-03	4.35E-03	9.01E-03	4.55E-03	4.25E-03	8.79E-03	4.49E-03	4.19E-03	8.68E-03
5519 490845.55, 3859928.15	0.256	0.22645	3.89E-02	3.59E-02	3.66E-02	3.75E-02	3.54E-02	1.03E-02	9.11E-03	1.94E-02	1.01E-02	8.89E-03	1.89E-02	9.92E-03	8.77E-03	1.87E-02
5520 490046.91, 3859625.6	0.1709	0.17176	2.60E-02	2.72E-02	2.45E-02	2.51E-02	2.36E-02	6.88E-03	6.91E-03	1.38E-02	6.71E-03	6.74E-03	1.35E-02	6.62E-03	6.66E-03	1.33E-02
5521 489970.48, 3859589.4	0.17909	0.17455	2.72E-02	2.76E-02	2.56E-02	2.63E-02	2.48E-02	7.21E-03	7.02E-03	1.42E-02	7.03E-03	6.85E-03	1.39E-02	6.94E-03	6.76E-03	1.37E-02
5522 489865.89, 3859529.06	0.1956	0.18754	2.97E-02	2.97E-02	2.80E-02	2.87E-02	2.71E-02	7.87E-03	7.55E-03	1.54E-02	7.68E-03	7.36E-03	1.50E-02	7.58E-03	7.27E-03	1.48E-02
5523 489826.89, 3859531.74	0.12622	0.12183	1.92E-02	1.93E-02	1.81E-02	1.85E-02	1.75E-02	5.08E-03	4.90E-03	9.98E-03	4.96E-03	4.78E-03	9.74E-03	4.89E-03	4.72E-03	9.61E-03
5524 489410.47, 3859303.06	0.12496	0.11439	1.90E-02	1.81E-02	1.79E-02	1.83E-02	1.73E-02	5.03E-03	4.60E-03	9.63E-03	4.91E-03	4.49E-03	9.40E-03	4.84E-03	4.43E-03	9.27E-03
5525 489407.15, 3859286.09	0.16171	0.14532	2.46E-02	2.30E-02	2.32E-02	2.37E-02	2.24E-02	6.51E-03	5.85E-03	1.24E-02	6.35E-03	5.71E-03	1.21E-02	6.27E-03	5.63E-03	1.19E-02
5526 488806.07, 3858963.62	0.13873	0.06423	2.11E-02	1.02E-02	1.99E-02	2.03E-02	1.92E-02	5.58E-03	2.58E-03	8.17E-03	5.45E-03	2.52E-03	7.97E-03	5.38E-03	2.49E-03	7.86E-03
5527 488817.64, 3859546.3	0.01214	0.0112	1.84E-03	1.77E-03	1.74E-03	1.78E-03	1.68E-03	4.89E-04	4.51E-04	9.39E-04	4.77E-04	4.40E-04	9.17E-04	4.70E-04	4.34E-04	9.04E-04
5528 489187.25, 3859549.52	0.0172	0.01631	2.61E-03	2.58E-03	2.46E-03	2.52E-03	2.38E-03	6.92E-04	6.56E-04	1.35E-03	6.75E-04	6.40E-04	1.32E-03	6.66E-04	6.32E-04	1.30E-03
5529 489187.66, 3859523.74	0.01827	0.01729	2.78E-03	2.74E-03	2.62E-03	2.68E-03	2.53E-03	7.35E-04	6.96E-04	1.43E-03	7.17E-04	6.79E-04	1.40E-03	7.08E-04	6.70E-04	1.38E-03
5530 489232.59, 3859522.85	0.01947	0.01847	2.96E-03	2.92E-03	2.79E-03	2.85E-03	2.69E-03	7.84E-04	7.43E-04	1.53E-03	7.65E-04	7.25E-04	1.49E-03	7.54E-04	7.16E-04	1.47E-03
5531 489224.98, 3859759.91	0.01223	0.01172	1.86E-03	1.86E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	4.72E-04	9.64E-04	4.80E-04	4.60E-04	9.41E-04	4.74E-04	4.54E-04	9.28E-04
5532 488401.39, 3859763.34	0.00757	0.00697	1.15E-03	1.10E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	2.80E-04	5.85E-04	2.97E-04	2.74E-04	5.71E-04	2.93E-04	2.70E-04	5.63E-04
5533 488405.51, 3859966.16	0.00668	0.00624	1.02E-03	9.88E-04	9.56E-04	9.79E-04	9.24E-04	2.69E-04	2.51E-04	5.20E-04	2.62E-04	2.45E-04	5.07E-04	2.59E-04	2.42E-04	5.01E-04
5534 489202.85, 3859956.57	0.00947	0.0091	1.44E-03	1.44E-03	1.36E-03	1.39E-03	1.31E-03	3.81E-04	3.66E-04	7.47E-04	3.72E-04	3.57E-04	7.29E-04	3.67E-04	3.53E-04	7.20E-04
5535 489191.9, 3860676.74	0.00552	0.00536	8.39E-04	8.49E-04	7.90E-04	8.09E-04	7.63E-04	2.22E-04	2.16E-04	4.38E-04	2.17E-04	2.10E-04	4.27E-04	2.14E-04	2.08E-04	4.22E-04
5536 488392.82, 3860687.88	0.00458	0.00434	6.96E-04	6.87E-04	6.56E-04	6.72E-04	6.33E-04	1.84E-04	1.75E-04	3.59E-04	1.80E-04	1.70E-04	3.50E-04	1.77E-04	1.68E-04	3.46E-04
5537 488392.82, 3860760.27	0.00445	0.00422	6.76E-04	6.68E-04	6.37E-04	6.52E-04	6.15E-04	1.79E-04	1.70E-04	3.49E-04	1.75E-04	1.66E-04	3.40E-04	1.72E-04	1.64E-04	3.36E-04
5538 487549.05, 3860777.45	0.00378	0.00353	5.74E-04	5.59E-04	5.41E-04	5.54E-04	5.23E-04	1.52E-04	1.42E-04	2.94E-04	1.48E-04	1.39E-04	2.87E-04	1.46E-04	1.37E-04	2.83E-04
5539 487554.62, 3859571.83	0.00637	0.00556	9.68E-04	8.80E-04	9.12E-04	9.34E-04	8.81E-04	2.56E-04	2.24E-04	4.80E-04	2.50E-04	2.18E-04	4.68E-04	2.47E-04	2.15E-04	4.62E-04
5540 485949.46, 3859558.54	0.00438	0.0038	6.66E-04	6.02E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.53E-04	3.29E-04	1.72E-04	1.49E-04	3.21E-04	1.70E-04	1.47E-04	3.17E-04

5541 485947.55, 3857943.61	0.01149	0.00595	1.75E-03	9.42E-04	1.64E-03	1.68E-03	1.59E-03	4.62E-04	2.39E-04	7.02E-04	4.51E-04	2.34E-04	6.85E-04	4.45E-04	2.31E-04	6.76E-04
5542 484738.38, 3857940.21	0.00591	0.00417	8.98E-04	6.60E-04	8.46E-04	8.67E-04	8.17E-04	2.38E-04	1.68E-04	4.06E-04	2.32E-04	1.64E-04	3.96E-04	2.29E-04	1.62E-04	3.91E-04
5543 484737.06, 3857535.68	0.00739	0.00462	1.12E-03	7.31E-04	1.06E-03	1.08E-03	1.02E-03	2.97E-04	1.86E-04	4.83E-04	2.90E-04	1.81E-04	4.72E-04	2.86E-04	1.79E-04	4.65E-04
5544 483730.2, 3857530.13	0.00505	0.00373	7.67E-04	5.91E-04	7.23E-04	7.40E-04	6.98E-04	2.03E-04	1.50E-04	3.53E-04	1.98E-04	1.46E-04	3.45E-04	1.96E-04	1.45E-04	3.40E-04
5545 483727.27, 3857130.01	0.0059	0.00405	8.97E-04	6.41E-04	8.45E-04	8.65E-04	8.16E-04	2.37E-04	1.63E-04	4.00E-04	2.32E-04	1.59E-04	3.91E-04	2.29E-04	1.57E-04	3.86E-04
5546 483124.42, 3857123.45	0.00491	0.00365	7.46E-04	5.78E-04	7.03E-04	7.20E-04	6.79E-04	1.98E-04	1.47E-04	3.44E-04	1.93E-04	1.43E-04	3.36E-04	1.90E-04	1.41E-04	3.32E-04
5547 483111.13, 3855921.03	0.00838	0.00481	1.27E-03	7.62E-04	1.20E-03	1.23E-03	1.16E-03	3.37E-04	1.94E-04	5.31E-04	3.29E-04	1.89E-04	5.18E-04	3.25E-04	1.86E-04	5.11E-04
5548 482701.73, 3855918.24	0.00673	0.00443	1.02E-03	7.01E-04	9.63E-04	9.87E-04	9.31E-04	2.71E-04	1.78E-04	4.49E-04	2.64E-04	1.74E-04	4.38E-04	2.61E-04	1.72E-04	4.32E-04
5549 482668.02, 3853521.78	0.05656	0.04934	8.59E-03	7.81E-03	8.10E-03	8.29E-03	7.82E-03	2.28E-03	1.99E-03	4.26E-03	2.22E-03	1.94E-03	4.16E-03	2.19E-03	1.91E-03	4.10E-03
5550 482579.91, 3853219.19	0.06818	0.06846	1.04E-02	1.08E-02	9.76E-03	1.00E-02	9.43E-03	2.74E-03	2.76E-03	5.50E-03	2.68E-03	2.69E-03	5.37E-03	2.64E-03	2.65E-03	5.29E-03
5551 482434.06, 3852961.94	0.09612	0.09784	1.46E-02	1.55E-02	1.38E-02	1.41E-02	1.33E-02	3.87E-03	3.94E-03	7.81E-03	3.77E-03	3.84E-03	7.62E-03	3.72E-03	3.79E-03	7.52E-03
5552 482332.11, 3852832.85	0.1248	0.12722	1.90E-02	2.01E-02	1.79E-02	1.83E-02	1.73E-02	5.02E-03	5.12E-03	1.01E-02	4.90E-03	5.00E-03	9.90E-03	4.84E-03	4.93E-03	9.77E-03
5553 481334.99, 3851818.96	0.10294	0.10455	1.56E-02	1.66E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.21E-03	8.35E-03	4.04E-03	4.11E-03	8.15E-03	3.99E-03	4.05E-03	8.04E-03
5554 481127.62, 3851646.36	0.08858	0.08879	1.35E-02	1.41E-02	1.27E-02	1.30E-02	1.23E-02	3.56E-03	3.57E-03	7.14E-03	3.48E-03	3.49E-03	6.97E-03	3.43E-03	3.44E-03	6.87E-03
5555 481025.04, 3851591.73	0.0809	0.08047	1.23E-02	1.27E-02	1.16E-02	1.19E-02	1.12E-02	3.26E-03	3.24E-03	6.49E-03	3.18E-03	3.16E-03	6.34E-03	3.13E-03	3.12E-03	6.25E-03
5556 480513.6, 3851335.76	0.08281	0.08422	1.26E-02	1.33E-02	1.19E-02	1.21E-02	1.15E-02	3.33E-03	3.39E-03	6.72E-03	3.25E-03	3.31E-03	6.56E-03	3.21E-03	3.26E-03	6.47E-03
5557 480523.56, 3851317.66	0.11201	0.11419	1.70E-02	1.81E-02	1.60E-02	1.64E-02	1.55E-02	4.51E-03	4.60E-03	9.10E-03	4.40E-03	4.48E-03	8.88E-03	4.34E-03	4.42E-03	8.76E-03
5558 476921.56, 3849569.11	0.09864	0.09915	1.50E-02	1.57E-02	1.41E-02	1.45E-02	1.36E-02	3.97E-03	3.99E-03	7.96E-03	3.87E-03	3.89E-03	7.77E-03	3.82E-03	3.84E-03	7.66E-03
5559 476521.19, 3849373.96	0.11876	0.11865	1.80E-02	1.88E-02	1.70E-02	1.74E-02	1.64E-02	4.78E-03	4.77E-03	9.55E-03	4.66E-03	4.66E-03	9.32E-03	4.60E-03	4.60E-03	9.20E-03
5560 476391.45, 3849333.38	0.1269	0.12729	1.93E-02	2.02E-02	1.82E-02	1.86E-02	1.76E-02	5.11E-03	5.12E-03	1.02E-02	4.98E-03	5.00E-03	9.98E-03	4.92E-03	4.93E-03	9.85E-03
5561 476219.41, 3849304.29	0.11067	0.11159	1.68E-02	1.77E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	4.49E-03	8.94E-03	4.35E-03	4.38E-03	8.73E-03	4.29E-03	4.32E-03	8.61E-03
5562 475679.11, 3849218.47	0.08988	0.09008	1.37E-02	1.43E-02	1.29E-02	1.32E-02	1.24E-02	3.62E-03	3.63E-03	7.24E-03	3.53E-03	3.54E-03	7.07E-03	3.48E-03	3.49E-03	6.97E-03
5563 475677.71, 3849233.88	0.07195	0.0722	1.09E-02	1.14E-02	1.03E-02	1.05E-02	9.95E-03	2.90E-03	2.91E-03	5.80E-03	2.83E-03	2.84E-03	5.66E-03	2.79E-03	2.80E-03	5.59E-03
5564 475492.74, 3849204.66	0.05019	0.05053	7.63E-03	8.00E-03	7.19E-03	7.36E-03	6.94E-03	2.02E-03	2.03E-03	4.05E-03	1.97E-03	1.98E-03	3.96E-03	1.94E-03	1.96E-03	3.90E-03
5565 475497.64, 3849158.75	0.11815	0.11877	1.80E-02	1.88E-02	1.69E-02	1.73E-02	1.63E-02	4.75E-03	4.78E-03	9.53E-03	4.64E-03	4.66E-03	9.30E-03	4.58E-03	4.60E-03	9.18E-03
5566 475391.35, 3849141.94	0.09016	0.09056	1.37E-02	1.43E-02	1.29E-02	1.32E-02	1.25E-02	3.63E-03	3.64E-03	7.27E-03	3.54E-03	3.56E-03	7.10E-03	3.49E-03	3.51E-03	7.00E-03
5567 475277, 3849095.47	0.08703	0.08736	1.32E-02	1.38E-02	1.25E-02	1.28E-02	1.20E-02	3.50E-03	3.52E-03	7.02E-03	3.42E-03	3.43E-03	6.85E-03	3.37E-03	3.39E-03	6.76E-03
5568 475183.93, 3849025.66	0.11349	0.11439	1.72E-02	1.81E-02	1.62E-02	1.66E-02	1.57E-02	4.57E-03	4.60E-03	9.17E-03	4.46E-03	4.49E-03	8.95E-03	4.40E-03	4.43E-03	8.83E-03
5569 474453.23, 3848378.77	0.16208	0.1632	2.46E-02	2.58E-02	2.32E-02	2.38E-02	2.24E-02	6.52E-03	6.57E-03	1.31E-02	6.36E-03	6.41E-03	1.28E-02	6.28E-03	6.32E-03	1.26E-02
5570 474569.63, 3848399.34	0.34877	0.35153	5.30E-02	5.57E-02	4.99E-02	5.11E-02	4.82E-02	1.40E-02	1.41E-02	2.82E-02	1.37E-02	1.38E-02	2.75E-02	1.35E-02	1.36E-02	2.71E-02
5571 474644.33, 3848464.52	0.35378	0.3565	5.38E-02	5.64E-02	5.06E-02	5.19E-02	4.89E-02	1.42E-02	1.43E-02	2.86E-02	1.39E-02	1.40E-02	2.79E-02	1.37E-02	1.38E-02	2.75E-02
5572 474719.04, 3848529.7	0.36098	0.36366	5.49E-02	5.76E-02	5.17E-02	5.29E-02	4.99E-02	1.45E-02	1.46E-02	2.92E-02	1.42E-02	1.43E-02	2.85E-02	1.40E-02	1.41E-02	2.81E-02
5573 474793.74, 3848594.88	0.36742	0.37004	5.58E-02	5.86E-02	5.26E-02	5.39E-02	5.08E-02	1.48E-02	1.49E-02	2.97E-02	1.44E-02	1.45E-02	2.90E-02	1.42E-02	1.43E-02	2.86E-02
5574 474868.45, 3848660.07	0.36947	0.37202	5.61E-02	5.89E-02	5.29E-02	5.42E-02	5.11E-02	1.49E-02	1.50E-02	2.98E-02	1.45E-02	1.46E-02	2.91E-02	1.43E-02	1.44E-02	2.87E-02
5575 474943.15, 3848725.25	0.37617	0.37864	5.72E-02	6.00E-02	5.39E-02	5.52E-02	5.20E-02	1.51E-02	1.52E-02	3.04E-02	1.48E-02	1.49E-02	2.96E-02	1.46E-02	1.47E-02	2.92E-02
5576 475017.86, 3848790.43	0.38865	0.39112	5.91E-02	6.19E-02	5.56E-02	5.70E-02	5.38E-02	1.56E-02	1.57E-02	3.14E-02	1.53E-02	1.54E-02	3.06E-02	1.51E-02	1.52E-02	3.02E-02
5577 475092.56, 3848855.61	0.39689	0.39937	6.03E-02	6.32E-02	5.68E-02	5.82E-02	5.49E-02	1.60E-02	1.61E-02	3.20E-02	1.56E-02	1.57E-02	3.13E-02	1.54E-02	1.55E-02	3.09E-02
5578 475232.58, 3848959.38	0.33455	0.33674	5.08E-02	5.33E-02	4.79E-02	4.91E-02	4.63E-02	1.35E-02	1.36E-02	2.70E-02	1.31E-02	1.32E-02	2.64E-02	1.30E-02	1.30E-02	2.60E-02
5579 475368.47, 3849029.98	0.34656	0.35161	5.27E-02	5.57E-02	4.96E-02	5.08E-02	4.79E-02	1.39E-02	1.41E-02	2.81E-02	1.36E-02	1.38E-02	2.74E-02	1.34E-02	1.36E-02	2.71E-02
5580 475609.57, 3849096.09	0.28852	0.29175	4.38E-02	4.62E-02	4.13E-02	4.23E-02	3.99E-02	1.16E-02	1.17E-02	2.34E-02	1.13E-02	1.15E-02	2.28E-02	1.12E-02	1.13E-02	2.25E-02
5581 475680.68, 3849116.62	0.33122	0.33687	5.03E-02	5.33E-02	4.74E-02	4.86E-02	4.58E-02	1.33E-02	1.36E-02	2.69E-02	1.30E-02	1.32E-02	2.62E-02	1.28E-02	1.31E-02	2.59E-02
5582 475843.76, 3849151.52	0.40926	0.41507	6.22E-02	6.57E-02	5.86E-02	6.00E-02	5.66E-02	1.65E-02	1.67E-02	3.32E-02	1.61E-02	1.63E-02	3.24E-02	1.59E-02	1.61E-02	3.19E-02
5583 475935.73, 3849165.89	0.37665	0.38055	5.72E-02	6.03E-02	5.39E-02	5.52E-02	5.21E-02	1.52E-02	1.53E-02	3.05E-02	1.48E-02	1.49E-02	2.97E-02	1.46E-02	1.47E-02	2.93E-02
5584 476027.7, 3849180.26	0.37637	0.37958	5.72E-02	6.01E-02	5.39E-02	5.52E-02	5.21E-02	1.51E-02	1.53E-02	3.04E-02	1.48E-02	1.49E-02	2.97E-02	1.46E-02	1.47E-02	2.93E-02
5585 476119.68, 3849194.64	0.39382	0.39617	5.98E-02	6.27E-02	5.64E-02	5.77E-02	5.45E-02	1.58E-02	1.59E-02	3.18E-02	1.55E-02	1.56E-02	3.10E-02	1.53E-02	1.54E-02	3.06E-02
5586 476211.65, 3849209.01	0.38965	0.39108	5.92E-02	6.19E-02	5.58E-02	5.71E-02	5.39E-02	1.57E-02	1.57E-02	3.14E-02	1.53E-02	1.54E-02	3.07E-02	1.51E-02	1.52E-02	3.03E-02
5587 476497.8, 3849283.9	0.50561	0.51736	7.68E-02	8.19E-02	7.24E-02	7.41E-02	6.99E-02	2.03E-02	2.08E-02	4.12E-02	1.99E-02	2.03E-02	4.02E-02	1.96E-02	2.00E-02	3.96E-02
5588 476603.73, 3849323.77	0.50355	0.51452	7.65E-02	8.15E-02	7.21E-02	7.38E-02	6.96E-02	2.03E-02	2.07E-02	4.10E-02	1.98E-02	2.02E-02	4.00E-02	1.95E-02	1.99E-02	3.94E-02
5589 476728.99, 3849382.76	0.46465	0.47271	7.06E-02	7.48E-02	6.65E-02	6.81E-02	6.43E-02	1.87E-02	1.90E-02	3.77E-02	1.82E-02	1.86E-02	3.68E-02	1.80E-02	1.83E-02	3.63E-02
5590 476801.27, 3849418.65	0.46438	0.47102	7.06E-02	7.46E-02	6.65E-02	6.81E-02	6.42E-02	1.87E-02	1.90E-02	3.76E-02	1.82E-02	1.85E-02	3.67E-02	1.80E-02	1.83E-02	3.62E-02
5591 476956.2, 3849495.05	0.46457	0.46912	7.06E-02	7.43E-02	6.65E-02	6.81E-02	6.43E-02	1.87E-02	1.89E-02	3.76E-02	1.82E-02	1.84E-02	3.67E-02	1.80E-02	1.82E-02	3.62E-02
5592 477038.84, 3849535.56	0.4709	0.47439	7.16E-02	7.51E-02	6.74E-02	6.90E-02	6.51E-02	1.90E-02	1.91E-02	3.80E-02	1.85E-02	1.86E-02	3.71E-02	1.82E-02	1.84E-02	3.66E-02
5593 477121.48, 3849576.08	0.46899	0.47107	7.13E-02	7.46E-02	6.71E-02	6.88E-02	6.49E-02	1.89E-02	1.90E-02	3.78E-02	1.84E-02	1.85E-02	3.69E-02	1.82E-02	1.83E-02	3.64E-02
5594 477204.13, 3849616.6	0.47185	0.47252	7.17E-02	7.48E-02	6.75E-02	6.92E-02	6.53E-02	1.90E-02	1.90E-02	3.80E-02	1.85E-02	1.86E-02	3.71E-02	1.83E-02	1.83E-02	3.66E-02
5595 477286.78, 3849657.12	0.44372	0.44253	6.74E-02	7.01E-02	6.35E-02	6.51E-02	6.14E-02	1.79E-02	1.78E-02	3.57E-02	1.74E-02	1.74E-02	3.48E-02	1.72E-02	1.71E-02	3.43E-02
5596 477369.42, 3849697.63	0.47164	0.47037	7.17E-02	7.45E-02	6.75E-02	6.92E-02	6.52E-02	1.90E-02	1.89E-02	3.79E-02	1.85E-02	1.85E-02	3.70E-02	1.83E-02	1.82E-02	3.65E-02
5597 477452.07, 3849738.15	0.47187	0.46801	7.17E-02	7.41E-02	6.76E-02	6.92E-02	6.53E-02	1.90E-02	1.88E-02	3.78E-02	1.85E-02	1.84E-02	3.69E-02	1.83E-02	1.81E-02	3.64E-02
5598 477534.71, 3849778.67	0.48596	0.4819	7.38E-02	7.63E-02	6.96E-02	7.13E-02	6.72E-02	1.96E-02	1.94E-02	3.89E-02	1.91E-02	1.89E-02	3.80E-02	1.88E-02	1.87E-02	3.75E-02
5599 477617.35, 3849819.18	0.48418	0.47899	7.36E-02	7.58E-02	6.93E-02	7.10E-02	6.70E-02	1.95E-02	1.93E-02	3.88E-02	1.90E-02	1.88E-02	3.78E-02	1.88E-02	1.86E-02	3.73E-02
5600 477824.74, 3849896.37	0.31818	0.31546	4.83E-02	4.99E-02	4.56E-02	4.67E-02	4.40E-02	1.28E-02	1.27E-02	2.55E-02	1.25E-02	1.24E-02	2.49E-02	1.23E-02	1.22E-02	2.46E-02
5601 477906.31, 3849936.37	0.32782	0.32287	4.98E-02	5.11E-02	4.69E-02	4.81E-02	4.53E-02	1.32E-02	1.30E-02	2.62E-02	1.29E-02	1.27E-02	2.56E-02	1.27E-02	1.25E-02	2.52E-02
5602 477987.89, 3849976.36	0.32829	0.3239	4.99E-02	5.13E-02	4.70E-02	4.81E-02	4.54E-02	1.32E-02	1.30E-02	2.62E-02	1.29E-02	1.27E-02	2.56E-02	1.27E-02	1.26E-02	2.53E-02
5603 478069.47, 3850016.36	0.332	0.3261	5.04E-02	5.16E-02	4.75E-02	4.87E-02	4.59E-02	1.34E-02	1.31E-02	2.65E-02	1.30E-02	1.28E-02	2.58E-02	1.29E-02	1.26E-02	2.55E-02
5604 478151.04, 3850056.35	0.33364	0.32686	5.07E-02	5.18E-02	4.78E-02	4.89E-02	4.61E-02	1.34E-02	1.32E-02	2.66E-02	1.31E-02	1.28E-02	2.59E-02	1.29E-02	1.27E-02	2.56E-02
5605 478232.62, 3850096.35	0.33708	0.32973	5.12E-02	5.22E-02	4.83E-02	4.94E-02	4.66E-02	1.36E-02	1.33E-02	2.68E-02	1.32E-02	1.29E-02	2.62E-02	1.31E-02	1.28E-02	2.58E-02
5606 478314.2, 3850136.34	0.33831	0.3302	5.14E-02	5.23E-02	4.84E-02	4.96E-02	4.68E-02	1.36E-02	1.33E-02	2.69E-02	1.33E-02	1.30E-02	2.63E-02	1.31E-02	1.28E-02	2.59E-02

5607 478395.77, 3850176.34	0.33922	0.33034	5.15E-02	5.23E-02	4.86E-02	4.97E-02	4.69E-02	1.37E-02	1.33E-02	2.69E-02	1.33E-02	1.30E-02	2.63E-02	1.31E-02	1.28E-02	2.59E-02
5608 478575.43, 3850244.45	0.25931	0.25307	3.94E-02	4.01E-02	3.71E-02	3.80E-02	3.59E-02	1.04E-02	1.02E-02	2.06E-02	1.02E-02	9.94E-03	2.01E-02	1.00E-02	9.81E-03	1.99E-02
5609 478665.06, 3850287.29	0.25654	0.25001	3.90E-02	3.96E-02	3.67E-02	3.76E-02	3.55E-02	1.03E-02	1.01E-02	2.04E-02	1.01E-02	9.82E-03	1.99E-02	9.94E-03	9.69E-03	1.96E-02
5610 478754.69, 3850330.14	0.25354	0.2467	3.85E-02	3.91E-02	3.63E-02	3.72E-02	3.51E-02	1.02E-02	9.93E-03	2.01E-02	9.96E-03	9.69E-03	1.96E-02	9.82E-03	9.56E-03	1.94E-02
5611 478844.32, 3850372.99	0.24869	0.24173	3.78E-02	3.83E-02	3.56E-02	3.65E-02	3.44E-02	1.00E-02	9.73E-03	1.97E-02	9.77E-03	9.49E-03	1.93E-02	9.64E-03	9.37E-03	1.90E-02
5612 478933.95, 3850415.84	0.24276	0.23607	3.69E-02	3.74E-02	3.48E-02	3.56E-02	3.36E-02	9.77E-03	9.50E-03	1.93E-02	9.53E-03	9.27E-03	1.88E-02	9.41E-03	9.15E-03	1.86E-02
5613 479023.58, 3850458.68	0.24572	0.23814	3.73E-02	3.77E-02	3.52E-02	3.60E-02	3.40E-02	9.89E-03	9.58E-03	1.95E-02	9.65E-03	9.35E-03	1.90E-02	9.52E-03	9.23E-03	1.87E-02
5614 479110.66, 3850441.9	0.13932	0.13708	2.12E-02	2.17E-02	1.99E-02	2.04E-02	1.93E-02	5.61E-03	5.52E-03	1.11E-02	5.47E-03	5.38E-03	1.09E-02	5.40E-03	5.31E-03	1.07E-02
5615 479191.22, 3850423.99	0.09777	0.09685	1.49E-02	1.53E-02	1.40E-02	1.43E-02	1.35E-02	3.93E-03	3.90E-03	7.83E-03	3.84E-03	3.80E-03	7.64E-03	3.79E-03	3.75E-03	7.54E-03
5616 479274.32, 3850465.71	0.09884	0.09781	1.50E-02	1.55E-02	1.41E-02	1.45E-02	1.37E-02	3.98E-03	3.94E-03	7.91E-03	3.88E-03	3.84E-03	7.72E-03	3.83E-03	3.79E-03	7.62E-03
5617 479357.43, 3850507.42	0.0998	0.09857	1.52E-02	1.56E-02	1.43E-02	1.46E-02	1.38E-02	4.02E-03	3.97E-03	7.98E-03	3.92E-03	3.87E-03	7.79E-03	3.87E-03	3.82E-03	7.69E-03
5618 479440.53, 3850549.14	0.09968	0.09831	1.51E-02	1.56E-02	1.43E-02	1.46E-02	1.38E-02	4.01E-03	3.96E-03	7.97E-03	3.91E-03	3.86E-03	7.78E-03	3.86E-03	3.81E-03	7.67E-03
5619 479523.64, 3850590.85	0.09984	0.09837	1.52E-02	1.56E-02	1.43E-02	1.46E-02	1.38E-02	4.02E-03	3.96E-03	7.98E-03	3.92E-03	3.86E-03	7.78E-03	3.87E-03	3.81E-03	7.68E-03
5620 479606.74, 3850632.57	0.10065	0.09909	1.53E-02	1.57E-02	1.44E-02	1.48E-02	1.39E-02	4.05E-03	3.99E-03	8.04E-03	3.95E-03	3.89E-03	7.84E-03	3.90E-03	3.84E-03	7.74E-03
5621 479777.37, 3850707.61	0.0958	0.09432	1.46E-02	1.49E-02	1.37E-02	1.40E-02	1.32E-02	3.86E-03	3.80E-03	7.65E-03	3.76E-03	3.70E-03	7.47E-03	3.71E-03	3.65E-03	7.37E-03
5622 479864.9, 3850740.95	0.0916	0.09027	1.39E-02	1.43E-02	1.31E-02	1.34E-02	1.27E-02	3.69E-03	3.63E-03	7.32E-03	3.60E-03	3.54E-03	7.14E-03	3.55E-03	3.50E-03	7.05E-03
5623 479931.87, 3850829.56	0.12709	0.12439	1.93E-02	1.97E-02	1.82E-02	1.86E-02	1.76E-02	5.11E-03	5.01E-03	1.01E-02	4.99E-03	4.88E-03	9.88E-03	4.92E-03	4.82E-03	9.74E-03
5624 479995.55, 3850926.75	0.22864	0.22134	3.47E-02	3.50E-02	3.27E-02	3.35E-02	3.16E-02	9.20E-03	8.91E-03	1.81E-02	8.98E-03	8.69E-03	1.77E-02	8.86E-03	8.58E-03	1.74E-02
5625 480079.78, 3850968.64	0.22774	0.22182	3.46E-02	3.51E-02	3.26E-02	3.34E-02	3.15E-02	9.16E-03	8.93E-03	1.81E-02	8.94E-03	8.71E-03	1.77E-02	8.82E-03	8.60E-03	1.74E-02
5626 480164.01, 3851010.54	0.22768	0.22318	3.46E-02	3.53E-02	3.26E-02	3.34E-02	3.15E-02	9.16E-03	8.98E-03	1.81E-02	8.94E-03	8.76E-03	1.77E-02	8.82E-03	8.65E-03	1.75E-02
5627 480248.23, 3851052.43	0.22625	0.22319	3.44E-02	3.53E-02	3.24E-02	3.32E-02	3.13E-02	9.11E-03	8.98E-03	1.81E-02	8.88E-03	8.76E-03	1.76E-02	8.77E-03	8.65E-03	1.74E-02
5628 480332.46, 3851094.33	0.22821	0.22614	3.47E-02	3.58E-02	3.27E-02	3.35E-02	3.16E-02	9.18E-03	9.10E-03	1.83E-02	8.96E-03	8.88E-03	1.78E-02	8.84E-03	8.76E-03	1.76E-02
5629 480416.69, 3851136.22	0.23256	0.23093	3.53E-02	3.66E-02	3.33E-02	3.41E-02	3.22E-02	9.36E-03	9.29E-03	1.87E-02	9.13E-03	9.07E-03	1.82E-02	9.01E-03	8.95E-03	1.80E-02
5630 480579.95, 3851215.17	0.22913	0.22936	3.48E-02	3.63E-02	3.28E-02	3.36E-02	3.17E-02	9.22E-03	9.23E-03	1.85E-02	9.00E-03	9.01E-03	1.80E-02	8.88E-03	8.89E-03	1.78E-02
5631 480658.98, 3851252.22	0.22407	0.22533	3.40E-02	3.57E-02	3.21E-02	3.29E-02	3.10E-02	9.02E-03	9.07E-03	1.81E-02	8.80E-03	8.85E-03	1.76E-02	8.68E-03	8.73E-03	1.74E-02
5632 480817.36, 3851327.85	0.21794	0.22108	3.31E-02	3.50E-02	3.12E-02	3.20E-02	3.01E-02	8.77E-03	8.90E-03	1.77E-02	8.56E-03	8.68E-03	1.72E-02	8.44E-03	8.57E-03	1.70E-02
5633 480896.71, 3851366.42	0.21624	0.2203	3.29E-02	3.49E-02	3.10E-02	3.17E-02	2.99E-02	8.70E-03	8.87E-03	1.76E-02	8.49E-03	8.65E-03	1.71E-02	8.38E-03	8.54E-03	1.69E-02
5634 480976.07, 3851405	0.21444	0.21939	3.26E-02	3.47E-02	3.07E-02	3.14E-02	2.97E-02	8.63E-03	8.83E-03	1.75E-02	8.42E-03	8.62E-03	1.70E-02	8.31E-03	8.50E-03	1.68E-02
5635 481178, 3851487.31	0.17257	0.17644	2.62E-02	2.79E-02	2.47E-02	2.53E-02	2.39E-02	6.94E-03	7.10E-03	1.40E-02	6.78E-03	6.93E-03	1.37E-02	6.69E-03	6.84E-03	1.35E-02
5636 481244.9, 3851557.17	0.21535	0.21729	3.27E-02	3.44E-02	3.08E-02	3.16E-02	2.98E-02	8.67E-03	8.74E-03	1.74E-02	8.46E-03	8.53E-03	1.70E-02	8.34E-03	8.42E-03	1.68E-02
5637 481311.81, 3851627.03	0.2471	0.24815	3.75E-02	3.93E-02	3.54E-02	3.62E-02	3.42E-02	9.94E-03	9.99E-03	1.99E-02	9.70E-03	9.74E-03	1.94E-02	9.57E-03	9.62E-03	1.92E-02
5638 481378.71, 3851696.89	0.23769	0.23774	3.61E-02	3.76E-02	3.40E-02	3.49E-02	3.29E-02	9.57E-03	9.57E-03	1.91E-02	9.33E-03	9.34E-03	1.87E-02	9.21E-03	9.21E-03	1.84E-02
5639 481445.61, 3851766.76	0.23489	0.2351	3.57E-02	3.72E-02	3.36E-02	3.44E-02	3.25E-02	9.45E-03	9.46E-03	1.89E-02	9.22E-03	9.23E-03	1.85E-02	9.10E-03	9.11E-03	1.82E-02
5640 481512.51, 3851836.62	0.23466	0.23482	3.57E-02	3.72E-02	3.36E-02	3.44E-02	3.25E-02	9.44E-03	9.45E-03	1.89E-02	9.22E-03	9.22E-03	1.84E-02	9.09E-03	9.10E-03	1.82E-02
5641 481579.42, 3851906.48	0.23312	0.23333	3.54E-02	3.69E-02	3.34E-02	3.42E-02	3.22E-02	9.38E-03	9.39E-03	1.88E-02	9.15E-03	9.16E-03	1.83E-02	9.03E-03	9.04E-03	1.81E-02
5642 481646.32, 3851976.34	0.23513	0.23523	3.57E-02	3.72E-02	3.37E-02	3.45E-02	3.25E-02	9.46E-03	9.47E-03	1.89E-02	9.23E-03	9.24E-03	1.85E-02	9.11E-03	9.11E-03	1.82E-02
5643 481713.22, 3852046.2	0.23349	0.23366	3.55E-02	3.70E-02	3.34E-02	3.42E-02	3.23E-02	9.40E-03	9.40E-03	1.88E-02	9.17E-03	9.18E-03	1.83E-02	9.05E-03	9.05E-03	1.81E-02
5644 481780.12, 3852116.06	0.23547	0.23563	3.58E-02	3.73E-02	3.37E-02	3.45E-02	3.26E-02	9.48E-03	9.48E-03	1.90E-02	9.25E-03	9.25E-03	1.85E-02	9.12E-03	9.13E-03	1.83E-02
5645 481847.03, 3852185.92	0.23875	0.23883	3.63E-02	3.78E-02	3.42E-02	3.50E-02	3.30E-02	9.61E-03	9.61E-03	1.92E-02	9.38E-03	9.38E-03	1.88E-02	9.25E-03	9.25E-03	1.85E-02
5646 481913.93, 3852255.78	0.24049	0.24062	3.65E-02	3.81E-02	3.44E-02	3.53E-02	3.33E-02	9.68E-03	9.68E-03	1.94E-02	9.44E-03	9.45E-03	1.89E-02	9.32E-03	9.32E-03	1.86E-02
5647 481980.83, 3852325.65	0.24337	0.24342	3.70E-02	3.85E-02	3.48E-02	3.57E-02	3.37E-02	9.79E-03	9.80E-03	1.96E-02	9.56E-03	9.56E-03	1.91E-02	9.43E-03	9.43E-03	1.89E-02
5648 482047.73, 3852395.51	0.24396	0.24433	3.71E-02	3.87E-02	3.49E-02	3.58E-02	3.37E-02	9.82E-03	9.83E-03	1.97E-02	9.58E-03	9.59E-03	1.92E-02	9.45E-03	9.47E-03	1.89E-02
5649 482114.64, 3852465.37	0.24415	0.24439	3.71E-02	3.87E-02	3.50E-02	3.58E-02	3.38E-02	9.83E-03	9.84E-03	1.97E-02	9.59E-03	9.60E-03	1.92E-02	9.46E-03	9.47E-03	1.89E-02
5650 482181.54, 3852535.23	0.24755	0.24777	3.76E-02	3.92E-02	3.54E-02	3.63E-02	3.42E-02	9.96E-03	9.97E-03	1.99E-02	9.72E-03	9.73E-03	1.95E-02	9.59E-03	9.60E-03	1.92E-02
5651 482338.69, 3852700.04	0.25316	0.25323	3.85E-02	4.01E-02	3.62E-02	3.71E-02	3.50E-02	1.02E-02	1.02E-02	2.04E-02	9.94E-03	9.94E-03	1.99E-02	9.81E-03	9.81E-03	1.96E-02
5652 482404.05, 3852767.78	0.25128	0.25156	3.82E-02	3.98E-02	3.60E-02	3.68E-02	3.48E-02	1.01E-02	1.01E-02	2.02E-02	9.87E-03	9.88E-03	1.97E-02	9.74E-03	9.75E-03	1.95E-02
5653 482469.4, 3852835.52	0.25287	0.25281	3.84E-02	4.00E-02	3.62E-02	3.71E-02	3.50E-02	1.02E-02	1.02E-02	2.04E-02	9.93E-03	9.93E-03	1.99E-02	9.80E-03	9.80E-03	1.96E-02
5654 482534.75, 3852903.25	0.25271	0.25251	3.84E-02	4.00E-02	3.62E-02	3.71E-02	3.50E-02	1.02E-02	1.02E-02	2.03E-02	9.92E-03	9.92E-03	1.98E-02	9.79E-03	9.78E-03	1.96E-02
5655 482600.11, 3852970.99	0.24661	0.24747	3.75E-02	3.92E-02	3.53E-02	3.62E-02	3.41E-02	9.92E-03	9.96E-03	1.99E-02	9.68E-03	9.72E-03	1.94E-02	9.56E-03	9.59E-03	1.91E-02
5656 482706.71, 3853119.28	0.19966	0.20256	3.03E-02	3.21E-02	2.86E-02	2.93E-02	2.76E-02	8.03E-03	8.15E-03	1.62E-02	7.84E-03	7.95E-03	1.58E-02	7.74E-03	7.85E-03	1.56E-02
5657 482747.96, 3853199.84	0.20262	0.20512	3.08E-02	3.25E-02	2.90E-02	2.97E-02	2.80E-02	8.15E-03	8.25E-03	1.64E-02	7.96E-03	8.06E-03	1.60E-02	7.85E-03	7.95E-03	1.58E-02
5658 482789.21, 3853280.4	0.1913	0.19627	2.91E-02	3.11E-02	2.74E-02	2.80E-02	2.65E-02	7.70E-03	7.90E-03	1.56E-02	7.51E-03	7.71E-03	1.52E-02	7.41E-03	7.61E-03	1.50E-02
5659 482830.46, 3853360.96	0.16134	0.17572	2.45E-02	2.78E-02	2.31E-02	2.37E-02	2.23E-02	6.49E-03	7.07E-03	1.36E-02	6.34E-03	6.90E-03	1.32E-02	6.25E-03	6.81E-03	1.31E-02
5660 482871.71, 3853441.52	0.13855	0.15867	2.11E-02	2.51E-02	1.98E-02	2.03E-02	1.92E-02	5.58E-03	6.39E-03	1.20E-02	5.44E-03	6.23E-03	1.17E-02	5.37E-03	6.15E-03	1.15E-02
5661 482912.95, 3853522.07	0.12088	0.1488	1.84E-02	2.36E-02	1.73E-02	1.77E-02	1.67E-02	4.86E-03	5.99E-03	1.09E-02	4.75E-03	5.84E-03	1.06E-02	4.68E-03	5.77E-03	1.04E-02
5662 482954.2, 3853602.63	0.09945	0.14198	1.51E-02	2.25E-02	1.42E-02	1.46E-02	1.38E-02	4.00E-03	5.71E-03	9.72E-03	3.91E-03	5.58E-03	9.48E-03	3.85E-03	5.50E-03	9.36E-03
5663 482995.45, 3853683.19	0.0832	0.13617	1.26E-02	2.16E-02	1.19E-02	1.22E-02	1.15E-02	3.35E-03	5.48E-03	8.83E-03	3.27E-03	5.35E-03	8.61E-03	3.22E-03	5.28E-03	8.50E-03
5664 483036.7, 3853763.75	0.07141	0.13133	1.09E-02	2.08E-02	1.02E-02	1.05E-02	9.88E-03	2.87E-03	5.29E-03	8.16E-03	2.80E-03	5.16E-03	7.96E-03	2.77E-03	5.09E-03	7.86E-03
5665 483214.2, 3853909.91	0.04012	0.07332	6.10E-03	1.16E-02	5.74E-03	5.88E-03	5.55E-03	1.61E-03	2.95E-03	4.57E-03	1.58E-03	2.88E-03	4.45E-03	1.55E-03	2.84E-03	4.40E-03
5666 483307.01, 3853910.44	0.03338	0.05692	5.07E-03	9.01E-03	4.78E-03	4.89E-03	4.62E-03	1.34E-03	2.29E-03	3.63E-03	1.31E-03	2.24E-03	3.55E-03	1.29E-03	2.21E-03	3.50E-03
5667 483399.83, 3853910.96	0.0284	0.04669	4.32E-03	7.39E-03	4.07E-03	4.16E-03	3.93E-03	1.14E-03	1.88E-03	3.02E-03	1.12E-03	1.83E-03	2.95E-03	1.10E-03	1.81E-03	2.91E-03
5668 483494.52, 3854009.24	0.02548	0.05166	3.87E-03	8.18E-03	3.65E-03	3.74E-03	3.52E-03	1.03E-03	2.08E-03	3.10E-03	1.00E-03	2.03E-03	3.03E-03	9.87E-04	2.00E-03	2.99E-03
5669 483496.41, 3854106.98	0.02607	0.07577	3.96E-03	1.20E-02	3.73E-03	3.82E-03	3.61E-03	1.05E-03	3.05E-03	4.10E-03	1.02E-03	2.98E-03	4.00E-03	1.01E-03	2.94E-03	3.95E-03
5670 483577.56, 3854261.96	0.0234	0.14007	3.56E-03	2.22E-02	3.35E-03	3.43E-03	3.24E-03	9.42E-04	5.64E-03	6.58E-03	9.19E-04	5.50E-03	6.42E-03	9.07E-04	5.43E-03	6.33E-03
5671 483656.83, 3854319.19	0.02108	0.14922	3.20E-03	2.36E-02	3.02E-03	3.09E-03	2.92E-03	8.48E-04	6.01E-03	6.85E-03	8.28E-04	5.86E-03	6.69E-03	8.17E-04	5.78E-03	6.60E-03
5672 483736.1, 3854376.41	0.01919	0.15856	2.92E-03	2.51E-02	2.75E-03	2.81E-03	2.65E-03	7.72E-04	6.38E-03	7.15E-03	7.54E-04	6.23E-03	6.98E-03	7.44E-04	6.14E-03	6.89E-03

5673 483815.36, 3854433.64	0.01769	0.17042	2.69E-03	2.70E-02	2.53E-03	2.59E-03	2.45E-03	7.12E-04	6.86E-03	7.57E-03	6.95E-04	6.69E-03	7.39E-03	6.85E-04	6.60E-03	7.29E-03
5674 483894.63, 3854490.87	0.01645	0.18379	2.50E-03	2.91E-02	2.35E-03	2.41E-03	2.28E-03	6.62E-04	7.40E-03	8.06E-03	6.46E-04	7.22E-03	7.86E-03	6.37E-04	7.12E-03	7.76E-03
5675 483973.9, 3854548.09	0.0155	0.19742	2.36E-03	3.13E-02	2.22E-03	2.27E-03	2.14E-03	6.24E-04	7.94E-03	8.57E-03	6.09E-04	7.75E-03	8.36E-03	6.01E-04	7.65E-03	8.25E-03
5676 484053.17, 3854605.32	0.01492	0.21841	2.27E-03	3.46E-02	2.14E-03	2.19E-03	2.06E-03	6.00E-04	8.79E-03	9.39E-03	5.86E-04	8.58E-03	9.16E-03	5.78E-04	8.46E-03	9.04E-03
5677 484214.97, 3854698.15	0.01399	0.22545	2.13E-03	3.57E-02	2.00E-03	2.05E-03	1.93E-03	5.63E-04	9.07E-03	9.64E-03	5.49E-04	8.85E-03	9.40E-03	5.42E-04	8.74E-03	9.28E-03
5678 484297.5, 3854733.74	0.01383	0.22933	2.10E-03	3.63E-02	1.98E-03	2.03E-03	1.91E-03	5.57E-04	9.23E-03	9.79E-03	5.43E-04	9.01E-03	9.55E-03	5.36E-04	8.89E-03	9.42E-03
5679 484380.03, 3854769.34	0.01346	0.2252	2.05E-03	3.57E-02	1.93E-03	1.97E-03	1.86E-03	5.42E-04	9.06E-03	9.60E-03	5.29E-04	8.84E-03	9.37E-03	5.22E-04	8.73E-03	9.25E-03
5680 484462.56, 3854804.94	0.01338	0.22393	2.03E-03	3.55E-02	1.92E-03	1.96E-03	1.85E-03	5.38E-04	9.01E-03	9.55E-03	5.25E-04	8.79E-03	9.32E-03	5.18E-04	8.68E-03	9.20E-03
5681 484545.09, 3854840.53	0.01304	0.2153	1.98E-03	3.41E-02	1.87E-03	1.91E-03	1.80E-03	5.25E-04	8.66E-03	9.19E-03	5.12E-04	8.45E-03	8.97E-03	5.05E-04	8.34E-03	8.85E-03
5682 484691.88, 3854912.58	0.01305	0.22635	1.98E-03	3.58E-02	1.87E-03	1.91E-03	1.80E-03	5.25E-04	9.11E-03	9.63E-03	5.12E-04	8.89E-03	9.40E-03	5.06E-04	8.77E-03	9.28E-03
5683 484830.81, 3855012.51	0.01324	0.19116	2.01E-03	3.03E-02	1.90E-03	1.94E-03	1.83E-03	5.33E-04	7.69E-03	8.23E-03	5.20E-04	7.51E-03	8.03E-03	5.13E-04	7.41E-03	7.92E-03
5684 484905.48, 3855075.97	0.01375	0.17664	2.09E-03	2.80E-02	1.97E-03	2.02E-03	1.90E-03	5.53E-04	7.11E-03	7.66E-03	5.40E-04	6.94E-03	7.48E-03	5.33E-04	6.84E-03	7.38E-03
5685 484980.14, 3855139.44	0.01404	0.16738	2.13E-03	2.65E-02	2.01E-03	2.06E-03	1.94E-03	5.65E-04	6.74E-03	7.30E-03	5.51E-04	6.57E-03	7.12E-03	5.44E-04	6.49E-03	7.03E-03
5686 485054.81, 3855202.91	0.01414	0.1581	2.15E-03	2.50E-02	2.02E-03	2.07E-03	1.96E-03	5.69E-04	6.36E-03	6.93E-03	5.55E-04	6.21E-03	6.76E-03	5.48E-04	6.13E-03	6.67E-03
5687 485129.48, 3855266.37	0.01398	0.14653	2.12E-03	2.32E-02	2.00E-03	2.05E-03	1.93E-03	5.63E-04	5.90E-03	6.46E-03	5.49E-04	5.75E-03	6.30E-03	5.42E-04	5.68E-03	6.22E-03
5688 485204.15, 3855329.84	0.01431	0.14433	2.17E-03	2.29E-02	2.05E-03	2.10E-03	1.98E-03	5.76E-04	5.81E-03	6.38E-03	5.62E-04	5.67E-03	6.23E-03	5.54E-04	5.59E-03	6.15E-03
5689 485278.82, 3855393.31	0.01437	0.13715	2.18E-03	2.17E-02	2.06E-03	2.11E-03	1.99E-03	5.78E-04	5.52E-03	6.10E-03	5.64E-04	5.39E-03	5.95E-03	5.57E-04	5.31E-03	5.87E-03
5690 485353.48, 3855456.77	0.01458	0.13197	2.22E-03	2.09E-02	2.09E-03	2.14E-03	2.02E-03	5.87E-04	5.31E-03	5.90E-03	5.73E-04	5.18E-03	5.75E-03	5.65E-04	5.11E-03	5.68E-03
5691 485428.15, 3855520.24	0.01464	0.12558	2.22E-03	1.99E-02	2.10E-03	2.15E-03	2.02E-03	5.89E-04	5.05E-03	5.64E-03	5.75E-04	4.93E-03	5.51E-03	5.67E-04	4.87E-03	5.43E-03
5692 485502.82, 3855583.71	0.01473	0.12056	2.24E-03	1.91E-02	2.11E-03	2.16E-03	2.04E-03	5.93E-04	4.85E-03	5.44E-03	5.78E-04	4.73E-03	5.31E-03	5.71E-04	4.67E-03	5.24E-03
5693 485577.49, 3855647.17	0.01506	0.11753	2.29E-03	1.86E-02	2.16E-03	2.21E-03	2.08E-03	6.06E-04	4.73E-03	5.34E-03	5.91E-04	4.62E-03	5.21E-03	5.84E-04	4.55E-03	5.14E-03
5694 485652.16, 3855710.64	0.01538	0.11429	2.34E-03	1.81E-02	2.20E-03	2.26E-03	2.13E-03	6.19E-04	4.60E-03	5.22E-03	6.04E-04	4.49E-03	5.09E-03	5.96E-04	4.43E-03	5.02E-03
5695 485726.83, 3855774.1	0.01547	0.10967	2.35E-03	1.74E-02	2.21E-03	2.27E-03	2.14E-03	6.23E-04	4.41E-03	5.04E-03	6.08E-04	4.31E-03	4.91E-03	5.99E-04	4.25E-03	4.85E-03
5696 485801.49, 3855837.57	0.01544	0.10476	2.35E-03	1.66E-02	2.21E-03	2.26E-03	2.14E-03	6.21E-04	4.22E-03	4.84E-03	6.06E-04	4.11E-03	4.72E-03	5.98E-04	4.06E-03	4.66E-03
5697 485876.16, 3855901.04	0.01551	0.10165	2.36E-03	1.61E-02	2.22E-03	2.27E-03	2.15E-03	6.24E-04	4.09E-03	4.71E-03	6.09E-04	3.99E-03	4.60E-03	6.01E-04	3.94E-03	4.54E-03
5698 485950.83, 3855964.5	0.01549	0.09843	2.35E-03	1.56E-02	2.22E-03	2.27E-03	2.14E-03	6.23E-04	3.96E-03	4.58E-03	6.08E-04	3.87E-03	4.47E-03	6.00E-04	3.81E-03	4.41E-03
5699 486025.5, 3856027.97	0.01533	0.09444	2.33E-03	1.50E-02	2.19E-03	2.25E-03	2.12E-03	6.17E-04	3.80E-03	4.42E-03	6.02E-04	3.71E-03	4.31E-03	5.94E-04	3.66E-03	4.25E-03
5700 486100.17, 3856091.44	0.01573	0.09412	2.39E-03	1.49E-02	2.25E-03	2.31E-03	2.18E-03	6.33E-04	3.79E-03	4.42E-03	6.18E-04	3.70E-03	4.31E-03	6.10E-04	3.65E-03	4.26E-03
5701 486174.83, 3856154.9	0.01549	0.08954	2.35E-03	1.42E-02	2.22E-03	2.27E-03	2.14E-03	6.23E-04	3.60E-03	4.23E-03	6.08E-04	3.52E-03	4.12E-03	6.00E-04	3.47E-03	4.07E-03
5702 486249.5, 3856218.37	0.01496	0.08396	2.27E-03	1.33E-02	2.14E-03	2.19E-03	2.07E-03	6.02E-04	3.38E-03	3.98E-03	5.87E-04	3.30E-03	3.88E-03	5.80E-04	3.25E-03	3.83E-03
5703 486324.17, 3856281.84	0.0146	0.08155	2.22E-03	1.29E-02	2.09E-03	2.14E-03	2.02E-03	5.88E-04	3.28E-03	3.87E-03	5.73E-04	3.20E-03	3.78E-03	5.66E-04	3.16E-03	3.73E-03
5704 486398.84, 3856345.3	0.01477	0.08236	2.24E-03	1.30E-02	2.11E-03	2.17E-03	2.04E-03	5.94E-04	3.31E-03	3.91E-03	5.80E-04	3.23E-03	3.81E-03	5.72E-04	3.19E-03	3.76E-03
5705 486473.51, 3856408.77	0.0148	0.08082	2.25E-03	1.28E-02	2.12E-03	2.17E-03	2.05E-03	5.96E-04	3.25E-03	3.85E-03	5.81E-04	3.17E-03	3.75E-03	5.73E-04	3.13E-03	3.71E-03
5706 486548.17, 3856472.24	0.015	0.08012	2.28E-03	1.27E-02	2.15E-03	2.20E-03	2.07E-03	6.04E-04	3.22E-03	3.83E-03	5.89E-04	3.15E-03	3.74E-03	5.81E-04	3.10E-03	3.69E-03
5707 486622.84, 3856535.7	0.01522	0.07893	2.31E-03	1.25E-02	2.18E-03	2.23E-03	2.11E-03	6.13E-04	3.18E-03	3.79E-03	5.98E-04	3.10E-03	3.70E-03	5.90E-04	3.06E-03	3.65E-03
5708 486765.48, 3856659.69	0.01583	0.07557	2.41E-03	1.20E-02	2.27E-03	2.32E-03	2.19E-03	6.37E-04	3.04E-03	3.68E-03	6.22E-04	2.97E-03	3.59E-03	6.13E-04	2.93E-03	3.54E-03
5709 486833.44, 3856720.2	0.01608	0.07454	2.44E-03	1.18E-02	2.30E-03	2.36E-03	2.22E-03	6.47E-04	3.00E-03	3.65E-03	6.31E-04	2.93E-03	3.56E-03	6.23E-04	2.89E-03	3.51E-03
5710 486901.41, 3856780.72	0.01642	0.07339	2.50E-03	1.16E-02	2.35E-03	2.41E-03	2.27E-03	6.61E-04	2.95E-03	3.61E-03	6.45E-04	2.88E-03	3.53E-03	6.36E-04	2.84E-03	3.48E-03
5711 486969.38, 3856841.24	0.01672	0.07252	2.54E-03	1.15E-02	2.39E-03	2.45E-03	2.31E-03	6.73E-04	2.92E-03	3.59E-03	6.57E-04	2.85E-03	3.50E-03	6.48E-04	2.81E-03	3.46E-03
5712 487037.34, 3856901.75	0.01702	0.07177	2.59E-03	1.14E-02	2.44E-03	2.50E-03	2.35E-03	6.85E-04	2.89E-03	3.57E-03	6.68E-04	2.82E-03	3.49E-03	6.59E-04	2.78E-03	3.44E-03
5713 487271.23, 3856855.51	0.01507	0.0399	2.29E-03	6.32E-03	2.16E-03	2.21E-03	2.08E-03	6.06E-04	1.61E-03	2.21E-03	5.92E-04	1.57E-03	2.16E-03	5.84E-04	1.55E-03	2.13E-03
5714 487368.95, 3856857.29	0.01459	0.03489	2.22E-03	5.52E-03	2.09E-03	2.14E-03	2.02E-03	5.87E-04	1.40E-03	1.99E-03	5.73E-04	1.37E-03	1.94E-03	5.65E-04	1.35E-03	1.92E-03
5715 487466.68, 3856859.06	0.0142	0.03107	2.16E-03	4.92E-03	2.03E-03	2.08E-03	1.96E-03	5.71E-04	1.25E-03	1.82E-03	5.58E-04	1.22E-03	1.78E-03	5.50E-04	1.20E-03	1.75E-03
5716 487636.44, 3856930	0.01407	0.02809	2.14E-03	4.45E-03	2.01E-03	2.06E-03	1.95E-03	5.66E-04	1.13E-03	1.70E-03	5.53E-04	1.10E-03	1.66E-03	5.45E-04	1.09E-03	1.63E-03
5717 487709.57, 3856928.43	0.01379	0.02614	2.10E-03	4.14E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	1.05E-03	1.61E-03	5.42E-04	1.03E-03	1.57E-03	5.34E-04	1.01E-03	1.55E-03
5718 487782.55, 3856841.96	0.01287	0.02278	1.96E-03	3.61E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	9.17E-04	1.43E-03	5.05E-04	8.95E-04	1.40E-03	4.99E-04	8.83E-04	1.38E-03
5719 487849.83, 3856754.74	0.01211	0.02034	1.84E-03	3.22E-03	1.73E-03	1.78E-03	1.67E-03	4.87E-04	8.19E-04	1.31E-03	4.76E-04	7.99E-04	1.27E-03	4.69E-04	7.88E-04	1.26E-03
5720 487918.03, 3856819.39	0.01237	0.02034	1.88E-03	3.22E-03	1.77E-03	1.81E-03	1.71E-03	4.98E-04	8.19E-04	1.32E-03	4.86E-04	7.99E-04	1.28E-03	4.79E-04	7.88E-04	1.27E-03
5721 487918.8, 3856886.37	0.01282	0.02131	1.95E-03	3.37E-03	1.84E-03	1.88E-03	1.77E-03	5.16E-04	8.58E-04	1.37E-03	5.03E-04	8.37E-04	1.34E-03	4.97E-04	8.26E-04	1.32E-03
5722 488065.46, 3857127.5	0.014	0.02309	2.13E-03	3.66E-03	2.00E-03	2.05E-03	1.94E-03	5.63E-04	9.29E-04	1.49E-03	5.50E-04	9.07E-04	1.46E-03	5.42E-04	8.95E-04	1.44E-03
5723 488192.19, 3857385.83	0.01616	0.02608	2.46E-03	4.13E-03	2.31E-03	2.37E-03	2.24E-03	6.50E-04	1.05E-03	1.70E-03	6.35E-04	1.02E-03	1.66E-03	6.26E-04	1.01E-03	1.64E-03
5724 488191.21, 3857473.87	0.01737	0.02854	2.64E-03	4.52E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	1.15E-03	1.85E-03	6.82E-04	1.12E-03	1.80E-03	6.73E-04	1.11E-03	1.78E-03
5725 488190.24, 3857561.9	0.01878	0.03157	2.85E-03	5.00E-03	2.69E-03	2.75E-03	2.60E-03	7.56E-04	1.27E-03	2.03E-03	7.37E-04	1.24E-03	1.98E-03	7.28E-04	1.22E-03	1.95E-03
5726 488158.35, 3857691.13	0.02153	0.03939	3.27E-03	6.24E-03	3.08E-03	3.16E-03	2.98E-03	8.66E-04	1.59E-03	2.45E-03	8.45E-04	1.55E-03	2.39E-03	8.34E-04	1.53E-03	2.36E-03
5727 488208.37, 3857816.66	0.02409	0.04498	3.66E-03	7.12E-03	3.45E-03	3.53E-03	3.33E-03	9.69E-04	1.81E-03	2.78E-03	9.46E-04	1.77E-03	2.71E-03	9.33E-04	1.74E-03	2.68E-03
5728 488271.97, 3857874.6	0.02495	0.04476	3.79E-03	7.09E-03	3.57E-03	3.66E-03	3.45E-03	1.00E-03	1.80E-03	2.81E-03	9.80E-04	1.76E-03	2.74E-03	9.67E-04	1.73E-03	2.70E-03
5729 488463.56, 3857942.31	0.02446	0.03741	3.72E-03	5.92E-03	3.50E-03	3.59E-03	3.38E-03	9.84E-04	1.51E-03	2.49E-03	9.61E-04	1.47E-03	2.43E-03	9.48E-04	1.45E-03	2.40E-03
5730 488554.83, 3857940.83	0.02326	0.03326	3.53E-03	5.27E-03	3.33E-03	3.41E-03	3.22E-03	9.36E-04	1.34E-03	2.27E-03	9.13E-04	1.31E-03	2.22E-03	9.01E-04	1.29E-03	2.19E-03
5731 488646.1, 3857939.36	0.02217	0.03	3.37E-03	4.75E-03	3.17E-03	3.25E-03	3.07E-03	8.92E-04	1.21E-03	2.10E-03	8.71E-04	1.18E-03	2.05E-03	8.59E-04	1.16E-03	2.02E-03
5732 488737.37, 3857937.88	0.02116	0.02738	3.22E-03	4.34E-03	3.03E-03	3.10E-03	2.93E-03	8.52E-04	1.10E-03	1.95E-03	8.31E-04	1.08E-03	1.91E-03	8.20E-04	1.06E-03	1.88E-03
5733 488733.59, 3857960.57	0.02167	0.02811	3.29E-03	4.45E-03	3.10E-03	3.18E-03	3.00E-03	8.72E-04	1.13E-03	2.00E-03	8.51E-04	1.10E-03	1.95E-03	8.40E-04	1.09E-03	1.93E-03
5734 488638.09, 3857961.57	0.02277	0.03103	3.46E-03	4.91E-03	3.26E-03	3.34E-03	3.15E-03	9.16E-04	1.25E-03	2.17E-03	8.94E-04	1.22E-03	2.11E-03	8.82E-04	1.20E-03	2.08E-03
5735 488542.6, 3857962.56	0.02399	0.03476	3.65E-03	5.50E-03	3.43E-03	3.52E-03	3.32E-03	9.65E-04	1.40E-03	2.36E-03	9.42E-04	1.37E-03	2.31E-03	9.30E-04	1.35E-03	2.28E-03
5736 488447.1, 3857963.56	0.02533	0.03956	3.85E-03	6.26E-03	3.63E-03	3.71E-03	3.50E-03	1.02E-03	1.59E-03	2.61E-03	9.95E-04	1.55E-03	2.55E-03	9.81E-04	1.53E-03	2.51E-03
5737 488254.28, 3857890.36	0.02571	0.0476	3.91E-03	7.54E-03	3.68E-03	3.77E-03	3.56E-03	1.03E-03	1.92E-03	2.95E-03	1.01E-03	1.87E-03	2.88E-03	9.96E-04	1.84E-03	2.84E-03
5738 488191.69, 3857833.06	0.02476	0.04779	3.76E-03	7.57E-03	3.54E-03	3.63E-03	3.42E-03	9.96E-04	1.92E-03	2.92E-03	9.72E-04	1.88E-03	2.85E-03	9.59E-04	1.85E-03	2.81E-03

5739 488129.5, 3857907.43	0.02843	0.06509	4.32E-03	1.03E-02	4.07E-03	4.17E-03	3.93E-03	1.14E-03	2.62E-03	3.76E-03	1.12E-03	2.56E-03	3.67E-03	1.10E-03	2.52E-03	3.62E-03
5740 488196.47, 3857968.73	0.02976	0.06472	4.52E-03	1.02E-02	4.26E-03	4.36E-03	4.12E-03	1.20E-03	2.60E-03	3.80E-03	1.17E-03	2.54E-03	3.71E-03	1.15E-03	2.51E-03	3.66E-03
5741 488263.44, 3858030.04	0.03111	0.06396	4.73E-03	1.01E-02	4.45E-03	4.56E-03	4.30E-03	1.25E-03	2.57E-03	3.83E-03	1.22E-03	2.51E-03	3.73E-03	1.21E-03	2.48E-03	3.68E-03
5742 488400.64, 3858132.9	0.03304	0.05962	5.02E-03	9.44E-03	4.73E-03	4.84E-03	4.57E-03	1.33E-03	2.40E-03	3.73E-03	1.30E-03	2.34E-03	3.64E-03	1.28E-03	2.31E-03	3.59E-03
5743 488519.89, 3858218.38	0.03537	0.05781	5.37E-03	9.15E-03	5.06E-03	5.19E-03	4.89E-03	1.42E-03	2.33E-03	3.75E-03	1.39E-03	2.27E-03	3.66E-03	1.37E-03	2.24E-03	3.61E-03
5744 488647.97, 3858214.99	0.03156	0.04484	4.80E-03	7.10E-03	4.52E-03	4.63E-03	4.36E-03	1.27E-03	1.80E-03	3.07E-03	1.24E-03	1.76E-03	3.00E-03	1.22E-03	1.74E-03	2.96E-03
5745 488727.05, 3858167.67	0.02781	0.03687	4.23E-03	5.84E-03	3.98E-03	4.08E-03	3.85E-03	1.12E-03	1.48E-03	2.60E-03	1.09E-03	1.45E-03	2.54E-03	1.08E-03	1.43E-03	2.51E-03
5746 488806.12, 3858120.35	0.02488	0.03146	3.78E-03	4.98E-03	3.56E-03	3.65E-03	3.44E-03	1.00E-03	1.27E-03	2.27E-03	9.77E-04	1.24E-03	2.21E-03	9.64E-04	1.22E-03	2.18E-03
5747 488885.2, 3858073.03	0.02254	0.0275	3.42E-03	4.35E-03	3.23E-03	3.30E-03	3.12E-03	9.07E-04	1.11E-03	2.01E-03	8.85E-04	1.08E-03	1.97E-03	8.73E-04	1.07E-03	1.94E-03
5748 489055.76, 3857991.17	0.01909	0.02212	2.90E-03	3.50E-03	2.73E-03	2.80E-03	2.64E-03	7.68E-04	8.90E-04	1.66E-03	7.50E-04	8.69E-04	1.62E-03	7.40E-04	8.57E-04	1.60E-03
5749 489245.39, 3857944.54	0.01686	0.01885	2.56E-03	2.98E-03	2.41E-03	2.47E-03	2.33E-03	6.78E-04	7.59E-04	1.44E-03	6.62E-04	7.40E-04	1.40E-03	6.53E-04	7.30E-04	1.38E-03
5750 489430.63, 3857930.91	0.01559	0.01693	2.37E-03	2.68E-03	2.23E-03	2.29E-03	2.16E-03	6.27E-04	6.81E-04	1.31E-03	6.12E-04	6.65E-04	1.28E-03	6.04E-04	6.56E-04	1.26E-03
5751 489517.74, 3857929.36	0.0151	0.01621	2.29E-03	2.57E-03	2.16E-03	2.21E-03	2.09E-03	6.08E-04	6.52E-04	1.26E-03	5.93E-04	6.37E-04	1.23E-03	5.85E-04	6.28E-04	1.21E-03
5752 489604.85, 3857927.82	0.01462	0.01554	2.22E-03	2.46E-03	2.09E-03	2.14E-03	2.02E-03	5.88E-04	6.25E-04	1.21E-03	5.74E-04	6.10E-04	1.18E-03	5.67E-04	6.02E-04	1.17E-03
5753 489691.97, 3857926.28	0.0142	0.01495	2.16E-03	2.37E-03	2.03E-03	2.08E-03	1.96E-03	5.71E-04	6.02E-04	1.17E-03	5.58E-04	5.87E-04	1.14E-03	5.50E-04	5.79E-04	1.13E-03
5754 489779.08, 3857924.73	0.01379	0.01439	2.10E-03	2.28E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	5.79E-04	1.13E-03	5.42E-04	5.65E-04	1.11E-03	5.34E-04	5.58E-04	1.09E-03
5755 490017.55, 3857875.08	0.01248	0.01285	1.90E-03	2.03E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	5.17E-04	1.02E-03	4.90E-04	5.05E-04	9.95E-04	4.84E-04	4.98E-04	9.81E-04
5756 490033.82, 3857960.81	0.01307	0.01328	1.99E-03	2.10E-03	1.87E-03	1.92E-03	1.81E-03	5.26E-04	5.34E-04	1.06E-03	5.13E-04	5.22E-04	1.03E-03	5.06E-04	5.15E-04	1.02E-03
5757 489959.15, 3857987.49	0.01362	0.01386	2.07E-03	2.19E-03	1.95E-03	2.00E-03	1.88E-03	5.48E-04	5.58E-04	1.11E-03	5.35E-04	5.44E-04	1.08E-03	5.28E-04	5.37E-04	1.06E-03
5758 489791.49, 3858016.12	0.01449	0.01495	2.20E-03	2.37E-03	2.07E-03	2.12E-03	2.00E-03	5.83E-04	6.02E-04	1.18E-03	5.69E-04	5.87E-04	1.16E-03	5.61E-04	5.79E-04	1.14E-03
5759 489698.51, 3858018.07	0.01499	0.0156	2.28E-03	2.47E-03	2.15E-03	2.20E-03	2.07E-03	6.03E-04	6.28E-04	1.23E-03	5.89E-04	6.13E-04	1.20E-03	5.81E-04	6.04E-04	1.19E-03
5760 489605.52, 3858020.01	0.01553	0.01632	2.36E-03	2.58E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	6.57E-04	1.28E-03	6.10E-04	6.41E-04	1.25E-03	6.02E-04	6.32E-04	1.23E-03
5761 489512.53, 3858021.96	0.0161	0.01711	2.45E-03	2.71E-03	2.30E-03	2.36E-03	2.23E-03	6.48E-04	6.89E-04	1.34E-03	6.32E-04	6.72E-04	1.30E-03	6.24E-04	6.63E-04	1.29E-03
5762 489419.55, 3858023.91	0.01674	0.01801	2.54E-03	2.85E-03	2.40E-03	2.45E-03	2.32E-03	6.74E-04	7.25E-04	1.40E-03	6.57E-04	7.07E-04	1.36E-03	6.49E-04	6.98E-04	1.35E-03
5763 489228.47, 3858041.29	0.01826	0.0203	2.77E-03	3.21E-03	2.61E-03	2.68E-03	2.53E-03	7.35E-04	8.17E-04	1.55E-03	7.17E-04	7.97E-04	1.51E-03	7.08E-04	7.87E-04	1.49E-03
5764 489065.75, 3858085.78	0.02066	0.02373	3.14E-03	3.76E-03	2.96E-03	3.03E-03	2.86E-03	8.31E-04	9.55E-04	1.79E-03	8.11E-04	9.32E-04	1.74E-03	8.01E-04	9.20E-04	1.72E-03
5765 489001.12, 3858114.86	0.02201	0.02573	3.34E-03	4.07E-03	3.15E-03	3.23E-03	3.04E-03	8.86E-04	1.04E-03	1.92E-03	8.64E-04	1.01E-03	1.87E-03	8.53E-04	9.97E-04	1.85E-03
5766 488861.89, 3858189.81	0.02592	0.03205	3.94E-03	5.07E-03	3.71E-03	3.80E-03	3.58E-03	1.04E-03	1.29E-03	2.33E-03	1.02E-03	1.26E-03	2.28E-03	1.00E-03	1.24E-03	2.25E-03
5767 488787.29, 3858235.69	0.02917	0.03754	4.43E-03	5.94E-03	4.18E-03	4.28E-03	4.03E-03	1.17E-03	1.51E-03	2.68E-03	1.15E-03	1.47E-03	2.62E-03	1.13E-03	1.45E-03	2.58E-03
5768 488712.68, 3858281.57	0.03305	0.04525	5.02E-03	7.16E-03	4.73E-03	4.85E-03	4.57E-03	1.33E-03	1.82E-03	3.15E-03	1.30E-03	1.78E-03	3.07E-03	1.28E-03	1.75E-03	3.03E-03
5769 488654.39, 3858436.17	0.04771	0.0753	7.25E-03	1.19E-02	6.83E-03	7.00E-03	6.60E-03	1.92E-03	3.03E-03	4.95E-03	1.87E-03	2.96E-03	4.83E-03	1.85E-03	2.92E-03	4.77E-03
5770 488726.3, 3858505.26	0.05141	0.07595	7.81E-03	1.20E-02	7.36E-03	7.54E-03	7.11E-03	2.07E-03	3.06E-03	5.13E-03	2.02E-03	2.98E-03	5.00E-03	1.99E-03	2.94E-03	4.94E-03
5771 488880.6, 3858599.28	0.05267	0.06621	8.00E-03	1.05E-02	7.54E-03	7.72E-03	7.28E-03	2.12E-03	2.66E-03	4.78E-03	2.07E-03	2.60E-03	4.67E-03	2.04E-03	2.57E-03	4.61E-03
5772 489008.06, 3858714.75	0.05993	0.0698	9.11E-03	1.11E-02	8.58E-03	8.79E-03	8.29E-03	2.41E-03	2.81E-03	5.22E-03	2.35E-03	2.74E-03	5.09E-03	2.32E-03	2.70E-03	5.03E-03
5773 489071.48, 3858772.72	0.06442	0.07368	9.79E-03	1.17E-02	9.22E-03	9.45E-03	8.91E-03	2.59E-03	2.97E-03	5.56E-03	2.53E-03	2.89E-03	5.42E-03	2.50E-03	2.85E-03	5.35E-03
5774 489244.59, 3858920.19	0.07796	0.0834	1.18E-02	1.32E-02	1.12E-02	1.14E-02	1.08E-02	3.14E-03	3.36E-03	6.49E-03	3.06E-03	3.28E-03	6.34E-03	3.02E-03	3.23E-03	6.25E-03
5775 489239.69, 3858952.23	0.09079	0.09792	1.38E-02	1.55E-02	1.30E-02	1.33E-02	1.26E-02	3.65E-03	3.94E-03	7.59E-03	3.57E-03	3.85E-03	7.41E-03	3.52E-03	3.79E-03	7.31E-03
5776 489121.67, 3858854.49	0.07859	0.09001	1.19E-02	1.43E-02	1.13E-02	1.15E-02	1.09E-02	3.16E-03	3.62E-03	6.78E-03	3.09E-03	3.53E-03	6.62E-03	3.05E-03	3.49E-03	6.53E-03
5777 489059.59, 3858797.27	0.07187	0.08417	1.09E-02	1.33E-02	1.03E-02	1.05E-02	9.94E-03	2.89E-03	3.39E-03	6.28E-03	2.82E-03	3.31E-03	6.13E-03	2.78E-03	3.26E-03	6.05E-03
5778 488997.52, 3858740.04	0.06614	0.07879	1.01E-02	1.25E-02	9.47E-03	9.70E-03	9.15E-03	2.66E-03	3.17E-03	5.83E-03	2.60E-03	3.09E-03	5.69E-03	2.56E-03	3.05E-03	5.62E-03
5779 488935.44, 3858682.82	0.06142	0.07489	9.33E-03	1.19E-02	8.79E-03	9.01E-03	8.49E-03	2.47E-03	3.01E-03	5.49E-03	2.41E-03	2.94E-03	5.35E-03	2.38E-03	2.90E-03	5.28E-03
5780 488869.17, 3858848.43	0.17209	0.33709	2.61E-02	5.34E-02	2.46E-02	2.52E-02	2.38E-02	6.93E-03	1.36E-02	2.05E-02	6.76E-03	1.32E-02	2.00E-02	6.67E-03	1.31E-02	1.97E-02
5781 488932.48, 3858892.69	0.18727	0.33549	2.85E-02	5.31E-02	2.68E-02	2.75E-02	2.59E-02	7.54E-03	1.35E-02	2.10E-02	7.35E-03	1.32E-02	2.05E-02	7.26E-03	1.30E-02	2.03E-02
5782 489063.27, 3858977.17	0.21174	0.30351	3.22E-02	4.81E-02	3.03E-02	3.10E-02	2.93E-02	8.52E-03	1.22E-02	2.07E-02	8.31E-03	1.19E-02	2.02E-02	8.20E-03	1.18E-02	2.00E-02
5783 489248.2, 3859117.15	0.3366	0.39191	5.11E-02	6.21E-02	4.82E-02	4.94E-02	4.66E-02	1.35E-02	1.58E-02	2.93E-02	1.32E-02	1.54E-02	2.86E-02	1.30E-02	1.52E-02	2.82E-02
5784 489296.25, 3859049.22	0.13213	0.13982	2.01E-02	2.21E-02	1.89E-02	1.94E-02	1.83E-02	5.32E-03	5.63E-03	1.09E-02	5.19E-03	5.49E-03	1.07E-02	5.12E-03	5.42E-03	1.05E-02
5785 489353.38, 3858993.96	0.08278	0.08466	1.26E-02	1.34E-02	1.19E-02	1.21E-02	1.14E-02	3.33E-03	3.41E-03	6.74E-03	3.25E-03	3.32E-03	6.58E-03	3.21E-03	3.28E-03	6.49E-03
5786 489537.24, 3859120.22	0.09255	0.09309	1.41E-02	1.47E-02	1.32E-02	1.36E-02	1.28E-02	3.72E-03	3.75E-03	7.47E-03	3.63E-03	3.66E-03	7.29E-03	3.59E-03	3.61E-03	7.19E-03
5787 489726.98, 3859246.04	0.10363	0.10379	1.57E-02	1.64E-02	1.48E-02	1.52E-02	1.43E-02	4.17E-03	4.18E-03	8.35E-03	4.07E-03	4.08E-03	8.15E-03	4.02E-03	4.02E-03	8.04E-03
5788 489911.46, 3859366.33	0.11477	0.11587	1.74E-02	1.83E-02	1.64E-02	1.68E-02	1.59E-02	4.62E-03	4.66E-03	9.28E-03	4.51E-03	4.55E-03	9.06E-03	4.45E-03	4.49E-03	8.94E-03
5789 490035.3, 3859430.26	0.11399	0.1149	1.73E-02	1.82E-02	1.63E-02	1.67E-02	1.58E-02	4.59E-03	4.62E-03	9.21E-03	4.48E-03	4.51E-03	8.99E-03	4.42E-03	4.45E-03	8.87E-03
5790 490101.11, 3859458.61	0.11038	0.11105	1.68E-02	1.76E-02	1.58E-02	1.62E-02	1.53E-02	4.44E-03	4.47E-03	8.91E-03	4.33E-03	4.36E-03	8.70E-03	4.28E-03	4.30E-03	8.58E-03
5791 490312.68, 3859560.3	0.11937	0.11972	1.81E-02	1.90E-02	1.71E-02	1.75E-02	1.65E-02	4.80E-03	4.82E-03	9.62E-03	4.69E-03	4.70E-03	9.39E-03	4.63E-03	4.64E-03	9.26E-03
5792 490401.63, 3859603.12	0.12686	0.12805	1.93E-02	2.03E-02	1.82E-02	1.86E-02	1.75E-02	5.11E-03	5.15E-03	1.03E-02	4.98E-03	5.03E-03	1.00E-02	4.92E-03	4.96E-03	9.88E-03
5793 490490.57, 3859645.94	0.1346	0.1368	2.05E-02	2.17E-02	1.93E-02	1.97E-02	1.86E-02	5.42E-03	5.51E-03	1.09E-02	5.29E-03	5.37E-03	1.07E-02	5.22E-03	5.30E-03	1.05E-02
5794 490579.51, 3859688.76	0.14195	0.14529	2.16E-02	2.30E-02	2.03E-02	2.08E-02	1.96E-02	5.71E-03	5.85E-03	1.16E-02	5.57E-03	5.71E-03	1.13E-02	5.50E-03	5.63E-03	1.11E-02
5795 490668.45, 3859731.58	0.14602	0.15063	2.22E-02	2.38E-02	2.09E-02	2.14E-02	2.02E-02	5.88E-03	6.06E-03	1.19E-02	5.73E-03	5.92E-03	1.16E-02	5.66E-03	5.84E-03	1.15E-02
5796 490757.4, 3859774.4	0.15859	0.16493	2.41E-02	2.61E-02	2.27E-02	2.33E-02	2.19E-02	6.38E-03	6.64E-03	1.30E-02	6.23E-03	6.48E-03	1.27E-02	6.15E-03	6.39E-03	1.25E-02
5797 491003.53, 3859861.82	0.13773	0.14403	2.09E-02	2.28E-02	1.97E-02	2.02E-02	1.90E-02	5.54E-03	5.80E-03	1.13E-02	5.41E-03	5.66E-03	1.11E-02	5.34E-03	5.58E-03	1.09E-02
5798 491081.41, 3859879.05	0.12187	0.12489	1.85E-02	1.98E-02	1.74E-02	1.79E-02	1.69E-02	4.90E-03	5.03E-03	9.93E-03	4.79E-03	4.90E-03	9.69E-03	4.72E-03	4.84E-03	9.56E-03
5799 491229.76, 3859917.82	0.09861	0.09786	1.50E-02	1.55E-02	1.41E-02	1.45E-02	1.36E-02	3.97E-03	3.94E-03	7.91E-03	3.87E-03	3.84E-03	7.72E-03	3.82E-03	3.79E-03	7.61E-03
5800 491300.22, 3859939.35	0.08963	0.08911	1.36E-02	1.41E-02	1.28E-02	1.31E-02	1.24E-02	3.61E-03	3.59E-03	7.19E-03	3.52E-03	3.50E-03	7.02E-03	3.47E-03	3.45E-03	6.93E-03
5801 491350.48, 3860012.03	0.10712	0.10565	1.63E-02	1.67E-02	1.53E-02	1.57E-02	1.48E-02	4.31E-03	4.25E-03	8.56E-03	4.21E-03	4.15E-03	8.36E-03	4.15E-03	4.09E-03	8.24E-03
5802 491406.82, 3860092.56	0.12465	0.12379	1.89E-02	1.96E-02	1.78E-02	1.83E-02	1.72E-02	5.02E-03	4.98E-03	1.00E-02	4.89E-03	4.86E-03	9.76E-03	4.83E-03	4.80E-03	9.63E-03
5803 491483.36, 3860121.96	0.10598	0.10655	1.61E-02	1.69E-02	1.52E-02	1.55E-02	1.47E-02	4.26E-03	4.29E-03	8.55E-03	4.16E-03	4.18E-03	8.35E-03	4.11E-03	4.13E-03	8.24E-03
5804 491559.91, 3860151.35	0.09233	0.0936	1.40E-02	1.48E-02	1.32E-02	1.35E-02	1.28E-02	3.72E-03	3.77E-03	7.48E-03	3.63E-03	3.68E-03	7.30E-03	3.58E-03	3.63E-03	7.20E-03

5805 491711.81, 3860237.76	0.06684	0.06872	1.02E-02	1.09E-02	9.57E-03	9.80E-03	9.24E-03	2.69E-03	2.77E-03	5.46E-03	2.62E-03	2.70E-03	5.32E-03	2.59E-03	2.66E-03	5.25E-03
5806 491755.2, 3860319.07	0.09579	0.09971	1.46E-02	1.58E-02	1.37E-02	1.40E-02	1.32E-02	3.85E-03	4.01E-03	7.87E-03	3.76E-03	3.92E-03	7.68E-03	3.71E-03	3.86E-03	7.58E-03
5807 491704.71, 3860366.54	0.15387	0.16257	2.34E-02	2.57E-02	2.20E-02	2.26E-02	2.13E-02	6.19E-03	6.54E-03	1.27E-02	6.04E-03	6.38E-03	1.24E-02	5.96E-03	6.30E-03	1.23E-02
5808 491623.42, 3860462.39	0.17019	0.14983	2.59E-02	2.37E-02	2.44E-02	2.50E-02	2.35E-02	6.85E-03	6.03E-03	1.29E-02	6.68E-03	5.88E-03	1.26E-02	6.59E-03	5.81E-03	1.24E-02
5809 491534.02, 3860439.84	0.0702	0.06721	1.07E-02	1.06E-02	1.00E-02	1.03E-02	9.71E-03	2.83E-03	2.70E-03	5.53E-03	2.76E-03	2.64E-03	5.40E-03	2.72E-03	2.60E-03	5.32E-03
5810 491313.95, 3860268.17	0.08701	0.08674	1.32E-02	1.37E-02	1.25E-02	1.28E-02	1.20E-02	3.50E-03	3.49E-03	6.99E-03	3.42E-03	3.41E-03	6.82E-03	3.37E-03	3.36E-03	6.73E-03
5811 491187.12, 3860143.56	0.1238	0.1305	1.88E-02	2.07E-02	1.77E-02	1.82E-02	1.71E-02	4.98E-03	5.25E-03	1.02E-02	4.86E-03	5.12E-03	9.99E-03	4.80E-03	5.06E-03	9.85E-03
5812 491070.43, 3860075.97	0.10906	0.11077	1.66E-02	1.75E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.46E-03	8.85E-03	4.28E-03	4.35E-03	8.63E-03	4.23E-03	4.29E-03	8.52E-03
5813 490995.09, 3860039.38	0.10069	0.1024	1.53E-02	1.62E-02	1.44E-02	1.48E-02	1.39E-02	4.05E-03	4.12E-03	8.17E-03	3.95E-03	4.02E-03	7.98E-03	3.90E-03	3.97E-03	7.87E-03
5814 490919.75, 3860002.8	0.1031	0.10048	1.57E-02	1.59E-02	1.48E-02	1.51E-02	1.43E-02	4.15E-03	4.04E-03	8.19E-03	4.05E-03	3.95E-03	7.99E-03	3.99E-03	3.89E-03	7.89E-03
5815 490756.81, 3859894.53	0.2441	0.22207	3.71E-02	3.52E-02	3.49E-02	3.58E-02	3.38E-02	9.82E-03	8.94E-03	1.88E-02	9.59E-03	8.72E-03	1.83E-02	9.46E-03	8.60E-03	1.81E-02
5816 490668.07, 3859860.92	0.22886	0.21151	3.48E-02	3.35E-02	3.28E-02	3.36E-02	3.17E-02	9.21E-03	8.51E-03	1.77E-02	8.99E-03	8.31E-03	1.73E-02	8.87E-03	8.20E-03	1.71E-02
5817 490579.34, 3859827.3	0.22202	0.20853	3.37E-02	3.30E-02	3.18E-02	3.26E-02	3.07E-02	8.93E-03	8.39E-03	1.73E-02	8.72E-03	8.19E-03	1.69E-02	8.60E-03	8.08E-03	1.67E-02
5818 490490.6, 3859793.68	0.20554	0.19625	3.12E-02	3.11E-02	2.94E-02	3.01E-02	2.84E-02	8.27E-03	7.90E-03	1.62E-02	8.07E-03	7.71E-03	1.58E-02	7.96E-03	7.60E-03	1.56E-02
5819 490401.86, 3859760.07	0.19365	0.18751	2.94E-02	2.97E-02	2.77E-02	2.84E-02	2.68E-02	7.79E-03	7.55E-03	1.53E-02	7.60E-03	7.36E-03	1.50E-02	7.50E-03	7.27E-03	1.48E-02
5820 490313.12, 3859726.45	0.18847	0.18485	2.86E-02	2.93E-02	2.70E-02	2.76E-02	2.61E-02	7.58E-03	7.44E-03	1.50E-02	7.40E-03	7.26E-03	1.47E-02	7.30E-03	7.16E-03	1.45E-02
5821 490224.39, 3859692.83	0.1842	0.18271	2.80E-02	2.89E-02	2.64E-02	2.70E-02	2.55E-02	7.41E-03	7.35E-03	1.48E-02	7.23E-03	7.17E-03	1.44E-02	7.14E-03	7.08E-03	1.42E-02
5822 490135.65, 3859659.22	0.18048	0.18072	2.74E-02	2.86E-02	2.58E-02	2.65E-02	2.50E-02	7.26E-03	7.27E-03	1.45E-02	7.09E-03	7.10E-03	1.42E-02	6.99E-03	7.00E-03	1.40E-02
5823 489918.18, 3859559.23	0.19013	0.18318	2.89E-02	2.90E-02	2.72E-02	2.79E-02	2.63E-02	7.65E-03	7.37E-03	1.50E-02	7.47E-03	7.19E-03	1.47E-02	7.37E-03	7.10E-03	1.45E-02
5824 489743.61, 3859486	0.12581	0.12082	1.91E-02	1.91E-02	1.80E-02	1.84E-02	1.74E-02	5.06E-03	4.86E-03	9.93E-03	4.94E-03	4.74E-03	9.69E-03	4.87E-03	4.68E-03	9.56E-03
5825 489660.32, 3859440.27	0.12566	0.11999	1.91E-02	1.90E-02	1.80E-02	1.84E-02	1.74E-02	5.06E-03	4.83E-03	9.89E-03	4.93E-03	4.71E-03	9.65E-03	4.87E-03	4.65E-03	9.52E-03
5826 489577.04, 3859394.53	0.12566	0.11921	1.91E-02	1.89E-02	1.80E-02	1.84E-02	1.74E-02	5.06E-03	4.80E-03	9.85E-03	4.93E-03	4.68E-03	9.62E-03	4.87E-03	4.62E-03	9.49E-03
5827 489493.75, 3859348.8	0.12502	0.11748	1.90E-02	1.86E-02	1.79E-02	1.83E-02	1.73E-02	5.03E-03	4.73E-03	9.76E-03	4.91E-03	4.61E-03	9.52E-03	4.84E-03	4.55E-03	9.40E-03
5828 489321.28, 3859240.02	0.15792	0.13503	2.40E-02	2.14E-02	2.26E-02	2.32E-02	2.18E-02	6.36E-03	5.43E-03	1.18E-02	6.20E-03	5.30E-03	1.15E-02	6.12E-03	5.23E-03	1.14E-02
5829 489235.41, 3859193.96	0.15612	0.12685	2.37E-02	2.01E-02	2.24E-02	2.29E-02	2.16E-02	6.28E-03	5.10E-03	1.14E-02	6.13E-03	4.98E-03	1.11E-02	6.05E-03	4.92E-03	1.10E-02
5830 489149.54, 3859147.89	0.1485	0.11439	2.26E-02	1.81E-02	2.13E-02	2.18E-02	2.05E-02	5.98E-03	4.60E-03	1.06E-02	5.83E-03	4.49E-03	1.03E-02	5.75E-03	4.43E-03	1.02E-02
5831 489063.68, 3859101.82	0.14775	0.10103	2.25E-02	1.60E-02	2.12E-02	2.17E-02	2.04E-02	5.95E-03	4.07E-03	1.00E-02	5.80E-03	3.97E-03	9.77E-03	5.73E-03	3.91E-03	9.64E-03
5832 488977.81, 3859055.75	0.14654	0.08634	2.23E-02	1.37E-02	2.10E-02	2.15E-02	2.03E-02	5.90E-03	3.47E-03	9.37E-03	5.75E-03	3.39E-03	9.15E-03	5.68E-03	3.35E-03	9.02E-03
5833 488891.94, 3859009.69	0.14147	0.07366	2.15E-02	1.17E-02	2.03E-02	2.07E-02	1.96E-02	5.69E-03	2.96E-03	8.66E-03	5.56E-03	2.89E-03	8.45E-03	5.48E-03	2.85E-03	8.34E-03
5834 488808, 3859060.73	0.04935	0.03525	7.50E-03	5.58E-03	7.06E-03	7.24E-03	6.83E-03	1.99E-03	1.42E-03	3.40E-03	1.94E-03	1.38E-03	3.32E-03	1.91E-03	1.37E-03	3.28E-03
5835 488809.93, 3859157.85	0.02969	0.02431	4.51E-03	3.85E-03	4.25E-03	4.35E-03	4.11E-03	1.19E-03	9.78E-04	2.17E-03	1.17E-03	9.55E-04	2.12E-03	1.15E-03	9.42E-04	2.09E-03
5836 488811.85, 3859254.96	0.02143	0.01862	3.26E-03	2.95E-03	3.07E-03	3.14E-03	2.96E-03	8.62E-04	7.49E-04	1.61E-03	8.42E-04	7.31E-04	1.57E-03	8.30E-04	7.21E-04	1.55E-03
5837 488813.78, 3859352.07	0.01693	0.01517	2.57E-03	2.40E-03	2.42E-03	2.48E-03	2.34E-03	6.81E-04	6.10E-04	1.29E-03	6.65E-04	5.96E-04	1.26E-03	6.56E-04	5.88E-04	1.24E-03
5838 488815.71, 3859449.19	0.01411	0.01287	2.14E-03	2.04E-03	2.02E-03	2.07E-03	1.95E-03	5.68E-04	5.18E-04	1.09E-03	5.54E-04	5.05E-04	1.06E-03	5.47E-04	4.99E-04	1.05E-03
5839 488910.04, 3859547.1	0.01305	0.01212	1.98E-03	1.92E-03	1.87E-03	1.91E-03	1.80E-03	5.25E-04	4.88E-04	1.01E-03	5.12E-04	4.76E-04	9.88E-04	5.06E-04	4.70E-04	9.75E-04
5840 489002.45, 3859547.91	0.01416	0.01326	2.15E-03	2.10E-03	2.03E-03	2.08E-03	1.96E-03	5.70E-04	5.34E-04	1.10E-03	5.56E-04	5.21E-04	1.08E-03	5.49E-04	5.14E-04	1.06E-03
5841 489094.85, 3859548.71	0.01553	0.01464	2.36E-03	2.32E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	5.89E-04	1.21E-03	6.10E-04	5.75E-04	1.18E-03	6.02E-04	5.67E-04	1.17E-03
5842 489230.05, 3859601.87	0.01614	0.01538	2.45E-03	2.44E-03	2.31E-03	2.37E-03	2.23E-03	6.50E-04	6.19E-04	1.27E-03	6.34E-04	6.04E-04	1.24E-03	6.25E-04	5.96E-04	1.22E-03
5843 489227.52, 3859680.89	0.01388	0.01328	2.11E-03	2.10E-03	1.99E-03	2.04E-03	1.92E-03	5.59E-04	5.34E-04	1.09E-03	5.45E-04	5.22E-04	1.07E-03	5.38E-04	5.15E-04	1.05E-03
5844 489133.47, 3859760.29	0.01142	0.01089	1.74E-03	1.72E-03	1.63E-03	1.67E-03	1.58E-03	4.60E-04	4.38E-04	8.98E-04	4.48E-04	4.28E-04	8.76E-04	4.43E-04	4.22E-04	8.64E-04
5845 489041.96, 3859760.67	0.01072	0.01016	1.63E-03	1.61E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	4.09E-04	8.40E-04	4.21E-04	3.99E-04	8.20E-04	4.15E-04	3.94E-04	8.09E-04
5846 488950.45, 3859761.05	0.0101	0.00952	1.53E-03	1.51E-03	1.45E-03	1.48E-03	1.40E-03	4.06E-04	3.83E-04	7.90E-04	3.97E-04	3.74E-04	7.70E-04	3.91E-04	3.69E-04	7.60E-04
5847 488858.94, 3859761.43	0.00957	0.00897	1.45E-03	1.42E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	3.61E-04	7.46E-04	3.76E-04	3.52E-04	7.28E-04	3.71E-04	3.48E-04	7.18E-04
5848 488767.43, 3859761.82	0.00907	0.00846	1.38E-03	1.34E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.40E-04	7.05E-04	3.56E-04	3.32E-04	6.88E-04	3.51E-04	3.28E-04	6.79E-04
5849 488675.92, 3859762.2	0.00865	0.00803	1.31E-03	1.27E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	3.23E-04	6.71E-04	3.40E-04	3.15E-04	6.55E-04	3.35E-04	3.11E-04	6.46E-04
5850 488584.41, 3859762.58	0.00825	0.00763	1.25E-03	1.21E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.07E-04	6.39E-04	3.24E-04	3.00E-04	6.24E-04	3.20E-04	2.96E-04	6.15E-04
5851 488492.9, 3859762.96	0.00789	0.00729	1.20E-03	1.15E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	2.93E-04	6.11E-04	3.10E-04	2.86E-04	5.96E-04	3.06E-04	2.82E-04	5.88E-04
5852 488402.76, 3859830.95	0.00723	0.0067	1.10E-03	1.06E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	2.70E-04	5.61E-04	2.84E-04	2.63E-04	5.47E-04	2.80E-04	2.60E-04	5.40E-04
5853 488404.14, 3859898.55	0.00692	0.00644	1.05E-03	1.02E-03	9.91E-04	1.01E-03	9.57E-04	2.78E-04	2.59E-04	5.38E-04	2.72E-04	2.53E-04	5.25E-04	2.68E-04	2.50E-04	5.18E-04
5854 488505.18, 3859964.96	0.0069	0.00647	1.05E-03	1.02E-03	9.88E-04	1.01E-03	9.54E-04	2.78E-04	2.60E-04	5.38E-04	2.71E-04	2.54E-04	5.25E-04	2.67E-04	2.51E-04	5.18E-04
5855 488604.84, 3859963.76	0.00715	0.00672	1.09E-03	1.06E-03	1.02E-03	1.05E-03	9.89E-04	2.88E-04	2.70E-04	5.58E-04	2.81E-04	2.64E-04	5.45E-04	2.77E-04	2.60E-04	5.37E-04
5856 488704.51, 3859962.56	0.00744	0.00701	1.13E-03	1.11E-03	1.07E-03	1.09E-03	1.03E-03	2.99E-04	2.82E-04	5.82E-04	2.92E-04	2.75E-04	5.67E-04	2.88E-04	2.72E-04	5.60E-04
5857 488804.18, 3859961.37	0.00777	0.00734	1.18E-03	1.16E-03	1.11E-03	1.14E-03	1.07E-03	3.13E-04	2.95E-04	6.08E-04	3.05E-04	2.88E-04	5.93E-04	3.01E-04	2.84E-04	5.85E-04
5858 488903.85, 3859960.17	0.00814	0.00771	1.24E-03	1.22E-03	1.17E-03	1.19E-03	1.13E-03	3.28E-04	3.10E-04	6.38E-04	3.20E-04	3.03E-04	6.22E-04	3.15E-04	2.99E-04	6.14E-04
5859 489003.52, 3859958.97	0.00853	0.00811	1.30E-03	1.28E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.26E-04	6.70E-04	3.35E-04	3.18E-04	6.53E-04	3.31E-04	3.14E-04	6.45E-04
5860 489103.18, 3859957.77	0.00897	0.00857	1.36E-03	1.36E-03	1.28E-03	1.32E-03	1.24E-03	3.61E-04	3.45E-04	7.06E-04	3.52E-04	3.37E-04	6.89E-04	3.48E-04	3.32E-04	6.80E-04
5861 489201.48, 3860046.59	0.00868	0.00833	1.32E-03	1.32E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.35E-04	6.85E-04	3.41E-04	3.27E-04	6.68E-04	3.36E-04	3.23E-04	6.59E-04
5862 489200.11, 3860136.61	0.00803	0.00772	1.22E-03	1.22E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.11E-04	6.34E-04	3.15E-04	3.03E-04	6.18E-04	3.11E-04	2.99E-04	6.10E-04
5863 489198.74, 3860226.63	0.00752	0.00724	1.14E-03	1.15E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	2.91E-04	5.94E-04	2.95E-04	2.84E-04	5.80E-04	2.91E-04	2.81E-04	5.72E-04
5864 489197.38, 3860316.66	0.00708	0.00683	1.08E-03	1.08E-03	1.01E-03	1.04E-03	9.79E-04	2.85E-04	2.75E-04	5.60E-04	2.78E-04	2.68E-04	5.46E-04	2.74E-04	2.65E-04	5.39E-04
5865 489196.01, 3860406.68	0.00667	0.00645	1.01E-03	1.02E-03	9.55E-04	9.78E-04	9.23E-04	2.68E-04	2.60E-04	5.28E-04	2.62E-04	2.53E-04	5.15E-04	2.58E-04	2.50E-04	5.08E-04
5866 489194.64, 3860496.7	0.00625	0.00605	9.50E-04	9.58E-04	8.95E-04	9.16E-04	8.64E-04	2.52E-04	2.43E-04	4.95E-04	2.45E-04	2.38E-04	4.83E-04	2.42E-04	2.34E-04	4.77E-04
5867 489193.27, 3860586.72	0.00586	0.00569	8.90E-04	9.01E-04	8.39E-04	8.59E-04	8.10E-04	2.36E-04	2.29E-04	4.65E-04	2.30E-04	2.23E-04	4.54E-04	2.27E-04	2.20E-04	4.48E-04
5868 489092.02, 3860678.13	0.00536	0.00519	8.14E-04	8.22E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.09E-04	4.25E-04	2.10E-04	2.04E-04	4.14E-04	2.08E-04	2.01E-04	4.09E-04
5869 488992.13, 3860679.53	0.00521	0.00504	7.92E-04	7.98E-04	7.46E-04	7.64E-04	7.21E-04	2.10E-04	2.03E-04	4.12E-04	2.05E-04	1.98E-04	4.03E-04	2.02E-04	1.95E-04	3.97E-04
5870 488892.24, 3860680.92	0.00509	0.0049	7.73E-04	7.76E-04	7.29E-04	7.46E-04	7.04E-04	2.05E-04	1.97E-04	4.02E-04	2.00E-04	1.92E-04	3.92E-04	1.97E-04	1.90E-04	3.87E-04

5871 488792.36, 3860682.31	0.00497	0.00476	7.55E-04	7.54E-04	7.12E-04	7.29E-04	6.87E-04	2.00E-04	1.92E-04	3.92E-04	1.95E-04	1.87E-04	3.82E-04	1.93E-04	1.84E-04	3.77E-04
5872 488692.48, 3860683.7	0.00486	0.00465	7.38E-04	7.36E-04	6.96E-04	7.13E-04	6.72E-04	1.96E-04	1.87E-04	3.83E-04	1.91E-04	1.83E-04	3.73E-04	1.88E-04	1.80E-04	3.68E-04
5873 488592.59, 3860685.09	0.00475	0.00452	7.22E-04	7.16E-04	6.80E-04	6.96E-04	6.57E-04	1.91E-04	1.82E-04	3.73E-04	1.87E-04	1.77E-04	3.64E-04	1.84E-04	1.75E-04	3.59E-04
5874 488492.71, 3860686.49	0.00466	0.00443	7.08E-04	7.01E-04	6.67E-04	6.83E-04	6.45E-04	1.88E-04	1.78E-04	3.66E-04	1.83E-04	1.74E-04	3.57E-04	1.81E-04	1.72E-04	3.52E-04
5875 488299.07, 3860762.18	0.00438	0.00413	6.66E-04	6.54E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.66E-04	3.42E-04	1.72E-04	1.62E-04	3.34E-04	1.70E-04	1.60E-04	3.30E-04
5876 488205.32, 3860764.09	0.0043	0.00405	6.53E-04	6.41E-04	6.16E-04	6.30E-04	5.95E-04	1.73E-04	1.63E-04	3.36E-04	1.69E-04	1.59E-04	3.28E-04	1.67E-04	1.57E-04	3.24E-04
5877 488111.56, 3860766	0.00422	0.00396	6.41E-04	6.27E-04	6.04E-04	6.19E-04	5.84E-04	1.70E-04	1.59E-04	3.29E-04	1.66E-04	1.56E-04	3.21E-04	1.64E-04	1.53E-04	3.17E-04
5878 488017.81, 3860767.91	0.00413	0.00387	6.28E-04	6.13E-04	5.91E-04	6.06E-04	5.71E-04	1.66E-04	1.56E-04	3.22E-04	1.62E-04	1.52E-04	3.14E-04	1.60E-04	1.50E-04	3.10E-04
5879 487924.06, 3860769.81	0.00404	0.00378	6.14E-04	5.98E-04	5.78E-04	5.92E-04	5.59E-04	1.63E-04	1.52E-04	3.15E-04	1.59E-04	1.48E-04	3.07E-04	1.57E-04	1.46E-04	3.03E-04
5880 487830.31, 3860771.72	0.00397	0.00371	6.03E-04	5.87E-04	5.68E-04	5.82E-04	5.49E-04	1.60E-04	1.49E-04	3.09E-04	1.56E-04	1.46E-04	3.02E-04	1.54E-04	1.44E-04	2.98E-04
5881 487736.55, 3860773.63	0.00389	0.00364	5.91E-04	5.76E-04	5.57E-04	5.70E-04	5.38E-04	1.57E-04	1.46E-04	3.03E-04	1.53E-04	1.43E-04	2.96E-04	1.51E-04	1.41E-04	2.92E-04
5882 487642.8, 3860775.54	0.00383	0.00358	5.82E-04	5.67E-04	5.48E-04	5.62E-04	5.30E-04	1.54E-04	1.44E-04	2.98E-04	1.50E-04	1.41E-04	2.91E-04	1.48E-04	1.39E-04	2.87E-04
5883 487549.48, 3860684.71	0.0039	0.00363	5.93E-04	5.75E-04	5.58E-04	5.72E-04	5.39E-04	1.57E-04	1.46E-04	3.03E-04	1.53E-04	1.43E-04	2.96E-04	1.51E-04	1.41E-04	2.92E-04
5884 487549.91, 3860591.97	0.00402	0.00373	6.11E-04	5.91E-04	5.76E-04	5.89E-04	5.56E-04	1.62E-04	1.50E-04	3.12E-04	1.58E-04	1.46E-04	3.04E-04	1.56E-04	1.45E-04	3.00E-04
5885 487550.34, 3860499.23	0.00416	0.00385	6.32E-04	6.10E-04	5.96E-04	6.10E-04	5.75E-04	1.67E-04	1.55E-04	3.22E-04	1.63E-04	1.51E-04	3.15E-04	1.61E-04	1.49E-04	3.10E-04
5886 487550.76, 3860406.49	0.00433	0.004	6.58E-04	6.33E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.61E-04	3.35E-04	1.70E-04	1.57E-04	3.27E-04	1.68E-04	1.55E-04	3.23E-04
5887 487551.19, 3860313.75	0.00452	0.00416	6.87E-04	6.59E-04	6.47E-04	6.63E-04	6.25E-04	1.82E-04	1.67E-04	3.49E-04	1.77E-04	1.63E-04	3.41E-04	1.75E-04	1.61E-04	3.36E-04
5888 487551.62, 3860221.01	0.00473	0.00434	7.19E-04	6.87E-04	6.77E-04	6.94E-04	6.54E-04	1.90E-04	1.75E-04	3.65E-04	1.86E-04	1.70E-04	3.56E-04	1.83E-04	1.68E-04	3.51E-04
5889 487552.05, 3860128.27	0.00497	0.00454	7.55E-04	7.19E-04	7.12E-04	7.29E-04	6.87E-04	2.00E-04	1.83E-04	3.83E-04	1.95E-04	1.78E-04	3.73E-04	1.93E-04	1.76E-04	3.68E-04
5890 487552.48, 3860035.53	0.00521	0.00473	7.92E-04	7.49E-04	7.46E-04	7.64E-04	7.21E-04	2.10E-04	1.90E-04	4.00E-04	2.05E-04	1.86E-04	3.90E-04	2.02E-04	1.83E-04	3.85E-04
5891 487552.91, 3859942.79	0.0054	0.00488	8.21E-04	7.73E-04	7.73E-04	7.92E-04	7.47E-04	2.17E-04	1.96E-04	4.14E-04	2.12E-04	1.92E-04	4.04E-04	2.09E-04	1.89E-04	3.98E-04
5892 487553.33, 3859850.05	0.00562	0.00505	8.54E-04	8.00E-04	8.05E-04	8.24E-04	7.77E-04	2.26E-04	2.03E-04	4.29E-04	2.21E-04	1.98E-04	4.19E-04	2.18E-04	1.96E-04	4.13E-04
5893 487553.76, 3859757.31	0.00583	0.00519	8.86E-04	8.22E-04	8.35E-04	8.55E-04	8.06E-04	2.35E-04	2.09E-04	4.43E-04	2.29E-04	2.04E-04	4.33E-04	2.26E-04	2.01E-04	4.27E-04
5894 487554.19, 3859664.57	0.00607	0.00535	9.22E-04	8.47E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.15E-04	4.60E-04	2.38E-04	2.10E-04	4.48E-04	2.35E-04	2.07E-04	4.43E-04
5895 487460.2, 3859571.05	0.00618	0.00537	9.39E-04	8.50E-04	8.85E-04	9.06E-04	8.55E-04	2.49E-04	2.16E-04	4.65E-04	2.43E-04	2.11E-04	4.54E-04	2.39E-04	2.08E-04	4.48E-04
5896 487365.78, 3859570.27	0.00602	0.00522	9.15E-04	8.26E-04	8.62E-04	8.83E-04	8.33E-04	2.42E-04	2.10E-04	4.52E-04	2.36E-04	2.05E-04	4.41E-04	2.33E-04	2.02E-04	4.36E-04
5897 487271.36, 3859569.48	0.00588	0.00508	8.93E-04	8.04E-04	8.42E-04	8.62E-04	8.13E-04	2.37E-04	2.04E-04	4.41E-04	2.31E-04	1.99E-04	4.30E-04	2.28E-04	1.97E-04	4.25E-04
5898 487176.94, 3859568.7	0.00574	0.00495	8.72E-04	7.84E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	1.99E-04	4.30E-04	2.25E-04	1.94E-04	4.20E-04	2.22E-04	1.92E-04	4.14E-04
5899 487082.51, 3859567.92	0.00561	0.00483	8.52E-04	7.65E-04	8.03E-04	8.23E-04	7.76E-04	2.26E-04	1.94E-04	4.20E-04	2.20E-04	1.90E-04	4.10E-04	2.17E-04	1.87E-04	4.05E-04
5900 486988.09, 3859567.14	0.00548	0.00472	8.33E-04	7.47E-04	7.85E-04	8.04E-04	7.58E-04	2.21E-04	1.90E-04	4.10E-04	2.15E-04	1.85E-04	4.01E-04	2.12E-04	1.83E-04	3.95E-04
5901 486893.67, 3859566.36	0.00537	0.00461	8.16E-04	7.30E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	1.86E-04	4.02E-04	2.11E-04	1.81E-04	3.92E-04	2.08E-04	1.79E-04	3.87E-04
5902 486799.25, 3859565.58	0.00525	0.00451	7.98E-04	7.14E-04	7.52E-04	7.70E-04	7.26E-04	2.11E-04	1.81E-04	3.93E-04	2.06E-04	1.77E-04	3.83E-04	2.03E-04	1.75E-04	3.78E-04
5903 486704.83, 3859564.79	0.00514	0.00442	7.81E-04	7.00E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	1.78E-04	3.85E-04	2.02E-04	1.74E-04	3.75E-04	1.99E-04	1.71E-04	3.70E-04
5904 486610.41, 3859564.01	0.00504	0.00434	7.66E-04	6.87E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	1.75E-04	3.77E-04	1.98E-04	1.70E-04	3.68E-04	1.95E-04	1.68E-04	3.63E-04
5905 486515.99, 3859563.23	0.00493	0.00425	7.49E-04	6.73E-04	7.06E-04	7.23E-04	6.82E-04	1.98E-04	1.71E-04	3.69E-04	1.94E-04	1.67E-04	3.60E-04	1.91E-04	1.65E-04	3.56E-04
5906 486421.57, 3859562.45	0.00484	0.00417	7.35E-04	6.60E-04	6.93E-04	7.10E-04	6.69E-04	1.95E-04	1.68E-04	3.63E-04	1.90E-04	1.64E-04	3.54E-04	1.88E-04	1.62E-04	3.49E-04
5907 486327.14, 3859561.67	0.00475	0.0041	7.22E-04	6.49E-04	6.80E-04	6.96E-04	6.57E-04	1.91E-04	1.65E-04	3.56E-04	1.87E-04	1.61E-04	3.48E-04	1.84E-04	1.59E-04	3.43E-04
5908 486232.72, 3859560.89	0.00465	0.00402	7.07E-04	6.36E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.62E-04	3.49E-04	1.83E-04	1.58E-04	3.40E-04	1.80E-04	1.56E-04	3.36E-04
5909 486138.3, 3859560.1	0.00456	0.00395	6.93E-04	6.25E-04	6.53E-04	6.69E-04	6.31E-04	1.84E-04	1.59E-04	3.42E-04	1.79E-04	1.55E-04	3.34E-04	1.77E-04	1.53E-04	3.30E-04
5910 486043.88, 3859559.32	0.00447	0.00387	6.79E-04	6.13E-04	6.40E-04	6.55E-04	6.18E-04	1.80E-04	1.56E-04	3.36E-04	1.76E-04	1.52E-04	3.28E-04	1.73E-04	1.50E-04	3.23E-04
5911 485949.35, 3859463.54	0.00453	0.00388	6.88E-04	6.14E-04	6.49E-04	6.64E-04	6.27E-04	1.82E-04	1.56E-04	3.38E-04	1.78E-04	1.52E-04	3.30E-04	1.76E-04	1.50E-04	3.26E-04
5912 485949.24, 3859368.55	0.00466	0.00395	7.08E-04	6.25E-04	6.67E-04	6.83E-04	6.45E-04	1.88E-04	1.59E-04	3.46E-04	1.83E-04	1.55E-04	3.38E-04	1.81E-04	1.53E-04	3.34E-04
5913 485949.12, 3859273.55	0.00481	0.00401	7.31E-04	6.35E-04	6.89E-04	7.05E-04	6.65E-04	1.94E-04	1.61E-04	3.55E-04	1.89E-04	1.57E-04	3.46E-04	1.86E-04	1.55E-04	3.42E-04
5914 485949.01, 3859178.56	0.00496	0.00408	7.54E-04	6.46E-04	7.10E-04	7.27E-04	6.86E-04	2.00E-04	1.64E-04	3.64E-04	1.95E-04	1.60E-04	3.55E-04	1.92E-04	1.58E-04	3.50E-04
5915 485948.9, 3859083.56	0.00515	0.00417	7.83E-04	6.60E-04	7.37E-04	7.55E-04	7.12E-04	2.07E-04	1.68E-04	3.75E-04	2.02E-04	1.64E-04	3.66E-04	2.00E-04	1.62E-04	3.61E-04
5916 485948.79, 3858988.56	0.00537	0.00426	8.16E-04	6.74E-04	7.69E-04	7.87E-04	7.43E-04	2.16E-04	1.71E-04	3.88E-04	2.11E-04	1.67E-04	3.78E-04	2.08E-04	1.65E-04	3.73E-04
5917 485948.67, 3858893.57	0.00562	0.00438	8.54E-04	6.93E-04	8.05E-04	8.24E-04	7.77E-04	2.26E-04	1.76E-04	4.02E-04	2.21E-04	1.72E-04	3.93E-04	2.18E-04	1.70E-04	3.87E-04
5918 485948.56, 3858798.57	0.00591	0.00451	8.98E-04	7.14E-04	8.46E-04	8.67E-04	8.17E-04	2.38E-04	1.81E-04	4.19E-04	2.32E-04	1.77E-04	4.09E-04	2.29E-04	1.75E-04	4.04E-04
5919 485948.45, 3858703.58	0.00622	0.00464	9.45E-04	7.35E-04	8.90E-04	9.12E-04	8.60E-04	2.50E-04	1.87E-04	4.37E-04	2.44E-04	1.82E-04	4.26E-04	2.41E-04	1.80E-04	4.21E-04
5920 485948.34, 3858608.58	0.00658	0.00478	1.00E-03	7.57E-04	9.42E-04	9.65E-04	9.10E-04	2.65E-04	1.92E-04	4.57E-04	2.58E-04	1.88E-04	4.46E-04	2.55E-04	1.85E-04	4.40E-04
5921 485948.22, 3858513.59	0.00698	0.00492	1.06E-03	7.79E-04	9.99E-04	1.02E-03	9.65E-04	2.81E-04	1.98E-04	4.79E-04	2.74E-04	1.93E-04	4.67E-04	2.70E-04	1.91E-04	4.61E-04
5922 485948.11, 3858418.59	0.00743	0.00506	1.13E-03	8.01E-04	1.06E-03	1.09E-03	1.03E-03	2.99E-04	2.04E-04	5.03E-04	2.92E-04	1.99E-04	4.90E-04	2.88E-04	1.96E-04	4.84E-04
5923 485948, 3858323.59	0.00797	0.00521	1.21E-03	8.25E-04	1.14E-03	1.17E-03	1.10E-03	3.21E-04	2.10E-04	5.30E-04	3.13E-04	2.05E-04	5.18E-04	3.09E-04	2.02E-04	5.11E-04
5924 485947.89, 3858228.6	0.00858	0.00536	1.30E-03	8.49E-04	1.23E-03	1.26E-03	1.19E-03	3.45E-04	2.16E-04	5.61E-04	3.37E-04	2.10E-04	5.47E-04	3.32E-04	2.08E-04	5.40E-04
5925 485947.77, 3858133.6	0.0093	0.00552	1.41E-03	8.74E-04	1.33E-03	1.36E-03	1.29E-03	3.74E-04	2.22E-04	5.96E-04	3.65E-04	2.17E-04	5.82E-04	3.60E-04	2.14E-04	5.74E-04
5926 485947.66, 3858038.61	0.01026	0.00572	1.56E-03	9.06E-04	1.47E-03	1.50E-03	1.42E-03	4.13E-04	2.30E-04	6.43E-04	4.03E-04	2.25E-04	6.28E-04	3.98E-04	2.22E-04	6.19E-04
5927 485854.54, 3857943.35	0.01054	0.00571	1.60E-03	9.04E-04	1.51E-03	1.55E-03	1.46E-03	4.24E-04	2.30E-04	6.54E-04	4.14E-04	2.24E-04	6.38E-04	4.08E-04	2.21E-04	6.30E-04
5928 485761.52, 3857943.09	0.00986	0.00553	1.50E-03	8.76E-04	1.41E-03	1.45E-03	1.36E-03	3.97E-04	2.23E-04	6.19E-04	3.87E-04	2.17E-04	6.04E-04	3.82E-04	2.14E-04	5.96E-04
5929 485668.51, 3857942.83	0.00929	0.00537	1.41E-03	8.50E-04	1.33E-03	1.36E-03	1.28E-03	3.74E-04	2.16E-04	5.90E-04	3.65E-04	2.11E-04	5.76E-04	3.60E-04	2.08E-04	5.68E-04
5930 485575.5, 3857942.56	0.00876	0.00521	1.33E-03	8.25E-04	1.25E-03	1.28E-03	1.21E-03	3.53E-04	2.10E-04	5.62E-04	3.44E-04	2.05E-04	5.49E-04	3.39E-04	2.02E-04	5.41E-04
5931 485482.48, 3857942.3	0.00832	0.00508	1.26E-03	8.04E-04	1.19E-03	1.22E-03	1.15E-03	3.35E-04	2.04E-04	5.39E-04	3.27E-04	1.99E-04	5.26E-04	3.22E-04	1.97E-04	5.19E-04
5932 485389.47, 3857942.04	0.00792	0.00494	1.20E-03	7.82E-04	1.13E-03	1.16E-03	1.10E-03	3.19E-04	1.99E-04	5.18E-04	3.11E-04	1.94E-04	5.05E-04	3.07E-04	1.91E-04	4.98E-04
5933 485296.46, 3857941.78	0.00756	0.00482	1.15E-03	7.63E-04	1.08E-03	1.11E-03	1.05E-03	3.04E-04	1.94E-04	4.98E-04	2.97E-04	1.89E-04	4.86E-04	2.93E-04	1.87E-04	4.80E-04
5934 485203.45, 3857941.52	0.00724	0.00471	1.10E-03	7.46E-04	1.04E-03	1.06E-03	1.00E-03	2.91E-04	1.90E-04	4.81E-04	2.84E-04	1.85E-04	4.69E-04	2.81E-04	1.83E-04	4.63E-04
5935 485110.43, 3857941.26	0.00693	0.00459	1.05E-03	7.27E-04	9.92E-04	1.02E-03	9.58E-04	2.79E-04	1.85E-04	4.64E-04	2.72E-04	1.80E-04	4.52E-04	2.69E-04	1.78E-04	4.46E-04
5936 485017.42, 3857940.99	0.00664	0.00447	1.01E-03	7.08E-04	9.51E-04	9.74E-04	9.18E-04	2.67E-04	1.80E-04	4.47E-04	2.61E-04	1.76E-04	4.36E-04	2.57E-04	1.73E-04	4.30E-04

5937 484924.41, 3857940.73	0.00637	0.00436	9.68E-04	6.90E-04	9.12E-04	9.34E-04	8.81E-04	2.56E-04	1.75E-04	4.32E-04	2.50E-04	1.71E-04	4.21E-04	2.47E-04	1.69E-04	4.16E-04
5938 484831.39, 3857940.47	0.00612	0.00426	9.30E-04	6.74E-04	8.76E-04	8.97E-04	8.46E-04	2.46E-04	1.71E-04	4.18E-04	2.40E-04	1.67E-04	4.08E-04	2.37E-04	1.65E-04	4.02E-04
5939 484738.12, 3857859.3	0.00613	0.00425	9.31E-04	6.73E-04	8.78E-04	8.99E-04	8.48E-04	2.47E-04	1.71E-04	4.18E-04	2.41E-04	1.67E-04	4.08E-04	2.38E-04	1.65E-04	4.02E-04
5940 484737.85, 3857778.4	0.00641	0.00434	9.74E-04	6.87E-04	9.18E-04	9.40E-04	8.87E-04	2.58E-04	1.75E-04	4.33E-04	2.52E-04	1.70E-04	4.22E-04	2.48E-04	1.68E-04	4.17E-04
5941 484737.59, 3857697.49	0.00671	0.00443	1.02E-03	7.01E-04	9.61E-04	9.84E-04	9.28E-04	2.70E-04	1.78E-04	4.48E-04	2.64E-04	1.74E-04	4.37E-04	2.60E-04	1.72E-04	4.32E-04
5942 484737.32, 3857616.59	0.00703	0.00452	1.07E-03	7.16E-04	1.01E-03	1.03E-03	9.72E-04	2.83E-04	1.82E-04	4.65E-04	2.76E-04	1.77E-04	4.54E-04	2.72E-04	1.75E-04	4.48E-04
5943 484645.53, 3857535.18	0.00706	0.00451	1.07E-03	7.14E-04	1.01E-03	1.04E-03	9.76E-04	2.84E-04	1.81E-04	4.66E-04	2.77E-04	1.77E-04	4.54E-04	2.74E-04	1.75E-04	4.48E-04
5944 484553.99, 3857534.67	0.00675	0.0044	1.03E-03	6.97E-04	9.66E-04	9.90E-04	9.34E-04	2.72E-04	1.77E-04	4.49E-04	2.65E-04	1.73E-04	4.38E-04	2.62E-04	1.70E-04	4.32E-04
5945 484462.46, 3857534.17	0.00647	0.0043	9.83E-04	6.81E-04	9.26E-04	9.49E-04	8.95E-04	2.60E-04	1.73E-04	4.33E-04	2.54E-04	1.69E-04	4.23E-04	2.51E-04	1.67E-04	4.17E-04
5946 484370.93, 3857533.66	0.00622	0.00421	9.45E-04	6.67E-04	8.90E-04	9.12E-04	8.60E-04	2.50E-04	1.69E-04	4.20E-04	2.44E-04	1.65E-04	4.10E-04	2.41E-04	1.63E-04	4.04E-04
5947 484279.4, 3857533.16	0.00599	0.00413	9.10E-04	6.54E-04	8.58E-04	8.78E-04	8.28E-04	2.41E-04	1.66E-04	4.07E-04	2.35E-04	1.62E-04	3.97E-04	2.32E-04	1.60E-04	3.92E-04
5948 484187.86, 3857532.65	0.00579	0.00405	8.80E-04	6.41E-04	8.29E-04	8.49E-04	8.01E-04	2.33E-04	1.63E-04	3.96E-04	2.27E-04	1.59E-04	3.86E-04	2.24E-04	1.57E-04	3.81E-04
5949 484096.33, 3857532.15	0.00562	0.00398	8.54E-04	6.30E-04	8.05E-04	8.24E-04	7.77E-04	2.26E-04	1.60E-04	3.86E-04	2.21E-04	1.56E-04	3.77E-04	2.18E-04	1.54E-04	3.72E-04
5950 484004.8, 3857531.64	0.00546	0.00391	8.30E-04	6.19E-04	7.82E-04	8.01E-04	7.55E-04	2.20E-04	1.57E-04	3.77E-04	2.14E-04	1.54E-04	3.68E-04	2.12E-04	1.52E-04	3.63E-04
5951 483913.27, 3857531.14	0.0053	0.00384	8.05E-04	6.08E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	1.55E-04	3.68E-04	2.08E-04	1.51E-04	3.59E-04	2.05E-04	1.49E-04	3.54E-04
5952 483821.73, 3857530.63	0.00517	0.00378	7.86E-04	5.98E-04	7.40E-04	7.58E-04	7.15E-04	2.08E-04	1.52E-04	3.60E-04	2.03E-04	1.48E-04	3.51E-04	2.00E-04	1.46E-04	3.47E-04
5953 483729.61, 3857450.11	0.00519	0.00378	7.89E-04	5.98E-04	7.43E-04	7.61E-04	7.18E-04	2.09E-04	1.52E-04	3.61E-04	2.04E-04	1.48E-04	3.52E-04	2.01E-04	1.46E-04	3.48E-04
5954 483729.03, 3857370.08	0.00536	0.00385	8.14E-04	6.10E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	1.55E-04	3.71E-04	2.10E-04	1.51E-04	3.62E-04	2.08E-04	1.49E-04	3.57E-04
5955 483728.44, 3857290.06	0.00553	0.00392	8.40E-04	6.21E-04	7.92E-04	8.11E-04	7.65E-04	2.23E-04	1.58E-04	3.80E-04	2.17E-04	1.54E-04	3.71E-04	2.14E-04	1.52E-04	3.66E-04
5956 483727.86, 3857210.03	0.00571	0.00398	8.68E-04	6.30E-04	8.17E-04	8.37E-04	7.90E-04	2.30E-04	1.60E-04	3.90E-04	2.24E-04	1.56E-04	3.81E-04	2.21E-04	1.54E-04	3.75E-04
5957 483641.15, 3857129.07	0.00574	0.00399	8.72E-04	6.32E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	1.61E-04	3.92E-04	2.25E-04	1.57E-04	3.82E-04	2.22E-04	1.55E-04	3.77E-04
5958 483555.03, 3857128.14	0.00558	0.00393	8.48E-04	6.22E-04	7.99E-04	8.18E-04	7.72E-04	2.25E-04	1.58E-04	3.83E-04	2.19E-04	1.54E-04	3.73E-04	2.16E-04	1.52E-04	3.68E-04
5959 483468.91, 3857127.2	0.00541	0.00385	8.22E-04	6.10E-04	7.74E-04	7.93E-04	7.48E-04	2.18E-04	1.55E-04	3.73E-04	2.12E-04	1.51E-04	3.64E-04	2.10E-04	1.49E-04	3.59E-04
5960 483382.78, 3857126.26	0.00527	0.0038	8.01E-04	6.02E-04	7.54E-04	7.73E-04	7.29E-04	2.12E-04	1.53E-04	3.65E-04	2.07E-04	1.49E-04	3.56E-04	2.04E-04	1.47E-04	3.51E-04
5961 483296.66, 3857125.32	0.00514	0.00374	7.81E-04	5.92E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	1.51E-04	3.57E-04	2.02E-04	1.47E-04	3.49E-04	1.99E-04	1.45E-04	3.44E-04
5962 483210.54, 3857124.39	0.00501	0.00369	7.61E-04	5.84E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	1.48E-04	3.50E-04	1.97E-04	1.45E-04	3.42E-04	1.94E-04	1.43E-04	3.37E-04
5963 483123.4, 3857030.96	0.00505	0.00371	7.67E-04	5.87E-04	7.23E-04	7.40E-04	6.98E-04	2.03E-04	1.49E-04	3.53E-04	1.98E-04	1.46E-04	3.44E-04	1.96E-04	1.44E-04	3.39E-04
5964 483122.38, 3856938.46	0.00522	0.00379	7.93E-04	6.00E-04	7.47E-04	7.65E-04	7.22E-04	2.10E-04	1.53E-04	3.63E-04	2.05E-04	1.49E-04	3.54E-04	2.02E-04	1.47E-04	3.49E-04
5965 483121.35, 3856845.97	0.00539	0.00386	8.19E-04	6.11E-04	7.72E-04	7.90E-04	7.45E-04	2.17E-04	1.55E-04	3.72E-04	2.12E-04	1.52E-04	3.63E-04	2.09E-04	1.50E-04	3.58E-04
5966 483120.33, 3856753.47	0.00557	0.00393	8.46E-04	6.22E-04	7.97E-04	8.17E-04	7.70E-04	2.24E-04	1.58E-04	3.82E-04	2.19E-04	1.54E-04	3.73E-04	2.16E-04	1.52E-04	3.68E-04
5967 483119.31, 3856660.98	0.00575	0.004	8.74E-04	6.33E-04	8.23E-04	8.43E-04	7.95E-04	2.31E-04	1.61E-04	3.92E-04	2.26E-04	1.57E-04	3.83E-04	2.23E-04	1.55E-04	3.78E-04
5968 483118.29, 3856568.49	0.00596	0.00407	9.06E-04	6.44E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	1.64E-04	4.04E-04	2.34E-04	1.60E-04	3.94E-04	2.31E-04	1.58E-04	3.89E-04
5969 483117.26, 3856475.99	0.0062	0.00415	9.42E-04	6.57E-04	8.88E-04	9.09E-04	8.58E-04	2.50E-04	1.67E-04	4.17E-04	2.43E-04	1.63E-04	4.06E-04	2.40E-04	1.61E-04	4.01E-04
5970 483116.24, 3856383.5	0.00646	0.00424	9.82E-04	6.71E-04	9.25E-04	9.47E-04	8.93E-04	2.60E-04	1.71E-04	4.31E-04	2.54E-04	1.67E-04	4.20E-04	2.50E-04	1.64E-04	4.15E-04
5971 483115.22, 3856291.01	0.00674	0.00433	1.02E-03	6.86E-04	9.65E-04	9.88E-04	9.32E-04	2.71E-04	1.74E-04	4.45E-04	2.65E-04	1.70E-04	4.35E-04	2.61E-04	1.68E-04	4.29E-04
5972 483114.2, 3856198.51	0.00706	0.00442	1.07E-03	7.00E-04	1.01E-03	1.04E-03	9.76E-04	2.84E-04	1.78E-04	4.62E-04	2.77E-04	1.74E-04	4.51E-04	2.74E-04	1.71E-04	4.45E-04
5973 483113.17, 3856106.02	0.00744	0.00454	1.13E-03	7.19E-04	1.07E-03	1.09E-03	1.03E-03	2.99E-04	1.83E-04	4.82E-04	2.92E-04	1.78E-04	4.70E-04	2.88E-04	1.76E-04	4.64E-04
5974 483112.15, 3856013.52	0.00787	0.00467	1.20E-03	7.39E-04	1.13E-03	1.15E-03	1.09E-03	3.17E-04	1.88E-04	5.05E-04	3.09E-04	1.83E-04	4.92E-04	3.05E-04	1.81E-04	4.86E-04
5975 483029.25, 3855920.47	0.00797	0.00473	1.21E-03	7.49E-04	1.14E-03	1.17E-03	1.10E-03	3.21E-04	1.90E-04	5.11E-04	3.13E-04	1.86E-04	4.99E-04	3.09E-04	1.83E-04	4.92E-04
5976 482947.37, 3855919.91	0.0076	0.00465	1.15E-03	7.36E-04	1.09E-03	1.11E-03	1.05E-03	3.06E-04	1.87E-04	4.93E-04	2.98E-04	1.83E-04	4.81E-04	2.94E-04	1.80E-04	4.75E-04
5977 482865.49, 3855919.36	0.00728	0.00457	1.11E-03	7.24E-04	1.04E-03	1.07E-03	1.01E-03	2.93E-04	1.84E-04	4.77E-04	2.86E-04	1.79E-04	4.65E-04	2.82E-04	1.77E-04	4.59E-04
5978 482783.61, 3855918.8	0.00699	0.0045	1.06E-03	7.12E-04	1.00E-03	1.02E-03	9.67E-04	2.81E-04	1.81E-04	4.62E-04	2.74E-04	1.77E-04	4.51E-04	2.71E-04	1.74E-04	4.45E-04
5979 482700.33, 3855818.39	0.00706	0.00456	1.07E-03	7.22E-04	1.01E-03	1.04E-03	9.76E-04	2.84E-04	1.84E-04	4.68E-04	2.77E-04	1.79E-04	4.56E-04	2.74E-04	1.77E-04	4.50E-04
5980 482698.92, 3855718.54	0.00747	0.00471	1.14E-03	7.46E-04	1.07E-03	1.10E-03	1.03E-03	3.01E-04	1.90E-04	4.90E-04	2.93E-04	1.85E-04	4.78E-04	2.89E-04	1.83E-04	4.72E-04
5981 482697.52, 3855618.68	0.00793	0.00488	1.20E-03	7.73E-04	1.14E-03	1.16E-03	1.10E-03	3.19E-04	1.96E-04	5.16E-04	3.11E-04	1.92E-04	5.03E-04	3.07E-04	1.89E-04	4.96E-04
5982 482696.11, 3855518.83	0.00849	0.00508	1.29E-03	8.04E-04	1.22E-03	1.24E-03	1.17E-03	3.42E-04	2.04E-04	5.46E-04	3.33E-04	1.99E-04	5.33E-04	3.29E-04	1.97E-04	5.26E-04
5983 482694.71, 3855418.98	0.00912	0.0053	1.39E-03	8.39E-04	1.31E-03	1.34E-03	1.26E-03	3.67E-04	2.13E-04	5.80E-04	3.58E-04	2.08E-04	5.66E-04	3.53E-04	2.05E-04	5.59E-04
5984 482693.3, 3855319.13	0.00987	0.00554	1.50E-03	8.77E-04	1.41E-03	1.45E-03	1.37E-03	3.97E-04	2.23E-04	6.20E-04	3.88E-04	2.18E-04	6.05E-04	3.82E-04	2.15E-04	5.97E-04
5985 482691.9, 3855219.27	0.01078	0.00583	1.64E-03	9.23E-04	1.54E-03	1.58E-03	1.49E-03	4.34E-04	2.35E-04	6.68E-04	4.23E-04	2.29E-04	6.52E-04	4.18E-04	2.26E-04	6.44E-04
5986 482690.49, 3855119.42	0.01185	0.00614	1.80E-03	9.72E-04	1.70E-03	1.74E-03	1.64E-03	4.77E-04	2.47E-04	7.24E-04	4.65E-04	2.41E-04	7.06E-04	4.59E-04	2.38E-04	6.97E-04
5987 482689.09, 3855019.57	0.01325	0.00653	2.01E-03	1.03E-03	1.90E-03	1.94E-03	1.83E-03	5.33E-04	2.63E-04	7.96E-04	5.20E-04	2.56E-04	7.77E-04	5.13E-04	2.53E-04	7.66E-04
5988 482687.68, 3854919.71	0.01493	0.00695	2.27E-03	1.10E-03	2.14E-03	2.19E-03	2.06E-03	6.01E-04	2.80E-04	8.81E-04	5.86E-04	2.73E-04	8.59E-04	5.79E-04	2.69E-04	8.48E-04
5989 482686.28, 3854819.86	0.01709	0.00748	2.60E-03	1.18E-03	2.45E-03	2.51E-03	2.36E-03	6.88E-04	3.01E-04	9.89E-04	6.71E-04	2.94E-04	9.65E-04	6.62E-04	2.90E-04	9.52E-04
5990 482684.88, 3854720.01	0.01965	0.00809	2.99E-03	1.28E-03	2.81E-03	2.88E-03	2.72E-03	7.91E-04	3.26E-04	1.12E-03	7.72E-04	3.18E-04	1.09E-03	7.61E-04	3.13E-04	1.07E-03
5991 482683.47, 3854620.16	0.02289	0.0089	3.48E-03	1.41E-03	3.28E-03	3.36E-03	3.17E-03	9.21E-04	3.58E-04	1.28E-03	8.99E-04	3.50E-04	1.25E-03	8.87E-04	3.45E-04	1.23E-03
5992 482682.07, 3854520.31	0.0265	0.00987	4.03E-03	1.56E-03	3.79E-03	3.89E-03	3.67E-03	1.07E-03	3.97E-04	1.46E-03	1.04E-03	3.88E-04	1.43E-03	1.03E-03	3.82E-04	1.41E-03
5993 482680.66, 3854420.45	0.03036	0.01111	4.61E-03	1.76E-03	4.35E-03	4.45E-03	4.20E-03	1.22E-03	4.47E-04	1.67E-03	1.19E-03	4.36E-04	1.63E-03	1.18E-03	4.30E-04	1.61E-03
5994 482679.26, 3854320.6	0.03379	0.01268	5.13E-03	2.01E-03	4.84E-03	4.95E-03	4.67E-03	1.36E-03	5.10E-04	1.87E-03	1.33E-03	4.98E-04	1.82E-03	1.31E-03	4.91E-04	1.80E-03
5995 482677.85, 3854220.75	0.03634	0.01489	5.52E-03	2.36E-03	5.20E-03	5.33E-03	5.03E-03	1.46E-03	5.99E-04	2.06E-03	1.43E-03	5.85E-04	2.01E-03	1.41E-03	5.77E-04	1.99E-03
5996 482676.45, 3854120.9	0.03749	0.01733	5.70E-03	2.74E-03	5.37E-03	5.50E-03	5.19E-03	1.51E-03	6.97E-04	2.21E-03	1.47E-03	6.81E-04	2.15E-03	1.45E-03	6.72E-04	2.12E-03
5997 482675.04, 3854021.04	0.03894	0.02035	5.92E-03	3.22E-03	5.57E-03	5.71E-03	5.39E-03	1.57E-03	8.19E-04	2.39E-03	1.53E-03	7.99E-04	2.33E-03	1.51E-03	7.89E-04	2.30E-03
5998 482673.64, 3853921.19	0.04041	0.02354	6.14E-03	3.73E-03	5.79E-03	5.93E-03	5.59E-03	1.63E-03	9.47E-04	2.57E-03	1.59E-03	9.24E-04	2.51E-03	1.57E-03	9.12E-04	2.48E-03
5999 482672.23, 3853821.34	0.04297	0.02723	6.53E-03	4.31E-03	6.15E-03	6.30E-03	5.94E-03	1.73E-03	1.10E-03	2.83E-03	1.69E-03	1.07E-03	2.76E-03	1.67E-03	1.06E-03	2.72E-03
6000 482670.83, 3853721.48	0.04591	0.0321	6.98E-03	5.08E-03	6.57E-03	6.73E-03	6.35E-03	1.85E-03	1.29E-03	3.14E-03	1.80E-03	1.26E-03	3.06E-03	1.78E-03	1.24E-03	3.02E-03
6001 482669.42, 3853621.63	0.04955	0.03901	7.53E-03	6.18E-03	7.09E-03	7.27E-03	6.85E-03	1.99E-03	1.57E-03	3.56E-03	1.95E-03	1.53E-03	3.48E-03	1.92E-03	1.51E-03	3.43E-03
6002 482645.99, 3853446.13	0.05642	0.05193	8.57E-03	8.22E-03	8.08E-03	8.27E-03	7.80E-03	2.27E-03	2.09E-03	4.36E-03	2.22E-03	2.04E-03	4.25E-03	2.19E-03	2.01E-03	4.20E-03

6003 482623.96, 3853370.48	0.05708	0.0549	8.67E-03	8.69E-03	8.17E-03	8.37E-03	7.89E-03	2.30E-03	2.21E-03	4.51E-03	2.24E-03	2.16E-03	4.40E-03	2.21E-03	2.13E-03	4.34E-03
6004 482601.94, 3853294.84	0.05979	0.05952	9.09E-03	9.42E-03	8.56E-03	8.77E-03	8.27E-03	2.41E-03	2.40E-03	4.80E-03	2.35E-03	2.34E-03	4.69E-03	2.32E-03	2.31E-03	4.62E-03
6005 482531.29, 3853133.44	0.06873	0.06884	1.04E-02	1.09E-02	9.84E-03	1.01E-02	9.51E-03	2.77E-03	2.77E-03	5.54E-03	2.70E-03	2.70E-03	5.40E-03	2.66E-03	2.67E-03	5.33E-03
6006 482482.68, 3853047.69	0.07389	0.07447	1.12E-02	1.18E-02	1.06E-02	1.08E-02	1.02E-02	2.97E-03	3.00E-03	5.97E-03	2.90E-03	2.92E-03	5.83E-03	2.86E-03	2.89E-03	5.75E-03
6007 482383.08, 3852897.4	0.10917	0.1112	1.66E-02	1.76E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.48E-03	8.87E-03	4.29E-03	4.37E-03	8.65E-03	4.23E-03	4.31E-03	8.54E-03
6008 482265.64, 3852765.26	0.12322	0.12561	1.87E-02	1.99E-02	1.76E-02	1.81E-02	1.70E-02	4.96E-03	5.05E-03	1.00E-02	4.84E-03	4.93E-03	9.77E-03	4.77E-03	4.87E-03	9.64E-03
6009 482199.16, 3852697.66	0.12203	0.12431	1.85E-02	1.97E-02	1.75E-02	1.79E-02	1.69E-02	4.91E-03	5.00E-03	9.91E-03	4.79E-03	4.88E-03	9.67E-03	4.73E-03	4.82E-03	9.55E-03
6010 482132.69, 3852630.07	0.11978	0.12199	1.82E-02	1.93E-02	1.71E-02	1.76E-02	1.66E-02	4.82E-03	4.91E-03	9.73E-03	4.70E-03	4.79E-03	9.49E-03	4.64E-03	4.73E-03	9.37E-03
6011 482066.21, 3852562.48	0.11867	0.1208	1.80E-02	1.91E-02	1.70E-02	1.74E-02	1.64E-02	4.78E-03	4.86E-03	9.64E-03	4.66E-03	4.74E-03	9.40E-03	4.60E-03	4.68E-03	9.28E-03
6012 481999.74, 3852494.89	0.11656	0.11862	1.77E-02	1.88E-02	1.67E-02	1.71E-02	1.61E-02	4.69E-03	4.77E-03	9.46E-03	4.58E-03	4.66E-03	9.24E-03	4.52E-03	4.60E-03	9.11E-03
6013 481933.26, 3852427.29	0.1132	0.11524	1.72E-02	1.82E-02	1.62E-02	1.66E-02	1.57E-02	4.56E-03	4.64E-03	9.19E-03	4.45E-03	4.53E-03	8.97E-03	4.39E-03	4.47E-03	8.85E-03
6014 481866.79, 3852359.7	0.11252	0.11452	1.71E-02	1.81E-02	1.61E-02	1.65E-02	1.56E-02	4.53E-03	4.61E-03	9.14E-03	4.42E-03	4.50E-03	8.92E-03	4.36E-03	4.44E-03	8.80E-03
6015 481800.31, 3852292.11	0.10959	0.11146	1.67E-02	1.76E-02	1.57E-02	1.61E-02	1.52E-02	4.41E-03	4.49E-03	8.90E-03	4.30E-03	4.38E-03	8.68E-03	4.25E-03	4.32E-03	8.57E-03
6016 481733.84, 3852224.52	0.1076	0.10941	1.64E-02	1.73E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	4.40E-03	8.73E-03	4.23E-03	4.30E-03	8.52E-03	4.17E-03	4.24E-03	8.41E-03
6017 481667.36, 3852156.92	0.10753	0.10932	1.63E-02	1.73E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	4.40E-03	8.73E-03	4.22E-03	4.29E-03	8.52E-03	4.17E-03	4.24E-03	8.40E-03
6018 481600.89, 3852089.33	0.10533	0.10706	1.60E-02	1.70E-02	1.51E-02	1.54E-02	1.46E-02	4.24E-03	4.31E-03	8.55E-03	4.14E-03	4.20E-03	8.34E-03	4.08E-03	4.15E-03	8.23E-03
6019 481534.41, 3852021.74	0.1046	0.10635	1.59E-02	1.68E-02	1.50E-02	1.53E-02	1.45E-02	4.21E-03	4.28E-03	8.49E-03	4.11E-03	4.18E-03	8.28E-03	4.05E-03	4.12E-03	8.17E-03
6020 481467.94, 3851954.15	0.10387	0.10555	1.58E-02	1.67E-02	1.49E-02	1.52E-02	1.44E-02	4.18E-03	4.25E-03	8.43E-03	4.08E-03	4.14E-03	8.22E-03	4.02E-03	4.09E-03	8.11E-03
6021 481401.46, 3851886.55	0.10356	0.10523	1.57E-02	1.67E-02	1.48E-02	1.52E-02	1.43E-02	4.17E-03	4.23E-03	8.40E-03	4.07E-03	4.13E-03	8.20E-03	4.01E-03	4.08E-03	8.09E-03
6022 481265.87, 3851761.43	0.09097	0.09224	1.38E-02	1.46E-02	1.30E-02	1.33E-02	1.26E-02	3.66E-03	3.71E-03	7.37E-03	3.57E-03	3.62E-03	7.19E-03	3.52E-03	3.57E-03	7.10E-03
6023 481196.74, 3851703.89	0.0851	0.08588	1.29E-02	1.36E-02	1.22E-02	1.25E-02	1.18E-02	3.42E-03	3.46E-03	6.88E-03	3.34E-03	3.37E-03	6.71E-03	3.30E-03	3.33E-03	6.63E-03
6024 481076.33, 3851619.04	0.08273	0.0827	1.26E-02	1.31E-02	1.18E-02	1.21E-02	1.14E-02	3.33E-03	3.33E-03	6.66E-03	3.25E-03	3.25E-03	6.50E-03	3.21E-03	3.20E-03	6.41E-03
6025 480939.8, 3851549.07	0.08024	0.07971	1.22E-02	1.26E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.21E-03	6.44E-03	3.15E-03	3.13E-03	6.28E-03	3.11E-03	3.09E-03	6.20E-03
6026 480854.56, 3851506.41	0.08061	0.08037	1.22E-02	1.27E-02	1.15E-02	1.18E-02	1.11E-02	3.24E-03	3.23E-03	6.48E-03	3.17E-03	3.16E-03	6.32E-03	3.12E-03	3.11E-03	6.24E-03
6027 480769.32, 3851463.75	0.08154	0.08168	1.24E-02	1.29E-02	1.17E-02	1.20E-02	1.13E-02	3.28E-03	3.29E-03	6.57E-03	3.20E-03	3.21E-03	6.41E-03	3.16E-03	3.16E-03	6.32E-03
6028 480684.08, 3851421.08	0.08254	0.08309	1.25E-02	1.32E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.34E-03	6.67E-03	3.24E-03	3.26E-03	6.50E-03	3.20E-03	3.22E-03	6.42E-03
6029 480598.84, 3851378.42	0.08258	0.08356	1.25E-02	1.32E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.36E-03	6.69E-03	3.24E-03	3.28E-03	6.52E-03	3.20E-03	3.24E-03	6.44E-03
6030 480435.71, 3851275.01	0.11172	0.1147	1.70E-02	1.82E-02	1.60E-02	1.64E-02	1.55E-02	4.50E-03	4.62E-03	9.11E-03	4.39E-03	4.50E-03	8.89E-03	4.33E-03	4.44E-03	8.77E-03
6031 480347.85, 3851232.36	0.11015	0.11385	1.67E-02	1.80E-02	1.58E-02	1.62E-02	1.52E-02	4.43E-03	4.58E-03	9.01E-03	4.33E-03	4.47E-03	8.80E-03	4.27E-03	4.41E-03	8.68E-03
6032 480260, 3851189.72	0.10856	0.11299	1.65E-02	1.79E-02	1.55E-02	1.59E-02	1.50E-02	4.37E-03	4.55E-03	8.92E-03	4.26E-03	4.44E-03	8.70E-03	4.21E-03	4.38E-03	8.58E-03
6033 480172.15, 3851147.07	0.10721	0.11234	1.63E-02	1.78E-02	1.53E-02	1.57E-02	1.48E-02	4.31E-03	4.52E-03	8.84E-03	4.21E-03	4.41E-03	8.62E-03	4.15E-03	4.35E-03	8.51E-03
6034 480084.29, 3851104.42	0.10591	0.11159	1.61E-02	1.77E-02	1.52E-02	1.55E-02	1.46E-02	4.26E-03	4.49E-03	8.75E-03	4.16E-03	4.38E-03	8.54E-03	4.10E-03	4.32E-03	8.43E-03
6035 479996.44, 3851061.77	0.10494	0.11111	1.59E-02	1.76E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	4.47E-03	8.69E-03	4.12E-03	4.36E-03	8.48E-03	4.07E-03	4.31E-03	8.37E-03
6036 479908.58, 3851019.13	0.10663	0.11355	1.62E-02	1.80E-02	1.53E-02	1.56E-02	1.47E-02	4.29E-03	4.57E-03	8.86E-03	4.19E-03	4.46E-03	8.65E-03	4.13E-03	4.40E-03	8.53E-03
6037 479820.73, 3850976.48	0.10548	0.11289	1.60E-02	1.79E-02	1.51E-02	1.55E-02	1.46E-02	4.24E-03	4.54E-03	8.79E-03	4.14E-03	4.43E-03	8.58E-03	4.09E-03	4.37E-03	8.46E-03
6038 479732.88, 3850933.83	0.10449	0.11231	1.59E-02	1.78E-02	1.50E-02	1.53E-02	1.45E-02	4.21E-03	4.52E-03	8.72E-03	4.10E-03	4.41E-03	8.51E-03	4.05E-03	4.35E-03	8.40E-03
6039 479645.02, 3850891.18	0.10417	0.1121	1.58E-02	1.77E-02	1.49E-02	1.53E-02	1.44E-02	4.19E-03	4.51E-03	8.70E-03	4.09E-03	4.40E-03	8.49E-03	4.04E-03	4.34E-03	8.38E-03
6040 479557.17, 3850848.54	0.10339	0.11101	1.57E-02	1.76E-02	1.48E-02	1.52E-02	1.43E-02	4.16E-03	4.47E-03	8.63E-03	4.06E-03	4.36E-03	8.42E-03	4.01E-03	4.30E-03	8.31E-03
6041 479469.32, 3850805.89	0.10446	0.11193	1.59E-02	1.77E-02	1.50E-02	1.53E-02	1.44E-02	4.20E-03	4.50E-03	8.71E-03	4.10E-03	4.40E-03	8.50E-03	4.05E-03	4.34E-03	8.38E-03
6042 479381.46, 3850763.24	0.10356	0.11069	1.57E-02	1.75E-02	1.48E-02	1.52E-02	1.43E-02	4.17E-03	4.45E-03	8.62E-03	4.07E-03	4.35E-03	8.41E-03	4.01E-03	4.29E-03	8.30E-03
6043 479293.61, 3850720.59	0.10179	0.10862	1.55E-02	1.72E-02	1.46E-02	1.49E-02	1.41E-02	4.10E-03	4.37E-03	8.47E-03	4.00E-03	4.27E-03	8.26E-03	3.94E-03	4.21E-03	8.15E-03
6044 479205.76, 3850677.95	0.10053	0.10713	1.53E-02	1.70E-02	1.44E-02	1.47E-02	1.39E-02	4.05E-03	4.31E-03	8.36E-03	3.95E-03	4.21E-03	8.15E-03	3.90E-03	4.15E-03	8.05E-03
6045 479117.9, 3850635.3	0.09731	0.10334	1.48E-02	1.64E-02	1.39E-02	1.43E-02	1.35E-02	3.92E-03	4.16E-03	8.07E-03	3.82E-03	4.06E-03	7.88E-03	3.77E-03	4.00E-03	7.77E-03
6046 479030.05, 3850592.65	0.09455	0.1	1.44E-02	1.58E-02	1.35E-02	1.39E-02	1.31E-02	3.80E-03	4.02E-03	7.83E-03	3.71E-03	3.93E-03	7.64E-03	3.66E-03	3.87E-03	7.54E-03
6047 478942.19, 3850550	0.0962	0.10158	1.46E-02	1.61E-02	1.38E-02	1.41E-02	1.33E-02	3.87E-03	4.09E-03	7.96E-03	3.78E-03	3.99E-03	7.77E-03	3.73E-03	3.94E-03	7.66E-03
6048 478854.34, 3850507.36	0.10277	0.10837	1.56E-02	1.72E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.36E-03	8.50E-03	4.04E-03	4.26E-03	8.29E-03	3.98E-03	4.20E-03	8.18E-03
6049 478766.49, 3850464.71	0.1032	0.10849	1.57E-02	1.72E-02	1.48E-02	1.51E-02	1.43E-02	4.15E-03	4.37E-03	8.52E-03	4.05E-03	4.26E-03	8.31E-03	4.00E-03	4.20E-03	8.20E-03
6050 478678.63, 3850422.06	0.10305	0.10811	1.57E-02	1.71E-02	1.48E-02	1.51E-02	1.43E-02	4.15E-03	4.35E-03	8.50E-03	4.05E-03	4.25E-03	8.29E-03	3.99E-03	4.19E-03	8.18E-03
6051 478590.78, 3850379.41	0.10326	0.10809	1.57E-02	1.71E-02	1.48E-02	1.51E-02	1.43E-02	4.16E-03	4.35E-03	8.51E-03	4.06E-03	4.24E-03	8.30E-03	4.00E-03	4.19E-03	8.19E-03
6052 478502.93, 3850336.77	0.10301	0.10759	1.57E-02	1.70E-02	1.47E-02	1.51E-02	1.42E-02	4.15E-03	4.33E-03	8.48E-03	4.05E-03	4.23E-03	8.27E-03	3.99E-03	4.17E-03	8.16E-03
6053 478415.07, 3850294.12	0.10206	0.10628	1.55E-02	1.68E-02	1.46E-02	1.50E-02	1.41E-02	4.11E-03	4.28E-03	8.38E-03	4.01E-03	4.17E-03	8.18E-03	3.95E-03	4.12E-03	8.07E-03
6054 478327.22, 3850251.47	0.10265	0.10671	1.56E-02	1.69E-02	1.47E-02	1.51E-02	1.42E-02	4.13E-03	4.29E-03	8.43E-03	4.03E-03	4.19E-03	8.22E-03	3.98E-03	4.13E-03	8.11E-03
6055 478239.36, 3850208.82	0.10277	0.1066	1.56E-02	1.69E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.29E-03	8.43E-03	4.04E-03	4.19E-03	8.22E-03	3.98E-03	4.13E-03	8.11E-03
6056 478151.51, 3850166.18	0.1026	0.10619	1.56E-02	1.68E-02	1.47E-02	1.50E-02	1.42E-02	4.13E-03	4.27E-03	8.40E-03	4.03E-03	4.17E-03	8.20E-03	3.98E-03	4.11E-03	8.09E-03
6057 478063.66, 3850123.53	0.10217	0.10549	1.55E-02	1.67E-02	1.46E-02	1.50E-02	1.41E-02	4.11E-03	4.25E-03	8.36E-03	4.01E-03	4.14E-03	8.15E-03	3.96E-03	4.09E-03	8.05E-03
6058 477975.8, 3850080.88	0.09971	0.10274	1.52E-02	1.63E-02	1.43E-02	1.46E-02	1.38E-02	4.01E-03	4.13E-03	8.15E-03	3.92E-03	4.03E-03	7.95E-03	3.86E-03	3.98E-03	7.84E-03
6059 477887.95, 3850038.23	0.09922	0.10207	1.51E-02	1.62E-02	1.42E-02	1.45E-02	1.37E-02	3.99E-03	4.11E-03	8.10E-03	3.90E-03	4.01E-03	7.90E-03	3.84E-03	3.96E-03	7.80E-03
6060 477800.1, 3849995.59	0.09776	0.10037	1.49E-02	1.59E-02	1.40E-02	1.43E-02	1.35E-02	3.93E-03	4.04E-03	7.97E-03	3.84E-03	3.94E-03	7.78E-03	3.79E-03	3.89E-03	7.68E-03
6061 477712.24, 3849952.94	0.09814	0.10051	1.49E-02	1.59E-02	1.40E-02	1.44E-02	1.36E-02	3.95E-03	4.04E-03	7.99E-03	3.85E-03	3.95E-03	7.80E-03	3.80E-03	3.89E-03	7.70E-03
6062 477624.39, 3849910.29	0.09805	0.10022	1.49E-02	1.59E-02	1.40E-02	1.44E-02	1.36E-02	3.95E-03	4.03E-03	7.98E-03	3.85E-03	3.94E-03	7.79E-03	3.80E-03	3.88E-03	7.68E-03
6063 477536.54, 3849867.64	0.09672	0.09864	1.47E-02	1.56E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	3.97E-03	7.86E-03	3.80E-03	3.87E-03	7.67E-03	3.75E-03	3.82E-03	7.57E-03
6064 477448.68, 3849825	0.09633	0.09806	1.46E-02	1.55E-02	1.38E-02	1.41E-02	1.33E-02	3.88E-03	3.95E-03	7.82E-03	3.78E-03	3.85E-03	7.63E-03	3.73E-03	3.80E-03	7.53E-03
6065 477360.83, 3849782.35	0.09545	0.09697	1.45E-02	1.54E-02	1.37E-02	1.40E-02	1.32E-02	3.84E-03	3.90E-03	7.74E-03	3.75E-03	3.81E-03	7.56E-03	3.70E-03	3.76E-03	7.46E-03
6066 477272.97, 3849739.7	0.09404	0.09532	1.43E-02	1.51E-02	1.35E-02	1.38E-02	1.30E-02	3.78E-03	3.84E-03	7.62E-03	3.69E-03	3.74E-03	7.44E-03	3.64E-03	3.69E-03	7.34E-03
6067 477185.12, 3849697.05	0.09366	0.09474	1.42E-02	1.50E-02	1.34E-02	1.37E-02	1.30E-02	3.77E-03	3.81E-03	7.58E-03	3.68E-03	3.72E-03	7.40E-03	3.63E-03	3.67E-03	7.30E-03
6068 477097.27, 3849654.41	0.09479	0.09567	1.44E-02	1.51E-02	1.36E-02	1.39E-02	1.31E-02	3.81E-03	3.85E-03	7.66E-03	3.72E-03	3.76E-03	7.48E-03	3.67E-03	3.71E-03	7.38E-03

6069	477009.41, 3849611.76	0.09783	0.09853	1.49E-02	1.56E-02	1.40E-02	1.43E-02	1.35E-02	3.94E-03	3.97E-03	7.90E-03	3.84E-03	3.87E-03	7.71E-03	3.79E-03	3.82E-03	7.61E-03
6070	476841.49, 3849530.08	0.09861	0.09896	1.50E-02	1.57E-02	1.41E-02	1.45E-02	1.36E-02	3.97E-03	3.98E-03	7.95E-03	3.87E-03	3.89E-03	7.76E-03	3.82E-03	3.83E-03	7.66E-03
6071	476761.41, 3849491.05	0.09855	0.09875	1.50E-02	1.56E-02	1.41E-02	1.45E-02	1.36E-02	3.97E-03	3.97E-03	7.94E-03	3.87E-03	3.88E-03	7.75E-03	3.82E-03	3.83E-03	7.65E-03
6072	476681.34, 3849452.02	0.10105	0.1011	1.54E-02	1.60E-02	1.45E-02	1.48E-02	1.40E-02	4.07E-03	4.07E-03	8.14E-03	3.97E-03	3.97E-03	7.94E-03	3.92E-03	3.92E-03	7.83E-03
6073	476601.26, 3849412.99	0.1061	0.10603	1.61E-02	1.68E-02	1.52E-02	1.56E-02	1.47E-02	4.27E-03	4.27E-03	8.54E-03	4.17E-03	4.16E-03	8.33E-03	4.11E-03	4.11E-03	8.22E-03
6074	476456.32, 3849353.67	0.12214	0.12222	1.86E-02	1.94E-02	1.75E-02	1.79E-02	1.69E-02	4.92E-03	4.92E-03	9.83E-03	4.80E-03	4.80E-03	9.60E-03	4.73E-03	4.74E-03	9.47E-03
6075	476305.43, 3849318.83	0.11672	0.11747	1.77E-02	1.86E-02	1.67E-02	1.71E-02	1.61E-02	4.70E-03	4.73E-03	9.42E-03	4.58E-03	4.61E-03	9.20E-03	4.52E-03	4.55E-03	9.07E-03
6076	476129.36, 3849289.99	0.10594	0.1068	1.61E-02	1.69E-02	1.52E-02	1.55E-02	1.47E-02	4.26E-03	4.30E-03	8.56E-03	4.16E-03	4.19E-03	8.35E-03	4.11E-03	4.14E-03	8.24E-03
6077	476039.31, 3849275.68	0.10218	0.10288	1.55E-02	1.63E-02	1.46E-02	1.50E-02	1.41E-02	4.11E-03	4.14E-03	8.25E-03	4.01E-03	4.04E-03	8.05E-03	3.96E-03	3.99E-03	7.95E-03
6078	475949.26, 3849261.38	0.10355	0.1041	1.57E-02	1.65E-02	1.48E-02	1.52E-02	1.43E-02	4.17E-03	4.19E-03	8.36E-03	4.07E-03	4.09E-03	8.15E-03	4.01E-03	4.03E-03	8.05E-03
6079	475859.21, 3849247.08	0.09812	0.0985	1.49E-02	1.56E-02	1.40E-02	1.44E-02	1.36E-02	3.95E-03	3.96E-03	7.91E-03	3.85E-03	3.87E-03	7.72E-03	3.80E-03	3.82E-03	7.62E-03
6080	475769.16, 3849232.77	0.09405	0.09431	1.43E-02	1.49E-02	1.35E-02	1.38E-02	1.30E-02	3.78E-03	3.80E-03	7.58E-03	3.69E-03	3.70E-03	7.40E-03	3.64E-03	3.65E-03	7.30E-03
6081	475585.22, 3849219.27	0.05477	0.05508	8.32E-03	8.72E-03	7.84E-03	8.03E-03	7.58E-03	2.20E-03	2.22E-03	4.42E-03	2.15E-03	2.16E-03	4.31E-03	2.12E-03	2.13E-03	4.26E-03
6082	475444.49, 3849150.34	0.10806	0.10855	1.64E-02	1.72E-02	1.55E-02	1.58E-02	1.49E-02	4.35E-03	4.37E-03	8.72E-03	4.24E-03	4.26E-03	8.51E-03	4.19E-03	4.21E-03	8.39E-03
6083	475334.17, 3849118.71	0.08995	0.09029	1.37E-02	1.43E-02	1.29E-02	1.32E-02	1.24E-02	3.62E-03	3.63E-03	7.25E-03	3.53E-03	3.55E-03	7.08E-03	3.49E-03	3.50E-03	6.98E-03
6084	475230.46, 3849060.57	0.10579	0.10624	1.61E-02	1.68E-02	1.51E-02	1.55E-02	1.46E-02	4.26E-03	4.28E-03	8.53E-03	4.15E-03	4.17E-03	8.33E-03	4.10E-03	4.12E-03	8.22E-03
6085	475110.86, 3848960.97	0.12205	0.12321	1.85E-02	1.95E-02	1.75E-02	1.79E-02	1.69E-02	4.91E-03	4.96E-03	9.87E-03	4.79E-03	4.84E-03	9.63E-03	4.73E-03	4.77E-03	9.50E-03
6086	475037.79, 3848896.28	0.12796	0.12916	1.94E-02	2.05E-02	1.83E-02	1.88E-02	1.77E-02	5.15E-03	5.20E-03	1.03E-02	5.02E-03	5.07E-03	1.01E-02	4.96E-03	5.00E-03	9.96E-03
6087	474964.72, 3848831.59	0.13323	0.13446	2.02E-02	2.13E-02	1.91E-02	1.95E-02	1.84E-02	5.36E-03	5.41E-03	1.08E-02	5.23E-03	5.28E-03	1.05E-02	5.16E-03	5.21E-03	1.04E-02
6088	474891.65, 3848766.9	0.13643	0.13765	2.07E-02	2.18E-02	1.95E-02	2.00E-02	1.89E-02	5.49E-03	5.54E-03	1.10E-02	5.36E-03	5.41E-03	1.08E-02	5.29E-03	5.33E-03	1.06E-02
6089	474818.58, 3848702.22	0.14188	0.14309	2.16E-02	2.27E-02	2.03E-02	2.08E-02	1.96E-02	5.71E-03	5.76E-03	1.15E-02	5.57E-03	5.62E-03	1.12E-02	5.50E-03	5.54E-03	1.10E-02
6090	474745.51, 3848637.53	0.13705	0.13818	2.08E-02	2.19E-02	1.96E-02	2.01E-02	1.90E-02	5.52E-03	5.56E-03	1.11E-02	5.38E-03	5.43E-03	1.08E-02	5.31E-03	5.35E-03	1.07E-02
6091	474672.44, 3848572.84	0.14038	0.14149	2.13E-02	2.24E-02	2.01E-02	2.06E-02	1.94E-02	5.65E-03	5.69E-03	1.13E-02	5.51E-03	5.56E-03	1.11E-02	5.44E-03	5.48E-03	1.09E-02
6092	474599.37, 3848508.15	0.14913	0.15026	2.27E-02	2.38E-02	2.13E-02	2.19E-02	2.06E-02	6.00E-03	6.05E-03	1.20E-02	5.86E-03	5.90E-03	1.18E-02	5.78E-03	5.82E-03	1.16E-02
6093	474526.3, 3848443.46	0.15358	0.15471	2.33E-02	2.45E-02	2.20E-02	2.25E-02	2.12E-02	6.18E-03	6.23E-03	1.24E-02	6.03E-03	6.08E-03	1.21E-02	5.95E-03	5.99E-03	1.19E-02

			NO2		2028 RD	2033 RD	2048 RD
			Period	Rates (g/s)	1.34E+00	1.41E+00	1.53E+00
			Concentration [ug/m^3] at 1 g/s				
	X	Y	Leads (SLINE1A, 1B)		Leads	Leads	Leads
1	485973.61	3854936.51	0.03619		4.84E-02	5.09E-02	5.54E-02
2	486023.61	3854936.51	0.03596		4.81E-02	5.06E-02	5.51E-02
3	486073.61	3854936.51	0.03587		4.80E-02	5.05E-02	5.49E-02
4	486123.61	3854936.51	0.03538		4.74E-02	4.98E-02	5.42E-02
5	486173.61	3854936.51	0.0355		4.75E-02	5.00E-02	5.44E-02
6	486223.61	3854936.51	0.03525		4.72E-02	4.96E-02	5.40E-02
7	486273.61	3854936.51	0.03511		4.70E-02	4.94E-02	5.38E-02
8	486323.61	3854936.51	0.035		4.68E-02	4.92E-02	5.36E-02
9	485973.61	3854986.51	0.03578		4.79E-02	5.03E-02	5.48E-02
10	486023.61	3854986.51	0.03563		4.77E-02	5.01E-02	5.46E-02
11	486073.61	3854986.51	0.03539		4.74E-02	4.98E-02	5.42E-02
12	486123.61	3854986.51	0.03516		4.71E-02	4.95E-02	5.38E-02
13	486173.61	3854986.51	0.03512		4.70E-02	4.94E-02	5.38E-02
14	486223.61	3854986.51	0.03485		4.66E-02	4.90E-02	5.34E-02
15	486273.61	3854986.51	0.03453		4.62E-02	4.86E-02	5.29E-02
16	486323.61	3854986.51	0.03471		4.65E-02	4.88E-02	5.31E-02
17	485973.61	3855036.51	0.03542		4.74E-02	4.98E-02	5.42E-02
18	486023.61	3855036.51	0.03523		4.72E-02	4.96E-02	5.39E-02
19	486073.61	3855036.51	0.0349		4.67E-02	4.91E-02	5.34E-02
20	486123.61	3855036.51	0.0347		4.64E-02	4.88E-02	5.31E-02
21	486173.61	3855036.51	0.0347		4.64E-02	4.88E-02	5.31E-02
22	486223.61	3855036.51	0.03436		4.60E-02	4.83E-02	5.26E-02
23	486273.61	3855036.51	0.03439		4.60E-02	4.84E-02	5.27E-02
24	486323.61	3855036.51	0.03418		4.57E-02	4.81E-02	5.23E-02
25	485973.61	3855086.51	0.03498		4.68E-02	4.92E-02	5.36E-02
26	486023.61	3855086.51	0.03489		4.67E-02	4.91E-02	5.34E-02
27	486073.61	3855086.51	0.03456		4.63E-02	4.86E-02	5.29E-02
28	486123.61	3855086.51	0.03447		4.61E-02	4.85E-02	5.28E-02
29	486173.61	3855086.51	0.03418		4.57E-02	4.81E-02	5.23E-02
30	486223.61	3855086.51	0.03407		4.56E-02	4.79E-02	5.22E-02
31	485973.61	3855136.51	0.03466		4.64E-02	4.88E-02	5.31E-02
32	486023.61	3855136.51	0.03448		4.61E-02	4.85E-02	5.28E-02
33	486073.61	3855136.51	0.03427		4.59E-02	4.82E-02	5.25E-02
34	486123.61	3855136.51	0.03411		4.57E-02	4.80E-02	5.22E-02
35	486173.61	3855136.51	0.03389		4.54E-02	4.77E-02	5.19E-02
36	486223.61	3855136.51	0.03371		4.51E-02	4.74E-02	5.16E-02
37	485973.61	3855186.51	0.03433		4.59E-02	4.83E-02	5.26E-02
38	486023.61	3855186.51	0.03418		4.57E-02	4.81E-02	5.23E-02
39	486073.61	3855186.51	0.03389		4.54E-02	4.77E-02	5.19E-02
40	486123.61	3855186.51	0.03361		4.50E-02	4.73E-02	5.15E-02
41	486173.61	3855186.51	0.03345		4.48E-02	4.71E-02	5.12E-02
42	486223.61	3855186.51	0.03329		4.46E-02	4.68E-02	5.10E-02
43	486273.61	3855186.51	0.03307		4.43E-02	4.65E-02	5.06E-02
44	486323.61	3855186.51	0.03331		4.46E-02	4.69E-02	5.10E-02
45	485973.61	3855236.51	0.03397		4.55E-02	4.78E-02	5.20E-02
46	486023.61	3855236.51	0.0337		4.51E-02	4.74E-02	5.16E-02
47	486073.61	3855236.51	0.03341		4.47E-02	4.70E-02	5.12E-02
48	486123.61	3855236.51	0.03322		4.45E-02	4.67E-02	5.09E-02
49	486173.61	3855236.51	0.03306		4.42E-02	4.65E-02	5.06E-02
50	486223.61	3855236.51	0.03287		4.40E-02	4.63E-02	5.03E-02
51	486273.61	3855236.51	0.03248		4.35E-02	4.57E-02	4.97E-02
52	486323.61	3855236.51	0.03291		4.40E-02	4.63E-02	5.04E-02
53	485973.61	3855286.51	0.03359		4.50E-02	4.73E-02	5.14E-02
54	486023.61	3855286.51	0.03329		4.46E-02	4.68E-02	5.10E-02
55	486073.61	3855286.51	0.03305		4.42E-02	4.65E-02	5.06E-02
56	486123.61	3855286.51	0.03279		4.39E-02	4.61E-02	5.02E-02
57	486173.61	3855286.51	0.03257		4.36E-02	4.58E-02	4.99E-02
58	486223.61	3855286.51	0.03245		4.34E-02	4.57E-02	4.97E-02
59	486123.61	3855336.51	0.03236		4.33E-02	4.55E-02	4.95E-02

60	486173.61	3855336.51	0.03221	4.31E-02	4.53E-02	4.93E-02
61	486223.61	3855336.51	0.03203	4.29E-02	4.51E-02	4.90E-02
62	486123.61	3855386.51	0.032	4.28E-02	4.50E-02	4.90E-02
63	486173.61	3855386.51	0.03183	4.26E-02	4.48E-02	4.87E-02
64	486223.61	3855386.51	0.03169	4.24E-02	4.46E-02	4.85E-02
65	486533.18	3855443.15	0.03079	4.12E-02	4.33E-02	4.71E-02
66	486583.18	3855443.15	0.03066	4.10E-02	4.31E-02	4.69E-02
67	486633.18	3855443.15	0.03053	4.09E-02	4.30E-02	4.67E-02
68	486683.18	3855443.15	0.03049	4.08E-02	4.29E-02	4.67E-02
69	486533.18	3855493.15	0.03042	4.07E-02	4.28E-02	4.66E-02
70	486583.18	3855493.15	0.03033	4.06E-02	4.27E-02	4.64E-02
71	486633.18	3855493.15	0.03021	4.04E-02	4.25E-02	4.63E-02
72	486683.18	3855493.15	0.0301	4.03E-02	4.24E-02	4.61E-02
73	486533.18	3855543.15	0.03011	4.03E-02	4.24E-02	4.61E-02
74	486583.18	3855543.15	0.02992	4.00E-02	4.21E-02	4.58E-02
75	486633.18	3855543.15	0.02984	3.99E-02	4.20E-02	4.57E-02
76	486683.18	3855543.15	0.02962	3.96E-02	4.17E-02	4.54E-02
77	486533.18	3855593.15	0.02975	3.98E-02	4.19E-02	4.56E-02
78	486583.18	3855593.15	0.0296	3.96E-02	4.16E-02	4.53E-02
79	486633.18	3855593.15	0.02948	3.95E-02	4.15E-02	4.51E-02
80	486683.18	3855593.15	0.02941	3.94E-02	4.14E-02	4.50E-02
81	486533.18	3855643.15	0.02942	3.94E-02	4.14E-02	4.50E-02
82	486583.18	3855643.15	0.0293	3.92E-02	4.12E-02	4.49E-02
83	486633.18	3855643.15	0.02918	3.91E-02	4.11E-02	4.47E-02
84	486683.18	3855643.15	0.02907	3.89E-02	4.09E-02	4.45E-02
85	486533.18	3855693.15	0.02918	3.91E-02	4.11E-02	4.47E-02
86	486583.18	3855693.15	0.02896	3.88E-02	4.07E-02	4.43E-02
87	486633.18	3855693.15	0.02874	3.85E-02	4.04E-02	4.40E-02
88	486683.18	3855693.15	0.02875	3.85E-02	4.05E-02	4.40E-02
89	486733.18	3855693.15	0.02885	3.86E-02	4.06E-02	4.42E-02
90	486783.18	3855693.15	0.029	3.88E-02	4.08E-02	4.44E-02
91	486533.18	3855743.15	0.02889	3.87E-02	4.06E-02	4.42E-02
92	486583.18	3855743.15	0.0286	3.83E-02	4.02E-02	4.38E-02
93	486633.18	3855743.15	0.02845	3.81E-02	4.00E-02	4.36E-02
94	486683.18	3855743.15	0.02852	3.82E-02	4.01E-02	4.37E-02
95	486733.18	3855743.15	0.02851	3.82E-02	4.01E-02	4.37E-02
96	486783.18	3855743.15	0.02872	3.84E-02	4.04E-02	4.40E-02
97	486533.18	3855793.15	0.02864	3.83E-02	4.03E-02	4.39E-02
98	486583.18	3855793.15	0.02822	3.78E-02	3.97E-02	4.32E-02
99	486633.18	3855793.15	0.02826	3.78E-02	3.98E-02	4.33E-02
100	486683.18	3855793.15	0.02833	3.79E-02	3.99E-02	4.34E-02
101	486733.18	3855793.15	0.02836	3.80E-02	3.99E-02	4.34E-02
102	486783.18	3855793.15	0.02841	3.80E-02	4.00E-02	4.35E-02
103	486533.18	3855843.15	0.02832	3.79E-02	3.98E-02	4.34E-02
104	486583.18	3855843.15	0.02801	3.75E-02	3.94E-02	4.29E-02
105	486633.18	3855843.15	0.02804	3.75E-02	3.95E-02	4.29E-02
106	486683.18	3855843.15	0.0281	3.76E-02	3.95E-02	4.30E-02
107	486733.18	3855843.15	0.02816	3.77E-02	3.96E-02	4.31E-02
108	486783.18	3855843.15	0.02819	3.77E-02	3.97E-02	4.32E-02
109	486533.18	3855893.15	0.02789	3.73E-02	3.92E-02	4.27E-02
110	486583.18	3855893.15	0.02787	3.73E-02	3.92E-02	4.27E-02
111	486633.18	3855893.15	0.02785	3.73E-02	3.92E-02	4.26E-02
112	486683.18	3855893.15	0.02788	3.73E-02	3.92E-02	4.27E-02
113	486733.18	3855893.15	0.02793	3.74E-02	3.93E-02	4.28E-02
114	486783.18	3855893.15	0.02801	3.75E-02	3.94E-02	4.29E-02
115	486533.18	3855943.15	0.02771	3.71E-02	3.90E-02	4.24E-02
116	486583.18	3855943.15	0.02775	3.71E-02	3.90E-02	4.25E-02
117	486633.18	3855943.15	0.02768	3.70E-02	3.89E-02	4.24E-02
118	486683.18	3855943.15	0.02773	3.71E-02	3.90E-02	4.25E-02
119	486733.18	3855943.15	0.02772	3.71E-02	3.90E-02	4.24E-02
120	486783.18	3855943.15	0.0278	3.72E-02	3.91E-02	4.26E-02
121	486533.18	3855993.15	0.02763	3.70E-02	3.89E-02	4.23E-02
122	486583.18	3855993.15	0.02759	3.69E-02	3.88E-02	4.22E-02

123	486633.18	3855993.15	0.02754	3.69E-02	3.88E-02	4.22E-02
124	486683.18	3855993.15	0.02757	3.69E-02	3.88E-02	4.22E-02
125	486733.18	3855993.15	0.02756	3.69E-02	3.88E-02	4.22E-02
126	486783.18	3855993.15	0.02759	3.69E-02	3.88E-02	4.22E-02
127	486533.18	3856043.15	0.02755	3.69E-02	3.88E-02	4.22E-02
128	486583.18	3856043.15	0.02752	3.68E-02	3.87E-02	4.21E-02
129	486633.18	3856043.15	0.02744	3.67E-02	3.86E-02	4.20E-02
130	486683.18	3856043.15	0.02745	3.67E-02	3.86E-02	4.20E-02
131	486733.18	3856043.15	0.0274	3.67E-02	3.86E-02	4.20E-02
132	486783.18	3856043.15	0.02746	3.68E-02	3.86E-02	4.20E-02
133	486533.18	3856093.15	0.02754	3.69E-02	3.88E-02	4.22E-02
134	486583.18	3856093.15	0.02745	3.67E-02	3.86E-02	4.20E-02
135	486633.18	3856093.15	0.02737	3.66E-02	3.85E-02	4.19E-02
136	486683.18	3856093.15	0.02735	3.66E-02	3.85E-02	4.19E-02
137	486733.18	3856093.15	0.0273	3.65E-02	3.84E-02	4.18E-02
138	486783.18	3856093.15	0.02732	3.66E-02	3.84E-02	4.18E-02
139	486533.18	3856143.15	0.0275	3.68E-02	3.87E-02	4.21E-02
140	486583.18	3856143.15	0.02738	3.66E-02	3.85E-02	4.19E-02
141	486633.18	3856143.15	0.02733	3.66E-02	3.85E-02	4.18E-02
142	486683.18	3856143.15	0.02727	3.65E-02	3.84E-02	4.18E-02
143	486733.18	3856143.15	0.02722	3.64E-02	3.83E-02	4.17E-02
144	486783.18	3856143.15	0.02726	3.65E-02	3.84E-02	4.17E-02
145	486533.18	3856193.15	0.02749	3.68E-02	3.87E-02	4.21E-02
146	486583.18	3856193.15	0.02735	3.66E-02	3.85E-02	4.19E-02
147	486633.18	3856193.15	0.02729	3.65E-02	3.84E-02	4.18E-02
148	486683.18	3856193.15	0.02728	3.65E-02	3.84E-02	4.18E-02
149	486733.18	3856193.15	0.02719	3.64E-02	3.83E-02	4.16E-02
150	486783.18	3856193.15	0.02721	3.64E-02	3.83E-02	4.17E-02
151	486533.18	3856243.15	0.02745	3.67E-02	3.86E-02	4.20E-02
152	486583.18	3856243.15	0.02737	3.66E-02	3.85E-02	4.19E-02
153	486633.18	3856243.15	0.02729	3.65E-02	3.84E-02	4.18E-02
154	486683.18	3856243.15	0.02724	3.65E-02	3.83E-02	4.17E-02
155	486733.18	3856243.15	0.02721	3.64E-02	3.83E-02	4.17E-02
156	486783.18	3856243.15	0.02716	3.64E-02	3.82E-02	4.16E-02
157	486533.18	3856293.15	0.02741	3.67E-02	3.86E-02	4.20E-02
158	486583.18	3856293.15	0.02735	3.66E-02	3.85E-02	4.19E-02
159	486633.18	3856293.15	0.02729	3.65E-02	3.84E-02	4.18E-02
160	486683.18	3856293.15	0.02724	3.65E-02	3.83E-02	4.17E-02
161	486733.18	3856293.15	0.02723	3.64E-02	3.83E-02	4.17E-02
162	486783.18	3856293.15	0.02716	3.64E-02	3.82E-02	4.16E-02
163	486783.18	3856343.15	0.02723	3.64E-02	3.83E-02	4.17E-02
164	486833.18	3856343.15	0.02718	3.64E-02	3.82E-02	4.16E-02
165	486883.18	3856343.15	0.02715	3.63E-02	3.82E-02	4.16E-02
166	486783.18	3856393.15	0.02722	3.64E-02	3.83E-02	4.17E-02
167	486833.18	3856393.15	0.02719	3.64E-02	3.83E-02	4.16E-02
168	486883.18	3856393.15	0.02711	3.63E-02	3.81E-02	4.15E-02
169	487208.74	3856886.11	0.02764	3.70E-02	3.89E-02	4.23E-02
170	487258.74	3856886.11	0.02765	3.70E-02	3.89E-02	4.23E-02
171	487308.74	3856886.11	0.02764	3.70E-02	3.89E-02	4.23E-02
172	487358.74	3856886.11	0.0276	3.69E-02	3.88E-02	4.23E-02
173	487208.74	3856936.11	0.02767	3.70E-02	3.89E-02	4.24E-02
174	487258.74	3856936.11	0.02775	3.71E-02	3.90E-02	4.25E-02
175	487308.74	3856936.11	0.02777	3.72E-02	3.91E-02	4.25E-02
176	487358.74	3856936.11	0.02777	3.72E-02	3.91E-02	4.25E-02
177	487208.74	3856986.11	0.02761	3.70E-02	3.88E-02	4.23E-02
178	487258.74	3856986.11	0.02782	3.72E-02	3.91E-02	4.26E-02
179	487308.74	3856986.11	0.02789	3.73E-02	3.92E-02	4.27E-02
180	487358.74	3856986.11	0.02795	3.74E-02	3.93E-02	4.28E-02
181	487208.74	3857036.11	0.02748	3.68E-02	3.87E-02	4.21E-02
182	487258.74	3857036.11	0.02777	3.72E-02	3.91E-02	4.25E-02
183	487308.74	3857036.11	0.02799	3.75E-02	3.94E-02	4.29E-02
184	487358.74	3857036.11	0.02811	3.76E-02	3.96E-02	4.30E-02
185	487427.14	3856878.23	0.02759	3.69E-02	3.88E-02	4.22E-02

186	487477.14	3856878.23	0.02759	3.69E-02	3.88E-02	4.22E-02
187	487527.14	3856878.23	0.02758	3.69E-02	3.88E-02	4.22E-02
188	487427.14	3856928.23	0.02775	3.71E-02	3.90E-02	4.25E-02
189	487477.14	3856928.23	0.02772	3.71E-02	3.90E-02	4.24E-02
190	487527.14	3856928.23	0.02773	3.71E-02	3.90E-02	4.25E-02
191	487577.14	3856928.23	0.02775	3.71E-02	3.90E-02	4.25E-02
192	487627.14	3856928.23	0.02774	3.71E-02	3.90E-02	4.25E-02
193	487677.14	3856928.23	0.02782	3.72E-02	3.91E-02	4.26E-02
194	487727.14	3856928.23	0.02792	3.74E-02	3.93E-02	4.28E-02
195	487777.14	3856928.23	0.028	3.75E-02	3.94E-02	4.29E-02
196	487427.14	3856978.23	0.02792	3.74E-02	3.93E-02	4.28E-02
197	487477.14	3856978.23	0.02793	3.74E-02	3.93E-02	4.28E-02
198	487527.14	3856978.23	0.02794	3.74E-02	3.93E-02	4.28E-02
199	487577.14	3856978.23	0.02794	3.74E-02	3.93E-02	4.28E-02
200	487627.14	3856978.23	0.02792	3.74E-02	3.93E-02	4.28E-02
201	487677.14	3856978.23	0.02798	3.74E-02	3.94E-02	4.28E-02
202	487727.14	3856978.23	0.02794	3.74E-02	3.93E-02	4.28E-02
203	487777.14	3856978.23	0.02817	3.77E-02	3.96E-02	4.31E-02
204	487427.14	3857028.23	0.02814	3.77E-02	3.96E-02	4.31E-02
205	487477.14	3857028.23	0.02815	3.77E-02	3.96E-02	4.31E-02
206	487527.14	3857028.23	0.02815	3.77E-02	3.96E-02	4.31E-02
207	487577.14	3857028.23	0.02816	3.77E-02	3.96E-02	4.31E-02
208	487627.14	3857028.23	0.02812	3.76E-02	3.96E-02	4.31E-02
209	487677.14	3857028.23	0.02815	3.77E-02	3.96E-02	4.31E-02
210	487727.14	3857028.23	0.02824	3.78E-02	3.97E-02	4.32E-02
211	487777.14	3857028.23	0.02833	3.79E-02	3.99E-02	4.34E-02
212	487427.14	3857078.23	0.02833	3.79E-02	3.99E-02	4.34E-02
213	487477.14	3857078.23	0.02835	3.79E-02	3.99E-02	4.34E-02
214	487527.14	3857078.23	0.02838	3.80E-02	3.99E-02	4.35E-02
215	487577.14	3857078.23	0.02839	3.80E-02	3.99E-02	4.35E-02
216	487627.14	3857078.23	0.02837	3.80E-02	3.99E-02	4.34E-02
217	487677.14	3857078.23	0.0284	3.80E-02	4.00E-02	4.35E-02
218	487727.14	3857078.23	0.02845	3.81E-02	4.00E-02	4.36E-02
219	487777.14	3857078.23	0.02849	3.81E-02	4.01E-02	4.36E-02
220	487427.14	3857128.23	0.02847	3.81E-02	4.01E-02	4.36E-02
221	487477.14	3857128.23	0.02855	3.82E-02	4.02E-02	4.37E-02
222	487527.14	3857128.23	0.02858	3.83E-02	4.02E-02	4.38E-02
223	487577.14	3857128.23	0.02861	3.83E-02	4.03E-02	4.38E-02
224	487627.14	3857128.23	0.02864	3.83E-02	4.03E-02	4.39E-02
225	487677.14	3857128.23	0.02863	3.83E-02	4.03E-02	4.38E-02
226	487727.14	3857128.23	0.02871	3.84E-02	4.04E-02	4.40E-02
227	487777.14	3857128.23	0.02873	3.85E-02	4.04E-02	4.40E-02
228	488049.44	3856539.39	0.02727	3.65E-02	3.84E-02	4.18E-02
229	488099.44	3856539.39	0.02719	3.64E-02	3.83E-02	4.16E-02
230	488149.44	3856539.39	0.02715	3.63E-02	3.82E-02	4.16E-02
231	488049.44	3856589.39	0.02733	3.66E-02	3.85E-02	4.18E-02
232	488099.44	3856589.39	0.02725	3.65E-02	3.83E-02	4.17E-02
233	488149.44	3856589.39	0.02719	3.64E-02	3.83E-02	4.16E-02
234	488199.44	3856589.39	0.0271	3.63E-02	3.81E-02	4.15E-02
235	488249.44	3856589.39	0.02714	3.63E-02	3.82E-02	4.16E-02
236	488049.44	3856639.39	0.02741	3.67E-02	3.86E-02	4.20E-02
237	488099.44	3856639.39	0.02732	3.66E-02	3.84E-02	4.18E-02
238	488149.44	3856639.39	0.02724	3.65E-02	3.83E-02	4.17E-02
239	488199.44	3856639.39	0.02721	3.64E-02	3.83E-02	4.17E-02
240	488249.44	3856639.39	0.02716	3.64E-02	3.82E-02	4.16E-02
241	488299.44	3856639.39	0.02712	3.63E-02	3.82E-02	4.15E-02
242	488349.44	3856639.39	0.02705	3.62E-02	3.81E-02	4.14E-02
243	488399.44	3856639.39	0.02706	3.62E-02	3.81E-02	4.14E-02
244	488099.44	3856689.39	0.02744	3.67E-02	3.86E-02	4.20E-02
245	488149.44	3856689.39	0.02734	3.66E-02	3.85E-02	4.19E-02
246	488199.44	3856689.39	0.0273	3.65E-02	3.84E-02	4.18E-02
247	488249.44	3856689.39	0.02721	3.64E-02	3.83E-02	4.17E-02
248	488299.44	3856689.39	0.02721	3.64E-02	3.83E-02	4.17E-02

249	488349.44	3856689.39	0.02713	3.63E-02	3.82E-02	4.15E-02
250	488399.44	3856689.39	0.02702	3.62E-02	3.80E-02	4.14E-02
251	488099.44	3856739.39	0.02761	3.70E-02	3.88E-02	4.23E-02
252	488149.44	3856739.39	0.02748	3.68E-02	3.87E-02	4.21E-02
253	488199.44	3856739.39	0.02746	3.68E-02	3.86E-02	4.20E-02
254	488249.44	3856739.39	0.02737	3.66E-02	3.85E-02	4.19E-02
255	488299.44	3856739.39	0.02722	3.64E-02	3.83E-02	4.17E-02
256	488349.44	3856739.39	0.02725	3.65E-02	3.83E-02	4.17E-02
257	488399.44	3856739.39	0.02727	3.65E-02	3.84E-02	4.18E-02
258	487999.44	3856789.39	0.02784	3.73E-02	3.92E-02	4.26E-02
259	488049.44	3856789.39	0.02778	3.72E-02	3.91E-02	4.25E-02
260	488099.44	3856789.39	0.02775	3.71E-02	3.90E-02	4.25E-02
261	488149.44	3856789.39	0.02765	3.70E-02	3.89E-02	4.23E-02
262	488199.44	3856789.39	0.0276	3.69E-02	3.88E-02	4.23E-02
263	488249.44	3856789.39	0.02752	3.68E-02	3.87E-02	4.21E-02
264	488299.44	3856789.39	0.0274	3.67E-02	3.86E-02	4.20E-02
265	488349.44	3856789.39	0.02743	3.67E-02	3.86E-02	4.20E-02
266	488399.44	3856789.39	0.02741	3.67E-02	3.86E-02	4.20E-02
267	487949.44	3856839.39	0.02802	3.75E-02	3.94E-02	4.29E-02
268	487999.44	3856839.39	0.028	3.75E-02	3.94E-02	4.29E-02
269	488049.44	3856839.39	0.02794	3.74E-02	3.93E-02	4.28E-02
270	488099.44	3856839.39	0.0279	3.73E-02	3.93E-02	4.27E-02
271	488149.44	3856839.39	0.02785	3.73E-02	3.92E-02	4.26E-02
272	488199.44	3856839.39	0.0278	3.72E-02	3.91E-02	4.26E-02
273	487949.44	3856889.39	0.02813	3.76E-02	3.96E-02	4.31E-02
274	487999.44	3856889.39	0.02819	3.77E-02	3.97E-02	4.32E-02
275	488049.44	3856889.39	0.0281	3.76E-02	3.95E-02	4.30E-02
276	488099.44	3856889.39	0.0281	3.76E-02	3.95E-02	4.30E-02
277	488635.86	3857895.05	0.0412	5.51E-02	5.80E-02	6.31E-02
278	489137.64	3857804.15	0.03828	5.12E-02	5.39E-02	5.86E-02
279	488617.32	3857859.41	0.04015	5.37E-02	5.65E-02	6.15E-02
280	488667.32	3857859.41	0.04024	5.39E-02	5.66E-02	6.16E-02
281	488717.32	3857859.41	0.04043	5.41E-02	5.69E-02	6.19E-02
282	488767.32	3857859.41	0.04076	5.46E-02	5.74E-02	6.24E-02
283	488617.32	3857909.41	0.04159	5.57E-02	5.85E-02	6.37E-02
284	488667.32	3857909.41	0.04207	5.63E-02	5.92E-02	6.44E-02
285	488717.32	3857909.41	0.04188	5.61E-02	5.89E-02	6.41E-02
286	488767.32	3857909.41	0.04229	5.66E-02	5.95E-02	6.48E-02
287	488417.32	3857959.41	0.04259	5.70E-02	5.99E-02	6.52E-02
288	488467.32	3857959.41	0.04281	5.73E-02	6.02E-02	6.56E-02
289	488517.32	3857959.41	0.04303	5.76E-02	6.05E-02	6.59E-02
290	488567.32	3857959.41	0.0432	5.78E-02	6.08E-02	6.61E-02
291	488617.32	3857959.41	0.04331	5.80E-02	6.09E-02	6.63E-02
292	488667.32	3857959.41	0.04348	5.82E-02	6.12E-02	6.66E-02
293	488717.32	3857959.41	0.0437	5.85E-02	6.15E-02	6.69E-02
294	488767.32	3857959.41	0.04389	5.87E-02	6.18E-02	6.72E-02
295	488417.32	3858009.41	0.04425	5.92E-02	6.23E-02	6.78E-02
296	488467.32	3858009.41	0.04458	5.97E-02	6.27E-02	6.83E-02
297	488517.32	3858009.41	0.04474	5.99E-02	6.30E-02	6.85E-02
298	488567.32	3858009.41	0.04492	6.01E-02	6.32E-02	6.88E-02
299	488617.32	3858009.41	0.04501	6.02E-02	6.33E-02	6.89E-02
300	488667.32	3858009.41	0.04514	6.04E-02	6.35E-02	6.91E-02
301	488717.32	3858009.41	0.04535	6.07E-02	6.38E-02	6.94E-02
302	488767.32	3858009.41	0.04556	6.10E-02	6.41E-02	6.98E-02
303	488417.32	3858059.41	0.04608	6.17E-02	6.48E-02	7.06E-02
304	488467.32	3858059.41	0.04642	6.21E-02	6.53E-02	7.11E-02
305	488517.32	3858059.41	0.04666	6.25E-02	6.57E-02	7.14E-02
306	488567.32	3858059.41	0.04681	6.27E-02	6.59E-02	7.17E-02
307	488617.32	3858059.41	0.04697	6.29E-02	6.61E-02	7.19E-02
308	488667.32	3858059.41	0.04711	6.31E-02	6.63E-02	7.21E-02
309	488417.32	3858109.41	0.04784	6.40E-02	6.73E-02	7.33E-02
310	488467.32	3858109.41	0.04836	6.47E-02	6.80E-02	7.40E-02
311	488517.32	3858109.41	0.04873	6.52E-02	6.86E-02	7.46E-02

312	488567.32	3858109.41	0.0489	6.54E-02	6.88E-02	7.49E-02
313	488617.32	3858109.41	0.04909	6.57E-02	6.91E-02	7.52E-02
314	488667.32	3858109.41	0.04922	6.59E-02	6.93E-02	7.54E-02
315	488769.93	3858449.27	0.07537	1.01E-01	1.06E-01	1.15E-01
316	488819.93	3858449.27	0.0761	1.02E-01	1.07E-01	1.17E-01
317	488819.93	3858499.27	0.08313	1.11E-01	1.17E-01	1.27E-01
318	488869.93	3858499.27	0.08369	1.12E-01	1.18E-01	1.28E-01
319	488869.93	3858549.27	0.09257	1.24E-01	1.30E-01	1.42E-01
320	489438.17	3859571.48	0.33026	4.42E-01	4.65E-01	5.06E-01
321	489488.17	3859571.48	0.35959	4.81E-01	5.06E-01	5.51E-01
322	489538.17	3859571.48	0.39346	5.27E-01	5.54E-01	6.02E-01
323	489588.17	3859571.48	0.4307	5.76E-01	6.06E-01	6.59E-01
324	489438.17	3859621.48	0.2905	3.89E-01	4.09E-01	4.45E-01
325	489488.17	3859621.48	0.31292	4.19E-01	4.40E-01	4.79E-01
326	489538.17	3859621.48	0.3389	4.54E-01	4.77E-01	5.19E-01
327	489588.17	3859621.48	0.3703	4.96E-01	5.21E-01	5.67E-01
328	489238.17	3859671.48	0.2024	2.71E-01	2.85E-01	3.10E-01
329	489288.17	3859671.48	0.21416	2.87E-01	3.01E-01	3.28E-01
330	489338.17	3859671.48	0.22775	3.05E-01	3.20E-01	3.49E-01
331	489388.17	3859671.48	0.24379	3.26E-01	3.43E-01	3.73E-01
332	489438.17	3859671.48	0.25972	3.48E-01	3.65E-01	3.98E-01
333	489488.17	3859671.48	0.27947	3.74E-01	3.93E-01	4.28E-01
334	489538.17	3859671.48	0.30061	4.02E-01	4.23E-01	4.60E-01
335	489588.17	3859671.48	0.32484	4.35E-01	4.57E-01	4.97E-01
336	489238.17	3859721.48	0.187	2.50E-01	2.63E-01	2.86E-01
337	489288.17	3859721.48	0.19825	2.65E-01	2.79E-01	3.04E-01
338	489338.17	3859721.48	0.20969	2.81E-01	2.95E-01	3.21E-01
339	489388.17	3859721.48	0.22211	2.97E-01	3.13E-01	3.40E-01
340	489438.17	3859721.48	0.23544	3.15E-01	3.31E-01	3.61E-01
341	489488.17	3859721.48	0.25199	3.37E-01	3.55E-01	3.86E-01
342	489538.17	3859721.48	0.26951	3.61E-01	3.79E-01	4.13E-01
343	489588.17	3859721.48	0.28882	3.87E-01	4.06E-01	4.42E-01
344	489238.17	3859771.48	0.17401	2.33E-01	2.45E-01	2.66E-01
345	489288.17	3859771.48	0.18374	2.46E-01	2.59E-01	2.81E-01
346	489338.17	3859771.48	0.19312	2.58E-01	2.72E-01	2.96E-01
347	489388.17	3859771.48	0.20393	2.73E-01	2.87E-01	3.12E-01
348	489438.17	3859771.48	0.21504	2.88E-01	3.03E-01	3.29E-01
349	489488.17	3859771.48	0.2294	3.07E-01	3.23E-01	3.51E-01
350	489538.17	3859771.48	0.24425	3.27E-01	3.44E-01	3.74E-01
351	489588.17	3859771.48	0.25953	3.47E-01	3.65E-01	3.97E-01
352	489238.17	3859821.48	0.16239	2.17E-01	2.28E-01	2.49E-01
353	489288.17	3859821.48	0.17099	2.29E-01	2.41E-01	2.62E-01
354	489338.17	3859821.48	0.17931	2.40E-01	2.52E-01	2.75E-01
355	489388.17	3859821.48	0.18853	2.52E-01	2.65E-01	2.89E-01
356	489438.17	3859821.48	0.19931	2.67E-01	2.80E-01	3.05E-01
357	489488.17	3859821.48	0.21072	2.82E-01	2.96E-01	3.23E-01
358	489538.17	3859821.48	0.22289	2.98E-01	3.14E-01	3.41E-01
359	489588.17	3859821.48	0.23549	3.15E-01	3.31E-01	3.61E-01
360	489238.17	3859871.48	0.15245	2.04E-01	2.15E-01	2.33E-01
361	489288.17	3859871.48	0.15957	2.14E-01	2.25E-01	2.44E-01
362	489338.17	3859871.48	0.16717	2.24E-01	2.35E-01	2.56E-01
363	489388.17	3859871.48	0.17575	2.35E-01	2.47E-01	2.69E-01
364	489438.17	3859871.48	0.18531	2.48E-01	2.61E-01	2.84E-01
365	489488.17	3859871.48	0.19492	2.61E-01	2.74E-01	2.98E-01
366	489538.17	3859871.48	0.2046	2.74E-01	2.88E-01	3.13E-01
367	489588.17	3859871.48	0.21502	2.88E-01	3.03E-01	3.29E-01
368	489238.17	3859921.48	0.1439	1.93E-01	2.02E-01	2.20E-01
369	489288.17	3859921.48	0.15068	2.02E-01	2.12E-01	2.31E-01
370	489338.17	3859921.48	0.15738	2.11E-01	2.21E-01	2.41E-01
371	489388.17	3859921.48	0.16489	2.21E-01	2.32E-01	2.52E-01
372	489438.17	3859921.48	0.17263	2.31E-01	2.43E-01	2.64E-01
373	489488.17	3859921.48	0.18023	2.41E-01	2.54E-01	2.76E-01
374	489538.17	3859921.48	0.18826	2.52E-01	2.65E-01	2.88E-01

375	489588.17	3859921.48	0.19609	2.62E-01	2.76E-01	3.00E-01
376	489238.17	3859971.48	0.13627	1.82E-01	1.92E-01	2.09E-01
377	489288.17	3859971.48	0.14196	1.90E-01	2.00E-01	2.17E-01
378	489338.17	3859971.48	0.14816	1.98E-01	2.08E-01	2.27E-01
379	489388.17	3859971.48	0.15464	2.07E-01	2.18E-01	2.37E-01
380	489438.17	3859971.48	0.16022	2.14E-01	2.25E-01	2.45E-01
381	489488.17	3859971.48	0.16216	2.17E-01	2.28E-01	2.48E-01
382	489538.17	3859971.48	0.16467	2.20E-01	2.32E-01	2.52E-01
383	489588.17	3859971.48	0.16702	2.24E-01	2.35E-01	2.56E-01
384	483577.7	3854071	0.08276	1.11E-01	1.16E-01	1.27E-01
385	483627.7	3854071	0.0824	1.10E-01	1.16E-01	1.26E-01
386	483677.7	3854071	0.08187	1.10E-01	1.15E-01	1.25E-01
387	483727.7	3854071	0.08126	1.09E-01	1.14E-01	1.24E-01
388	483777.7	3854071	0.08004	1.07E-01	1.13E-01	1.23E-01
389	483577.7	3854121	0.0783	1.05E-01	1.10E-01	1.20E-01
390	483627.7	3854121	0.07768	1.04E-01	1.09E-01	1.19E-01
391	483677.7	3854121	0.07678	1.03E-01	1.08E-01	1.18E-01
392	483727.7	3854121	0.07575	1.01E-01	1.07E-01	1.16E-01
393	483777.7	3854121	0.07507	1.00E-01	1.06E-01	1.15E-01
394	483577.7	3854171	0.07354	9.84E-02	1.03E-01	1.13E-01
395	483627.7	3854171	0.07254	9.71E-02	1.02E-01	1.11E-01
396	483677.7	3854171	0.07178	9.61E-02	1.01E-01	1.10E-01
397	483727.7	3854171	0.07121	9.53E-02	1.00E-01	1.09E-01
398	483777.7	3854171	0.07049	9.43E-02	9.92E-02	1.08E-01
399	483827.7	3854171	0.06914	9.25E-02	9.73E-02	1.06E-01
400	483877.7	3854171	0.06841	9.16E-02	9.63E-02	1.05E-01
401	483727.7	3854221	0.06722	9.00E-02	9.46E-02	1.03E-01
402	483777.7	3854221	0.06645	8.89E-02	9.35E-02	1.02E-01
403	483827.7	3854221	0.06646	8.90E-02	9.35E-02	1.02E-01
404	483877.7	3854221	0.06548	8.76E-02	9.21E-02	1.00E-01
405	489150.19	3858726.45	0.17283	2.31E-01	2.43E-01	2.65E-01
406	489200.19	3858726.45	0.17693	2.37E-01	2.49E-01	2.71E-01
407	489150.19	3858776.45	0.24251	3.25E-01	3.41E-01	3.71E-01
408	489200.19	3858776.45	0.24611	3.29E-01	3.46E-01	3.77E-01
409	488919.6	3856400.76	0.02792	3.74E-02	3.93E-02	4.28E-02
410	488919.6	3856450.76	0.02775	3.71E-02	3.90E-02	4.25E-02
411	488969.6	3856450.76	0.02776	3.72E-02	3.91E-02	4.25E-02
412	488919.6	3856500.76	0.0276	3.69E-02	3.88E-02	4.23E-02
413	488969.6	3856500.76	0.02763	3.70E-02	3.89E-02	4.23E-02
414	488919.6	3856550.76	0.0275	3.68E-02	3.87E-02	4.21E-02
415	488969.6	3856550.76	0.02751	3.68E-02	3.87E-02	4.21E-02
416	488819.6	3856600.76	0.02732	3.66E-02	3.84E-02	4.18E-02
417	488869.6	3856600.76	0.02735	3.66E-02	3.85E-02	4.19E-02
418	488919.6	3856600.76	0.02739	3.67E-02	3.85E-02	4.19E-02
419	488819.6	3856650.76	0.02725	3.65E-02	3.83E-02	4.17E-02
420	488869.6	3856650.76	0.02727	3.65E-02	3.84E-02	4.18E-02
421	488819.6	3856700.76	0.02722	3.64E-02	3.83E-02	4.17E-02
422	488869.6	3856700.76	0.02723	3.64E-02	3.83E-02	4.17E-02
423	488819.6	3856750.76	0.0272	3.64E-02	3.83E-02	4.16E-02
424	488869.6	3856750.76	0.02723	3.64E-02	3.83E-02	4.17E-02
425	488819.6	3857050.76	0.02812	3.76E-02	3.96E-02	4.31E-02
426	488869.6	3857050.76	0.02807	3.76E-02	3.95E-02	4.30E-02
427	488919.6	3857050.76	0.02802	3.75E-02	3.94E-02	4.29E-02
428	488819.6	3857100.76	0.02846	3.81E-02	4.00E-02	4.36E-02
429	488869.6	3857100.76	0.02837	3.80E-02	3.99E-02	4.34E-02
430	488919.6	3857100.76	0.02832	3.79E-02	3.98E-02	4.34E-02
431	488819.6	3857150.76	0.02885	3.86E-02	4.06E-02	4.42E-02
432	488869.6	3857150.76	0.02877	3.85E-02	4.05E-02	4.41E-02
433	488919.6	3857150.76	0.02867	3.84E-02	4.03E-02	4.39E-02
434	488969.6	3857150.76	0.02858	3.83E-02	4.02E-02	4.38E-02
435	488819.6	3857200.76	0.02932	3.92E-02	4.13E-02	4.49E-02
436	488869.6	3857200.76	0.02922	3.91E-02	4.11E-02	4.47E-02
437	488919.6	3857200.76	0.02911	3.90E-02	4.10E-02	4.46E-02

438	488969.6	3857200.76	0.02897	3.88E-02	4.08E-02	4.44E-02
439	488819.6	3857250.76	0.02982	3.99E-02	4.20E-02	4.57E-02
440	488869.6	3857250.76	0.0297	3.98E-02	4.18E-02	4.55E-02
441	488919.6	3857250.76	0.02957	3.96E-02	4.16E-02	4.53E-02
442	488969.6	3857250.76	0.02944	3.94E-02	4.14E-02	4.51E-02
443	488819.6	3857300.76	0.03039	4.07E-02	4.28E-02	4.65E-02
444	488869.6	3857300.76	0.03027	4.05E-02	4.26E-02	4.63E-02
445	488919.6	3857300.76	0.03014	4.03E-02	4.24E-02	4.62E-02
446	488819.6	3857450.76	0.03241	4.34E-02	4.56E-02	4.96E-02
447	488869.6	3857450.76	0.03227	4.32E-02	4.54E-02	4.94E-02
448	488919.6	3857450.76	0.03218	4.31E-02	4.53E-02	4.93E-02
449	488819.6	3857500.76	0.03315	4.44E-02	4.66E-02	5.08E-02
450	488869.6	3857500.76	0.03308	4.43E-02	4.65E-02	5.07E-02
451	488919.6	3857500.76	0.03298	4.41E-02	4.64E-02	5.05E-02
452	488819.6	3857550.76	0.03397	4.55E-02	4.78E-02	5.20E-02
453	488869.6	3857550.76	0.0339	4.54E-02	4.77E-02	5.19E-02
454	488919.6	3857550.76	0.03384	4.53E-02	4.76E-02	5.18E-02
455	489663.71	3860900.05	0.06732	9.01E-02	9.47E-02	1.03E-01
456	489813.71	3860900.05	0.07088	9.49E-02	9.97E-02	1.09E-01
457	489863.71	3860900.05	0.07192	9.63E-02	1.01E-01	1.10E-01
458	489913.71	3860900.05	0.07345	9.83E-02	1.03E-01	1.12E-01
459	489963.71	3860900.05	0.07458	9.98E-02	1.05E-01	1.14E-01
460	490013.71	3860900.05	0.07626	1.02E-01	1.07E-01	1.17E-01
461	490063.71	3860900.05	0.07775	1.04E-01	1.09E-01	1.19E-01
462	489663.71	3860950.05	0.06483	8.68E-02	9.12E-02	9.93E-02
463	489813.71	3860950.05	0.06809	9.11E-02	9.58E-02	1.04E-01
464	489863.71	3860950.05	0.06897	9.23E-02	9.70E-02	1.06E-01
465	489913.71	3860950.05	0.07026	9.40E-02	9.89E-02	1.08E-01
466	489963.71	3860950.05	0.07137	9.55E-02	1.00E-01	1.09E-01
467	490013.71	3860950.05	0.07269	9.73E-02	1.02E-01	1.11E-01
468	490063.71	3860950.05	0.0741	9.92E-02	1.04E-01	1.13E-01
469	489513.71	3861000.05	0.05986	8.01E-02	8.42E-02	9.17E-02
470	489563.71	3861000.05	0.06068	8.12E-02	8.54E-02	9.29E-02
471	489613.71	3861000.05	0.06166	8.25E-02	8.68E-02	9.44E-02
472	489663.71	3861000.05	0.06258	8.38E-02	8.81E-02	9.58E-02
473	489713.71	3861000.05	0.06341	8.49E-02	8.92E-02	9.71E-02
474	489763.71	3861000.05	0.06434	8.61E-02	9.05E-02	9.85E-02
475	489813.71	3861000.05	0.06555	8.77E-02	9.22E-02	1.00E-01
476	489863.71	3861000.05	0.06632	8.88E-02	9.33E-02	1.02E-01
477	489913.71	3861000.05	0.06748	9.03E-02	9.49E-02	1.03E-01
478	489963.71	3861000.05	0.06838	9.15E-02	9.62E-02	1.05E-01
479	490013.71	3861000.05	0.06955	9.31E-02	9.79E-02	1.06E-01
480	490063.71	3861000.05	0.07073	9.47E-02	9.95E-02	1.08E-01
481	489513.71	3861050.05	0.058	7.76E-02	8.16E-02	8.88E-02
482	489563.71	3861050.05	0.05874	7.86E-02	8.27E-02	8.99E-02
483	489613.71	3861050.05	0.05976	8.00E-02	8.41E-02	9.15E-02
484	489663.71	3861050.05	0.06042	8.09E-02	8.50E-02	9.25E-02
485	489713.71	3861050.05	0.06114	8.18E-02	8.60E-02	9.36E-02
486	489763.71	3861050.05	0.06202	8.30E-02	8.73E-02	9.50E-02
487	489813.71	3861050.05	0.06299	8.43E-02	8.86E-02	9.64E-02
488	489863.71	3861050.05	0.06382	8.54E-02	8.98E-02	9.77E-02
489	489913.71	3861050.05	0.06473	8.66E-02	9.11E-02	9.91E-02
490	489963.71	3861050.05	0.06563	8.78E-02	9.23E-02	1.00E-01
491	490013.71	3861050.05	0.06678	8.94E-02	9.40E-02	1.02E-01
492	490063.71	3861050.05	0.06776	9.07E-02	9.53E-02	1.04E-01
493	489513.71	3861100.05	0.0564	7.55E-02	7.94E-02	8.64E-02
494	489563.71	3861100.05	0.05686	7.61E-02	8.00E-02	8.71E-02
495	489613.71	3861100.05	0.05731	7.67E-02	8.06E-02	8.78E-02
496	489663.71	3861100.05	0.05809	7.77E-02	8.17E-02	8.89E-02
497	489713.71	3861100.05	0.05889	7.88E-02	8.29E-02	9.02E-02
498	489763.71	3861100.05	0.05968	7.99E-02	8.40E-02	9.14E-02
499	489813.71	3861100.05	0.06056	8.11E-02	8.52E-02	9.27E-02
500	489863.71	3861100.05	0.06155	8.24E-02	8.66E-02	9.42E-02

501	489913.71	3861100.05	0.0622	8.33E-02	8.75E-02	9.52E-02
502	489963.71	3861100.05	0.06305	8.44E-02	8.87E-02	9.65E-02
503	490013.71	3861100.05	0.06379	8.54E-02	8.98E-02	9.77E-02
504	490063.71	3861100.05	0.06471	8.66E-02	9.11E-02	9.91E-02
505	489713.71	3861150.05	0.05678	7.60E-02	7.99E-02	8.69E-02
506	489763.71	3861150.05	0.05755	7.70E-02	8.10E-02	8.81E-02
507	489813.71	3861150.05	0.05834	7.81E-02	8.21E-02	8.93E-02
508	489863.71	3861150.05	0.05908	7.91E-02	8.31E-02	9.05E-02
509	489913.71	3861150.05	0.05976	8.00E-02	8.41E-02	9.15E-02
510	489963.71	3861150.05	0.06042	8.09E-02	8.50E-02	9.25E-02
511	490013.71	3861150.05	0.0611	8.18E-02	8.60E-02	9.36E-02
512	490063.71	3861150.05	0.06198	8.30E-02	8.72E-02	9.49E-02
513	489613.71	3861200.05	0.05338	7.14E-02	7.51E-02	8.17E-02
514	489663.71	3861200.05	0.05408	7.24E-02	7.61E-02	8.28E-02
515	489713.71	3861200.05	0.05479	7.33E-02	7.71E-02	8.39E-02
516	489763.71	3861200.05	0.05548	7.43E-02	7.81E-02	8.50E-02
517	489813.71	3861200.05	0.0562	7.52E-02	7.91E-02	8.61E-02
518	489863.71	3861200.05	0.05697	7.63E-02	8.02E-02	8.72E-02
519	489913.71	3861200.05	0.05757	7.71E-02	8.10E-02	8.82E-02
520	489963.71	3861200.05	0.05811	7.78E-02	8.18E-02	8.90E-02
521	490013.71	3861200.05	0.05878	7.87E-02	8.27E-02	9.00E-02
522	490063.71	3861200.05	0.05939	7.95E-02	8.36E-02	9.09E-02
523	489513.71	3861250.05	0.05031	6.73E-02	7.08E-02	7.70E-02
524	489563.71	3861250.05	0.05102	6.83E-02	7.18E-02	7.81E-02
525	489613.71	3861250.05	0.05169	6.92E-02	7.27E-02	7.91E-02
526	489663.71	3861250.05	0.05227	7.00E-02	7.35E-02	8.00E-02
527	489713.71	3861250.05	0.0529	7.08E-02	7.44E-02	8.10E-02
528	489763.71	3861250.05	0.05354	7.17E-02	7.53E-02	8.20E-02
529	489813.71	3861250.05	0.05417	7.25E-02	7.62E-02	8.29E-02
530	489863.71	3861250.05	0.05479	7.33E-02	7.71E-02	8.39E-02
531	489913.71	3861250.05	0.05544	7.42E-02	7.80E-02	8.49E-02
532	489963.71	3861250.05	0.05602	7.50E-02	7.88E-02	8.58E-02
533	490013.71	3861250.05	0.05656	7.57E-02	7.96E-02	8.66E-02
534	490063.71	3861250.05	0.057	7.63E-02	8.02E-02	8.73E-02
535	489528.13	3861308.47	0.04859	6.50E-02	6.84E-02	7.44E-02
536	489578.13	3861308.47	0.04919	6.58E-02	6.92E-02	7.53E-02
537	489628.13	3861308.47	0.04978	6.66E-02	7.00E-02	7.62E-02
538	489678.13	3861308.47	0.05038	6.74E-02	7.09E-02	7.71E-02
539	489728.13	3861308.47	0.05097	6.82E-02	7.17E-02	7.80E-02
540	489778.13	3861308.47	0.05149	6.89E-02	7.24E-02	7.88E-02
541	489678.13	3861358.47	0.04867	6.51E-02	6.85E-02	7.45E-02
542	489728.13	3861358.47	0.04918	6.58E-02	6.92E-02	7.53E-02
543	489528.13	3861408.47	0.0455	6.09E-02	6.40E-02	6.97E-02
544	489578.13	3861408.47	0.04601	6.16E-02	6.47E-02	7.05E-02
545	489628.13	3861408.47	0.04664	6.24E-02	6.56E-02	7.14E-02
546	489678.13	3861408.47	0.04707	6.30E-02	6.62E-02	7.21E-02
547	489728.13	3861408.47	0.04748	6.35E-02	6.68E-02	7.27E-02
548	489528.13	3861458.47	0.04413	5.91E-02	6.21E-02	6.76E-02
549	489578.13	3861458.47	0.0446	5.97E-02	6.28E-02	6.83E-02
550	489628.13	3861458.47	0.04506	6.03E-02	6.34E-02	6.90E-02
551	489678.13	3861458.47	0.04547	6.09E-02	6.40E-02	6.96E-02
552	489728.13	3861458.47	0.04578	6.13E-02	6.44E-02	7.01E-02
553	489528.13	3861508.47	0.04277	5.72E-02	6.02E-02	6.55E-02
554	489578.13	3861508.47	0.04316	5.78E-02	6.07E-02	6.61E-02
555	489628.13	3861508.47	0.04355	5.83E-02	6.13E-02	6.67E-02
556	489678.13	3861508.47	0.04389	5.87E-02	6.18E-02	6.72E-02
557	489728.13	3861508.47	0.04422	5.92E-02	6.22E-02	6.77E-02
558	489628.13	3861558.47	0.04221	5.65E-02	5.94E-02	6.46E-02
559	489678.13	3861558.47	0.04262	5.70E-02	6.00E-02	6.53E-02
560	489728.13	3861558.47	0.04293	5.75E-02	6.04E-02	6.57E-02
561	489357.08	3861015.81	0.05666	7.58E-02	7.97E-02	8.68E-02
562	489407.08	3861015.81	0.05733	7.67E-02	8.07E-02	8.78E-02
563	489457.08	3861015.81	0.05813	7.78E-02	8.18E-02	8.90E-02

564	489357.08	3861065.81	0.05494	7.35E-02	7.73E-02	8.41E-02
565	489407.08	3861065.81	0.05556	7.44E-02	7.82E-02	8.51E-02
566	489457.08	3861065.81	0.05631	7.54E-02	7.92E-02	8.62E-02
567	489357.08	3861115.81	0.05324	7.13E-02	7.49E-02	8.15E-02
568	489407.08	3861115.81	0.05397	7.22E-02	7.59E-02	8.26E-02
569	489457.08	3861115.81	0.05471	7.32E-02	7.70E-02	8.38E-02
570	489407.08	3861165.81	0.05242	7.02E-02	7.38E-02	8.03E-02
571	489457.08	3861165.81	0.05299	7.09E-02	7.46E-02	8.11E-02
572	489407.08	3861215.81	0.05042	6.75E-02	7.09E-02	7.72E-02
573	489457.08	3861215.81	0.05101	6.83E-02	7.18E-02	7.81E-02
574	489407.08	3861265.81	0.0485	6.49E-02	6.82E-02	7.43E-02
575	489457.08	3861265.81	0.04914	6.58E-02	6.91E-02	7.52E-02
576	489309.86	3861110.14	0.05269	7.05E-02	7.41E-02	8.07E-02
577	489407.08	3861315.81	0.047	6.29E-02	6.61E-02	7.20E-02
578	489457.08	3861315.81	0.04759	6.37E-02	6.70E-02	7.29E-02
579	488906.03	3861006.75	0.0508	6.80E-02	7.15E-02	7.78E-02
580	488956.03	3861006.75	0.05174	6.93E-02	7.28E-02	7.92E-02
581	488904.24	3861051.87	0.05028	6.73E-02	7.07E-02	7.70E-02
582	488954.24	3861051.87	0.05069	6.78E-02	7.13E-02	7.76E-02
583	489004.24	3861051.87	0.05164	6.91E-02	7.27E-02	7.91E-02
584	488804.24	3861101.87	0.04716	6.31E-02	6.64E-02	7.22E-02
585	488854.24	3861101.87	0.04799	6.42E-02	6.75E-02	7.35E-02
586	488904.24	3861101.87	0.04801	6.43E-02	6.76E-02	7.35E-02
587	488954.24	3861101.87	0.04843	6.48E-02	6.81E-02	7.42E-02
588	489004.24	3861101.87	0.0491	6.57E-02	6.91E-02	7.52E-02
589	488804.24	3861151.87	0.04506	6.03E-02	6.34E-02	6.90E-02
590	488854.24	3861151.87	0.04555	6.10E-02	6.41E-02	6.97E-02
591	489129.49	3861187.55	0.04776	6.39E-02	6.72E-02	7.31E-02
592	489179.49	3861187.55	0.0483	6.46E-02	6.80E-02	7.40E-02
593	488804.24	3861201.87	0.04392	5.88E-02	6.18E-02	6.72E-02
594	488854.24	3861201.87	0.04421	5.92E-02	6.22E-02	6.77E-02
595	489129.49	3861237.55	0.04658	6.23E-02	6.55E-02	7.13E-02
596	489179.49	3861237.55	0.04694	6.28E-02	6.60E-02	7.19E-02
597	488804.24	3861251.87	0.04288	5.74E-02	6.03E-02	6.57E-02
598	488854.24	3861251.87	0.04311	5.77E-02	6.07E-02	6.60E-02
599	488804.24	3861301.87	0.04172	5.58E-02	5.87E-02	6.39E-02
600	488854.24	3861301.87	0.04204	5.63E-02	5.92E-02	6.44E-02
601	490943.5	3860181.97	0.43942	5.88E-01	6.18E-01	6.73E-01
602	490993.5	3860181.97	0.48165	6.45E-01	6.78E-01	7.37E-01
603	491043.5	3860181.97	0.53575	7.17E-01	7.54E-01	8.20E-01
604	491093.5	3860181.97	0.60258	8.07E-01	8.48E-01	9.23E-01
605	490943.5	3860231.97	0.3808	5.10E-01	5.36E-01	5.83E-01
606	490993.5	3860231.97	0.41817	5.60E-01	5.88E-01	6.40E-01
607	491043.5	3860231.97	0.45457	6.08E-01	6.40E-01	6.96E-01
608	491093.5	3860231.97	0.49969	6.69E-01	7.03E-01	7.65E-01
609	490943.5	3860281.97	0.33501	4.48E-01	4.71E-01	5.13E-01
610	490993.5	3860281.97	0.36343	4.86E-01	5.11E-01	5.56E-01
611	491043.5	3860281.97	0.39257	5.25E-01	5.52E-01	6.01E-01
612	491093.5	3860281.97	0.4267	5.71E-01	6.00E-01	6.53E-01
613	490943.5	3860331.97	0.29718	3.98E-01	4.18E-01	4.55E-01
614	490993.5	3860331.97	0.31619	4.23E-01	4.45E-01	4.84E-01
615	491043.5	3860331.97	0.33868	4.53E-01	4.77E-01	5.19E-01
616	491093.5	3860331.97	0.36549	4.89E-01	5.14E-01	5.60E-01
617	490086.72	3859935.12	0.31582	4.23E-01	4.44E-01	4.84E-01
618	490136.72	3859935.12	0.33368	4.47E-01	4.70E-01	5.11E-01
619	490186.72	3859935.12	0.35344	4.73E-01	4.97E-01	5.41E-01
620	490236.72	3859935.12	0.37523	5.02E-01	5.28E-01	5.75E-01
621	490286.72	3859935.12	0.39789	5.33E-01	5.60E-01	6.09E-01
622	490336.72	3859935.12	0.42286	5.66E-01	5.95E-01	6.47E-01
623	490386.72	3859935.12	0.45253	6.06E-01	6.37E-01	6.93E-01
624	490436.72	3859935.12	0.48532	6.50E-01	6.83E-01	7.43E-01
625	490486.72	3859935.12	0.52511	7.03E-01	7.39E-01	8.04E-01
626	490536.72	3859935.12	0.58286	7.80E-01	8.20E-01	8.92E-01

627	490586.72	3859935.12	0.65684	8.79E-01	9.24E-01	1.01E+00
628	490636.72	3859935.12	0.73657	9.86E-01	1.04E+00	1.13E+00
629	490686.72	3859935.12	0.86339	1.16E+00	1.21E+00	1.32E+00
630	490736.72	3859935.12	1.01383	1.36E+00	1.43E+00	1.55E+00
631	490086.72	3859985.12	0.28022	3.75E-01	3.94E-01	4.29E-01
632	490136.72	3859985.12	0.29392	3.93E-01	4.14E-01	4.50E-01
633	490186.72	3859985.12	0.30996	4.15E-01	4.36E-01	4.75E-01
634	490236.72	3859985.12	0.3282	4.39E-01	4.62E-01	5.03E-01
635	490286.72	3859985.12	0.34583	4.63E-01	4.87E-01	5.30E-01
636	490336.72	3859985.12	0.36471	4.88E-01	5.13E-01	5.58E-01
637	490386.72	3859985.12	0.38314	5.13E-01	5.39E-01	5.87E-01
638	490436.72	3859985.12	0.40572	5.43E-01	5.71E-01	6.21E-01
639	490486.72	3859985.12	0.43298	5.80E-01	6.09E-01	6.63E-01
640	490536.72	3859985.12	0.46783	6.26E-01	6.58E-01	7.16E-01
641	490586.72	3859985.12	0.51162	6.85E-01	7.20E-01	7.83E-01
642	490636.72	3859985.12	0.56617	7.58E-01	7.97E-01	8.67E-01
643	490686.72	3859985.12	0.64184	8.59E-01	9.03E-01	9.83E-01
644	490736.72	3859985.12	0.71391	9.56E-01	1.00E+00	1.09E+00
645	490786.72	3859985.12	0.8035	1.08E+00	1.13E+00	1.23E+00
646	490086.72	3860035.12	0.25147	3.37E-01	3.54E-01	3.85E-01
647	490136.72	3860035.12	0.26283	3.52E-01	3.70E-01	4.02E-01
648	490186.72	3860035.12	0.27522	3.68E-01	3.87E-01	4.21E-01
649	490236.72	3860035.12	0.28872	3.86E-01	4.06E-01	4.42E-01
650	490286.72	3860035.12	0.30251	4.05E-01	4.26E-01	4.63E-01
651	490336.72	3860035.12	0.3191	4.27E-01	4.49E-01	4.89E-01
652	490386.72	3860035.12	0.33339	4.46E-01	4.69E-01	5.10E-01
653	490436.72	3860035.12	0.35015	4.69E-01	4.93E-01	5.36E-01
654	490486.72	3860035.12	0.36977	4.95E-01	5.20E-01	5.66E-01
655	490536.72	3860035.12	0.39419	5.28E-01	5.55E-01	6.04E-01
656	490586.72	3860035.12	0.42182	5.65E-01	5.94E-01	6.46E-01
657	490636.72	3860035.12	0.45094	6.04E-01	6.34E-01	6.90E-01
658	490686.72	3860035.12	0.49251	6.59E-01	6.93E-01	7.54E-01
659	490736.72	3860035.12	0.55166	7.38E-01	7.76E-01	8.45E-01
660	490786.72	3860035.12	0.60574	8.11E-01	8.52E-01	9.28E-01
661	490836.72	3860035.12	0.67004	8.97E-01	9.43E-01	1.03E+00
662	490086.72	3860085.12	0.22997	3.08E-01	3.24E-01	3.52E-01
663	490136.72	3860085.12	0.23722	3.18E-01	3.34E-01	3.63E-01
664	490186.72	3860085.12	0.24849	3.33E-01	3.50E-01	3.80E-01
665	490236.72	3860085.12	0.25914	3.47E-01	3.65E-01	3.97E-01
666	490286.72	3860085.12	0.27056	3.62E-01	3.81E-01	4.14E-01
667	490336.72	3860085.12	0.28198	3.77E-01	3.97E-01	4.32E-01
668	490386.72	3860085.12	0.29446	3.94E-01	4.14E-01	4.51E-01
669	490436.72	3860085.12	0.30805	4.12E-01	4.33E-01	4.72E-01
670	490486.72	3860085.12	0.32223	4.31E-01	4.53E-01	4.93E-01
671	490536.72	3860085.12	0.34041	4.56E-01	4.79E-01	5.21E-01
672	490586.72	3860085.12	0.3609	4.83E-01	5.08E-01	5.53E-01
673	490636.72	3860085.12	0.38255	5.12E-01	5.38E-01	5.86E-01
674	490686.72	3860085.12	0.41074	5.50E-01	5.78E-01	6.29E-01
675	490736.72	3860085.12	0.44573	5.97E-01	6.27E-01	6.82E-01
676	490786.72	3860085.12	0.48693	6.52E-01	6.85E-01	7.46E-01
677	490836.72	3860085.12	0.52998	7.09E-01	7.46E-01	8.11E-01
678	490086.72	3860135.12	0.20659	2.77E-01	2.91E-01	3.16E-01
679	490136.72	3860135.12	0.21532	2.88E-01	3.03E-01	3.30E-01
680	490186.72	3860135.12	0.22469	3.01E-01	3.16E-01	3.44E-01
681	490236.72	3860135.12	0.23352	3.13E-01	3.29E-01	3.58E-01
682	490286.72	3860135.12	0.24325	3.26E-01	3.42E-01	3.72E-01
683	490336.72	3860135.12	0.2534	3.39E-01	3.57E-01	3.88E-01
684	490386.72	3860135.12	0.26364	3.53E-01	3.71E-01	4.04E-01
685	490436.72	3860135.12	0.27409	3.67E-01	3.86E-01	4.20E-01
686	490486.72	3860135.12	0.28607	3.83E-01	4.03E-01	4.38E-01
687	490536.72	3860135.12	0.30066	4.02E-01	4.23E-01	4.60E-01
688	490586.72	3860135.12	0.31603	4.23E-01	4.45E-01	4.84E-01
689	490636.72	3860135.12	0.33311	4.46E-01	4.69E-01	5.10E-01

690	490686.72	3860135.12	0.35234	4.72E-01	4.96E-01	5.39E-01
691	490736.72	3860135.12	0.37607	5.03E-01	5.29E-01	5.76E-01
692	490786.72	3860135.12	0.40683	5.45E-01	5.72E-01	6.23E-01
693	490836.72	3860135.12	0.43803	5.86E-01	6.16E-01	6.71E-01
694	490086.72	3860185.12	0.18885	2.53E-01	2.66E-01	2.89E-01
695	490136.72	3860185.12	0.19694	2.64E-01	2.77E-01	3.02E-01
696	490186.72	3860185.12	0.20493	2.74E-01	2.88E-01	3.14E-01
697	490236.72	3860185.12	0.21251	2.84E-01	2.99E-01	3.25E-01
698	490286.72	3860185.12	0.22054	2.95E-01	3.10E-01	3.38E-01
699	490336.72	3860185.12	0.22892	3.06E-01	3.22E-01	3.51E-01
700	490386.72	3860185.12	0.23777	3.18E-01	3.35E-01	3.64E-01
701	490436.72	3860185.12	0.24707	3.31E-01	3.48E-01	3.78E-01
702	490486.72	3860185.12	0.25691	3.44E-01	3.61E-01	3.93E-01
703	490536.72	3860185.12	0.26833	3.59E-01	3.78E-01	4.11E-01
704	490586.72	3860185.12	0.2819	3.77E-01	3.97E-01	4.32E-01
705	490636.72	3860185.12	0.29495	3.95E-01	4.15E-01	4.52E-01
706	490686.72	3860185.12	0.31121	4.17E-01	4.38E-01	4.77E-01
707	490736.72	3860185.12	0.32775	4.39E-01	4.61E-01	5.02E-01
708	490786.72	3860185.12	0.34939	4.68E-01	4.92E-01	5.35E-01
709	490836.72	3860185.12	0.37439	5.01E-01	5.27E-01	5.73E-01
710	490086.72	3860235.12	0.1743	2.33E-01	2.45E-01	2.67E-01
711	490136.72	3860235.12	0.18087	2.42E-01	2.54E-01	2.77E-01
712	490186.72	3860235.12	0.1878	2.51E-01	2.64E-01	2.88E-01
713	490236.72	3860235.12	0.19457	2.60E-01	2.74E-01	2.98E-01
714	490286.72	3860235.12	0.20149	2.70E-01	2.84E-01	3.09E-01
715	490336.72	3860235.12	0.20884	2.80E-01	2.94E-01	3.20E-01
716	490386.72	3860235.12	0.21647	2.90E-01	3.05E-01	3.31E-01
717	490436.72	3860235.12	0.22471	3.01E-01	3.16E-01	3.44E-01
718	490486.72	3860235.12	0.23304	3.12E-01	3.28E-01	3.57E-01
719	490536.72	3860235.12	0.24266	3.25E-01	3.41E-01	3.72E-01
720	490586.72	3860235.12	0.25346	3.39E-01	3.57E-01	3.88E-01
721	490636.72	3860235.12	0.26517	3.55E-01	3.73E-01	4.06E-01
722	490686.72	3860235.12	0.27828	3.72E-01	3.92E-01	4.26E-01
723	490736.72	3860235.12	0.29249	3.91E-01	4.12E-01	4.48E-01
724	490786.72	3860235.12	0.30847	4.13E-01	4.34E-01	4.72E-01
725	490086.72	3860285.12	0.16134	2.16E-01	2.27E-01	2.47E-01
726	490136.72	3860285.12	0.16716	2.24E-01	2.35E-01	2.56E-01
727	490186.72	3860285.12	0.17291	2.31E-01	2.43E-01	2.65E-01
728	490236.72	3860285.12	0.17919	2.40E-01	2.52E-01	2.74E-01
729	490286.72	3860285.12	0.1851	2.48E-01	2.60E-01	2.83E-01
730	490336.72	3860285.12	0.19135	2.56E-01	2.69E-01	2.93E-01
731	490386.72	3860285.12	0.19833	2.65E-01	2.79E-01	3.04E-01
732	490436.72	3860285.12	0.20531	2.75E-01	2.89E-01	3.14E-01
733	490486.72	3860285.12	0.21294	2.85E-01	3.00E-01	3.26E-01
734	490536.72	3860285.12	0.22072	2.95E-01	3.11E-01	3.38E-01
735	490586.72	3860285.12	0.22948	3.07E-01	3.23E-01	3.51E-01
736	490636.72	3860285.12	0.23948	3.21E-01	3.37E-01	3.67E-01
737	490686.72	3860285.12	0.25085	3.36E-01	3.53E-01	3.84E-01
738	490736.72	3860285.12	0.26295	3.52E-01	3.70E-01	4.03E-01
739	490786.72	3860285.12	0.2769	3.71E-01	3.90E-01	4.24E-01
740	490086.72	3860335.12	0.1499	2.01E-01	2.11E-01	2.30E-01
741	490136.72	3860335.12	0.15516	2.08E-01	2.18E-01	2.38E-01
742	490186.72	3860335.12	0.16021	2.14E-01	2.25E-01	2.45E-01
743	490236.72	3860335.12	0.1658	2.22E-01	2.33E-01	2.54E-01
744	490286.72	3860335.12	0.17105	2.29E-01	2.41E-01	2.62E-01
745	490336.72	3860335.12	0.17646	2.36E-01	2.48E-01	2.70E-01
746	490386.72	3860335.12	0.18237	2.44E-01	2.57E-01	2.79E-01
747	490436.72	3860335.12	0.18867	2.53E-01	2.65E-01	2.89E-01
748	490486.72	3860335.12	0.19522	2.61E-01	2.75E-01	2.99E-01
749	490536.72	3860335.12	0.20263	2.71E-01	2.85E-01	3.10E-01
750	490586.72	3860335.12	0.20994	2.81E-01	2.95E-01	3.21E-01
751	490636.72	3860335.12	0.21838	2.92E-01	3.07E-01	3.34E-01
752	490686.72	3860335.12	0.22775	3.05E-01	3.20E-01	3.49E-01

753	490736.72	3860335.12	0.23816	3.19E-01	3.35E-01	3.65E-01
754	490786.72	3860335.12	0.25074	3.36E-01	3.53E-01	3.84E-01
755	490086.72	3860385.12	0.13993	1.87E-01	1.97E-01	2.14E-01
756	490136.72	3860385.12	0.14467	1.94E-01	2.04E-01	2.22E-01
757	490186.72	3860385.12	0.14891	1.99E-01	2.10E-01	2.28E-01
758	490236.72	3860385.12	0.15377	2.06E-01	2.16E-01	2.35E-01
759	490286.72	3860385.12	0.1585	2.12E-01	2.23E-01	2.43E-01
760	490336.72	3860385.12	0.16346	2.19E-01	2.30E-01	2.50E-01
761	490386.72	3860385.12	0.16861	2.26E-01	2.37E-01	2.58E-01
762	490436.72	3860385.12	0.17413	2.33E-01	2.45E-01	2.67E-01
763	490486.72	3860385.12	0.18021	2.41E-01	2.54E-01	2.76E-01
764	490536.72	3860385.12	0.18653	2.50E-01	2.62E-01	2.86E-01
765	490586.72	3860385.12	0.19325	2.59E-01	2.72E-01	2.96E-01
766	490636.72	3860385.12	0.20028	2.68E-01	2.82E-01	3.07E-01
767	490686.72	3860385.12	0.2085	2.79E-01	2.93E-01	3.19E-01
768	490736.72	3860385.12	0.21691	2.90E-01	3.05E-01	3.32E-01
769	490786.72	3860385.12	0.22668	3.03E-01	3.19E-01	3.47E-01
770	490136.72	3860435.12	0.13495	1.81E-01	1.90E-01	2.07E-01
771	490186.72	3860435.12	0.13915	1.86E-01	1.96E-01	2.13E-01
772	490236.72	3860435.12	0.1433	1.92E-01	2.02E-01	2.19E-01
773	490286.72	3860435.12	0.14753	1.97E-01	2.08E-01	2.26E-01
774	490336.72	3860435.12	0.15176	2.03E-01	2.14E-01	2.32E-01
775	490386.72	3860435.12	0.15646	2.09E-01	2.20E-01	2.40E-01
776	490436.72	3860435.12	0.16137	2.16E-01	2.27E-01	2.47E-01
777	490486.72	3860435.12	0.16657	2.23E-01	2.34E-01	2.55E-01
778	490536.72	3860435.12	0.17227	2.31E-01	2.42E-01	2.64E-01
779	490586.72	3860435.12	0.17806	2.38E-01	2.51E-01	2.73E-01
780	490636.72	3860435.12	0.18419	2.47E-01	2.59E-01	2.82E-01
781	490686.72	3860435.12	0.19115	2.56E-01	2.69E-01	2.93E-01
782	490736.72	3860435.12	0.19907	2.66E-01	2.80E-01	3.05E-01
783	490786.72	3860435.12	0.20706	2.77E-01	2.91E-01	3.17E-01
784	490136.72	3860485.12	0.12689	1.70E-01	1.79E-01	1.94E-01
785	490186.72	3860485.12	0.13044	1.75E-01	1.84E-01	2.00E-01
786	490236.72	3860485.12	0.13394	1.79E-01	1.88E-01	2.05E-01
787	490286.72	3860485.12	0.13788	1.85E-01	1.94E-01	2.11E-01
788	490336.72	3860485.12	0.14164	1.90E-01	1.99E-01	2.17E-01
789	490386.72	3860485.12	0.14588	1.95E-01	2.05E-01	2.23E-01
790	490436.72	3860485.12	0.15061	2.02E-01	2.12E-01	2.31E-01
791	490486.72	3860485.12	0.155	2.07E-01	2.18E-01	2.37E-01
792	490536.72	3860485.12	0.15959	2.14E-01	2.25E-01	2.44E-01
793	490586.72	3860485.12	0.16457	2.20E-01	2.32E-01	2.52E-01
794	490636.72	3860485.12	0.17027	2.28E-01	2.40E-01	2.61E-01
795	490686.72	3860485.12	0.17591	2.35E-01	2.48E-01	2.69E-01
796	490736.72	3860485.12	0.18256	2.44E-01	2.57E-01	2.80E-01
797	490786.72	3860485.12	0.18969	2.54E-01	2.67E-01	2.90E-01
798	490136.72	3860535.12	0.11946	1.60E-01	1.68E-01	1.83E-01
799	490186.72	3860535.12	0.1232	1.65E-01	1.73E-01	1.89E-01
800	490236.72	3860535.12	0.12582	1.68E-01	1.77E-01	1.93E-01
801	490286.72	3860535.12	0.12901	1.73E-01	1.82E-01	1.98E-01
802	490336.72	3860535.12	0.13262	1.78E-01	1.87E-01	2.03E-01
803	490386.72	3860535.12	0.13662	1.83E-01	1.92E-01	2.09E-01
804	490436.72	3860535.12	0.14074	1.88E-01	1.98E-01	2.15E-01
805	490486.72	3860535.12	0.14491	1.94E-01	2.04E-01	2.22E-01
806	490536.72	3860535.12	0.15022	2.01E-01	2.11E-01	2.30E-01
807	490586.72	3860535.12	0.15322	2.05E-01	2.16E-01	2.35E-01
808	490636.72	3860535.12	0.15777	2.11E-01	2.22E-01	2.42E-01
809	490686.72	3860535.12	0.16296	2.18E-01	2.29E-01	2.50E-01
810	490736.72	3860535.12	0.16824	2.25E-01	2.37E-01	2.58E-01
811	490786.72	3860535.12	0.17447	2.34E-01	2.45E-01	2.67E-01
812	490136.72	3860585.12	0.11321	1.52E-01	1.59E-01	1.73E-01
813	490186.72	3860585.12	0.11463	1.53E-01	1.61E-01	1.76E-01
814	490236.72	3860585.12	0.118	1.58E-01	1.66E-01	1.81E-01
815	490286.72	3860585.12	0.1213	1.62E-01	1.71E-01	1.86E-01

816	490336.72	3860585.12	0.12444	1.67E-01	1.75E-01	1.91E-01
817	490386.72	3860585.12	0.12769	1.71E-01	1.80E-01	1.96E-01
818	490436.72	3860585.12	0.1322	1.77E-01	1.86E-01	2.02E-01
819	490486.72	3860585.12	0.1367	1.83E-01	1.92E-01	2.09E-01
820	490536.72	3860585.12	0.14024	1.88E-01	1.97E-01	2.15E-01
821	490586.72	3860585.12	0.14233	1.90E-01	2.00E-01	2.18E-01
822	490636.72	3860585.12	0.14658	1.96E-01	2.06E-01	2.24E-01
823	490686.72	3860585.12	0.151	2.02E-01	2.12E-01	2.31E-01
824	490736.72	3860585.12	0.15577	2.08E-01	2.19E-01	2.39E-01
825	490786.72	3860585.12	0.16066	2.15E-01	2.26E-01	2.46E-01
826	490136.72	3860635.12	0.10784	1.44E-01	1.52E-01	1.65E-01
827	490186.72	3860635.12	0.10966	1.47E-01	1.54E-01	1.68E-01
828	490236.72	3860635.12	0.11139	1.49E-01	1.57E-01	1.71E-01
829	490286.72	3860635.12	0.11397	1.53E-01	1.60E-01	1.75E-01
830	490336.72	3860635.12	0.11694	1.57E-01	1.65E-01	1.79E-01
831	490386.72	3860635.12	0.11999	1.61E-01	1.69E-01	1.84E-01
832	490436.72	3860635.12	0.12299	1.65E-01	1.73E-01	1.88E-01
833	490486.72	3860635.12	0.12633	1.69E-01	1.78E-01	1.93E-01
834	490536.72	3860635.12	0.13024	1.74E-01	1.83E-01	1.99E-01
835	490586.72	3860635.12	0.13311	1.78E-01	1.87E-01	2.04E-01
836	490636.72	3860635.12	0.13691	1.83E-01	1.93E-01	2.10E-01
837	490686.72	3860635.12	0.14069	1.88E-01	1.98E-01	2.15E-01
838	490736.72	3860635.12	0.14433	1.93E-01	2.03E-01	2.21E-01
839	490786.72	3860635.12	0.14872	1.99E-01	2.09E-01	2.28E-01
840	490136.72	3860685.12	0.10181	1.36E-01	1.43E-01	1.56E-01
841	490186.72	3860685.12	0.10485	1.40E-01	1.48E-01	1.61E-01
842	490236.72	3860685.12	0.10633	1.42E-01	1.50E-01	1.63E-01
843	490286.72	3860685.12	0.10725	1.44E-01	1.51E-01	1.64E-01
844	490336.72	3860685.12	0.11023	1.48E-01	1.55E-01	1.69E-01
845	490386.72	3860685.12	0.11294	1.51E-01	1.59E-01	1.73E-01
846	490436.72	3860685.12	0.11537	1.54E-01	1.62E-01	1.77E-01
847	490486.72	3860685.12	0.1179	1.58E-01	1.66E-01	1.81E-01
848	490536.72	3860685.12	0.12102	1.62E-01	1.70E-01	1.85E-01
849	490586.72	3860685.12	0.12422	1.66E-01	1.75E-01	1.90E-01
850	490636.72	3860685.12	0.12774	1.71E-01	1.80E-01	1.96E-01
851	490686.72	3860685.12	0.1315	1.76E-01	1.85E-01	2.01E-01
852	490736.72	3860685.12	0.13481	1.80E-01	1.90E-01	2.06E-01
853	490786.72	3860685.12	0.13917	1.86E-01	1.96E-01	2.13E-01
854	490136.72	3860735.12	0.09534	1.28E-01	1.34E-01	1.46E-01
855	490186.72	3860735.12	0.09709	1.30E-01	1.37E-01	1.49E-01
856	490236.72	3860735.12	0.09913	1.33E-01	1.39E-01	1.52E-01
857	490286.72	3860735.12	0.10139	1.36E-01	1.43E-01	1.55E-01
858	490336.72	3860735.12	0.10365	1.39E-01	1.46E-01	1.59E-01
859	490386.72	3860735.12	0.10627	1.42E-01	1.50E-01	1.63E-01
860	490436.72	3860735.12	0.10951	1.47E-01	1.54E-01	1.68E-01
861	490486.72	3860735.12	0.11158	1.49E-01	1.57E-01	1.71E-01
862	490536.72	3860735.12	0.11323	1.52E-01	1.59E-01	1.73E-01
863	490586.72	3860735.12	0.1158	1.55E-01	1.63E-01	1.77E-01
864	490636.72	3860735.12	0.11871	1.59E-01	1.67E-01	1.82E-01
865	490686.72	3860735.12	0.12231	1.64E-01	1.72E-01	1.87E-01
866	490736.72	3860735.12	0.12602	1.69E-01	1.77E-01	1.93E-01
867	490136.72	3860785.12	0.08974	1.20E-01	1.26E-01	1.37E-01
868	490186.72	3860785.12	0.09163	1.23E-01	1.29E-01	1.40E-01
869	490236.72	3860785.12	0.09349	1.25E-01	1.32E-01	1.43E-01
870	490286.72	3860785.12	0.09548	1.28E-01	1.34E-01	1.46E-01
871	490336.72	3860785.12	0.09748	1.30E-01	1.37E-01	1.49E-01
872	490386.72	3860785.12	0.1001	1.34E-01	1.41E-01	1.53E-01
873	490436.72	3860785.12	0.10226	1.37E-01	1.44E-01	1.57E-01
874	490486.72	3860785.12	0.10499	1.41E-01	1.48E-01	1.61E-01
875	490536.72	3860785.12	0.10692	1.43E-01	1.50E-01	1.64E-01
876	490586.72	3860785.12	0.1084	1.45E-01	1.53E-01	1.66E-01
877	490636.72	3860785.12	0.11072	1.48E-01	1.56E-01	1.70E-01
878	490686.72	3860785.12	0.11358	1.52E-01	1.60E-01	1.74E-01

879	490736.72	3860785.12	0.11696	1.57E-01	1.65E-01	1.79E-01
880	490086.72	3860835.12	0.08344	1.12E-01	1.17E-01	1.28E-01
881	490136.72	3860835.12	0.08534	1.14E-01	1.20E-01	1.31E-01
882	490186.72	3860835.12	0.08682	1.16E-01	1.22E-01	1.33E-01
883	490236.72	3860835.12	0.08843	1.18E-01	1.24E-01	1.35E-01
884	490286.72	3860835.12	0.09031	1.21E-01	1.27E-01	1.38E-01
885	490336.72	3860835.12	0.092	1.23E-01	1.29E-01	1.41E-01
886	490386.72	3860835.12	0.09387	1.26E-01	1.32E-01	1.44E-01
887	490436.72	3860835.12	0.09612	1.29E-01	1.35E-01	1.47E-01
888	490486.72	3860835.12	0.09832	1.32E-01	1.38E-01	1.51E-01
889	490536.72	3860835.12	0.10034	1.34E-01	1.41E-01	1.54E-01
890	490586.72	3860835.12	0.10209	1.37E-01	1.44E-01	1.56E-01
891	490636.72	3860835.12	0.10392	1.39E-01	1.46E-01	1.59E-01
892	490686.72	3860835.12	0.10628	1.42E-01	1.50E-01	1.63E-01
893	490736.72	3860835.12	0.10915	1.46E-01	1.54E-01	1.67E-01
894	490086.72	3860885.12	0.0796	1.07E-01	1.12E-01	1.22E-01
895	490136.72	3860885.12	0.08106	1.08E-01	1.14E-01	1.24E-01
896	490186.72	3860885.12	0.08248	1.10E-01	1.16E-01	1.26E-01
897	490236.72	3860885.12	0.08399	1.12E-01	1.18E-01	1.29E-01
898	490286.72	3860885.12	0.08553	1.14E-01	1.20E-01	1.31E-01
899	490336.72	3860885.12	0.087	1.16E-01	1.22E-01	1.33E-01
900	490386.72	3860885.12	0.08881	1.19E-01	1.25E-01	1.36E-01
901	490436.72	3860885.12	0.09078	1.22E-01	1.28E-01	1.39E-01
902	490486.72	3860885.12	0.09262	1.24E-01	1.30E-01	1.42E-01
903	490536.72	3860885.12	0.09438	1.26E-01	1.33E-01	1.45E-01
904	490586.72	3860885.12	0.09604	1.29E-01	1.35E-01	1.47E-01
905	490636.72	3860885.12	0.09767	1.31E-01	1.37E-01	1.50E-01
906	490686.72	3860885.12	0.09953	1.33E-01	1.40E-01	1.52E-01
907	490736.72	3860885.12	0.1016	1.36E-01	1.43E-01	1.56E-01
908	490086.72	3860935.12	0.07572	1.01E-01	1.07E-01	1.16E-01
909	490136.72	3860935.12	0.07682	1.03E-01	1.08E-01	1.18E-01
910	490186.72	3860935.12	0.07828	1.05E-01	1.10E-01	1.20E-01
911	490236.72	3860935.12	0.07972	1.07E-01	1.12E-01	1.22E-01
912	490286.72	3860935.12	0.08123	1.09E-01	1.14E-01	1.24E-01
913	490336.72	3860935.12	0.08252	1.10E-01	1.16E-01	1.26E-01
914	490386.72	3860935.12	0.08419	1.13E-01	1.18E-01	1.29E-01
915	490436.72	3860935.12	0.0859	1.15E-01	1.21E-01	1.32E-01
916	490486.72	3860935.12	0.08743	1.17E-01	1.23E-01	1.34E-01
917	490536.72	3860935.12	0.08906	1.19E-01	1.25E-01	1.36E-01
918	490586.72	3860935.12	0.09049	1.21E-01	1.27E-01	1.39E-01
919	490636.72	3860935.12	0.09192	1.23E-01	1.29E-01	1.41E-01
920	490686.72	3860935.12	0.09349	1.25E-01	1.32E-01	1.43E-01
921	490736.72	3860935.12	0.09511	1.27E-01	1.34E-01	1.46E-01
922	490786.72	3860935.12	0.09684	1.30E-01	1.36E-01	1.48E-01
923	490836.72	3860935.12	0.09901	1.33E-01	1.39E-01	1.52E-01
924	490086.72	3860985.12	0.07232	9.68E-02	1.02E-01	1.11E-01
925	490136.72	3860985.12	0.07346	9.83E-02	1.03E-01	1.12E-01
926	490186.72	3860985.12	0.0748	1.00E-01	1.05E-01	1.15E-01
927	490236.72	3860985.12	0.07585	1.02E-01	1.07E-01	1.16E-01
928	490286.72	3860985.12	0.07706	1.03E-01	1.08E-01	1.18E-01
929	490336.72	3860985.12	0.07835	1.05E-01	1.10E-01	1.20E-01
930	490386.72	3860985.12	0.07975	1.07E-01	1.12E-01	1.22E-01
931	490436.72	3860985.12	0.08142	1.09E-01	1.15E-01	1.25E-01
932	490486.72	3860985.12	0.08274	1.11E-01	1.16E-01	1.27E-01
933	490536.72	3860985.12	0.08398	1.12E-01	1.18E-01	1.29E-01
934	490586.72	3860985.12	0.08525	1.14E-01	1.20E-01	1.31E-01
935	490636.72	3860985.12	0.08668	1.16E-01	1.22E-01	1.33E-01
936	490686.72	3860985.12	0.08791	1.18E-01	1.24E-01	1.35E-01
937	490736.72	3860985.12	0.08914	1.19E-01	1.25E-01	1.36E-01
938	490786.72	3860985.12	0.09058	1.21E-01	1.27E-01	1.39E-01
939	490836.72	3860985.12	0.09225	1.23E-01	1.30E-01	1.41E-01
940	490086.72	3861035.12	0.06909	9.25E-02	9.72E-02	1.06E-01
941	490136.72	3861035.12	0.07016	9.39E-02	9.87E-02	1.07E-01

942	490186.72	3861035.12	0.0712	9.53E-02	1.00E-01	1.09E-01
943	490236.72	3861035.12	0.07236	9.68E-02	1.02E-01	1.11E-01
944	490286.72	3861035.12	0.07332	9.81E-02	1.03E-01	1.12E-01
945	490336.72	3861035.12	0.07437	9.95E-02	1.05E-01	1.14E-01
946	490386.72	3861035.12	0.07578	1.01E-01	1.07E-01	1.16E-01
947	490436.72	3861035.12	0.07722	1.03E-01	1.09E-01	1.18E-01
948	490486.72	3861035.12	0.07842	1.05E-01	1.10E-01	1.20E-01
949	490536.72	3861035.12	0.07951	1.06E-01	1.12E-01	1.22E-01
950	490586.72	3861035.12	0.08056	1.08E-01	1.13E-01	1.23E-01
951	490636.72	3861035.12	0.08159	1.09E-01	1.15E-01	1.25E-01
952	490686.72	3861035.12	0.08262	1.11E-01	1.16E-01	1.27E-01
953	490736.72	3861035.12	0.08368	1.12E-01	1.18E-01	1.28E-01
954	490786.72	3861035.12	0.08491	1.14E-01	1.19E-01	1.30E-01
955	490836.72	3861035.12	0.08621	1.15E-01	1.21E-01	1.32E-01
956	490086.72	3861085.12	0.06608	8.84E-02	9.30E-02	1.01E-01
957	490136.72	3861085.12	0.06719	8.99E-02	9.45E-02	1.03E-01
958	490186.72	3861085.12	0.06837	9.15E-02	9.62E-02	1.05E-01
959	490236.72	3861085.12	0.06916	9.26E-02	9.73E-02	1.06E-01
960	490286.72	3861085.12	0.07001	9.37E-02	9.85E-02	1.07E-01
961	490336.72	3861085.12	0.07089	9.49E-02	9.97E-02	1.09E-01
962	490386.72	3861085.12	0.07208	9.65E-02	1.01E-01	1.10E-01
963	490436.72	3861085.12	0.07314	9.79E-02	1.03E-01	1.12E-01
964	490486.72	3861085.12	0.07419	9.93E-02	1.04E-01	1.14E-01
965	490536.72	3861085.12	0.07537	1.01E-01	1.06E-01	1.15E-01
966	490586.72	3861085.12	0.07622	1.02E-01	1.07E-01	1.17E-01
967	490636.72	3861085.12	0.0769	1.03E-01	1.08E-01	1.18E-01
968	490686.72	3861085.12	0.07774	1.04E-01	1.09E-01	1.19E-01
969	490736.72	3861085.12	0.07871	1.05E-01	1.11E-01	1.21E-01
970	490786.72	3861085.12	0.0797	1.07E-01	1.12E-01	1.22E-01
971	490836.72	3861085.12	0.08072	1.08E-01	1.14E-01	1.24E-01
972	490086.72	3861135.12	0.06322	8.46E-02	8.90E-02	9.68E-02
973	490136.72	3861135.12	0.06415	8.59E-02	9.03E-02	9.82E-02
974	490186.72	3861135.12	0.06515	8.72E-02	9.17E-02	9.98E-02
975	490236.72	3861135.12	0.06608	8.84E-02	9.30E-02	1.01E-01
976	490286.72	3861135.12	0.06691	8.96E-02	9.41E-02	1.02E-01
977	490336.72	3861135.12	0.06768	9.06E-02	9.52E-02	1.04E-01
978	490386.72	3861135.12	0.06859	9.18E-02	9.65E-02	1.05E-01
979	490436.72	3861135.12	0.06945	9.30E-02	9.77E-02	1.06E-01
980	490486.72	3861135.12	0.07037	9.42E-02	9.90E-02	1.08E-01
981	490536.72	3861135.12	0.07127	9.54E-02	1.00E-01	1.09E-01
982	490586.72	3861135.12	0.07205	9.64E-02	1.01E-01	1.10E-01
983	490636.72	3861135.12	0.07266	9.72E-02	1.02E-01	1.11E-01
984	490686.72	3861135.12	0.07344	9.83E-02	1.03E-01	1.12E-01
985	490736.72	3861135.12	0.07429	9.94E-02	1.05E-01	1.14E-01
986	490786.72	3861135.12	0.07513	1.01E-01	1.06E-01	1.15E-01
987	490836.72	3861135.12	0.07595	1.02E-01	1.07E-01	1.16E-01
988	490086.72	3861185.12	0.06052	8.10E-02	8.52E-02	9.27E-02
989	490136.72	3861185.12	0.06115	8.18E-02	8.60E-02	9.36E-02
990	490186.72	3861185.12	0.06196	8.29E-02	8.72E-02	9.49E-02
991	490236.72	3861185.12	0.06282	8.41E-02	8.84E-02	9.62E-02
992	490286.72	3861185.12	0.06379	8.54E-02	8.98E-02	9.77E-02
993	490336.72	3861185.12	0.06424	8.60E-02	9.04E-02	9.84E-02
994	490386.72	3861185.12	0.06505	8.71E-02	9.15E-02	9.96E-02
995	490436.72	3861185.12	0.06598	8.83E-02	9.28E-02	1.01E-01
996	490486.72	3861185.12	0.06673	8.93E-02	9.39E-02	1.02E-01
997	490536.72	3861185.12	0.06779	9.07E-02	9.54E-02	1.04E-01
998	490586.72	3861185.12	0.06837	9.15E-02	9.62E-02	1.05E-01
999	490636.72	3861185.12	0.06872	9.20E-02	9.67E-02	1.05E-01
1000	490686.72	3861185.12	0.06939	9.29E-02	9.76E-02	1.06E-01
1001	490736.72	3861185.12	0.07029	9.41E-02	9.89E-02	1.08E-01
1002	490786.72	3861185.12	0.07111	9.52E-02	1.00E-01	1.09E-01
1003	490836.72	3861185.12	0.07187	9.62E-02	1.01E-01	1.10E-01
1004	490086.72	3861235.12	0.05792	7.75E-02	8.15E-02	8.87E-02

1005	490136.72	3861235.12	0.05851	7.83E-02	8.23E-02	8.96E-02
1006	490186.72	3861235.12	0.05925	7.93E-02	8.34E-02	9.07E-02
1007	490236.72	3861235.12	0.05982	8.01E-02	8.42E-02	9.16E-02
1008	490386.72	3861235.12	0.06176	8.27E-02	8.69E-02	9.46E-02
1009	490436.72	3861235.12	0.06237	8.35E-02	8.78E-02	9.55E-02
1010	490486.72	3861235.12	0.06304	8.44E-02	8.87E-02	9.65E-02
1011	490536.72	3861235.12	0.06419	8.59E-02	9.03E-02	9.83E-02
1012	490586.72	3861235.12	0.06512	8.72E-02	9.16E-02	9.97E-02
1013	490636.72	3861235.12	0.06515	8.72E-02	9.17E-02	9.98E-02
1014	490686.72	3861235.12	0.0658	8.81E-02	9.26E-02	1.01E-01
1015	490736.72	3861235.12	0.06664	8.92E-02	9.38E-02	1.02E-01
1016	490786.72	3861235.12	0.06751	9.04E-02	9.50E-02	1.03E-01
1017	490836.72	3861235.12	0.06821	9.13E-02	9.60E-02	1.04E-01
1018	490086.72	3861285.12	0.05567	7.45E-02	7.83E-02	8.52E-02
1019	490136.72	3861285.12	0.05639	7.55E-02	7.93E-02	8.63E-02
1020	490186.72	3861285.12	0.05676	7.60E-02	7.99E-02	8.69E-02
1021	490236.72	3861285.12	0.05726	7.66E-02	8.06E-02	8.77E-02
1022	490386.72	3861285.12	0.05889	7.88E-02	8.29E-02	9.02E-02
1023	490436.72	3861285.12	0.05956	7.97E-02	8.38E-02	9.12E-02
1024	490486.72	3861285.12	0.06006	8.04E-02	8.45E-02	9.20E-02
1025	490536.72	3861285.12	0.06071	8.13E-02	8.54E-02	9.30E-02
1026	490586.72	3861285.12	0.06146	8.23E-02	8.65E-02	9.41E-02
1027	490636.72	3861285.12	0.06181	8.27E-02	8.70E-02	9.46E-02
1028	490686.72	3861285.12	0.06245	8.36E-02	8.79E-02	9.56E-02
1029	490736.72	3861285.12	0.06345	8.49E-02	8.93E-02	9.72E-02
1030	490786.72	3861285.12	0.06409	8.58E-02	9.02E-02	9.81E-02
1031	490836.72	3861285.12	0.06459	8.64E-02	9.09E-02	9.89E-02
1032	490061.24	3859716.13	0.6734	9.01E-01	9.48E-01	1.03E+00
1033	490111.24	3859716.13	0.76961	1.03E+00	1.08E+00	1.18E+00
1034	490161.24	3859716.13	0.89104	1.19E+00	1.25E+00	1.36E+00
1035	490211.24	3859716.13	1.04777	1.40E+00	1.47E+00	1.60E+00
1036	490061.24	3859766.13	0.53102	7.11E-01	7.47E-01	8.13E-01
1037	490111.24	3859766.13	0.5851	7.83E-01	8.23E-01	8.96E-01
1038	490161.24	3859766.13	0.64785	8.67E-01	9.12E-01	9.92E-01
1039	490211.24	3859766.13	0.72628	9.72E-01	1.02E+00	1.11E+00
1040	490061.24	3859816.13	0.43755	5.86E-01	6.16E-01	6.70E-01
1041	490111.24	3859816.13	0.47206	6.32E-01	6.64E-01	7.23E-01
1042	490161.24	3859816.13	0.5124	6.86E-01	7.21E-01	7.85E-01
1043	490211.24	3859816.13	0.55833	7.47E-01	7.86E-01	8.55E-01
1044	490061.24	3859866.13	0.37148	4.97E-01	5.23E-01	5.69E-01
1045	490111.24	3859866.13	0.39669	5.31E-01	5.58E-01	6.07E-01
1046	490161.24	3859866.13	0.42528	5.69E-01	5.98E-01	6.51E-01
1047	490211.24	3859866.13	0.45719	6.12E-01	6.43E-01	7.00E-01
1048	490061.24	3859916.13	0.32192	4.31E-01	4.53E-01	4.93E-01
1049	490111.24	3859916.13	0.3417	4.57E-01	4.81E-01	5.23E-01
1050	490161.24	3859916.13	0.36271	4.85E-01	5.10E-01	5.55E-01
1051	490211.24	3859916.13	0.38523	5.16E-01	5.42E-01	5.90E-01
1052	490229.25	3859815.26	0.58153	7.78E-01	8.18E-01	8.90E-01
1053	490279.25	3859815.26	0.63814	8.54E-01	8.98E-01	9.77E-01
1054	490329.25	3859815.26	0.70605	9.45E-01	9.93E-01	1.08E+00
1055	490379.25	3859815.26	0.80314	1.07E+00	1.13E+00	1.23E+00
1056	490429.25	3859815.26	0.94278	1.26E+00	1.33E+00	1.44E+00
1057	490229.25	3859865.26	0.47116	6.31E-01	6.63E-01	7.21E-01
1058	490279.25	3859865.26	0.50745	6.79E-01	7.14E-01	7.77E-01
1059	490329.25	3859865.26	0.5487	7.34E-01	7.72E-01	8.40E-01
1060	490379.25	3859865.26	0.60073	8.04E-01	8.45E-01	9.20E-01
1061	490429.25	3859865.26	0.66662	8.92E-01	9.38E-01	1.02E+00
1062	490229.25	3859915.26	0.39557	5.29E-01	5.57E-01	6.06E-01
1063	490279.25	3859915.26	0.42003	5.62E-01	5.91E-01	6.43E-01
1064	490329.25	3859915.26	0.44879	6.01E-01	6.31E-01	6.87E-01
1065	490379.25	3859915.26	0.48238	6.46E-01	6.79E-01	7.39E-01
1066	490429.25	3859915.26	0.5205	6.97E-01	7.32E-01	7.97E-01
1067	490451.43	3859872.59	0.66976	8.96E-01	9.42E-01	1.03E+00

1068	490501.43	3859872.59	0.76049	1.02E+00	1.07E+00	1.16E+00
1069	490551.43	3859872.59	0.89365	1.20E+00	1.26E+00	1.37E+00
1070	490601.43	3859872.59	1.07542	1.44E+00	1.51E+00	1.65E+00
1071	490451.43	3859922.59	0.523	7.00E-01	7.36E-01	8.01E-01
1072	490501.43	3859922.59	0.57284	7.67E-01	8.06E-01	8.77E-01
1073	490551.43	3859922.59	0.64193	8.59E-01	9.03E-01	9.83E-01
1074	490601.43	3859922.59	0.73335	9.82E-01	1.03E+00	1.12E+00
1075	482129.67	3852241.07	1.10505	1.48E+00	1.55E+00	1.69E+00
1076	482029.67	3852291.07	1.79745	2.41E+00	2.53E+00	2.75E+00
1077	482079.67	3852291.07	1.47808	1.98E+00	2.08E+00	2.26E+00
1078	482129.67	3852291.07	1.25538	1.68E+00	1.77E+00	1.92E+00
1079	482179.67	3852291.07	1.08179	1.45E+00	1.52E+00	1.66E+00
1080	482229.67	3852291.07	0.93034	1.25E+00	1.31E+00	1.42E+00
1081	482029.67	3852341.07	2.25956	3.02E+00	3.18E+00	3.46E+00
1082	482079.67	3852341.07	1.78007	2.38E+00	2.50E+00	2.73E+00
1083	482129.67	3852341.07	1.46491	1.96E+00	2.06E+00	2.24E+00
1084	482179.67	3852341.07	1.24136	1.66E+00	1.75E+00	1.90E+00
1085	482259.06	3852400.14	1.17493	1.57E+00	1.65E+00	1.80E+00
1086	482309.06	3852400.14	1.00504	1.35E+00	1.41E+00	1.54E+00
1087	482209.06	3852450.14	1.58837	2.13E+00	2.23E+00	2.43E+00
1088	482259.06	3852450.14	1.34836	1.80E+00	1.90E+00	2.06E+00
1089	482309.06	3852450.14	1.1563	1.55E+00	1.63E+00	1.77E+00
1090	482209.06	3852500.14	1.92324	2.57E+00	2.71E+00	2.94E+00
1091	482259.06	3852500.14	1.59173	2.13E+00	2.24E+00	2.44E+00
1092	482309.06	3852500.14	1.3348	1.79E+00	1.88E+00	2.04E+00
1093	482283.91	3852513.62	1.52508	2.04E+00	2.15E+00	2.34E+00
1094	482333.91	3852513.62	1.28544	1.72E+00	1.81E+00	1.97E+00
1095	482283.91	3852563.62	1.82517	2.44E+00	2.57E+00	2.79E+00
1096	482333.91	3852563.62	1.51145	2.02E+00	2.13E+00	2.31E+00
1097	482383.91	3852563.62	1.28004	1.71E+00	1.80E+00	1.96E+00
1098	482283.91	3852613.62	2.34878	3.14E+00	3.30E+00	3.60E+00
1099	482333.91	3852613.62	1.82213	2.44E+00	2.56E+00	2.79E+00
1100	482383.91	3852613.62	1.49429	2.00E+00	2.10E+00	2.29E+00
1101	482602.38	3852600.87	0.77725	1.04E+00	1.09E+00	1.19E+00
1102	482652.38	3852600.87	0.70848	9.48E-01	9.97E-01	1.08E+00
1103	482702.38	3852600.87	0.62409	8.35E-01	8.78E-01	9.56E-01
1104	482552.38	3852650.87	1.00115	1.34E+00	1.41E+00	1.53E+00
1105	482602.38	3852650.87	0.86739	1.16E+00	1.22E+00	1.33E+00
1106	482652.38	3852650.87	0.78491	1.05E+00	1.10E+00	1.20E+00
1107	482702.38	3852650.87	0.71714	9.60E-01	1.01E+00	1.10E+00
1108	482552.38	3852700.87	1.13382	1.52E+00	1.60E+00	1.74E+00
1109	482602.38	3852700.87	1	1.34E+00	1.41E+00	1.53E+00
1110	482652.38	3852700.87	0.90504	1.21E+00	1.27E+00	1.39E+00
1111	482702.38	3852700.87	0.81381	1.09E+00	1.15E+00	1.25E+00
1112	482452.38	3852750.87	1.95845	2.62E+00	2.76E+00	3.00E+00
1113	482521.29	3852749.74	1.45575	1.95E+00	2.05E+00	2.23E+00
1114	482571.29	3852749.74	1.23329	1.65E+00	1.74E+00	1.89E+00
1115	482521.29	3852799.74	1.76172	2.36E+00	2.48E+00	2.70E+00
1116	482571.29	3852799.74	1.44422	1.93E+00	2.03E+00	2.21E+00
1117	482621.29	3852799.74	1.22536	1.64E+00	1.72E+00	1.88E+00
1118	482571.29	3852849.74	1.73938	2.33E+00	2.45E+00	2.66E+00
1119	482621.29	3852849.74	1.42659	1.91E+00	2.01E+00	2.18E+00
1120	482577.42	3852901.55	2.13856	2.86E+00	3.01E+00	3.27E+00
1121	482627.42	3852901.55	1.68152	2.25E+00	2.37E+00	2.57E+00
1122	482629.96	3852955.85	2.08434	2.79E+00	2.93E+00	3.19E+00
1123	482679.96	3852955.85	1.62622	2.18E+00	2.29E+00	2.49E+00
1124	482781.63	3853034.48	1.31689	1.76E+00	1.85E+00	2.02E+00
1125	482831.63	3853034.48	1.09985	1.47E+00	1.55E+00	1.68E+00
1126	482881.63	3853034.48	0.9367	1.25E+00	1.32E+00	1.43E+00
1127	482781.63	3853084.48	1.45046	1.94E+00	2.04E+00	2.22E+00
1128	482831.63	3853084.48	1.19093	1.59E+00	1.68E+00	1.82E+00
1129	482881.63	3853084.48	1.01102	1.35E+00	1.42E+00	1.55E+00
1130	482781.63	3853134.48	1.6213	2.17E+00	2.28E+00	2.48E+00

1131	482831.63	3853134.48	1.30017	1.74E+00	1.83E+00	1.99E+00
1132	482881.63	3853134.48	1.09362	1.46E+00	1.54E+00	1.67E+00
1133	482831.63	3853184.48	1.44119	1.93E+00	2.03E+00	2.21E+00
1134	482881.63	3853184.48	1.18361	1.58E+00	1.67E+00	1.81E+00
1135	484154.84	3854250.98	0.0582	7.79E-02	8.19E-02	8.91E-02
1136	484204.84	3854250.98	0.05765	7.72E-02	8.11E-02	8.83E-02
1137	484154.84	3854300.98	0.05498	7.36E-02	7.74E-02	8.42E-02
1138	484204.84	3854300.98	0.05481	7.34E-02	7.71E-02	8.39E-02
1139	484074.19	3854519.8	0.04588	6.14E-02	6.46E-02	7.03E-02
1140	484124.19	3854519.8	0.04553	6.09E-02	6.41E-02	6.97E-02
1141	484074.19	3854569.8	0.04414	5.91E-02	6.21E-02	6.76E-02
1142	484124.19	3854569.8	0.04351	5.82E-02	6.12E-02	6.66E-02
1143	485205.11	3855188.89	0.03685	4.93E-02	5.19E-02	5.64E-02
1144	485255.11	3855188.89	0.03637	4.87E-02	5.12E-02	5.57E-02
1145	485205.11	3855238.89	0.03621	4.85E-02	5.09E-02	5.54E-02
1146	485255.11	3855238.89	0.03602	4.82E-02	5.07E-02	5.52E-02
1147	485205.11	3855288.89	0.03624	4.85E-02	5.10E-02	5.55E-02
1148	485255.11	3855288.89	0.03597	4.81E-02	5.06E-02	5.51E-02
1149	485255.11	3855338.89	0.03581	4.79E-02	5.04E-02	5.48E-02
1150	485305.11	3855338.89	0.03556	4.76E-02	5.00E-02	5.44E-02
1151	485852.5	3855635.28	0.03216	4.30E-02	4.53E-02	4.92E-02
1152	485902.5	3855635.28	0.03186	4.26E-02	4.48E-02	4.88E-02
1153	485852.5	3855685.28	0.03192	4.27E-02	4.49E-02	4.89E-02
1154	485902.5	3855685.28	0.03164	4.23E-02	4.45E-02	4.84E-02
1155	485852.5	3855735.28	0.03166	4.24E-02	4.45E-02	4.85E-02
1156	485902.5	3855735.28	0.03148	4.21E-02	4.43E-02	4.82E-02
1157	485852.5	3855785.28	0.03144	4.21E-02	4.42E-02	4.81E-02
1158	485902.5	3855785.28	0.03121	4.18E-02	4.39E-02	4.78E-02
1159	486809.46	3856465.28	0.02724	3.65E-02	3.83E-02	4.17E-02
1160	486859.46	3856465.28	0.0272	3.64E-02	3.83E-02	4.16E-02
1161	486909.46	3856465.28	0.02712	3.63E-02	3.82E-02	4.15E-02
1162	486809.46	3856515.28	0.02723	3.64E-02	3.83E-02	4.17E-02
1163	486859.46	3856515.28	0.02725	3.65E-02	3.83E-02	4.17E-02
1164	486909.46	3856515.28	0.02721	3.64E-02	3.83E-02	4.17E-02
1165	486980.94	3856357.95	0.02703	3.62E-02	3.80E-02	4.14E-02
1166	487030.94	3856357.95	0.02701	3.62E-02	3.80E-02	4.14E-02
1167	486980.94	3856407.95	0.02704	3.62E-02	3.80E-02	4.14E-02
1168	487030.94	3856407.95	0.02699	3.61E-02	3.80E-02	4.13E-02
1169	487447.18	3856437.45	0.02712	3.63E-02	3.82E-02	4.15E-02
1170	487497.18	3856437.45	0.02718	3.64E-02	3.82E-02	4.16E-02
1171	487547.18	3856437.45	0.02725	3.65E-02	3.83E-02	4.17E-02
1172	487447.18	3856487.45	0.02708	3.62E-02	3.81E-02	4.15E-02
1173	487497.18	3856487.45	0.02714	3.63E-02	3.82E-02	4.16E-02
1174	487547.18	3856487.45	0.02721	3.64E-02	3.83E-02	4.17E-02
1175	487447.18	3856537.45	0.02706	3.62E-02	3.81E-02	4.14E-02
1176	487497.18	3856537.45	0.02711	3.63E-02	3.81E-02	4.15E-02
1177	487547.18	3856537.45	0.0272	3.64E-02	3.83E-02	4.16E-02
1178	489285.89	3858826.54	0.3542	4.74E-01	4.98E-01	5.42E-01
1179	489335.89	3858826.54	0.34404	4.60E-01	4.84E-01	5.27E-01
1180	489385.89	3858826.54	0.33321	4.46E-01	4.69E-01	5.10E-01
1181	489435.89	3858826.54	0.32285	4.32E-01	4.54E-01	4.94E-01
1182	489485.89	3858826.54	0.31278	4.19E-01	4.40E-01	4.79E-01
1183	489535.89	3858826.54	0.30309	4.06E-01	4.26E-01	4.64E-01
1184	489585.89	3858826.54	0.29395	3.93E-01	4.14E-01	4.50E-01
1185	489635.89	3858826.54	0.28504	3.82E-01	4.01E-01	4.36E-01
1186	489685.89	3858826.54	0.27657	3.70E-01	3.89E-01	4.23E-01
1187	489735.89	3858826.54	0.26869	3.60E-01	3.78E-01	4.11E-01
1188	489785.89	3858826.54	0.2617	3.50E-01	3.68E-01	4.01E-01
1189	489835.89	3858826.54	0.25448	3.41E-01	3.58E-01	3.90E-01
1190	489885.89	3858826.54	0.24842	3.32E-01	3.50E-01	3.80E-01
1191	489935.89	3858826.54	0.24219	3.24E-01	3.41E-01	3.71E-01
1192	489985.89	3858826.54	0.23574	3.16E-01	3.32E-01	3.61E-01
1193	490035.89	3858826.54	0.22703	3.04E-01	3.19E-01	3.48E-01

1194	489285.89	3858876.54	0.50465	6.75E-01	7.10E-01	7.73E-01
1195	489335.89	3858876.54	0.47394	6.34E-01	6.67E-01	7.26E-01
1196	489385.89	3858876.54	0.44717	5.99E-01	6.29E-01	6.85E-01
1197	489435.89	3858876.54	0.42345	5.67E-01	5.96E-01	6.48E-01
1198	489485.89	3858876.54	0.4024	5.39E-01	5.66E-01	6.16E-01
1199	489535.89	3858876.54	0.38328	5.13E-01	5.39E-01	5.87E-01
1200	489585.89	3858876.54	0.36569	4.89E-01	5.15E-01	5.60E-01
1201	489635.89	3858876.54	0.35045	4.69E-01	4.93E-01	5.37E-01
1202	489685.89	3858876.54	0.33636	4.50E-01	4.73E-01	5.15E-01
1203	489735.89	3858876.54	0.3233	4.33E-01	4.55E-01	4.95E-01
1204	489785.89	3858876.54	0.31208	4.18E-01	4.39E-01	4.78E-01
1205	489835.89	3858876.54	0.30132	4.03E-01	4.24E-01	4.61E-01
1206	489885.89	3858876.54	0.29229	3.91E-01	4.11E-01	4.48E-01
1207	489935.89	3858876.54	0.28283	3.79E-01	3.98E-01	4.33E-01
1208	489985.89	3858876.54	0.27311	3.66E-01	3.84E-01	4.18E-01
1209	490035.89	3858876.54	0.26243	3.51E-01	3.69E-01	4.02E-01
1210	489285.89	3858926.54	0.70778	9.47E-01	9.96E-01	1.08E+00
1211	489335.89	3858926.54	0.64446	8.63E-01	9.07E-01	9.87E-01
1212	489385.89	3858926.54	0.592	7.92E-01	8.33E-01	9.06E-01
1213	489435.89	3858926.54	0.5487	7.34E-01	7.72E-01	8.40E-01
1214	489485.89	3858926.54	0.51186	6.85E-01	7.20E-01	7.84E-01
1215	489535.89	3858926.54	0.48017	6.43E-01	6.76E-01	7.35E-01
1216	489585.89	3858926.54	0.4523	6.05E-01	6.36E-01	6.93E-01
1217	489635.89	3858926.54	0.42792	5.73E-01	6.02E-01	6.55E-01
1218	489685.89	3858926.54	0.40609	5.44E-01	5.71E-01	6.22E-01
1219	489735.89	3858926.54	0.38732	5.18E-01	5.45E-01	5.93E-01
1220	489785.89	3858926.54	0.37042	4.96E-01	5.21E-01	5.67E-01
1221	489835.89	3858926.54	0.3547	4.75E-01	4.99E-01	5.43E-01
1222	489885.89	3858926.54	0.34131	4.57E-01	4.80E-01	5.23E-01
1223	489935.89	3858926.54	0.32852	4.40E-01	4.62E-01	5.03E-01
1224	489985.89	3858926.54	0.31601	4.23E-01	4.45E-01	4.84E-01
1225	490035.89	3858926.54	0.29996	4.01E-01	4.22E-01	4.59E-01
1226	489335.89	3858976.54	0.8625	1.15E+00	1.21E+00	1.32E+00
1227	489385.89	3858976.54	0.77393	1.04E+00	1.09E+00	1.19E+00
1228	489435.89	3858976.54	0.70383	9.42E-01	9.90E-01	1.08E+00
1229	489485.89	3858976.54	0.64523	8.64E-01	9.08E-01	9.88E-01
1230	489535.89	3858976.54	0.59603	7.98E-01	8.39E-01	9.13E-01
1231	489585.89	3858976.54	0.55526	7.43E-01	7.81E-01	8.50E-01
1232	489635.89	3858976.54	0.51968	6.96E-01	7.31E-01	7.96E-01
1233	489685.89	3858976.54	0.48824	6.53E-01	6.87E-01	7.48E-01
1234	489735.89	3858976.54	0.46136	6.17E-01	6.49E-01	7.06E-01
1235	489785.89	3858976.54	0.4381	5.86E-01	6.16E-01	6.71E-01
1236	489835.89	3858976.54	0.41711	5.58E-01	5.87E-01	6.39E-01
1237	489885.89	3858976.54	0.39679	5.31E-01	5.58E-01	6.08E-01
1238	489935.89	3858976.54	0.37938	5.08E-01	5.34E-01	5.81E-01
1239	489985.89	3858976.54	0.36332	4.86E-01	5.11E-01	5.56E-01
1240	490035.89	3858976.54	0.33843	4.53E-01	4.76E-01	5.18E-01
1241	489385.89	3859026.54	1.00813	1.35E+00	1.42E+00	1.54E+00
1242	489435.89	3859026.54	0.89771	1.20E+00	1.26E+00	1.37E+00
1243	489485.89	3859026.54	0.8097	1.08E+00	1.14E+00	1.24E+00
1244	489535.89	3859026.54	0.7383	9.88E-01	1.04E+00	1.13E+00
1245	489585.89	3859026.54	0.67842	9.08E-01	9.55E-01	1.04E+00
1246	489635.89	3859026.54	0.62876	8.42E-01	8.85E-01	9.63E-01
1247	489685.89	3859026.54	0.58606	7.84E-01	8.25E-01	8.97E-01
1248	489735.89	3859026.54	0.54955	7.36E-01	7.73E-01	8.41E-01
1249	489785.89	3859026.54	0.51731	6.92E-01	7.28E-01	7.92E-01
1250	489835.89	3859026.54	0.4877	6.53E-01	6.86E-01	7.47E-01
1251	489885.89	3859026.54	0.46166	6.18E-01	6.50E-01	7.07E-01
1252	489935.89	3859026.54	0.43792	5.86E-01	6.16E-01	6.71E-01
1253	489985.89	3859026.54	0.41638	5.57E-01	5.86E-01	6.38E-01
1254	490035.89	3859026.54	0.38369	5.14E-01	5.40E-01	5.88E-01
1255	489485.89	3859076.54	1.02439	1.37E+00	1.44E+00	1.57E+00
1256	489535.89	3859076.54	0.91892	1.23E+00	1.29E+00	1.41E+00

1257	489585.89	3859076.54	0.83338	1.12E+00	1.17E+00	1.28E+00
1258	489635.89	3859076.54	0.76399	1.02E+00	1.07E+00	1.17E+00
1259	489685.89	3859076.54	0.7053	9.44E-01	9.92E-01	1.08E+00
1260	489735.89	3859076.54	0.65509	8.77E-01	9.22E-01	1.00E+00
1261	489785.89	3859076.54	0.61159	8.19E-01	8.61E-01	9.36E-01
1262	489835.89	3859076.54	0.57264	7.66E-01	8.06E-01	8.77E-01
1263	489885.89	3859076.54	0.53815	7.20E-01	7.57E-01	8.24E-01
1264	489935.89	3859076.54	0.508	6.80E-01	7.15E-01	7.78E-01
1265	489985.89	3859076.54	0.47925	6.41E-01	6.74E-01	7.34E-01
1266	490035.89	3859076.54	0.44104	5.90E-01	6.21E-01	6.75E-01
1267	489585.89	3859126.54	1.04146	1.39E+00	1.47E+00	1.59E+00
1268	489635.89	3859126.54	0.9397	1.26E+00	1.32E+00	1.44E+00
1269	489685.89	3859126.54	0.85567	1.15E+00	1.20E+00	1.31E+00
1270	489735.89	3859126.54	0.78566	1.05E+00	1.11E+00	1.20E+00
1271	489785.89	3859126.54	0.72653	9.72E-01	1.02E+00	1.11E+00
1272	489835.89	3859126.54	0.67462	9.03E-01	9.49E-01	1.03E+00
1273	489885.89	3859126.54	0.62852	8.41E-01	8.84E-01	9.62E-01
1274	489935.89	3859126.54	0.58928	7.89E-01	8.29E-01	9.02E-01
1275	489985.89	3859126.54	0.5494	7.35E-01	7.73E-01	8.41E-01
1276	490035.89	3859126.54	0.50862	6.81E-01	7.16E-01	7.79E-01
1277	489585.89	3859176.54	1.34158	1.80E+00	1.89E+00	2.05E+00
1278	489635.89	3859176.54	1.1817	1.58E+00	1.66E+00	1.81E+00
1279	489685.89	3859176.54	1.05665	1.41E+00	1.49E+00	1.62E+00
1280	489735.89	3859176.54	0.95582	1.28E+00	1.34E+00	1.46E+00
1281	489785.89	3859176.54	0.87137	1.17E+00	1.23E+00	1.33E+00
1282	489835.89	3859176.54	0.80095	1.07E+00	1.13E+00	1.23E+00
1283	489885.89	3859176.54	0.73983	9.90E-01	1.04E+00	1.13E+00
1284	489935.89	3859176.54	0.68749	9.20E-01	9.67E-01	1.05E+00
1285	489985.89	3859176.54	0.63622	8.52E-01	8.95E-01	9.74E-01
1286	490035.89	3859176.54	0.59671	7.99E-01	8.40E-01	9.14E-01
1287	489685.89	3859226.54	1.34418	1.80E+00	1.89E+00	2.06E+00
1288	489735.89	3859226.54	1.18869	1.59E+00	1.67E+00	1.82E+00
1289	489785.89	3859226.54	1.06468	1.42E+00	1.50E+00	1.63E+00
1290	489835.89	3859226.54	0.96279	1.29E+00	1.35E+00	1.47E+00
1291	489885.89	3859226.54	0.87904	1.18E+00	1.24E+00	1.35E+00
1292	489935.89	3859226.54	0.80812	1.08E+00	1.14E+00	1.24E+00
1293	489985.89	3859226.54	0.7377	9.87E-01	1.04E+00	1.13E+00
1294	490035.89	3859226.54	0.68816	9.21E-01	9.68E-01	1.05E+00
1295	489735.89	3859276.54	1.54006	2.06E+00	2.17E+00	2.36E+00
1296	489785.89	3859276.54	1.34109	1.79E+00	1.89E+00	2.05E+00
1297	489835.89	3859276.54	1.18628	1.59E+00	1.67E+00	1.82E+00
1298	489885.89	3859276.54	1.06497	1.43E+00	1.50E+00	1.63E+00
1299	489935.89	3859276.54	0.96355	1.29E+00	1.36E+00	1.48E+00
1300	489985.89	3859276.54	0.86527	1.16E+00	1.22E+00	1.32E+00
1301	490035.89	3859276.54	0.80623	1.08E+00	1.13E+00	1.23E+00
1302	490458.06	3859590.74	1.36305	1.82E+00	1.92E+00	2.09E+00
1303	490508.06	3859590.74	1.21831	1.63E+00	1.71E+00	1.87E+00
1304	490558.06	3859590.74	1.08122	1.45E+00	1.52E+00	1.66E+00
1305	490608.06	3859590.74	0.97303	1.30E+00	1.37E+00	1.49E+00
1306	490658.06	3859590.74	0.8805	1.18E+00	1.24E+00	1.35E+00
1307	490708.06	3859590.74	0.80068	1.07E+00	1.13E+00	1.23E+00
1308	490758.06	3859590.74	0.72659	9.72E-01	1.02E+00	1.11E+00
1309	490808.06	3859590.74	0.66942	8.96E-01	9.42E-01	1.03E+00
1310	490858.06	3859590.74	0.6161	8.25E-01	8.67E-01	9.43E-01
1311	490458.06	3859640.74	1.90363	2.55E+00	2.68E+00	2.91E+00
1312	490508.06	3859640.74	1.65127	2.21E+00	2.32E+00	2.53E+00
1313	490558.06	3859640.74	1.44847	1.94E+00	2.04E+00	2.22E+00
1314	490608.06	3859640.74	1.26526	1.69E+00	1.78E+00	1.94E+00
1315	490658.06	3859640.74	1.10233	1.48E+00	1.55E+00	1.69E+00
1316	490708.06	3859640.74	0.98529	1.32E+00	1.39E+00	1.51E+00
1317	490758.06	3859640.74	0.88306	1.18E+00	1.24E+00	1.35E+00
1318	490808.06	3859640.74	0.80957	1.08E+00	1.14E+00	1.24E+00
1319	490858.06	3859640.74	0.74601	9.98E-01	1.05E+00	1.14E+00

1320	490608.06	3859690.74	1.75914	2.35E+00	2.48E+00	2.69E+00
1321	490658.06	3859690.74	1.47592	1.98E+00	2.08E+00	2.26E+00
1322	490708.06	3859690.74	1.27378	1.70E+00	1.79E+00	1.95E+00
1323	490758.06	3859690.74	1.11273	1.49E+00	1.57E+00	1.70E+00
1324	490808.06	3859690.74	0.99674	1.33E+00	1.40E+00	1.53E+00
1325	490858.06	3859690.74	0.92432	1.24E+00	1.30E+00	1.42E+00
1326	490708.06	3859740.74	1.8443	2.47E+00	2.60E+00	2.82E+00
1327	490758.06	3859740.74	1.57301	2.11E+00	2.21E+00	2.41E+00
1328	490808.06	3859740.74	1.35912	1.82E+00	1.91E+00	2.08E+00
1329	490858.06	3859740.74	1.20961	1.62E+00	1.70E+00	1.85E+00
1330	490786.56	3859749.39	1.54974	2.07E+00	2.18E+00	2.37E+00
1331	490836.56	3859749.39	1.33868	1.79E+00	1.88E+00	2.05E+00
1332	490786.56	3859799.39	2.42922	3.25E+00	3.42E+00	3.72E+00
1333	490836.56	3859799.39	1.99688	2.67E+00	2.81E+00	3.06E+00
1334	492307.84	3854508.36	0.03	4.02E-02	4.22E-02	4.59E-02
1335	486445.7	3854753.6	0.0374	5.01E-02	5.26E-02	5.73E-02
1336	472599.75	3877830.11	0.00241	3.23E-03	3.39E-03	3.69E-03
1337	493107.48	3866840.19	0.00617	8.26E-03	8.68E-03	9.45E-03
1338	495815.79	3861662.87	0.03803	5.09E-02	5.35E-02	5.82E-02
1339	480272.33	3841389.2	0.00137	1.83E-03	1.93E-03	2.10E-03
1340	497005.18	3862813.64	0.02126	2.85E-02	2.99E-02	3.26E-02
1341	493677.33	3860302.55	0.16173	2.16E-01	2.28E-01	2.48E-01
1342	493727.33	3860302.55	0.15755	2.11E-01	2.22E-01	2.41E-01
1343	493777.33	3860302.55	0.15342	2.05E-01	2.16E-01	2.35E-01
1344	493827.33	3860302.55	0.14951	2.00E-01	2.10E-01	2.29E-01
1345	493877.33	3860302.55	0.146	1.95E-01	2.05E-01	2.24E-01
1346	493927.33	3860302.55	0.14268	1.91E-01	2.01E-01	2.18E-01
1347	493977.33	3860302.55	0.13846	1.85E-01	1.95E-01	2.12E-01
1348	494027.33	3860302.55	0.13485	1.80E-01	1.90E-01	2.06E-01
1349	493677.33	3860352.55	0.15944	2.13E-01	2.24E-01	2.44E-01
1350	493727.33	3860352.55	0.15545	2.08E-01	2.19E-01	2.38E-01
1351	493777.33	3860352.55	0.15162	2.03E-01	2.13E-01	2.32E-01
1352	493827.33	3860352.55	0.14792	1.98E-01	2.08E-01	2.26E-01
1353	493877.33	3860352.55	0.14423	1.93E-01	2.03E-01	2.21E-01
1354	493927.33	3860352.55	0.14057	1.88E-01	1.98E-01	2.15E-01
1355	493977.33	3860352.55	0.13684	1.83E-01	1.93E-01	2.10E-01
1356	494027.33	3860352.55	0.13373	1.79E-01	1.88E-01	2.05E-01
1357	493677.33	3860402.55	0.15672	2.10E-01	2.21E-01	2.40E-01
1358	493727.33	3860402.55	0.15279	2.04E-01	2.15E-01	2.34E-01
1359	493777.33	3860402.55	0.14854	1.99E-01	2.09E-01	2.27E-01
1360	493827.33	3860402.55	0.14514	1.94E-01	2.04E-01	2.22E-01
1361	493877.33	3860402.55	0.14171	1.90E-01	1.99E-01	2.17E-01
1362	493927.33	3860402.55	0.13807	1.85E-01	1.94E-01	2.11E-01
1363	493977.33	3860402.55	0.13452	1.80E-01	1.89E-01	2.06E-01
1364	494027.33	3860402.55	0.13162	1.76E-01	1.85E-01	2.02E-01
1365	493677.33	3860452.55	0.15297	2.05E-01	2.15E-01	2.34E-01
1366	493727.33	3860452.55	0.14944	2.00E-01	2.10E-01	2.29E-01
1367	493777.33	3860452.55	0.14578	1.95E-01	2.05E-01	2.23E-01
1368	493827.33	3860452.55	0.14208	1.90E-01	2.00E-01	2.18E-01
1369	493877.33	3860452.55	0.13857	1.85E-01	1.95E-01	2.12E-01
1370	493927.33	3860452.55	0.13491	1.81E-01	1.90E-01	2.07E-01
1371	493977.33	3860452.55	0.13188	1.77E-01	1.86E-01	2.02E-01
1372	494027.33	3860452.55	0.12897	1.73E-01	1.81E-01	1.97E-01
1373	493677.33	3860502.55	0.14871	1.99E-01	2.09E-01	2.28E-01
1374	493727.33	3860502.55	0.14518	1.94E-01	2.04E-01	2.22E-01
1375	493777.33	3860502.55	0.1417	1.90E-01	1.99E-01	2.17E-01
1376	493827.33	3860502.55	0.13839	1.85E-01	1.95E-01	2.12E-01
1377	493877.33	3860502.55	0.1351	1.81E-01	1.90E-01	2.07E-01
1378	493927.33	3860502.55	0.1318	1.76E-01	1.85E-01	2.02E-01
1379	493977.33	3860502.55	0.12894	1.73E-01	1.81E-01	1.97E-01
1380	494027.33	3860502.55	0.12612	1.69E-01	1.77E-01	1.93E-01
1381	493627.33	3860552.55	0.14746	1.97E-01	2.07E-01	2.26E-01
1382	493677.33	3860552.55	0.14387	1.93E-01	2.02E-01	2.20E-01

1383	493727.33	3860552.55	0.14045	1.88E-01	1.98E-01	2.15E-01
1384	493777.33	3860552.55	0.13721	1.84E-01	1.93E-01	2.10E-01
1385	493827.33	3860552.55	0.13413	1.80E-01	1.89E-01	2.05E-01
1386	493877.33	3860552.55	0.13116	1.76E-01	1.85E-01	2.01E-01
1387	493927.33	3860552.55	0.12826	1.72E-01	1.80E-01	1.96E-01
1388	493977.33	3860552.55	0.12543	1.68E-01	1.76E-01	1.92E-01
1389	494027.33	3860552.55	0.12282	1.64E-01	1.73E-01	1.88E-01
1390	493627.33	3860602.55	0.14185	1.90E-01	2.00E-01	2.17E-01
1391	493727.33	3860602.55	0.13497	1.81E-01	1.90E-01	2.07E-01
1392	493777.33	3860602.55	0.1322	1.77E-01	1.86E-01	2.02E-01
1393	493827.33	3860602.55	0.12936	1.73E-01	1.82E-01	1.98E-01
1394	493877.33	3860602.55	0.12679	1.70E-01	1.78E-01	1.94E-01
1395	493927.33	3860602.55	0.12414	1.66E-01	1.75E-01	1.90E-01
1396	493977.33	3860602.55	0.1216	1.63E-01	1.71E-01	1.86E-01
1397	494027.33	3860602.55	0.11915	1.59E-01	1.68E-01	1.82E-01
1398	493627.33	3860652.55	0.13583	1.82E-01	1.91E-01	2.08E-01
1399	493727.33	3860652.55	0.12946	1.73E-01	1.82E-01	1.98E-01
1400	493777.33	3860652.55	0.12681	1.70E-01	1.78E-01	1.94E-01
1401	493827.33	3860652.55	0.1244	1.67E-01	1.75E-01	1.90E-01
1402	493877.33	3860652.55	0.12201	1.63E-01	1.72E-01	1.87E-01
1403	493927.33	3860652.55	0.11966	1.60E-01	1.68E-01	1.83E-01
1404	493977.33	3860652.55	0.11731	1.57E-01	1.65E-01	1.80E-01
1405	494027.33	3860652.55	0.11519	1.54E-01	1.62E-01	1.76E-01
1406	494311.06	3858401.99	0.02974	3.98E-02	4.18E-02	4.55E-02
1407	494361.06	3858401.99	0.0294	3.93E-02	4.14E-02	4.50E-02
1408	494411.06	3858401.99	0.02919	3.91E-02	4.11E-02	4.47E-02
1409	494461.06	3858401.99	0.02913	3.90E-02	4.10E-02	4.46E-02
1410	494511.06	3858401.99	0.02889	3.87E-02	4.06E-02	4.42E-02
1411	494561.06	3858401.99	0.02881	3.86E-02	4.05E-02	4.41E-02
1412	494611.06	3858401.99	0.02855	3.82E-02	4.02E-02	4.37E-02
1413	494661.06	3858401.99	0.02834	3.79E-02	3.99E-02	4.34E-02
1414	494711.06	3858401.99	0.02799	3.75E-02	3.94E-02	4.29E-02
1415	494761.06	3858401.99	0.02783	3.72E-02	3.92E-02	4.26E-02
1416	494811.06	3858401.99	0.02757	3.69E-02	3.88E-02	4.22E-02
1417	494861.06	3858401.99	0.02733	3.66E-02	3.85E-02	4.18E-02
1418	494911.06	3858401.99	0.02709	3.63E-02	3.81E-02	4.15E-02
1419	494961.06	3858401.99	0.02684	3.59E-02	3.78E-02	4.11E-02
1420	495011.06	3858401.99	0.0265	3.55E-02	3.73E-02	4.06E-02
1421	495061.06	3858401.99	0.02623	3.51E-02	3.69E-02	4.02E-02
1422	495111.06	3858401.99	0.02571	3.44E-02	3.62E-02	3.94E-02
1423	495161.06	3858401.99	0.02563	3.43E-02	3.61E-02	3.92E-02
1424	495211.06	3858401.99	0.02516	3.37E-02	3.54E-02	3.85E-02
1425	495261.06	3858401.99	0.02492	3.34E-02	3.51E-02	3.82E-02
1426	495311.06	3858401.99	0.02466	3.30E-02	3.47E-02	3.78E-02
1427	495361.06	3858401.99	0.02448	3.28E-02	3.44E-02	3.75E-02
1428	495411.06	3858401.99	0.02438	3.26E-02	3.43E-02	3.73E-02
1429	495461.06	3858401.99	0.02431	3.25E-02	3.42E-02	3.72E-02
1430	495511.06	3858401.99	0.02421	3.24E-02	3.41E-02	3.71E-02
1431	495561.06	3858401.99	0.0239	3.20E-02	3.36E-02	3.66E-02
1432	495611.06	3858401.99	0.0238	3.19E-02	3.35E-02	3.64E-02
1433	495661.06	3858401.99	0.02399	3.21E-02	3.38E-02	3.67E-02
1434	494311.06	3858451.99	0.03137	4.20E-02	4.41E-02	4.80E-02
1435	494361.06	3858451.99	0.03109	4.16E-02	4.37E-02	4.76E-02
1436	494411.06	3858451.99	0.03086	4.13E-02	4.34E-02	4.73E-02
1437	494461.06	3858451.99	0.03066	4.10E-02	4.31E-02	4.69E-02
1438	494511.06	3858451.99	0.03056	4.09E-02	4.30E-02	4.68E-02
1439	494561.06	3858451.99	0.03028	4.05E-02	4.26E-02	4.64E-02
1440	494611.06	3858451.99	0.03008	4.03E-02	4.23E-02	4.61E-02
1441	494661.06	3858451.99	0.02986	4.00E-02	4.20E-02	4.57E-02
1442	494711.06	3858451.99	0.02955	3.96E-02	4.16E-02	4.52E-02
1443	494761.06	3858451.99	0.02922	3.91E-02	4.11E-02	4.47E-02
1444	494811.06	3858451.99	0.02897	3.88E-02	4.08E-02	4.44E-02
1445	494861.06	3858451.99	0.02868	3.84E-02	4.04E-02	4.39E-02

1446	494911.06	3858451.99	0.02825	3.78E-02	3.97E-02	4.33E-02
1447	494961.06	3858451.99	0.02798	3.74E-02	3.94E-02	4.28E-02
1448	495011.06	3858451.99	0.02759	3.69E-02	3.88E-02	4.22E-02
1449	495061.06	3858451.99	0.02743	3.67E-02	3.86E-02	4.20E-02
1450	495111.06	3858451.99	0.02705	3.62E-02	3.81E-02	4.14E-02
1451	495161.06	3858451.99	0.02661	3.56E-02	3.74E-02	4.07E-02
1452	495211.06	3858451.99	0.02622	3.51E-02	3.69E-02	4.01E-02
1453	495261.06	3858451.99	0.02597	3.48E-02	3.65E-02	3.98E-02
1454	495311.06	3858451.99	0.02576	3.45E-02	3.62E-02	3.94E-02
1455	495361.06	3858451.99	0.02557	3.42E-02	3.60E-02	3.92E-02
1456	495411.06	3858451.99	0.02549	3.41E-02	3.59E-02	3.90E-02
1457	495461.06	3858451.99	0.02542	3.40E-02	3.58E-02	3.89E-02
1458	495511.06	3858451.99	0.0252	3.37E-02	3.55E-02	3.86E-02
1459	495561.06	3858451.99	0.02522	3.38E-02	3.55E-02	3.86E-02
1460	495611.06	3858451.99	0.02495	3.34E-02	3.51E-02	3.82E-02
1461	495661.06	3858451.99	0.02491	3.33E-02	3.50E-02	3.81E-02
1462	494311.06	3858501.99	0.03264	4.37E-02	4.59E-02	5.00E-02
1463	494361.06	3858501.99	0.03246	4.34E-02	4.57E-02	4.97E-02
1464	494411.06	3858501.99	0.03224	4.32E-02	4.54E-02	4.94E-02
1465	494461.06	3858501.99	0.03212	4.30E-02	4.52E-02	4.92E-02
1466	494511.06	3858501.99	0.03179	4.25E-02	4.47E-02	4.87E-02
1467	494561.06	3858501.99	0.03187	4.27E-02	4.48E-02	4.88E-02
1468	494611.06	3858501.99	0.03159	4.23E-02	4.44E-02	4.84E-02
1469	494661.06	3858501.99	0.03142	4.21E-02	4.42E-02	4.81E-02
1470	494711.06	3858501.99	0.03108	4.16E-02	4.37E-02	4.76E-02
1471	494761.06	3858501.99	0.03068	4.11E-02	4.32E-02	4.70E-02
1472	494811.06	3858501.99	0.03031	4.06E-02	4.26E-02	4.64E-02
1473	494861.06	3858501.99	0.03006	4.02E-02	4.23E-02	4.60E-02
1474	494911.06	3858501.99	0.02953	3.95E-02	4.16E-02	4.52E-02
1475	494961.06	3858501.99	0.02928	3.92E-02	4.12E-02	4.48E-02
1476	495011.06	3858501.99	0.02882	3.86E-02	4.06E-02	4.41E-02
1477	495061.06	3858501.99	0.02864	3.83E-02	4.03E-02	4.39E-02
1478	495111.06	3858501.99	0.02805	3.75E-02	3.95E-02	4.29E-02
1479	495161.06	3858501.99	0.02768	3.70E-02	3.89E-02	4.24E-02
1480	495211.06	3858501.99	0.02732	3.66E-02	3.84E-02	4.18E-02
1481	495261.06	3858501.99	0.02706	3.62E-02	3.81E-02	4.14E-02
1482	495311.06	3858501.99	0.02691	3.60E-02	3.79E-02	4.12E-02
1483	495361.06	3858501.99	0.02676	3.58E-02	3.77E-02	4.10E-02
1484	495411.06	3858501.99	0.02665	3.57E-02	3.75E-02	4.08E-02
1485	495461.06	3858501.99	0.02655	3.55E-02	3.74E-02	4.07E-02
1486	495511.06	3858501.99	0.02639	3.53E-02	3.71E-02	4.04E-02
1487	495561.06	3858501.99	0.02639	3.53E-02	3.71E-02	4.04E-02
1488	495611.06	3858501.99	0.02604	3.49E-02	3.66E-02	3.99E-02
1489	495661.06	3858501.99	0.02609	3.49E-02	3.67E-02	3.99E-02
1490	494311.06	3858551.99	0.03327	4.45E-02	4.68E-02	5.09E-02
1491	494361.06	3858551.99	0.03348	4.48E-02	4.71E-02	5.13E-02
1492	494411.06	3858551.99	0.03385	4.53E-02	4.76E-02	5.18E-02
1493	494461.06	3858551.99	0.03382	4.53E-02	4.76E-02	5.18E-02
1494	494511.06	3858551.99	0.03364	4.50E-02	4.73E-02	5.15E-02
1495	494561.06	3858551.99	0.0335	4.48E-02	4.71E-02	5.13E-02
1496	494611.06	3858551.99	0.03327	4.45E-02	4.68E-02	5.09E-02
1497	494661.06	3858551.99	0.03307	4.43E-02	4.65E-02	5.06E-02
1498	494711.06	3858551.99	0.03265	4.37E-02	4.59E-02	5.00E-02
1499	494761.06	3858551.99	0.03224	4.32E-02	4.54E-02	4.94E-02
1500	494811.06	3858551.99	0.03192	4.27E-02	4.49E-02	4.89E-02
1501	494861.06	3858551.99	0.0315	4.22E-02	4.43E-02	4.82E-02
1502	494911.06	3858551.99	0.03101	4.15E-02	4.36E-02	4.75E-02
1503	494961.06	3858551.99	0.03063	4.10E-02	4.31E-02	4.69E-02
1504	495011.06	3858551.99	0.03013	4.03E-02	4.24E-02	4.61E-02
1505	495061.06	3858551.99	0.02983	3.99E-02	4.20E-02	4.57E-02
1506	495111.06	3858551.99	0.02922	3.91E-02	4.11E-02	4.47E-02
1507	495161.06	3858551.99	0.02883	3.86E-02	4.06E-02	4.41E-02
1508	495211.06	3858551.99	0.02848	3.81E-02	4.01E-02	4.36E-02

1509	495261.06	3858551.99	0.02823	3.78E-02	3.97E-02	4.32E-02
1510	495311.06	3858551.99	0.0281	3.76E-02	3.95E-02	4.30E-02
1511	495361.06	3858551.99	0.02795	3.74E-02	3.93E-02	4.28E-02
1512	495411.06	3858551.99	0.02786	3.73E-02	3.92E-02	4.27E-02
1513	495461.06	3858551.99	0.02773	3.71E-02	3.90E-02	4.25E-02
1514	495511.06	3858551.99	0.02765	3.70E-02	3.89E-02	4.23E-02
1515	495561.06	3858551.99	0.02751	3.68E-02	3.87E-02	4.21E-02
1516	495611.06	3858551.99	0.02733	3.66E-02	3.85E-02	4.18E-02
1517	495661.06	3858551.99	0.02714	3.63E-02	3.82E-02	4.16E-02
1518	494311.06	3858601.99	0.03337	4.47E-02	4.70E-02	5.11E-02
1519	494361.06	3858601.99	0.03453	4.62E-02	4.86E-02	5.29E-02
1520	494411.06	3858601.99	0.03571	4.78E-02	5.02E-02	5.47E-02
1521	494461.06	3858601.99	0.03565	4.77E-02	5.02E-02	5.46E-02
1522	494511.06	3858601.99	0.03522	4.71E-02	4.96E-02	5.39E-02
1523	494561.06	3858601.99	0.03536	4.73E-02	4.98E-02	5.41E-02
1524	494611.06	3858601.99	0.035	4.68E-02	4.92E-02	5.36E-02
1525	494661.06	3858601.99	0.03474	4.65E-02	4.89E-02	5.32E-02
1526	494711.06	3858601.99	0.03433	4.59E-02	4.83E-02	5.26E-02
1527	494761.06	3858601.99	0.03391	4.54E-02	4.77E-02	5.19E-02
1528	494811.06	3858601.99	0.03328	4.45E-02	4.68E-02	5.10E-02
1529	494861.06	3858601.99	0.03295	4.41E-02	4.64E-02	5.05E-02
1530	494911.06	3858601.99	0.03236	4.33E-02	4.55E-02	4.95E-02
1531	494961.06	3858601.99	0.03194	4.27E-02	4.49E-02	4.89E-02
1532	495011.06	3858601.99	0.03151	4.22E-02	4.43E-02	4.82E-02
1533	495061.06	3858601.99	0.03105	4.16E-02	4.37E-02	4.75E-02
1534	495111.06	3858601.99	0.03038	4.07E-02	4.27E-02	4.65E-02
1535	495161.06	3858601.99	0.03002	4.02E-02	4.22E-02	4.60E-02
1536	495211.06	3858601.99	0.02977	3.98E-02	4.19E-02	4.56E-02
1537	495261.06	3858601.99	0.02949	3.95E-02	4.15E-02	4.52E-02
1538	495311.06	3858601.99	0.02928	3.92E-02	4.12E-02	4.48E-02
1539	495361.06	3858601.99	0.02915	3.90E-02	4.10E-02	4.46E-02
1540	495411.06	3858601.99	0.02902	3.88E-02	4.08E-02	4.44E-02
1541	495461.06	3858601.99	0.02891	3.87E-02	4.07E-02	4.43E-02
1542	495511.06	3858601.99	0.02868	3.84E-02	4.04E-02	4.39E-02
1543	495561.06	3858601.99	0.02862	3.83E-02	4.03E-02	4.38E-02
1544	495611.06	3858601.99	0.02835	3.79E-02	3.99E-02	4.34E-02
1545	495661.06	3858601.99	0.02825	3.78E-02	3.97E-02	4.33E-02
1546	494311.06	3858651.99	0.03438	4.60E-02	4.84E-02	5.26E-02
1547	494361.06	3858651.99	0.03553	4.76E-02	5.00E-02	5.44E-02
1548	494411.06	3858651.99	0.03709	4.96E-02	5.22E-02	5.68E-02
1549	494461.06	3858651.99	0.03746	5.01E-02	5.27E-02	5.74E-02
1550	494511.06	3858651.99	0.03723	4.98E-02	5.24E-02	5.70E-02
1551	494561.06	3858651.99	0.03709	4.96E-02	5.22E-02	5.68E-02
1552	494611.06	3858651.99	0.03687	4.93E-02	5.19E-02	5.65E-02
1553	494661.06	3858651.99	0.0365	4.89E-02	5.14E-02	5.59E-02
1554	494711.06	3858651.99	0.03599	4.82E-02	5.06E-02	5.51E-02
1555	494761.06	3858651.99	0.03559	4.76E-02	5.01E-02	5.45E-02
1556	494811.06	3858651.99	0.03499	4.68E-02	4.92E-02	5.36E-02
1557	494861.06	3858651.99	0.03445	4.61E-02	4.85E-02	5.27E-02
1558	494911.06	3858651.99	0.03384	4.53E-02	4.76E-02	5.18E-02
1559	494961.06	3858651.99	0.03329	4.46E-02	4.68E-02	5.10E-02
1560	495011.06	3858651.99	0.03286	4.40E-02	4.62E-02	5.03E-02
1561	495061.06	3858651.99	0.03237	4.33E-02	4.55E-02	4.96E-02
1562	495111.06	3858651.99	0.0318	4.26E-02	4.47E-02	4.87E-02
1563	495161.06	3858651.99	0.03143	4.21E-02	4.42E-02	4.81E-02
1564	495211.06	3858651.99	0.03099	4.15E-02	4.36E-02	4.75E-02
1565	495261.06	3858651.99	0.03084	4.13E-02	4.34E-02	4.72E-02
1566	495311.06	3858651.99	0.03061	4.10E-02	4.31E-02	4.69E-02
1567	495361.06	3858651.99	0.03045	4.08E-02	4.28E-02	4.66E-02
1568	495411.06	3858651.99	0.03034	4.06E-02	4.27E-02	4.65E-02
1569	495461.06	3858651.99	0.03029	4.05E-02	4.26E-02	4.64E-02
1570	495511.06	3858651.99	0.03001	4.02E-02	4.22E-02	4.60E-02
1571	495561.06	3858651.99	0.02979	3.99E-02	4.19E-02	4.56E-02

1572	495611.06	3858651.99	0.02947	3.94E-02	4.15E-02	4.51E-02
1573	495661.06	3858651.99	0.02935	3.93E-02	4.13E-02	4.49E-02
1574	494311.06	3858701.99	0.03608	4.83E-02	5.08E-02	5.52E-02
1575	494361.06	3858701.99	0.0378	5.06E-02	5.32E-02	5.79E-02
1576	494411.06	3858701.99	0.03893	5.21E-02	5.48E-02	5.96E-02
1577	494461.06	3858701.99	0.03892	5.21E-02	5.48E-02	5.96E-02
1578	494511.06	3858701.99	0.03912	5.24E-02	5.50E-02	5.99E-02
1579	494561.06	3858701.99	0.03888	5.20E-02	5.47E-02	5.95E-02
1580	494611.06	3858701.99	0.03823	5.12E-02	5.38E-02	5.85E-02
1581	494661.06	3858701.99	0.03817	5.11E-02	5.37E-02	5.84E-02
1582	494711.06	3858701.99	0.0368	4.93E-02	5.18E-02	5.63E-02
1583	494761.06	3858701.99	0.03705	4.96E-02	5.21E-02	5.67E-02
1584	494811.06	3858701.99	0.03641	4.87E-02	5.12E-02	5.58E-02
1585	494861.06	3858701.99	0.0359	4.80E-02	5.05E-02	5.50E-02
1586	494911.06	3858701.99	0.03545	4.74E-02	4.99E-02	5.43E-02
1587	494961.06	3858701.99	0.03458	4.63E-02	4.87E-02	5.29E-02
1588	495011.06	3858701.99	0.03403	4.55E-02	4.79E-02	5.21E-02
1589	495061.06	3858701.99	0.03376	4.52E-02	4.75E-02	5.17E-02
1590	495111.06	3858701.99	0.03312	4.43E-02	4.66E-02	5.07E-02
1591	495161.06	3858701.99	0.03277	4.39E-02	4.61E-02	5.02E-02
1592	495211.06	3858701.99	0.03232	4.33E-02	4.55E-02	4.95E-02
1593	495261.06	3858701.99	0.03218	4.31E-02	4.53E-02	4.93E-02
1594	495311.06	3858701.99	0.03204	4.29E-02	4.51E-02	4.91E-02
1595	495361.06	3858701.99	0.03183	4.26E-02	4.48E-02	4.87E-02
1596	495411.06	3858701.99	0.03175	4.25E-02	4.47E-02	4.86E-02
1597	495461.06	3858701.99	0.03157	4.23E-02	4.44E-02	4.83E-02
1598	495511.06	3858701.99	0.03133	4.19E-02	4.41E-02	4.80E-02
1599	495561.06	3858701.99	0.03104	4.15E-02	4.37E-02	4.75E-02
1600	495611.06	3858701.99	0.03074	4.11E-02	4.33E-02	4.71E-02
1601	495661.06	3858701.99	0.03054	4.09E-02	4.30E-02	4.68E-02
1602	494311.06	3858751.99	0.03785	5.07E-02	5.33E-02	5.80E-02
1603	494361.06	3858751.99	0.04007	5.36E-02	5.64E-02	6.14E-02
1604	494411.06	3858751.99	0.04096	5.48E-02	5.76E-02	6.27E-02
1605	494461.06	3858751.99	0.04092	5.48E-02	5.76E-02	6.27E-02
1606	494511.06	3858751.99	0.04122	5.52E-02	5.80E-02	6.31E-02
1607	494561.06	3858751.99	0.0406	5.43E-02	5.71E-02	6.22E-02
1608	494611.06	3858751.99	0.0401	5.37E-02	5.64E-02	6.14E-02
1609	494661.06	3858751.99	0.03962	5.30E-02	5.57E-02	6.07E-02
1610	494711.06	3858751.99	0.03879	5.19E-02	5.46E-02	5.94E-02
1611	494761.06	3858751.99	0.03874	5.19E-02	5.45E-02	5.93E-02
1612	494811.06	3858751.99	0.038	5.09E-02	5.35E-02	5.82E-02
1613	494861.06	3858751.99	0.03735	5.00E-02	5.26E-02	5.72E-02
1614	494911.06	3858751.99	0.03664	4.90E-02	5.16E-02	5.61E-02
1615	494961.06	3858751.99	0.03612	4.83E-02	5.08E-02	5.53E-02
1616	495011.06	3858751.99	0.03575	4.78E-02	5.03E-02	5.47E-02
1617	495061.06	3858751.99	0.03521	4.71E-02	4.95E-02	5.39E-02
1618	495111.06	3858751.99	0.03458	4.63E-02	4.87E-02	5.29E-02
1619	495161.06	3858751.99	0.0342	4.58E-02	4.81E-02	5.24E-02
1620	495211.06	3858751.99	0.03372	4.51E-02	4.74E-02	5.16E-02
1621	495261.06	3858751.99	0.03355	4.49E-02	4.72E-02	5.14E-02
1622	495311.06	3858751.99	0.0334	4.47E-02	4.70E-02	5.11E-02
1623	495361.06	3858751.99	0.03318	4.44E-02	4.67E-02	5.08E-02
1624	495411.06	3858751.99	0.03312	4.43E-02	4.66E-02	5.07E-02
1625	495461.06	3858751.99	0.03293	4.41E-02	4.63E-02	5.04E-02
1626	495511.06	3858751.99	0.03266	4.37E-02	4.60E-02	5.00E-02
1627	495561.06	3858751.99	0.03236	4.33E-02	4.55E-02	4.95E-02
1628	495611.06	3858751.99	0.03206	4.29E-02	4.51E-02	4.91E-02
1629	495661.06	3858751.99	0.0318	4.26E-02	4.47E-02	4.87E-02
1630	494311.06	3858801.99	0.04019	5.38E-02	5.65E-02	6.15E-02
1631	494361.06	3858801.99	0.04227	5.66E-02	5.95E-02	6.47E-02
1632	494411.06	3858801.99	0.04274	5.72E-02	6.01E-02	6.54E-02
1633	494461.06	3858801.99	0.04294	5.75E-02	6.04E-02	6.57E-02
1634	494511.06	3858801.99	0.0433	5.80E-02	6.09E-02	6.63E-02

1635	494561.06	3858801.99	0.04308	5.77E-02	6.06E-02	6.60E-02
1636	494611.06	3858801.99	0.04268	5.71E-02	6.01E-02	6.54E-02
1637	494661.06	3858801.99	0.04201	5.62E-02	5.91E-02	6.43E-02
1638	494711.06	3858801.99	0.04124	5.52E-02	5.80E-02	6.31E-02
1639	494761.06	3858801.99	0.04036	5.40E-02	5.68E-02	6.18E-02
1640	494811.06	3858801.99	0.03945	5.28E-02	5.55E-02	6.04E-02
1641	494861.06	3858801.99	0.03896	5.21E-02	5.48E-02	5.97E-02
1642	494911.06	3858801.99	0.03823	5.12E-02	5.38E-02	5.85E-02
1643	494961.06	3858801.99	0.03768	5.04E-02	5.30E-02	5.77E-02
1644	495011.06	3858801.99	0.0371	4.97E-02	5.22E-02	5.68E-02
1645	495061.06	3858801.99	0.03671	4.91E-02	5.17E-02	5.62E-02
1646	495111.06	3858801.99	0.03598	4.82E-02	5.06E-02	5.51E-02
1647	495161.06	3858801.99	0.03544	4.74E-02	4.99E-02	5.43E-02
1648	495211.06	3858801.99	0.03512	4.70E-02	4.94E-02	5.38E-02
1649	495261.06	3858801.99	0.03494	4.68E-02	4.92E-02	5.35E-02
1650	495311.06	3858801.99	0.0348	4.66E-02	4.90E-02	5.33E-02
1651	495361.06	3858801.99	0.03458	4.63E-02	4.87E-02	5.29E-02
1652	495411.06	3858801.99	0.03459	4.63E-02	4.87E-02	5.30E-02
1653	495461.06	3858801.99	0.03435	4.60E-02	4.83E-02	5.26E-02
1654	495511.06	3858801.99	0.03402	4.55E-02	4.79E-02	5.21E-02
1655	495561.06	3858801.99	0.03375	4.52E-02	4.75E-02	5.17E-02
1656	495611.06	3858801.99	0.03336	4.46E-02	4.69E-02	5.11E-02
1657	495661.06	3858801.99	0.03314	4.44E-02	4.66E-02	5.07E-02
1658	494311.06	3858851.99	0.04409	5.90E-02	6.20E-02	6.75E-02
1659	494361.06	3858851.99	0.04535	6.07E-02	6.38E-02	6.94E-02
1660	494411.06	3858851.99	0.04517	6.05E-02	6.36E-02	6.92E-02
1661	494461.06	3858851.99	0.04519	6.05E-02	6.36E-02	6.92E-02
1662	494511.06	3858851.99	0.04538	6.07E-02	6.39E-02	6.95E-02
1663	494561.06	3858851.99	0.04506	6.03E-02	6.34E-02	6.90E-02
1664	494611.06	3858851.99	0.04451	5.96E-02	6.26E-02	6.82E-02
1665	494661.06	3858851.99	0.04383	5.87E-02	6.17E-02	6.71E-02
1666	494711.06	3858851.99	0.04286	5.74E-02	6.03E-02	6.56E-02
1667	494761.06	3858851.99	0.04195	5.61E-02	5.90E-02	6.42E-02
1668	494811.06	3858851.99	0.04119	5.51E-02	5.80E-02	6.31E-02
1669	494861.06	3858851.99	0.04067	5.44E-02	5.72E-02	6.23E-02
1670	494911.06	3858851.99	0.03997	5.35E-02	5.62E-02	6.12E-02
1671	494961.06	3858851.99	0.03935	5.27E-02	5.54E-02	6.03E-02
1672	495011.06	3858851.99	0.03884	5.20E-02	5.47E-02	5.95E-02
1673	495061.06	3858851.99	0.03824	5.12E-02	5.38E-02	5.86E-02
1674	495111.06	3858851.99	0.03724	4.98E-02	5.24E-02	5.70E-02
1675	495161.06	3858851.99	0.03668	4.91E-02	5.16E-02	5.62E-02
1676	495211.06	3858851.99	0.03662	4.90E-02	5.15E-02	5.61E-02
1677	495261.06	3858851.99	0.03641	4.87E-02	5.12E-02	5.58E-02
1678	495311.06	3858851.99	0.03629	4.86E-02	5.11E-02	5.56E-02
1679	495361.06	3858851.99	0.03611	4.83E-02	5.08E-02	5.53E-02
1680	495411.06	3858851.99	0.03593	4.81E-02	5.06E-02	5.50E-02
1681	495461.06	3858851.99	0.03577	4.79E-02	5.03E-02	5.48E-02
1682	495511.06	3858851.99	0.03542	4.74E-02	4.98E-02	5.42E-02
1683	495561.06	3858851.99	0.03499	4.68E-02	4.92E-02	5.36E-02
1684	495611.06	3858851.99	0.03455	4.62E-02	4.86E-02	5.29E-02
1685	495661.06	3858851.99	0.03439	4.60E-02	4.84E-02	5.27E-02
1686	494311.06	3858901.99	0.04677	6.26E-02	6.58E-02	7.16E-02
1687	494361.06	3858901.99	0.04772	6.39E-02	6.71E-02	7.31E-02
1688	494411.06	3858901.99	0.04772	6.39E-02	6.71E-02	7.31E-02
1689	494461.06	3858901.99	0.04807	6.43E-02	6.76E-02	7.36E-02
1690	494511.06	3858901.99	0.04791	6.41E-02	6.74E-02	7.34E-02
1691	494561.06	3858901.99	0.0473	6.33E-02	6.66E-02	7.24E-02
1692	494611.06	3858901.99	0.04627	6.19E-02	6.51E-02	7.08E-02
1693	494661.06	3858901.99	0.04569	6.12E-02	6.43E-02	7.00E-02
1694	494711.06	3858901.99	0.04475	5.99E-02	6.30E-02	6.85E-02
1695	494761.06	3858901.99	0.04366	5.84E-02	6.14E-02	6.69E-02
1696	494811.06	3858901.99	0.043	5.76E-02	6.05E-02	6.58E-02
1697	494861.06	3858901.99	0.04249	5.69E-02	5.98E-02	6.51E-02

1698	494911.06	3858901.99	0.04146	5.55E-02	5.83E-02	6.35E-02
1699	494961.06	3858901.99	0.04087	5.47E-02	5.75E-02	6.26E-02
1700	495011.06	3858901.99	0.0403	5.39E-02	5.67E-02	6.17E-02
1701	495061.06	3858901.99	0.03951	5.29E-02	5.56E-02	6.05E-02
1702	495111.06	3858901.99	0.03844	5.14E-02	5.41E-02	5.89E-02
1703	495161.06	3858901.99	0.03806	5.09E-02	5.36E-02	5.83E-02
1704	495211.06	3858901.99	0.03814	5.10E-02	5.37E-02	5.84E-02
1705	495261.06	3858901.99	0.03798	5.08E-02	5.34E-02	5.82E-02
1706	495311.06	3858901.99	0.03774	5.05E-02	5.31E-02	5.78E-02
1707	495361.06	3858901.99	0.03752	5.02E-02	5.28E-02	5.75E-02
1708	495411.06	3858901.99	0.03743	5.01E-02	5.27E-02	5.73E-02
1709	495461.06	3858901.99	0.03714	4.97E-02	5.23E-02	5.69E-02
1710	495511.06	3858901.99	0.03672	4.91E-02	5.17E-02	5.62E-02
1711	495561.06	3858901.99	0.03636	4.87E-02	5.12E-02	5.57E-02
1712	495611.06	3858901.99	0.03591	4.81E-02	5.05E-02	5.50E-02
1713	495661.06	3858901.99	0.03576	4.79E-02	5.03E-02	5.48E-02
1714	494311.06	3858951.99	0.05024	6.72E-02	7.07E-02	7.69E-02
1715	494361.06	3858951.99	0.05057	6.77E-02	7.12E-02	7.74E-02
1716	494411.06	3858951.99	0.05009	6.70E-02	7.05E-02	7.67E-02
1717	494461.06	3858951.99	0.05048	6.76E-02	7.10E-02	7.73E-02
1718	494511.06	3858951.99	0.05009	6.70E-02	7.05E-02	7.67E-02
1719	494561.06	3858951.99	0.04944	6.62E-02	6.96E-02	7.57E-02
1720	494611.06	3858951.99	0.0485	6.49E-02	6.82E-02	7.43E-02
1721	494661.06	3858951.99	0.04764	6.38E-02	6.70E-02	7.29E-02
1722	494711.06	3858951.99	0.04646	6.22E-02	6.54E-02	7.11E-02
1723	494761.06	3858951.99	0.04559	6.10E-02	6.41E-02	6.98E-02
1724	494811.06	3858951.99	0.04497	6.02E-02	6.33E-02	6.89E-02
1725	494861.06	3858951.99	0.04434	5.93E-02	6.24E-02	6.79E-02
1726	494911.06	3858951.99	0.04347	5.82E-02	6.12E-02	6.66E-02
1727	494961.06	3858951.99	0.04299	5.75E-02	6.05E-02	6.58E-02
1728	495011.06	3858951.99	0.04173	5.59E-02	5.87E-02	6.39E-02
1729	495061.06	3858951.99	0.04056	5.43E-02	5.71E-02	6.21E-02
1730	495111.06	3858951.99	0.03966	5.31E-02	5.58E-02	6.07E-02
1731	495161.06	3858951.99	0.03989	5.34E-02	5.61E-02	6.11E-02
1732	495211.06	3858951.99	0.03973	5.32E-02	5.59E-02	6.08E-02
1733	495261.06	3858951.99	0.03956	5.29E-02	5.57E-02	6.06E-02
1734	495311.06	3858951.99	0.03906	5.23E-02	5.50E-02	5.98E-02
1735	495361.06	3858951.99	0.03893	5.21E-02	5.48E-02	5.96E-02
1736	495411.06	3858951.99	0.03887	5.20E-02	5.47E-02	5.95E-02
1737	495461.06	3858951.99	0.03859	5.16E-02	5.43E-02	5.91E-02
1738	495511.06	3858951.99	0.03844	5.14E-02	5.41E-02	5.89E-02
1739	495561.06	3858951.99	0.03777	5.06E-02	5.31E-02	5.78E-02
1740	495611.06	3858951.99	0.03733	5.00E-02	5.25E-02	5.72E-02
1741	495661.06	3858951.99	0.03719	4.98E-02	5.23E-02	5.69E-02
1742	494311.06	3859001.99	0.05341	7.15E-02	7.52E-02	8.18E-02
1743	494361.06	3859001.99	0.05322	7.12E-02	7.49E-02	8.15E-02
1744	494411.06	3859001.99	0.05337	7.14E-02	7.51E-02	8.17E-02
1745	494461.06	3859001.99	0.05297	7.09E-02	7.45E-02	8.11E-02
1746	494511.06	3859001.99	0.05255	7.03E-02	7.39E-02	8.05E-02
1747	494561.06	3859001.99	0.05156	6.90E-02	7.25E-02	7.89E-02
1748	494611.06	3859001.99	0.05065	6.78E-02	7.13E-02	7.76E-02
1749	494661.06	3859001.99	0.04957	6.63E-02	6.97E-02	7.59E-02
1750	494711.06	3859001.99	0.04834	6.47E-02	6.80E-02	7.40E-02
1751	494761.06	3859001.99	0.04757	6.37E-02	6.69E-02	7.28E-02
1752	494811.06	3859001.99	0.04706	6.30E-02	6.62E-02	7.21E-02
1753	494861.06	3859001.99	0.04624	6.19E-02	6.51E-02	7.08E-02
1754	494911.06	3859001.99	0.04538	6.07E-02	6.39E-02	6.95E-02
1755	494961.06	3859001.99	0.04452	5.96E-02	6.26E-02	6.82E-02
1756	495011.06	3859001.99	0.04247	5.68E-02	5.98E-02	6.50E-02
1757	495061.06	3859001.99	0.04198	5.62E-02	5.91E-02	6.43E-02
1758	495111.06	3859001.99	0.04108	5.50E-02	5.78E-02	6.29E-02
1759	495161.06	3859001.99	0.04154	5.56E-02	5.84E-02	6.36E-02
1760	495211.06	3859001.99	0.04124	5.52E-02	5.80E-02	6.31E-02

1761	495261.06	3859001.99	0.0411	5.50E-02	5.78E-02	6.29E-02
1762	495311.06	3859001.99	0.04076	5.46E-02	5.74E-02	6.24E-02
1763	495361.06	3859001.99	0.0406	5.43E-02	5.71E-02	6.22E-02
1764	495411.06	3859001.99	0.04035	5.40E-02	5.68E-02	6.18E-02
1765	495461.06	3859001.99	0.04014	5.37E-02	5.65E-02	6.15E-02
1766	495511.06	3859001.99	0.03957	5.30E-02	5.57E-02	6.06E-02
1767	495561.06	3859001.99	0.03918	5.24E-02	5.51E-02	6.00E-02
1768	495611.06	3859001.99	0.03877	5.19E-02	5.46E-02	5.94E-02
1769	495661.06	3859001.99	0.03882	5.20E-02	5.46E-02	5.94E-02
1770	494311.06	3859051.99	0.05645	7.56E-02	7.94E-02	8.64E-02
1771	494361.06	3859051.99	0.05674	7.59E-02	7.98E-02	8.69E-02
1772	494411.06	3859051.99	0.05612	7.51E-02	7.90E-02	8.59E-02
1773	494461.06	3859051.99	0.0554	7.41E-02	7.80E-02	8.48E-02
1774	494511.06	3859051.99	0.0545	7.29E-02	7.67E-02	8.34E-02
1775	494561.06	3859051.99	0.05373	7.19E-02	7.56E-02	8.23E-02
1776	494611.06	3859051.99	0.05273	7.06E-02	7.42E-02	8.07E-02
1777	494661.06	3859051.99	0.05166	6.91E-02	7.27E-02	7.91E-02
1778	494711.06	3859051.99	0.05068	6.78E-02	7.13E-02	7.76E-02
1779	494761.06	3859051.99	0.04967	6.65E-02	6.99E-02	7.61E-02
1780	494811.06	3859051.99	0.04894	6.55E-02	6.89E-02	7.49E-02
1781	494861.06	3859051.99	0.04819	6.45E-02	6.78E-02	7.38E-02
1782	494911.06	3859051.99	0.04711	6.31E-02	6.63E-02	7.21E-02
1783	494961.06	3859051.99	0.04561	6.10E-02	6.42E-02	6.98E-02
1784	495011.06	3859051.99	0.04448	5.95E-02	6.26E-02	6.81E-02
1785	495061.06	3859051.99	0.04369	5.85E-02	6.15E-02	6.69E-02
1786	495111.06	3859051.99	0.04321	5.78E-02	6.08E-02	6.62E-02
1787	495161.06	3859051.99	0.04336	5.80E-02	6.10E-02	6.64E-02
1788	495211.06	3859051.99	0.04281	5.73E-02	6.02E-02	6.56E-02
1789	495261.06	3859051.99	0.04278	5.73E-02	6.02E-02	6.55E-02
1790	495311.06	3859051.99	0.04237	5.67E-02	5.96E-02	6.49E-02
1791	495361.06	3859051.99	0.04212	5.64E-02	5.93E-02	6.45E-02
1792	495411.06	3859051.99	0.04198	5.62E-02	5.91E-02	6.43E-02
1793	495461.06	3859051.99	0.04182	5.60E-02	5.88E-02	6.40E-02
1794	495511.06	3859051.99	0.04118	5.51E-02	5.79E-02	6.31E-02
1795	495561.06	3859051.99	0.04068	5.44E-02	5.72E-02	6.23E-02
1796	495611.06	3859051.99	0.04022	5.38E-02	5.66E-02	6.16E-02
1797	495661.06	3859051.99	0.04023	5.38E-02	5.66E-02	6.16E-02
1798	494311.06	3859101.99	0.06016	8.05E-02	8.46E-02	9.21E-02
1799	494361.06	3859101.99	0.05954	7.97E-02	8.38E-02	9.12E-02
1800	494411.06	3859101.99	0.05903	7.90E-02	8.31E-02	9.04E-02
1801	494461.06	3859101.99	0.0582	7.79E-02	8.19E-02	8.91E-02
1802	494511.06	3859101.99	0.05703	7.63E-02	8.02E-02	8.73E-02
1803	494561.06	3859101.99	0.05612	7.51E-02	7.90E-02	8.59E-02
1804	494611.06	3859101.99	0.05478	7.33E-02	7.71E-02	8.39E-02
1805	494661.06	3859101.99	0.05391	7.22E-02	7.59E-02	8.25E-02
1806	494711.06	3859101.99	0.05247	7.02E-02	7.38E-02	8.03E-02
1807	494761.06	3859101.99	0.05201	6.96E-02	7.32E-02	7.96E-02
1808	494811.06	3859101.99	0.05104	6.83E-02	7.18E-02	7.82E-02
1809	494861.06	3859101.99	0.05019	6.72E-02	7.06E-02	7.69E-02
1810	494911.06	3859101.99	0.049	6.56E-02	6.89E-02	7.50E-02
1811	494961.06	3859101.99	0.04732	6.33E-02	6.66E-02	7.25E-02
1812	495011.06	3859101.99	0.04563	6.11E-02	6.42E-02	6.99E-02
1813	495061.06	3859101.99	0.04549	6.09E-02	6.40E-02	6.97E-02
1814	495111.06	3859101.99	0.04492	6.01E-02	6.32E-02	6.88E-02
1815	495161.06	3859101.99	0.04505	6.03E-02	6.34E-02	6.90E-02
1816	495211.06	3859101.99	0.04452	5.96E-02	6.26E-02	6.82E-02
1817	495261.06	3859101.99	0.04437	5.94E-02	6.24E-02	6.79E-02
1818	495311.06	3859101.99	0.04394	5.88E-02	6.18E-02	6.73E-02
1819	495361.06	3859101.99	0.04396	5.88E-02	6.19E-02	6.73E-02
1820	495411.06	3859101.99	0.04371	5.85E-02	6.15E-02	6.69E-02
1821	495461.06	3859101.99	0.04302	5.76E-02	6.05E-02	6.59E-02
1822	495511.06	3859101.99	0.04268	5.71E-02	6.01E-02	6.54E-02
1823	495561.06	3859101.99	0.04238	5.67E-02	5.96E-02	6.49E-02

1824	495611.06	3859101.99	0.04182	5.60E-02	5.88E-02	6.40E-02
1825	495661.06	3859101.99	0.04165	5.57E-02	5.86E-02	6.38E-02
1826	494311.06	3859151.99	0.0633	8.47E-02	8.91E-02	9.69E-02
1827	494361.06	3859151.99	0.06282	8.41E-02	8.84E-02	9.62E-02
1828	494411.06	3859151.99	0.06176	8.27E-02	8.69E-02	9.46E-02
1829	494461.06	3859151.99	0.06069	8.12E-02	8.54E-02	9.29E-02
1830	494511.06	3859151.99	0.05935	7.94E-02	8.35E-02	9.09E-02
1831	494561.06	3859151.99	0.05852	7.83E-02	8.23E-02	8.96E-02
1832	494611.06	3859151.99	0.05722	7.66E-02	8.05E-02	8.76E-02
1833	494661.06	3859151.99	0.05636	7.54E-02	7.93E-02	8.63E-02
1834	494711.06	3859151.99	0.05561	7.44E-02	7.82E-02	8.51E-02
1835	494761.06	3859151.99	0.05419	7.25E-02	7.62E-02	8.30E-02
1836	494811.06	3859151.99	0.05301	7.09E-02	7.46E-02	8.12E-02
1837	494861.06	3859151.99	0.05221	6.99E-02	7.35E-02	7.99E-02
1838	494911.06	3859151.99	0.05083	6.80E-02	7.15E-02	7.78E-02
1839	494961.06	3859151.99	0.0489	6.54E-02	6.88E-02	7.49E-02
1840	495011.06	3859151.99	0.04747	6.35E-02	6.68E-02	7.27E-02
1841	495061.06	3859151.99	0.04716	6.31E-02	6.64E-02	7.22E-02
1842	495111.06	3859151.99	0.04674	6.26E-02	6.58E-02	7.16E-02
1843	495161.06	3859151.99	0.04685	6.27E-02	6.59E-02	7.17E-02
1844	495211.06	3859151.99	0.04647	6.22E-02	6.54E-02	7.12E-02
1845	495261.06	3859151.99	0.04611	6.17E-02	6.49E-02	7.06E-02
1846	495311.06	3859151.99	0.04581	6.13E-02	6.45E-02	7.01E-02
1847	495361.06	3859151.99	0.04547	6.09E-02	6.40E-02	6.96E-02
1848	495411.06	3859151.99	0.04553	6.09E-02	6.41E-02	6.97E-02
1849	495461.06	3859151.99	0.04522	6.05E-02	6.36E-02	6.92E-02
1850	495511.06	3859151.99	0.04456	5.96E-02	6.27E-02	6.82E-02
1851	495561.06	3859151.99	0.04405	5.90E-02	6.20E-02	6.74E-02
1852	495611.06	3859151.99	0.0436	5.84E-02	6.13E-02	6.68E-02
1853	495661.06	3859151.99	0.0432	5.78E-02	6.08E-02	6.61E-02
1854	494311.06	3859201.99	0.06653	8.90E-02	9.36E-02	1.02E-01
1855	494361.06	3859201.99	0.06575	8.80E-02	9.25E-02	1.01E-01
1856	494411.06	3859201.99	0.06472	8.66E-02	9.11E-02	9.91E-02
1857	494461.06	3859201.99	0.06332	8.47E-02	8.91E-02	9.70E-02
1858	494511.06	3859201.99	0.06236	8.35E-02	8.77E-02	9.55E-02
1859	494561.06	3859201.99	0.06086	8.15E-02	8.56E-02	9.32E-02
1860	494611.06	3859201.99	0.05969	7.99E-02	8.40E-02	9.14E-02
1861	494661.06	3859201.99	0.05875	7.86E-02	8.27E-02	9.00E-02
1862	494711.06	3859201.99	0.05782	7.74E-02	8.14E-02	8.85E-02
1863	494761.06	3859201.99	0.05639	7.55E-02	7.93E-02	8.63E-02
1864	494811.06	3859201.99	0.0552	7.39E-02	7.77E-02	8.45E-02
1865	494861.06	3859201.99	0.05371	7.19E-02	7.56E-02	8.22E-02
1866	494911.06	3859201.99	0.0523	7.00E-02	7.36E-02	8.01E-02
1867	494961.06	3859201.99	0.05069	6.78E-02	7.13E-02	7.76E-02
1868	495011.06	3859201.99	0.04866	6.51E-02	6.85E-02	7.45E-02
1869	495061.06	3859201.99	0.04915	6.58E-02	6.92E-02	7.53E-02
1870	495111.06	3859201.99	0.04893	6.55E-02	6.88E-02	7.49E-02
1871	495161.06	3859201.99	0.04862	6.51E-02	6.84E-02	7.44E-02
1872	495211.06	3859201.99	0.04805	6.43E-02	6.76E-02	7.36E-02
1873	495261.06	3859201.99	0.04786	6.41E-02	6.73E-02	7.33E-02
1874	495311.06	3859201.99	0.04755	6.36E-02	6.69E-02	7.28E-02
1875	495361.06	3859201.99	0.04729	6.33E-02	6.65E-02	7.24E-02
1876	495411.06	3859201.99	0.04727	6.33E-02	6.65E-02	7.24E-02
1877	495461.06	3859201.99	0.04684	6.27E-02	6.59E-02	7.17E-02
1878	495511.06	3859201.99	0.04642	6.21E-02	6.53E-02	7.11E-02
1879	495561.06	3859201.99	0.04567	6.11E-02	6.43E-02	6.99E-02
1880	495611.06	3859201.99	0.04511	6.04E-02	6.35E-02	6.91E-02
1881	495661.06	3859201.99	0.0447	5.98E-02	6.29E-02	6.84E-02
1882	494311.06	3859251.99	0.06993	9.36E-02	9.84E-02	1.07E-01
1883	494361.06	3859251.99	0.06872	9.20E-02	9.67E-02	1.05E-01
1884	494411.06	3859251.99	0.06714	8.99E-02	9.45E-02	1.03E-01
1885	494461.06	3859251.99	0.06608	8.84E-02	9.30E-02	1.01E-01
1886	494511.06	3859251.99	0.06444	8.62E-02	9.07E-02	9.87E-02

1887	494561.06	3859251.99	0.06334	8.48E-02	8.91E-02	9.70E-02
1888	494611.06	3859251.99	0.06198	8.30E-02	8.72E-02	9.49E-02
1889	494661.06	3859251.99	0.06118	8.19E-02	8.61E-02	9.37E-02
1890	494711.06	3859251.99	0.06015	8.05E-02	8.46E-02	9.21E-02
1891	494761.06	3859251.99	0.0577	7.72E-02	8.12E-02	8.83E-02
1892	494811.06	3859251.99	0.0574	7.68E-02	8.08E-02	8.79E-02
1893	494861.06	3859251.99	0.05518	7.39E-02	7.76E-02	8.45E-02
1894	494911.06	3859251.99	0.05376	7.20E-02	7.56E-02	8.23E-02
1895	494961.06	3859251.99	0.05282	7.07E-02	7.43E-02	8.09E-02
1896	495011.06	3859251.99	0.05173	6.92E-02	7.28E-02	7.92E-02
1897	495061.06	3859251.99	0.05157	6.90E-02	7.26E-02	7.90E-02
1898	495111.06	3859251.99	0.05103	6.83E-02	7.18E-02	7.81E-02
1899	495161.06	3859251.99	0.05066	6.78E-02	7.13E-02	7.76E-02
1900	495211.06	3859251.99	0.05009	6.70E-02	7.05E-02	7.67E-02
1901	495261.06	3859251.99	0.04956	6.63E-02	6.97E-02	7.59E-02
1902	495311.06	3859251.99	0.04956	6.63E-02	6.97E-02	7.59E-02
1903	495361.06	3859251.99	0.04915	6.58E-02	6.92E-02	7.53E-02
1904	495411.06	3859251.99	0.04906	6.57E-02	6.90E-02	7.51E-02
1905	495461.06	3859251.99	0.04862	6.51E-02	6.84E-02	7.44E-02
1906	495511.06	3859251.99	0.04782	6.40E-02	6.73E-02	7.32E-02
1907	495561.06	3859251.99	0.04731	6.33E-02	6.66E-02	7.24E-02
1908	495611.06	3859251.99	0.04661	6.24E-02	6.56E-02	7.14E-02
1909	495661.06	3859251.99	0.0461	6.17E-02	6.49E-02	7.06E-02
1910	494311.06	3859301.99	0.07335	9.82E-02	1.03E-01	1.12E-01
1911	494361.06	3859301.99	0.07195	9.63E-02	1.01E-01	1.10E-01
1912	494411.06	3859301.99	0.07024	9.40E-02	9.88E-02	1.08E-01
1913	494461.06	3859301.99	0.06856	9.18E-02	9.65E-02	1.05E-01
1914	494511.06	3859301.99	0.06711	8.98E-02	9.44E-02	1.03E-01
1915	494561.06	3859301.99	0.06595	8.83E-02	9.28E-02	1.01E-01
1916	494611.06	3859301.99	0.0647	8.66E-02	9.10E-02	9.91E-02
1917	494661.06	3859301.99	0.06349	8.50E-02	8.93E-02	9.72E-02
1918	494711.06	3859301.99	0.0621	8.31E-02	8.74E-02	9.51E-02
1919	494761.06	3859301.99	0.06088	8.15E-02	8.57E-02	9.32E-02
1920	494811.06	3859301.99	0.05924	7.93E-02	8.34E-02	9.07E-02
1921	494861.06	3859301.99	0.05714	7.65E-02	8.04E-02	8.75E-02
1922	494911.06	3859301.99	0.05602	7.50E-02	7.88E-02	8.58E-02
1923	494961.06	3859301.99	0.05398	7.22E-02	7.60E-02	8.27E-02
1924	495011.06	3859301.99	0.05314	7.11E-02	7.48E-02	8.14E-02
1925	495061.06	3859301.99	0.05351	7.16E-02	7.53E-02	8.19E-02
1926	495111.06	3859301.99	0.05255	7.03E-02	7.39E-02	8.05E-02
1927	495161.06	3859301.99	0.05228	7.00E-02	7.36E-02	8.01E-02
1928	495211.06	3859301.99	0.05225	6.99E-02	7.35E-02	8.00E-02
1929	495261.06	3859301.99	0.052	6.96E-02	7.32E-02	7.96E-02
1930	495311.06	3859301.99	0.05121	6.85E-02	7.21E-02	7.84E-02
1931	495361.06	3859301.99	0.05103	6.83E-02	7.18E-02	7.81E-02
1932	495411.06	3859301.99	0.05066	6.78E-02	7.13E-02	7.76E-02
1933	495461.06	3859301.99	0.05035	6.74E-02	7.08E-02	7.71E-02
1934	495511.06	3859301.99	0.04964	6.64E-02	6.98E-02	7.60E-02
1935	495561.06	3859301.99	0.04862	6.51E-02	6.84E-02	7.44E-02
1936	495611.06	3859301.99	0.04809	6.44E-02	6.77E-02	7.36E-02
1937	495661.06	3859301.99	0.04755	6.36E-02	6.69E-02	7.28E-02
1938	494311.06	3859351.99	0.07643	1.02E-01	1.08E-01	1.17E-01
1939	494361.06	3859351.99	0.07491	1.00E-01	1.05E-01	1.15E-01
1940	494411.06	3859351.99	0.07291	9.76E-02	1.03E-01	1.12E-01
1941	494461.06	3859351.99	0.07122	9.53E-02	1.00E-01	1.09E-01
1942	494511.06	3859351.99	0.06972	9.33E-02	9.81E-02	1.07E-01
1943	494561.06	3859351.99	0.06858	9.18E-02	9.65E-02	1.05E-01
1944	494611.06	3859351.99	0.0673	9.01E-02	9.47E-02	1.03E-01
1945	494661.06	3859351.99	0.06598	8.83E-02	9.28E-02	1.01E-01
1946	494711.06	3859351.99	0.06438	8.62E-02	9.06E-02	9.86E-02
1947	494761.06	3859351.99	0.06219	8.32E-02	8.75E-02	9.52E-02
1948	494811.06	3859351.99	0.0601	8.04E-02	8.46E-02	9.20E-02
1949	494861.06	3859351.99	0.05907	7.91E-02	8.31E-02	9.04E-02

1950	494911.06	3859351.99	0.05832	7.81E-02	8.21E-02	8.93E-02
1951	494961.06	3859351.99	0.0572	7.66E-02	8.05E-02	8.76E-02
1952	495011.06	3859351.99	0.05635	7.54E-02	7.93E-02	8.63E-02
1953	495061.06	3859351.99	0.05647	7.56E-02	7.95E-02	8.65E-02
1954	495111.06	3859351.99	0.05556	7.44E-02	7.82E-02	8.51E-02
1955	495161.06	3859351.99	0.05502	7.36E-02	7.74E-02	8.42E-02
1956	495211.06	3859351.99	0.05444	7.29E-02	7.66E-02	8.34E-02
1957	495261.06	3859351.99	0.05412	7.24E-02	7.62E-02	8.29E-02
1958	495311.06	3859351.99	0.05336	7.14E-02	7.51E-02	8.17E-02
1959	495361.06	3859351.99	0.05284	7.07E-02	7.43E-02	8.09E-02
1960	495411.06	3859351.99	0.05249	7.03E-02	7.39E-02	8.04E-02
1961	495461.06	3859351.99	0.05227	7.00E-02	7.35E-02	8.00E-02
1962	495511.06	3859351.99	0.05131	6.87E-02	7.22E-02	7.86E-02
1963	495561.06	3859351.99	0.05056	6.77E-02	7.11E-02	7.74E-02
1964	495611.06	3859351.99	0.04999	6.69E-02	7.03E-02	7.65E-02
1965	495661.06	3859351.99	0.04907	6.57E-02	6.90E-02	7.51E-02
1966	494311.06	3859401.99	0.08004	1.07E-01	1.13E-01	1.23E-01
1967	494361.06	3859401.99	0.07784	1.04E-01	1.10E-01	1.19E-01
1968	494411.06	3859401.99	0.07563	1.01E-01	1.06E-01	1.16E-01
1969	494461.06	3859401.99	0.07397	9.90E-02	1.04E-01	1.13E-01
1970	494511.06	3859401.99	0.07281	9.75E-02	1.02E-01	1.11E-01
1971	494561.06	3859401.99	0.07149	9.57E-02	1.01E-01	1.09E-01
1972	494611.06	3859401.99	0.06993	9.36E-02	9.84E-02	1.07E-01
1973	494661.06	3859401.99	0.06877	9.20E-02	9.68E-02	1.05E-01
1974	494711.06	3859401.99	0.06744	9.03E-02	9.49E-02	1.03E-01
1975	494761.06	3859401.99	0.06485	8.68E-02	9.12E-02	9.93E-02
1976	494811.06	3859401.99	0.06357	8.51E-02	8.94E-02	9.73E-02
1977	494861.06	3859401.99	0.06162	8.25E-02	8.67E-02	9.44E-02
1978	494911.06	3859401.99	0.06018	8.05E-02	8.47E-02	9.21E-02
1979	494961.06	3859401.99	0.05957	7.97E-02	8.38E-02	9.12E-02
1980	495011.06	3859401.99	0.05897	7.89E-02	8.30E-02	9.03E-02
1981	495061.06	3859401.99	0.05825	7.80E-02	8.20E-02	8.92E-02
1982	495111.06	3859401.99	0.05727	7.67E-02	8.06E-02	8.77E-02
1983	495161.06	3859401.99	0.05701	7.63E-02	8.02E-02	8.73E-02
1984	495211.06	3859401.99	0.05669	7.59E-02	7.98E-02	8.68E-02
1985	495261.06	3859401.99	0.05609	7.51E-02	7.89E-02	8.59E-02
1986	495311.06	3859401.99	0.05544	7.42E-02	7.80E-02	8.49E-02
1987	495361.06	3859401.99	0.05521	7.39E-02	7.77E-02	8.45E-02
1988	495411.06	3859401.99	0.05473	7.33E-02	7.70E-02	8.38E-02
1989	495461.06	3859401.99	0.054	7.23E-02	7.60E-02	8.27E-02
1990	495511.06	3859401.99	0.05302	7.10E-02	7.46E-02	8.12E-02
1991	495561.06	3859401.99	0.05193	6.95E-02	7.31E-02	7.95E-02
1992	495611.06	3859401.99	0.05126	6.86E-02	7.21E-02	7.85E-02
1993	495661.06	3859401.99	0.05068	6.78E-02	7.13E-02	7.76E-02
1994	494311.06	3859451.99	0.08283	1.11E-01	1.17E-01	1.27E-01
1995	494361.06	3859451.99	0.0807	1.08E-01	1.14E-01	1.24E-01
1996	494411.06	3859451.99	0.07787	1.04E-01	1.10E-01	1.19E-01
1997	494461.06	3859451.99	0.0768	1.03E-01	1.08E-01	1.18E-01
1998	494511.06	3859451.99	0.07513	1.01E-01	1.06E-01	1.15E-01
1999	494561.06	3859451.99	0.07376	9.87E-02	1.04E-01	1.13E-01
2000	494611.06	3859451.99	0.07287	9.75E-02	1.03E-01	1.12E-01
2001	494661.06	3859451.99	0.07119	9.53E-02	1.00E-01	1.09E-01
2002	494711.06	3859451.99	0.06955	9.31E-02	9.79E-02	1.06E-01
2003	494761.06	3859451.99	0.06818	9.13E-02	9.59E-02	1.04E-01
2004	494811.06	3859451.99	0.06624	8.87E-02	9.32E-02	1.01E-01
2005	494861.06	3859451.99	0.06467	8.66E-02	9.10E-02	9.90E-02
2006	494911.06	3859451.99	0.06346	8.49E-02	8.93E-02	9.72E-02
2007	494961.06	3859451.99	0.06266	8.39E-02	8.82E-02	9.59E-02
2008	495011.06	3859451.99	0.06174	8.26E-02	8.69E-02	9.45E-02
2009	495061.06	3859451.99	0.06083	8.14E-02	8.56E-02	9.31E-02
2010	495111.06	3859451.99	0.05992	8.02E-02	8.43E-02	9.17E-02
2011	495161.06	3859451.99	0.05938	7.95E-02	8.36E-02	9.09E-02
2012	495211.06	3859451.99	0.05897	7.89E-02	8.30E-02	9.03E-02

2013	495261.06	3859451.99	0.05852	7.83E-02	8.23E-02	8.96E-02
2014	495311.06	3859451.99	0.05779	7.73E-02	8.13E-02	8.85E-02
2015	495361.06	3859451.99	0.05719	7.65E-02	8.05E-02	8.76E-02
2016	495411.06	3859451.99	0.05645	7.56E-02	7.94E-02	8.64E-02
2017	495461.06	3859451.99	0.05584	7.47E-02	7.86E-02	8.55E-02
2018	495511.06	3859451.99	0.05467	7.32E-02	7.69E-02	8.37E-02
2019	495561.06	3859451.99	0.05388	7.21E-02	7.58E-02	8.25E-02
2020	495611.06	3859451.99	0.05313	7.11E-02	7.48E-02	8.14E-02
2021	495661.06	3859451.99	0.05242	7.02E-02	7.38E-02	8.03E-02
2022	494311.06	3859501.99	0.08604	1.15E-01	1.21E-01	1.32E-01
2023	494361.06	3859501.99	0.08375	1.12E-01	1.18E-01	1.28E-01
2024	494411.06	3859501.99	0.08014	1.07E-01	1.13E-01	1.23E-01
2025	494461.06	3859501.99	0.07982	1.07E-01	1.12E-01	1.22E-01
2026	494511.06	3859501.99	0.07785	1.04E-01	1.10E-01	1.19E-01
2027	494561.06	3859501.99	0.07618	1.02E-01	1.07E-01	1.17E-01
2028	494611.06	3859501.99	0.07597	1.02E-01	1.07E-01	1.16E-01
2029	494661.06	3859501.99	0.07393	9.89E-02	1.04E-01	1.13E-01
2030	494711.06	3859501.99	0.07164	9.59E-02	1.01E-01	1.10E-01
2031	494761.06	3859501.99	0.07101	9.50E-02	9.99E-02	1.09E-01
2032	494811.06	3859501.99	0.06831	9.14E-02	9.61E-02	1.05E-01
2033	494861.06	3859501.99	0.06711	8.98E-02	9.44E-02	1.03E-01
2034	494911.06	3859501.99	0.06629	8.87E-02	9.33E-02	1.02E-01
2035	494961.06	3859501.99	0.0649	8.69E-02	9.13E-02	9.94E-02
2036	495011.06	3859501.99	0.06414	8.58E-02	9.02E-02	9.82E-02
2037	495061.06	3859501.99	0.06343	8.49E-02	8.92E-02	9.71E-02
2038	495111.06	3859501.99	0.06216	8.32E-02	8.75E-02	9.52E-02
2039	495161.06	3859501.99	0.06151	8.23E-02	8.65E-02	9.42E-02
2040	495211.06	3859501.99	0.06111	8.18E-02	8.60E-02	9.36E-02
2041	495261.06	3859501.99	0.06046	8.09E-02	8.51E-02	9.26E-02
2042	495311.06	3859501.99	0.05992	8.02E-02	8.43E-02	9.17E-02
2043	495361.06	3859501.99	0.0592	7.92E-02	8.33E-02	9.06E-02
2044	495411.06	3859501.99	0.05853	7.83E-02	8.24E-02	8.96E-02
2045	495461.06	3859501.99	0.05774	7.73E-02	8.12E-02	8.84E-02
2046	495511.06	3859501.99	0.05608	7.51E-02	7.89E-02	8.59E-02
2047	495561.06	3859501.99	0.05583	7.47E-02	7.86E-02	8.55E-02
2048	495611.06	3859501.99	0.05497	7.36E-02	7.73E-02	8.42E-02
2049	495661.06	3859501.99	0.05406	7.24E-02	7.61E-02	8.28E-02
2050	494311.06	3859551.99	0.08908	1.19E-01	1.25E-01	1.36E-01
2051	494361.06	3859551.99	0.08588	1.15E-01	1.21E-01	1.31E-01
2052	494411.06	3859551.99	0.08226	1.10E-01	1.16E-01	1.26E-01
2053	494461.06	3859551.99	0.08254	1.10E-01	1.16E-01	1.26E-01
2054	494511.06	3859551.99	0.08051	1.08E-01	1.13E-01	1.23E-01
2055	494561.06	3859551.99	0.07895	1.06E-01	1.11E-01	1.21E-01
2056	494611.06	3859551.99	0.07797	1.04E-01	1.10E-01	1.19E-01
2057	494661.06	3859551.99	0.07665	1.03E-01	1.08E-01	1.17E-01
2058	494711.06	3859551.99	0.07319	9.80E-02	1.03E-01	1.12E-01
2059	494761.06	3859551.99	0.07346	9.83E-02	1.03E-01	1.12E-01
2060	494811.06	3859551.99	0.07101	9.50E-02	9.99E-02	1.09E-01
2061	494861.06	3859551.99	0.0698	9.34E-02	9.82E-02	1.07E-01
2062	494911.06	3859551.99	0.0684	9.15E-02	9.62E-02	1.05E-01
2063	494961.06	3859551.99	0.06758	9.05E-02	9.51E-02	1.03E-01
2064	495011.06	3859551.99	0.06692	8.96E-02	9.42E-02	1.02E-01
2065	495061.06	3859551.99	0.06587	8.82E-02	9.27E-02	1.01E-01
2066	495111.06	3859551.99	0.0646	8.65E-02	9.09E-02	9.89E-02
2067	495161.06	3859551.99	0.06401	8.57E-02	9.01E-02	9.80E-02
2068	495211.06	3859551.99	0.06357	8.51E-02	8.94E-02	9.73E-02
2069	495261.06	3859551.99	0.06256	8.37E-02	8.80E-02	9.58E-02
2070	495311.06	3859551.99	0.06173	8.26E-02	8.69E-02	9.45E-02
2071	495361.06	3859551.99	0.06105	8.17E-02	8.59E-02	9.35E-02
2072	495411.06	3859551.99	0.06051	8.10E-02	8.51E-02	9.27E-02
2073	495461.06	3859551.99	0.05933	7.94E-02	8.35E-02	9.08E-02
2074	495511.06	3859551.99	0.05815	7.78E-02	8.18E-02	8.90E-02
2075	495561.06	3859551.99	0.05739	7.68E-02	8.08E-02	8.79E-02

2076	495611.06	3859551.99	0.05661	7.58E-02	7.97E-02	8.67E-02
2077	495661.06	3859551.99	0.05569	7.45E-02	7.84E-02	8.53E-02
2078	494311.06	3859601.99	0.09254	1.24E-01	1.30E-01	1.42E-01
2079	494361.06	3859601.99	0.08788	1.18E-01	1.24E-01	1.35E-01
2080	494411.06	3859601.99	0.08542	1.14E-01	1.20E-01	1.31E-01
2081	494461.06	3859601.99	0.08536	1.14E-01	1.20E-01	1.31E-01
2082	494511.06	3859601.99	0.08252	1.10E-01	1.16E-01	1.26E-01
2083	494561.06	3859601.99	0.08208	1.10E-01	1.15E-01	1.26E-01
2084	494611.06	3859601.99	0.08114	1.09E-01	1.14E-01	1.24E-01
2085	494661.06	3859601.99	0.07804	1.04E-01	1.10E-01	1.19E-01
2086	494711.06	3859601.99	0.0757	1.01E-01	1.07E-01	1.16E-01
2087	494761.06	3859601.99	0.07655	1.02E-01	1.08E-01	1.17E-01
2088	494811.06	3859601.99	0.07385	9.88E-02	1.04E-01	1.13E-01
2089	494861.06	3859601.99	0.07269	9.73E-02	1.02E-01	1.11E-01
2090	494911.06	3859601.99	0.07074	9.47E-02	9.95E-02	1.08E-01
2091	494961.06	3859601.99	0.0707	9.46E-02	9.95E-02	1.08E-01
2092	495011.06	3859601.99	0.06872	9.20E-02	9.67E-02	1.05E-01
2093	495061.06	3859601.99	0.06829	9.14E-02	9.61E-02	1.05E-01
2094	495111.06	3859601.99	0.06686	8.95E-02	9.41E-02	1.02E-01
2095	495161.06	3859601.99	0.06627	8.87E-02	9.32E-02	1.01E-01
2096	495211.06	3859601.99	0.06541	8.75E-02	9.20E-02	1.00E-01
2097	495261.06	3859601.99	0.06471	8.66E-02	9.11E-02	9.91E-02
2098	495311.06	3859601.99	0.06408	8.58E-02	9.02E-02	9.81E-02
2099	495361.06	3859601.99	0.06317	8.45E-02	8.89E-02	9.67E-02
2100	495411.06	3859601.99	0.06252	8.37E-02	8.80E-02	9.57E-02
2101	495461.06	3859601.99	0.06105	8.17E-02	8.59E-02	9.35E-02
2102	495511.06	3859601.99	0.05973	7.99E-02	8.40E-02	9.15E-02
2103	495561.06	3859601.99	0.05933	7.94E-02	8.35E-02	9.08E-02
2104	495611.06	3859601.99	0.05791	7.75E-02	8.15E-02	8.87E-02
2105	495661.06	3859601.99	0.05732	7.67E-02	8.07E-02	8.78E-02
2106	494311.06	3859651.99	0.09466	1.27E-01	1.33E-01	1.45E-01
2107	494361.06	3859651.99	0.09032	1.21E-01	1.27E-01	1.38E-01
2108	494411.06	3859651.99	0.08855	1.19E-01	1.25E-01	1.36E-01
2109	494461.06	3859651.99	0.08834	1.18E-01	1.24E-01	1.35E-01
2110	494511.06	3859651.99	0.08643	1.16E-01	1.22E-01	1.32E-01
2111	494561.06	3859651.99	0.08518	1.14E-01	1.20E-01	1.30E-01
2112	494611.06	3859651.99	0.08384	1.12E-01	1.18E-01	1.28E-01
2113	494661.06	3859651.99	0.08009	1.07E-01	1.13E-01	1.23E-01
2114	494711.06	3859651.99	0.07899	1.06E-01	1.11E-01	1.21E-01
2115	494761.06	3859651.99	0.07846	1.05E-01	1.10E-01	1.20E-01
2116	494811.06	3859651.99	0.07651	1.02E-01	1.08E-01	1.17E-01
2117	494861.06	3859651.99	0.07547	1.01E-01	1.06E-01	1.16E-01
2118	494911.06	3859651.99	0.07404	9.91E-02	1.04E-01	1.13E-01
2119	494961.06	3859651.99	0.07295	9.76E-02	1.03E-01	1.12E-01
2120	495011.06	3859651.99	0.0717	9.60E-02	1.01E-01	1.10E-01
2121	495061.06	3859651.99	0.07087	9.49E-02	9.97E-02	1.09E-01
2122	495111.06	3859651.99	0.06955	9.31E-02	9.79E-02	1.06E-01
2123	495161.06	3859651.99	0.06858	9.18E-02	9.65E-02	1.05E-01
2124	495211.06	3859651.99	0.06781	9.08E-02	9.54E-02	1.04E-01
2125	495261.06	3859651.99	0.06682	8.94E-02	9.40E-02	1.02E-01
2126	495311.06	3859651.99	0.06599	8.83E-02	9.29E-02	1.01E-01
2127	495361.06	3859651.99	0.06524	8.73E-02	9.18E-02	9.99E-02
2128	495411.06	3859651.99	0.0643	8.61E-02	9.05E-02	9.85E-02
2129	495461.06	3859651.99	0.06281	8.41E-02	8.84E-02	9.62E-02
2130	495511.06	3859651.99	0.06154	8.24E-02	8.66E-02	9.42E-02
2131	495561.06	3859651.99	0.06084	8.14E-02	8.56E-02	9.32E-02
2132	495611.06	3859651.99	0.05989	8.02E-02	8.43E-02	9.17E-02
2133	495661.06	3859651.99	0.05888	7.88E-02	8.28E-02	9.02E-02
2134	494311.06	3859701.99	0.09404	1.26E-01	1.32E-01	1.44E-01
2135	494361.06	3859701.99	0.09201	1.23E-01	1.29E-01	1.41E-01
2136	494411.06	3859701.99	0.09087	1.22E-01	1.28E-01	1.39E-01
2137	494461.06	3859701.99	0.09119	1.22E-01	1.28E-01	1.40E-01
2138	494511.06	3859701.99	0.08944	1.20E-01	1.26E-01	1.37E-01

2139	494561.06	3859701.99	0.0882	1.18E-01	1.24E-01	1.35E-01
2140	494611.06	3859701.99	0.08685	1.16E-01	1.22E-01	1.33E-01
2141	494661.06	3859701.99	0.08293	1.11E-01	1.17E-01	1.27E-01
2142	494711.06	3859701.99	0.08234	1.10E-01	1.16E-01	1.26E-01
2143	494761.06	3859701.99	0.08048	1.08E-01	1.13E-01	1.23E-01
2144	494811.06	3859701.99	0.07862	1.05E-01	1.11E-01	1.20E-01
2145	494861.06	3859701.99	0.07821	1.05E-01	1.10E-01	1.20E-01
2146	494911.06	3859701.99	0.07669	1.03E-01	1.08E-01	1.17E-01
2147	494961.06	3859701.99	0.07526	1.01E-01	1.06E-01	1.15E-01
2148	495011.06	3859701.99	0.07437	9.95E-02	1.05E-01	1.14E-01
2149	495061.06	3859701.99	0.0732	9.80E-02	1.03E-01	1.12E-01
2150	495111.06	3859701.99	0.07202	9.64E-02	1.01E-01	1.10E-01
2151	495161.06	3859701.99	0.07077	9.47E-02	9.96E-02	1.08E-01
2152	495211.06	3859701.99	0.06948	9.30E-02	9.78E-02	1.06E-01
2153	495261.06	3859701.99	0.06903	9.24E-02	9.71E-02	1.06E-01
2154	495311.06	3859701.99	0.06787	9.08E-02	9.55E-02	1.04E-01
2155	495361.06	3859701.99	0.06682	8.94E-02	9.40E-02	1.02E-01
2156	495411.06	3859701.99	0.06547	8.76E-02	9.21E-02	1.00E-01
2157	495461.06	3859701.99	0.0644	8.62E-02	9.06E-02	9.86E-02
2158	495511.06	3859701.99	0.06264	8.38E-02	8.81E-02	9.59E-02
2159	495561.06	3859701.99	0.06244	8.36E-02	8.79E-02	9.56E-02
2160	495611.06	3859701.99	0.0615	8.23E-02	8.65E-02	9.42E-02
2161	495661.06	3859701.99	0.06051	8.10E-02	8.51E-02	9.27E-02
2162	494311.06	3859751.99	0.09785	1.31E-01	1.38E-01	1.50E-01
2163	494361.06	3859751.99	0.09592	1.28E-01	1.35E-01	1.47E-01
2164	494411.06	3859751.99	0.09365	1.25E-01	1.32E-01	1.43E-01
2165	494461.06	3859751.99	0.09352	1.25E-01	1.32E-01	1.43E-01
2166	494511.06	3859751.99	0.09274	1.24E-01	1.30E-01	1.42E-01
2167	494561.06	3859751.99	0.09101	1.22E-01	1.28E-01	1.39E-01
2168	494611.06	3859751.99	0.08886	1.19E-01	1.25E-01	1.36E-01
2169	494661.06	3859751.99	0.08544	1.14E-01	1.20E-01	1.31E-01
2170	494711.06	3859751.99	0.08508	1.14E-01	1.20E-01	1.30E-01
2171	494761.06	3859751.99	0.0839	1.12E-01	1.18E-01	1.28E-01
2172	494811.06	3859751.99	0.08212	1.10E-01	1.16E-01	1.26E-01
2173	494861.06	3859751.99	0.08083	1.08E-01	1.14E-01	1.24E-01
2174	494911.06	3859751.99	0.07952	1.06E-01	1.12E-01	1.22E-01
2175	494961.06	3859751.99	0.07825	1.05E-01	1.10E-01	1.20E-01
2176	495011.06	3859751.99	0.0769	1.03E-01	1.08E-01	1.18E-01
2177	495061.06	3859751.99	0.07595	1.02E-01	1.07E-01	1.16E-01
2178	495111.06	3859751.99	0.07467	9.99E-02	1.05E-01	1.14E-01
2179	495161.06	3859751.99	0.07331	9.81E-02	1.03E-01	1.12E-01
2180	495211.06	3859751.99	0.07192	9.63E-02	1.01E-01	1.10E-01
2181	495261.06	3859751.99	0.07099	9.50E-02	9.99E-02	1.09E-01
2182	495311.06	3859751.99	0.0698	9.34E-02	9.82E-02	1.07E-01
2183	495361.06	3859751.99	0.06871	9.20E-02	9.67E-02	1.05E-01
2184	495411.06	3859751.99	0.06768	9.06E-02	9.52E-02	1.04E-01
2185	495461.06	3859751.99	0.06625	8.87E-02	9.32E-02	1.01E-01
2186	495511.06	3859751.99	0.06486	8.68E-02	9.13E-02	9.93E-02
2187	495561.06	3859751.99	0.06388	8.55E-02	8.99E-02	9.78E-02
2188	495611.06	3859751.99	0.06293	8.42E-02	8.85E-02	9.64E-02
2189	495661.06	3859751.99	0.0622	8.33E-02	8.75E-02	9.52E-02
2190	494311.06	3859801.99	0.10155	1.36E-01	1.43E-01	1.55E-01
2191	494361.06	3859801.99	0.09879	1.32E-01	1.39E-01	1.51E-01
2192	494411.06	3859801.99	0.09597	1.28E-01	1.35E-01	1.47E-01
2193	494461.06	3859801.99	0.09563	1.28E-01	1.35E-01	1.46E-01
2194	494511.06	3859801.99	0.09549	1.28E-01	1.34E-01	1.46E-01
2195	494561.06	3859801.99	0.09376	1.25E-01	1.32E-01	1.44E-01
2196	494611.06	3859801.99	0.09062	1.21E-01	1.28E-01	1.39E-01
2197	494661.06	3859801.99	0.08878	1.19E-01	1.25E-01	1.36E-01
2198	494711.06	3859801.99	0.08662	1.16E-01	1.22E-01	1.33E-01
2199	494761.06	3859801.99	0.08643	1.16E-01	1.22E-01	1.32E-01
2200	494811.06	3859801.99	0.08473	1.13E-01	1.19E-01	1.30E-01
2201	494861.06	3859801.99	0.08351	1.12E-01	1.18E-01	1.28E-01

2202	494911.06	3859801.99	0.08173	1.09E-01	1.15E-01	1.25E-01
2203	494961.06	3859801.99	0.08041	1.08E-01	1.13E-01	1.23E-01
2204	495011.06	3859801.99	0.07903	1.06E-01	1.11E-01	1.21E-01
2205	495061.06	3859801.99	0.07792	1.04E-01	1.10E-01	1.19E-01
2206	495111.06	3859801.99	0.0764	1.02E-01	1.07E-01	1.17E-01
2207	495161.06	3859801.99	0.075	1.00E-01	1.06E-01	1.15E-01
2208	495211.06	3859801.99	0.07397	9.90E-02	1.04E-01	1.13E-01
2209	495261.06	3859801.99	0.07258	9.71E-02	1.02E-01	1.11E-01
2210	495311.06	3859801.99	0.07166	9.59E-02	1.01E-01	1.10E-01
2211	495361.06	3859801.99	0.07044	9.43E-02	9.91E-02	1.08E-01
2212	495411.06	3859801.99	0.06908	9.25E-02	9.72E-02	1.06E-01
2213	495461.06	3859801.99	0.06798	9.10E-02	9.57E-02	1.04E-01
2214	495511.06	3859801.99	0.06647	8.90E-02	9.35E-02	1.02E-01
2215	495561.06	3859801.99	0.06557	8.78E-02	9.23E-02	1.00E-01
2216	495611.06	3859801.99	0.06503	8.70E-02	9.15E-02	9.96E-02
2217	495661.06	3859801.99	0.06373	8.53E-02	8.97E-02	9.76E-02
2218	494311.06	3859851.99	0.10417	1.39E-01	1.47E-01	1.60E-01
2219	494361.06	3859851.99	0.10178	1.36E-01	1.43E-01	1.56E-01
2220	494411.06	3859851.99	0.09918	1.33E-01	1.40E-01	1.52E-01
2221	494461.06	3859851.99	0.09723	1.30E-01	1.37E-01	1.49E-01
2222	494511.06	3859851.99	0.09645	1.29E-01	1.36E-01	1.48E-01
2223	494561.06	3859851.99	0.09596	1.28E-01	1.35E-01	1.47E-01
2224	494611.06	3859851.99	0.09255	1.24E-01	1.30E-01	1.42E-01
2225	494661.06	3859851.99	0.09159	1.23E-01	1.29E-01	1.40E-01
2226	494711.06	3859851.99	0.08909	1.19E-01	1.25E-01	1.36E-01
2227	494761.06	3859851.99	0.08867	1.19E-01	1.25E-01	1.36E-01
2228	494811.06	3859851.99	0.08702	1.16E-01	1.22E-01	1.33E-01
2229	494861.06	3859851.99	0.08592	1.15E-01	1.21E-01	1.32E-01
2230	494911.06	3859851.99	0.08412	1.13E-01	1.18E-01	1.29E-01
2231	494961.06	3859851.99	0.08272	1.11E-01	1.16E-01	1.27E-01
2232	495011.06	3859851.99	0.08132	1.09E-01	1.14E-01	1.25E-01
2233	495061.06	3859851.99	0.08017	1.07E-01	1.13E-01	1.23E-01
2234	495111.06	3859851.99	0.07849	1.05E-01	1.10E-01	1.20E-01
2235	495161.06	3859851.99	0.07711	1.03E-01	1.08E-01	1.18E-01
2236	495211.06	3859851.99	0.07584	1.02E-01	1.07E-01	1.16E-01
2237	495261.06	3859851.99	0.07452	9.97E-02	1.05E-01	1.14E-01
2238	495311.06	3859851.99	0.07347	9.83E-02	1.03E-01	1.12E-01
2239	495361.06	3859851.99	0.07232	9.68E-02	1.02E-01	1.11E-01
2240	495411.06	3859851.99	0.07094	9.49E-02	9.98E-02	1.09E-01
2241	495461.06	3859851.99	0.06963	9.32E-02	9.80E-02	1.07E-01
2242	495511.06	3859851.99	0.06822	9.13E-02	9.60E-02	1.04E-01
2243	495561.06	3859851.99	0.0674	9.02E-02	9.48E-02	1.03E-01
2244	495611.06	3859851.99	0.06654	8.91E-02	9.36E-02	1.02E-01
2245	495661.06	3859851.99	0.06524	8.73E-02	9.18E-02	9.99E-02
2246	494311.06	3859901.99	0.10639	1.42E-01	1.50E-01	1.63E-01
2247	494361.06	3859901.99	0.10296	1.38E-01	1.45E-01	1.58E-01
2248	494411.06	3859901.99	0.10169	1.36E-01	1.43E-01	1.56E-01
2249	494461.06	3859901.99	0.09973	1.33E-01	1.40E-01	1.53E-01
2250	494511.06	3859901.99	0.09839	1.32E-01	1.38E-01	1.51E-01
2251	494561.06	3859901.99	0.0983	1.32E-01	1.38E-01	1.51E-01
2252	494611.06	3859901.99	0.09466	1.27E-01	1.33E-01	1.45E-01
2253	494661.06	3859901.99	0.0943	1.26E-01	1.33E-01	1.44E-01
2254	494711.06	3859901.99	0.09093	1.22E-01	1.28E-01	1.39E-01
2255	494761.06	3859901.99	0.09015	1.21E-01	1.27E-01	1.38E-01
2256	494811.06	3859901.99	0.08941	1.20E-01	1.26E-01	1.37E-01
2257	494861.06	3859901.99	0.08818	1.18E-01	1.24E-01	1.35E-01
2258	494911.06	3859901.99	0.08629	1.15E-01	1.21E-01	1.32E-01
2259	494961.06	3859901.99	0.08502	1.14E-01	1.20E-01	1.30E-01
2260	495011.06	3859901.99	0.08337	1.12E-01	1.17E-01	1.28E-01
2261	495061.06	3859901.99	0.08193	1.10E-01	1.15E-01	1.25E-01
2262	495111.06	3859901.99	0.08018	1.07E-01	1.13E-01	1.23E-01
2263	495161.06	3859901.99	0.07859	1.05E-01	1.11E-01	1.20E-01
2264	495211.06	3859901.99	0.0776	1.04E-01	1.09E-01	1.19E-01

2265	495261.06	3859901.99	0.07585	1.02E-01	1.07E-01	1.16E-01
2266	495311.06	3859901.99	0.07492	1.00E-01	1.05E-01	1.15E-01
2267	495361.06	3859901.99	0.07361	9.85E-02	1.04E-01	1.13E-01
2268	495411.06	3859901.99	0.07216	9.66E-02	1.02E-01	1.10E-01
2269	495461.06	3859901.99	0.0709	9.49E-02	9.98E-02	1.09E-01
2270	495511.06	3859901.99	0.06997	9.36E-02	9.85E-02	1.07E-01
2271	495561.06	3859901.99	0.06905	9.24E-02	9.72E-02	1.06E-01
2272	495611.06	3859901.99	0.06779	9.07E-02	9.54E-02	1.04E-01
2273	495661.06	3859901.99	0.06648	8.90E-02	9.35E-02	1.02E-01
2274	494311.06	3859951.99	0.10886	1.46E-01	1.53E-01	1.67E-01
2275	494361.06	3859951.99	0.10621	1.42E-01	1.49E-01	1.63E-01
2276	494411.06	3859951.99	0.10385	1.39E-01	1.46E-01	1.59E-01
2277	494461.06	3859951.99	0.10187	1.36E-01	1.43E-01	1.56E-01
2278	494511.06	3859951.99	0.10052	1.35E-01	1.41E-01	1.54E-01
2279	494561.06	3859951.99	0.10077	1.35E-01	1.42E-01	1.54E-01
2280	494611.06	3859951.99	0.09739	1.30E-01	1.37E-01	1.49E-01
2281	494661.06	3859951.99	0.0968	1.30E-01	1.36E-01	1.48E-01
2282	494711.06	3859951.99	0.09381	1.26E-01	1.32E-01	1.44E-01
2283	494761.06	3859951.99	0.09257	1.24E-01	1.30E-01	1.42E-01
2284	494811.06	3859951.99	0.09116	1.22E-01	1.28E-01	1.40E-01
2285	494861.06	3859951.99	0.09025	1.21E-01	1.27E-01	1.38E-01
2286	494911.06	3859951.99	0.08826	1.18E-01	1.24E-01	1.35E-01
2287	494961.06	3859951.99	0.08646	1.16E-01	1.22E-01	1.32E-01
2288	495011.06	3859951.99	0.08485	1.14E-01	1.19E-01	1.30E-01
2289	495061.06	3859951.99	0.08351	1.12E-01	1.18E-01	1.28E-01
2290	495111.06	3859951.99	0.08174	1.09E-01	1.15E-01	1.25E-01
2291	495161.06	3859951.99	0.08007	1.07E-01	1.13E-01	1.23E-01
2292	495211.06	3859951.99	0.07848	1.05E-01	1.10E-01	1.20E-01
2293	495261.06	3859951.99	0.07716	1.03E-01	1.09E-01	1.18E-01
2294	495311.06	3859951.99	0.0763	1.02E-01	1.07E-01	1.17E-01
2295	495361.06	3859951.99	0.07515	1.01E-01	1.06E-01	1.15E-01
2296	495411.06	3859951.99	0.07369	9.86E-02	1.04E-01	1.13E-01
2297	495461.06	3859951.99	0.07239	9.69E-02	1.02E-01	1.11E-01
2298	495511.06	3859951.99	0.07111	9.52E-02	1.00E-01	1.09E-01
2299	495561.06	3859951.99	0.07045	9.43E-02	9.91E-02	1.08E-01
2300	495611.06	3859951.99	0.06915	9.26E-02	9.73E-02	1.06E-01
2301	495661.06	3859951.99	0.0677	9.06E-02	9.53E-02	1.04E-01
2302	494311.06	3860001.99	0.11093	1.48E-01	1.56E-01	1.70E-01
2303	494361.06	3860001.99	0.10869	1.45E-01	1.53E-01	1.66E-01
2304	494411.06	3860001.99	0.10563	1.41E-01	1.49E-01	1.62E-01
2305	494461.06	3860001.99	0.10404	1.39E-01	1.46E-01	1.59E-01
2306	494511.06	3860001.99	0.10172	1.36E-01	1.43E-01	1.56E-01
2307	494561.06	3860001.99	0.10269	1.37E-01	1.44E-01	1.57E-01
2308	494611.06	3860001.99	0.10023	1.34E-01	1.41E-01	1.53E-01
2309	494661.06	3860001.99	0.09871	1.32E-01	1.39E-01	1.51E-01
2310	494711.06	3860001.99	0.09468	1.27E-01	1.33E-01	1.45E-01
2311	494761.06	3860001.99	0.09448	1.26E-01	1.33E-01	1.45E-01
2312	494811.06	3860001.99	0.09324	1.25E-01	1.31E-01	1.43E-01
2313	494861.06	3860001.99	0.09223	1.23E-01	1.30E-01	1.41E-01
2314	494911.06	3860001.99	0.08879	1.19E-01	1.25E-01	1.36E-01
2315	494961.06	3860001.99	0.08775	1.17E-01	1.23E-01	1.34E-01
2316	495011.06	3860001.99	0.08596	1.15E-01	1.21E-01	1.32E-01
2317	495061.06	3860001.99	0.08501	1.14E-01	1.20E-01	1.30E-01
2318	495111.06	3860001.99	0.08323	1.11E-01	1.17E-01	1.27E-01
2319	495161.06	3860001.99	0.08152	1.09E-01	1.15E-01	1.25E-01
2320	495211.06	3860001.99	0.08058	1.08E-01	1.13E-01	1.23E-01
2321	495261.06	3860001.99	0.07904	1.06E-01	1.11E-01	1.21E-01
2322	495311.06	3860001.99	0.07783	1.04E-01	1.10E-01	1.19E-01
2323	495361.06	3860001.99	0.07582	1.01E-01	1.07E-01	1.16E-01
2324	495411.06	3860001.99	0.07517	1.01E-01	1.06E-01	1.15E-01
2325	495461.06	3860001.99	0.0739	9.89E-02	1.04E-01	1.13E-01
2326	495511.06	3860001.99	0.0727	9.73E-02	1.02E-01	1.11E-01
2327	495561.06	3860001.99	0.07186	9.62E-02	1.01E-01	1.10E-01

2328	495611.06	3860001.99	0.07043	9.43E-02	9.91E-02	1.08E-01
2329	495661.06	3860001.99	0.06909	9.25E-02	9.72E-02	1.06E-01
2330	494411.06	3860051.99	0.1079	1.44E-01	1.52E-01	1.65E-01
2331	494461.06	3860051.99	0.10569	1.41E-01	1.49E-01	1.62E-01
2332	494511.06	3860051.99	0.10371	1.39E-01	1.46E-01	1.59E-01
2333	494561.06	3860051.99	0.10335	1.38E-01	1.45E-01	1.58E-01
2334	494611.06	3860051.99	0.10203	1.37E-01	1.44E-01	1.56E-01
2335	494661.06	3860051.99	0.10046	1.34E-01	1.41E-01	1.54E-01
2336	494711.06	3860051.99	0.09752	1.31E-01	1.37E-01	1.49E-01
2337	494761.06	3860051.99	0.09617	1.29E-01	1.35E-01	1.47E-01
2338	494811.06	3860051.99	0.09539	1.28E-01	1.34E-01	1.46E-01
2339	494861.06	3860051.99	0.09444	1.26E-01	1.33E-01	1.45E-01
2340	494911.06	3860051.99	0.09218	1.23E-01	1.30E-01	1.41E-01
2341	494961.06	3860051.99	0.08988	1.20E-01	1.26E-01	1.38E-01
2342	495011.06	3860051.99	0.0879	1.18E-01	1.24E-01	1.35E-01
2343	495061.06	3860051.99	0.08629	1.15E-01	1.21E-01	1.32E-01
2344	495111.06	3860051.99	0.08427	1.13E-01	1.19E-01	1.29E-01
2345	495161.06	3860051.99	0.0828	1.11E-01	1.17E-01	1.27E-01
2346	495211.06	3860051.99	0.08117	1.09E-01	1.14E-01	1.24E-01
2347	495261.06	3860051.99	0.08	1.07E-01	1.13E-01	1.22E-01
2348	495311.06	3860051.99	0.07899	1.06E-01	1.11E-01	1.21E-01
2349	495361.06	3860051.99	0.0778	1.04E-01	1.09E-01	1.19E-01
2350	495411.06	3860051.99	0.07654	1.02E-01	1.08E-01	1.17E-01
2351	495461.06	3860051.99	0.07517	1.01E-01	1.06E-01	1.15E-01
2352	495511.06	3860051.99	0.07416	9.93E-02	1.04E-01	1.14E-01
2353	495561.06	3860051.99	0.07298	9.77E-02	1.03E-01	1.12E-01
2354	495611.06	3860051.99	0.07169	9.60E-02	1.01E-01	1.10E-01
2355	495661.06	3860051.99	0.07016	9.39E-02	9.87E-02	1.07E-01
2356	494411.06	3860101.99	0.10814	1.45E-01	1.52E-01	1.66E-01
2357	494461.06	3860101.99	0.10748	1.44E-01	1.51E-01	1.65E-01
2358	494511.06	3860101.99	0.10457	1.40E-01	1.47E-01	1.60E-01
2359	494561.06	3860101.99	0.10336	1.38E-01	1.45E-01	1.58E-01
2360	494611.06	3860101.99	0.10292	1.38E-01	1.45E-01	1.58E-01
2361	494661.06	3860101.99	0.10155	1.36E-01	1.43E-01	1.55E-01
2362	494711.06	3860101.99	0.09891	1.32E-01	1.39E-01	1.51E-01
2363	494761.06	3860101.99	0.09747	1.30E-01	1.37E-01	1.49E-01
2364	494811.06	3860101.99	0.09616	1.29E-01	1.35E-01	1.47E-01
2365	494861.06	3860101.99	0.09645	1.29E-01	1.36E-01	1.48E-01
2366	494911.06	3860101.99	0.09235	1.24E-01	1.30E-01	1.41E-01
2367	494961.06	3860101.99	0.09091	1.22E-01	1.28E-01	1.39E-01
2368	495011.06	3860101.99	0.08896	1.19E-01	1.25E-01	1.36E-01
2369	495061.06	3860101.99	0.08716	1.17E-01	1.23E-01	1.33E-01
2370	495111.06	3860101.99	0.08507	1.14E-01	1.20E-01	1.30E-01
2371	495161.06	3860101.99	0.0839	1.12E-01	1.18E-01	1.28E-01
2372	495211.06	3860101.99	0.08246	1.10E-01	1.16E-01	1.26E-01
2373	495261.06	3860101.99	0.08103	1.08E-01	1.14E-01	1.24E-01
2374	495311.06	3860101.99	0.07979	1.07E-01	1.12E-01	1.22E-01
2375	495361.06	3860101.99	0.07883	1.06E-01	1.11E-01	1.21E-01
2376	495411.06	3860101.99	0.07748	1.04E-01	1.09E-01	1.19E-01
2377	495461.06	3860101.99	0.07577	1.01E-01	1.07E-01	1.16E-01
2378	495511.06	3860101.99	0.0749	1.00E-01	1.05E-01	1.15E-01
2379	495561.06	3860101.99	0.07402	9.91E-02	1.04E-01	1.13E-01
2380	495611.06	3860101.99	0.07242	9.69E-02	1.02E-01	1.11E-01
2381	495661.06	3860101.99	0.07132	9.55E-02	1.00E-01	1.09E-01
2382	494861.06	3860151.99	0.09798	1.31E-01	1.38E-01	1.50E-01
2383	494911.06	3860151.99	0.0937	1.25E-01	1.32E-01	1.43E-01
2384	494961.06	3860151.99	0.09183	1.23E-01	1.29E-01	1.41E-01
2385	495011.06	3860151.99	0.08987	1.20E-01	1.26E-01	1.38E-01
2386	495061.06	3860151.99	0.08799	1.18E-01	1.24E-01	1.35E-01
2387	495111.06	3860151.99	0.08642	1.16E-01	1.22E-01	1.32E-01
2388	495161.06	3860151.99	0.085	1.14E-01	1.20E-01	1.30E-01
2389	495211.06	3860151.99	0.08345	1.12E-01	1.17E-01	1.28E-01
2390	495261.06	3860151.99	0.08216	1.10E-01	1.16E-01	1.26E-01

2391	495311.06	3860151.99	0.08087	1.08E-01	1.14E-01	1.24E-01
2392	495361.06	3860151.99	0.07968	1.07E-01	1.12E-01	1.22E-01
2393	495411.06	3860151.99	0.07837	1.05E-01	1.10E-01	1.20E-01
2394	495461.06	3860151.99	0.07712	1.03E-01	1.09E-01	1.18E-01
2395	495511.06	3860151.99	0.07572	1.01E-01	1.07E-01	1.16E-01
2396	495561.06	3860151.99	0.07467	9.99E-02	1.05E-01	1.14E-01
2397	495611.06	3860151.99	0.07337	9.82E-02	1.03E-01	1.12E-01
2398	495661.06	3860151.99	0.07201	9.64E-02	1.01E-01	1.10E-01
2399	495718.25	3859442.96	0.05125	6.86E-02	7.21E-02	7.85E-02
2400	495818.25	3859442.96	0.04975	6.66E-02	7.00E-02	7.62E-02
2401	495918.25	3859442.96	0.0486	6.50E-02	6.84E-02	7.44E-02
2402	496018.25	3859442.96	0.04759	6.37E-02	6.70E-02	7.29E-02
2403	496118.25	3859442.96	0.04754	6.36E-02	6.69E-02	7.28E-02
2404	496218.25	3859442.96	0.04736	6.34E-02	6.66E-02	7.25E-02
2405	496318.25	3859442.96	0.04647	6.22E-02	6.54E-02	7.12E-02
2406	496418.25	3859442.96	0.04555	6.10E-02	6.41E-02	6.97E-02
2407	495718.25	3859542.96	0.05449	7.29E-02	7.67E-02	8.34E-02
2408	495818.25	3859542.96	0.05313	7.11E-02	7.48E-02	8.14E-02
2409	495918.25	3859542.96	0.05162	6.91E-02	7.26E-02	7.90E-02
2410	496018.25	3859542.96	0.05032	6.73E-02	7.08E-02	7.70E-02
2411	496118.25	3859542.96	0.0502	6.72E-02	7.06E-02	7.69E-02
2412	496218.25	3859542.96	0.04978	6.66E-02	7.00E-02	7.62E-02
2413	496318.25	3859542.96	0.04917	6.58E-02	6.92E-02	7.53E-02
2414	496418.25	3859542.96	0.04791	6.41E-02	6.74E-02	7.34E-02
2415	495718.25	3859642.96	0.05736	7.68E-02	8.07E-02	8.78E-02
2416	495818.25	3859642.96	0.05569	7.45E-02	7.84E-02	8.53E-02
2417	495918.25	3859642.96	0.05448	7.29E-02	7.67E-02	8.34E-02
2418	496018.25	3859642.96	0.05304	7.10E-02	7.46E-02	8.12E-02
2419	496118.25	3859642.96	0.05306	7.10E-02	7.47E-02	8.12E-02
2420	496218.25	3859642.96	0.05272	7.06E-02	7.42E-02	8.07E-02
2421	496318.25	3859642.96	0.05151	6.89E-02	7.25E-02	7.89E-02
2422	496418.25	3859642.96	0.04847	6.49E-02	6.82E-02	7.42E-02
2423	495718.25	3859742.96	0.0609	8.15E-02	8.57E-02	9.32E-02
2424	495818.25	3859742.96	0.0588	7.87E-02	8.27E-02	9.00E-02
2425	495918.25	3859742.96	0.0572	7.66E-02	8.05E-02	8.76E-02
2426	496018.25	3859742.96	0.05556	7.44E-02	7.82E-02	8.51E-02
2427	496118.25	3859742.96	0.05536	7.41E-02	7.79E-02	8.48E-02
2428	496218.25	3859742.96	0.05544	7.42E-02	7.80E-02	8.49E-02
2429	496318.25	3859742.96	0.05243	7.02E-02	7.38E-02	8.03E-02
2430	496418.25	3859742.96	0.04969	6.65E-02	6.99E-02	7.61E-02
2431	495718.25	3859842.96	0.0639	8.55E-02	8.99E-02	9.78E-02
2432	495818.25	3859842.96	0.06201	8.30E-02	8.73E-02	9.49E-02
2433	495918.25	3859842.96	0.06015	8.05E-02	8.46E-02	9.21E-02
2434	496018.25	3859842.96	0.05889	7.88E-02	8.29E-02	9.02E-02
2435	496118.25	3859842.96	0.05902	7.90E-02	8.30E-02	9.04E-02
2436	496218.25	3859842.96	0.05601	7.50E-02	7.88E-02	8.58E-02
2437	496318.25	3859842.96	0.051	6.83E-02	7.18E-02	7.81E-02
2438	496418.25	3859842.96	0.04797	6.42E-02	6.75E-02	7.35E-02
2439	495718.25	3859942.96	0.06648	8.90E-02	9.35E-02	1.02E-01
2440	495818.25	3859942.96	0.06433	8.61E-02	9.05E-02	9.85E-02
2441	495918.25	3859942.96	0.06273	8.40E-02	8.83E-02	9.61E-02
2442	496018.25	3859942.96	0.06228	8.34E-02	8.76E-02	9.54E-02
2443	496118.25	3859942.96	0.05949	7.96E-02	8.37E-02	9.11E-02
2444	496218.25	3859942.96	0.05561	7.44E-02	7.82E-02	8.51E-02
2445	496318.25	3859942.96	0.052	6.96E-02	7.32E-02	7.96E-02
2446	496418.25	3859942.96	0.04785	6.40E-02	6.73E-02	7.33E-02
2447	496856.82	3858864.83	0.03024	4.05E-02	4.25E-02	4.63E-02
2448	496956.82	3858864.83	0.0297	3.98E-02	4.18E-02	4.55E-02
2449	497056.82	3858864.83	0.0292	3.91E-02	4.11E-02	4.47E-02
2450	497156.82	3858864.83	0.0286	3.83E-02	4.02E-02	4.38E-02
2451	497256.82	3858864.83	0.02834	3.79E-02	3.99E-02	4.34E-02
2452	496856.82	3858964.83	0.03213	4.30E-02	4.52E-02	4.92E-02
2453	496956.82	3858964.83	0.03134	4.19E-02	4.41E-02	4.80E-02

2454	497056.82	3858964.83	0.03072	4.11E-02	4.32E-02	4.70E-02
2455	497156.82	3858964.83	0.03011	4.03E-02	4.24E-02	4.61E-02
2456	497256.82	3858964.83	0.03017	4.04E-02	4.25E-02	4.62E-02
2457	496856.82	3859064.83	0.03365	4.50E-02	4.73E-02	5.15E-02
2458	496956.82	3859064.83	0.03292	4.41E-02	4.63E-02	5.04E-02
2459	497056.82	3859064.83	0.0323	4.32E-02	4.54E-02	4.95E-02
2460	497156.82	3859064.83	0.03174	4.25E-02	4.47E-02	4.86E-02
2461	497256.82	3859064.83	0.03203	4.29E-02	4.51E-02	4.90E-02
2462	496856.82	3859164.83	0.03486	4.67E-02	4.91E-02	5.34E-02
2463	496956.82	3859164.83	0.03403	4.55E-02	4.79E-02	5.21E-02
2464	497056.82	3859164.83	0.03356	4.49E-02	4.72E-02	5.14E-02
2465	497156.82	3859164.83	0.0335	4.48E-02	4.71E-02	5.13E-02
2466	497256.82	3859164.83	0.03394	4.54E-02	4.78E-02	5.20E-02
2467	496856.82	3859264.83	0.03579	4.79E-02	5.04E-02	5.48E-02
2468	496956.82	3859264.83	0.03543	4.74E-02	4.99E-02	5.43E-02
2469	497056.82	3859264.83	0.03539	4.74E-02	4.98E-02	5.42E-02
2470	497156.82	3859264.83	0.03529	4.72E-02	4.97E-02	5.40E-02
2471	497256.82	3859264.83	0.0356	4.76E-02	5.01E-02	5.45E-02
2472	497088.92	3858620.93	0.02507	3.36E-02	3.53E-02	3.84E-02
2473	497138.92	3858620.93	0.02502	3.35E-02	3.52E-02	3.83E-02
2474	497188.92	3858620.93	0.02491	3.33E-02	3.50E-02	3.81E-02
2475	497238.92	3858620.93	0.02478	3.32E-02	3.49E-02	3.79E-02
2476	497088.92	3858670.93	0.02565	3.43E-02	3.61E-02	3.93E-02
2477	497138.92	3858670.93	0.0257	3.44E-02	3.62E-02	3.94E-02
2478	497188.92	3858670.93	0.02548	3.41E-02	3.59E-02	3.90E-02
2479	497238.92	3858670.93	0.02542	3.40E-02	3.58E-02	3.89E-02
2480	497088.92	3858720.93	0.02662	3.56E-02	3.75E-02	4.08E-02
2481	497138.92	3858720.93	0.02605	3.49E-02	3.67E-02	3.99E-02
2482	497188.92	3858720.93	0.0259	3.47E-02	3.64E-02	3.97E-02
2483	497238.92	3858720.93	0.02613	3.50E-02	3.68E-02	4.00E-02
2484	497088.92	3858770.93	0.02726	3.65E-02	3.84E-02	4.17E-02
2485	497138.92	3858770.93	0.02698	3.61E-02	3.80E-02	4.13E-02
2486	497188.92	3858770.93	0.02669	3.57E-02	3.76E-02	4.09E-02
2487	497238.92	3858770.93	0.02686	3.60E-02	3.78E-02	4.11E-02
2488	497396.65	3858622.63	0.02553	3.42E-02	3.59E-02	3.91E-02
2489	497496.65	3858622.63	0.02594	3.47E-02	3.65E-02	3.97E-02
2490	497596.65	3858622.63	0.0267	3.57E-02	3.76E-02	4.09E-02
2491	497696.65	3858622.63	0.02698	3.61E-02	3.80E-02	4.13E-02
2492	497796.65	3858622.63	0.02749	3.68E-02	3.87E-02	4.21E-02
2493	497896.65	3858622.63	0.02802	3.75E-02	3.94E-02	4.29E-02
2494	497396.65	3858722.63	0.02703	3.62E-02	3.80E-02	4.14E-02
2495	497496.65	3858722.63	0.02743	3.67E-02	3.86E-02	4.20E-02
2496	497596.65	3858722.63	0.02822	3.78E-02	3.97E-02	4.32E-02
2497	497696.65	3858722.63	0.02863	3.83E-02	4.03E-02	4.38E-02
2498	497796.65	3858722.63	0.02882	3.86E-02	4.06E-02	4.41E-02
2499	497896.65	3858722.63	0.02917	3.90E-02	4.10E-02	4.47E-02
2500	497396.65	3858822.63	0.02834	3.79E-02	3.99E-02	4.34E-02
2501	497496.65	3858822.63	0.02866	3.84E-02	4.03E-02	4.39E-02
2502	497596.65	3858822.63	0.0295	3.95E-02	4.15E-02	4.52E-02
2503	497696.65	3858822.63	0.02987	4.00E-02	4.20E-02	4.57E-02
2504	497796.65	3858822.63	0.02997	4.01E-02	4.22E-02	4.59E-02
2505	497896.65	3858822.63	0.03071	4.11E-02	4.32E-02	4.70E-02
2506	497396.65	3858922.63	0.02975	3.98E-02	4.19E-02	4.56E-02
2507	497496.65	3858922.63	0.03053	4.09E-02	4.30E-02	4.67E-02
2508	497596.65	3858922.63	0.03037	4.06E-02	4.27E-02	4.65E-02
2509	497696.65	3858922.63	0.03123	4.18E-02	4.39E-02	4.78E-02
2510	497796.65	3858922.63	0.03181	4.26E-02	4.48E-02	4.87E-02
2511	497896.65	3858922.63	0.03262	4.37E-02	4.59E-02	4.99E-02
2512	497364.44	3858201.52	0.02116	2.83E-02	2.98E-02	3.24E-02
2513	497414.44	3858201.52	0.02133	2.85E-02	3.00E-02	3.27E-02
2514	497464.44	3858201.52	0.02152	2.88E-02	3.03E-02	3.30E-02
2515	497514.44	3858201.52	0.02166	2.90E-02	3.05E-02	3.32E-02
2516	497564.44	3858201.52	0.02161	2.89E-02	3.04E-02	3.31E-02

2517	497614.44	3858201.52	0.02168	2.90E-02	3.05E-02	3.32E-02
2518	497364.44	3858251.52	0.02183	2.92E-02	3.07E-02	3.34E-02
2519	497414.44	3858251.52	0.02211	2.96E-02	3.11E-02	3.39E-02
2520	497464.44	3858251.52	0.02198	2.94E-02	3.09E-02	3.37E-02
2521	497514.44	3858251.52	0.02181	2.92E-02	3.07E-02	3.34E-02
2522	497564.44	3858251.52	0.02177	2.91E-02	3.06E-02	3.33E-02
2523	497614.44	3858251.52	0.02174	2.91E-02	3.06E-02	3.33E-02
2524	497364.44	3858301.52	0.02224	2.98E-02	3.13E-02	3.41E-02
2525	497414.44	3858301.52	0.02244	3.00E-02	3.16E-02	3.44E-02
2526	497464.44	3858301.52	0.02225	2.98E-02	3.13E-02	3.41E-02
2527	497514.44	3858301.52	0.02213	2.96E-02	3.11E-02	3.39E-02
2528	497564.44	3858301.52	0.02194	2.94E-02	3.09E-02	3.36E-02
2529	497614.44	3858301.52	0.02189	2.93E-02	3.08E-02	3.35E-02
2530	497364.44	3858351.52	0.02275	3.04E-02	3.20E-02	3.48E-02
2531	497414.44	3858351.52	0.02264	3.03E-02	3.19E-02	3.47E-02
2532	497464.44	3858351.52	0.0226	3.02E-02	3.18E-02	3.46E-02
2533	497514.44	3858351.52	0.0225	3.01E-02	3.17E-02	3.45E-02
2534	497564.44	3858351.52	0.02225	2.98E-02	3.13E-02	3.41E-02
2535	497614.44	3858351.52	0.0222	2.97E-02	3.12E-02	3.40E-02
2536	497364.44	3858401.52	0.02289	3.06E-02	3.22E-02	3.50E-02
2537	497414.44	3858401.52	0.02294	3.07E-02	3.23E-02	3.51E-02
2538	497464.44	3858401.52	0.0228	3.05E-02	3.21E-02	3.49E-02
2539	497514.44	3858401.52	0.02273	3.04E-02	3.20E-02	3.48E-02
2540	497564.44	3858401.52	0.02293	3.07E-02	3.23E-02	3.51E-02
2541	497614.44	3858401.52	0.02307	3.09E-02	3.25E-02	3.53E-02
2542	493478.11	3860497.94	0.16555	2.22E-01	2.33E-01	2.53E-01
2543	493528.11	3860497.94	0.16116	2.16E-01	2.27E-01	2.47E-01
2544	493478.11	3860547.94	0.15976	2.14E-01	2.25E-01	2.45E-01
2545	493528.11	3860547.94	0.15563	2.08E-01	2.19E-01	2.38E-01
2546	493478.11	3860597.94	0.15329	2.05E-01	2.16E-01	2.35E-01
2547	493528.11	3860597.94	0.14939	2.00E-01	2.10E-01	2.29E-01
2548	493561.88	3860524.64	0.15551	2.08E-01	2.19E-01	2.38E-01
2549	493591.88	3860524.64	0.15309	2.05E-01	2.15E-01	2.34E-01
2550	493561.88	3860554.64	0.15213	2.04E-01	2.14E-01	2.33E-01
2551	493591.88	3860554.64	0.14987	2.01E-01	2.11E-01	2.29E-01
2552	492880.5	3860293.11	0.27515	3.68E-01	3.87E-01	4.21E-01
2553	492930.5	3860293.11	0.26327	3.52E-01	3.70E-01	4.03E-01
2554	492980.5	3860293.11	0.25196	3.37E-01	3.55E-01	3.86E-01
2555	493030.5	3860293.11	0.23684	3.17E-01	3.33E-01	3.63E-01
2556	493080.5	3860293.11	0.21933	2.94E-01	3.09E-01	3.36E-01
2557	493130.5	3860293.11	0.21877	2.93E-01	3.08E-01	3.35E-01
2558	493180.5	3860293.11	0.21551	2.88E-01	3.03E-01	3.30E-01
2559	493230.5	3860293.11	0.20924	2.80E-01	2.94E-01	3.20E-01
2560	493280.5	3860293.11	0.20037	2.68E-01	2.82E-01	3.07E-01
2561	493330.5	3860293.11	0.19316	2.59E-01	2.72E-01	2.96E-01
2562	493380.5	3860293.11	0.18701	2.50E-01	2.63E-01	2.86E-01
2563	492880.5	3860343.11	0.2734	3.66E-01	3.85E-01	4.19E-01
2564	492930.5	3860343.11	0.26199	3.51E-01	3.69E-01	4.01E-01
2565	492980.5	3860343.11	0.24678	3.30E-01	3.47E-01	3.78E-01
2566	493030.5	3860343.11	0.23723	3.18E-01	3.34E-01	3.63E-01
2567	493080.5	3860343.11	0.22271	2.98E-01	3.13E-01	3.41E-01
2568	493130.5	3860343.11	0.21715	2.91E-01	3.06E-01	3.32E-01
2569	493180.5	3860343.11	0.21368	2.86E-01	3.01E-01	3.27E-01
2570	493230.5	3860343.11	0.20713	2.77E-01	2.91E-01	3.17E-01
2571	493280.5	3860343.11	0.19876	2.66E-01	2.80E-01	3.04E-01
2572	493330.5	3860343.11	0.19134	2.56E-01	2.69E-01	2.93E-01
2573	493380.5	3860343.11	0.1855	2.48E-01	2.61E-01	2.84E-01
2574	492880.5	3860393.11	0.26824	3.59E-01	3.77E-01	4.11E-01
2575	492930.5	3860393.11	0.25698	3.44E-01	3.62E-01	3.93E-01
2576	492980.5	3860393.11	0.24521	3.28E-01	3.45E-01	3.75E-01
2577	493030.5	3860393.11	0.23442	3.14E-01	3.30E-01	3.59E-01
2578	493080.5	3860393.11	0.22097	2.96E-01	3.11E-01	3.38E-01
2579	493130.5	3860393.11	0.21558	2.89E-01	3.03E-01	3.30E-01

2580	493180.5	3860393.11	0.21096	2.82E-01	2.97E-01	3.23E-01
2581	493230.5	3860393.11	0.2038	2.73E-01	2.87E-01	3.12E-01
2582	493280.5	3860393.11	0.19548	2.62E-01	2.75E-01	2.99E-01
2583	493330.5	3860393.11	0.18844	2.52E-01	2.65E-01	2.89E-01
2584	493380.5	3860393.11	0.18257	2.44E-01	2.57E-01	2.80E-01
2585	492880.5	3860443.11	0.25955	3.47E-01	3.65E-01	3.97E-01
2586	492930.5	3860443.11	0.24903	3.33E-01	3.50E-01	3.81E-01
2587	492980.5	3860443.11	0.23918	3.20E-01	3.37E-01	3.66E-01
2588	493030.5	3860443.11	0.22937	3.07E-01	3.23E-01	3.51E-01
2589	493080.5	3860443.11	0.22069	2.95E-01	3.11E-01	3.38E-01
2590	493130.5	3860443.11	0.21265	2.85E-01	2.99E-01	3.26E-01
2591	493180.5	3860443.11	0.20651	2.76E-01	2.91E-01	3.16E-01
2592	493230.5	3860443.11	0.19853	2.66E-01	2.79E-01	3.04E-01
2593	493280.5	3860443.11	0.19145	2.56E-01	2.69E-01	2.93E-01
2594	493330.5	3860443.11	0.18403	2.46E-01	2.59E-01	2.82E-01
2595	493380.5	3860443.11	0.17899	2.40E-01	2.52E-01	2.74E-01
2596	493180.5	3860493.11	0.19915	2.67E-01	2.80E-01	3.05E-01
2597	493230.5	3860493.11	0.19235	2.57E-01	2.71E-01	2.95E-01
2598	493280.5	3860493.11	0.18577	2.49E-01	2.61E-01	2.84E-01
2599	493330.5	3860493.11	0.17972	2.41E-01	2.53E-01	2.75E-01
2600	493380.5	3860493.11	0.17477	2.34E-01	2.46E-01	2.68E-01
2601	493330.5	3860543.11	0.17348	2.32E-01	2.44E-01	2.66E-01
2602	493380.5	3860543.11	0.16882	2.26E-01	2.38E-01	2.58E-01
2603	494135.94	3860876.85	0.09271	1.24E-01	1.30E-01	1.42E-01
2604	494185.94	3860876.85	0.09135	1.22E-01	1.29E-01	1.40E-01
2605	494135.94	3860926.85	0.08867	1.19E-01	1.25E-01	1.36E-01
2606	494185.94	3860926.85	0.08749	1.17E-01	1.23E-01	1.34E-01
2607	494135.94	3860976.85	0.08471	1.13E-01	1.19E-01	1.30E-01
2608	494185.94	3860976.85	0.08368	1.12E-01	1.18E-01	1.28E-01
2609	494135.94	3861026.85	0.08077	1.08E-01	1.14E-01	1.24E-01
2610	494185.94	3861026.85	0.07989	1.07E-01	1.12E-01	1.22E-01
2611	494135.94	3861076.85	0.077	1.03E-01	1.08E-01	1.18E-01
2612	494185.94	3861076.85	0.07621	1.02E-01	1.07E-01	1.17E-01
2613	490360.04	3858710.04	0.14452	1.93E-01	2.03E-01	2.21E-01
2614	490410.04	3858710.04	0.14103	1.89E-01	1.98E-01	2.16E-01
2615	490460.04	3858710.04	0.13604	1.82E-01	1.91E-01	2.08E-01
2616	490510.04	3858710.04	0.13274	1.78E-01	1.87E-01	2.03E-01
2617	490560.04	3858710.04	0.13002	1.74E-01	1.83E-01	1.99E-01
2618	490610.04	3858710.04	0.12711	1.70E-01	1.79E-01	1.95E-01
2619	490660.04	3858710.04	0.1257	1.68E-01	1.77E-01	1.92E-01
2620	490710.04	3858710.04	0.12201	1.63E-01	1.72E-01	1.87E-01
2621	490760.04	3858710.04	0.11896	1.59E-01	1.67E-01	1.82E-01
2622	490810.04	3858710.04	0.11596	1.55E-01	1.63E-01	1.78E-01
2623	490860.04	3858710.04	0.11214	1.50E-01	1.58E-01	1.72E-01
2624	490360.04	3858760.04	0.16269	2.18E-01	2.29E-01	2.49E-01
2625	490410.04	3858760.04	0.15778	2.11E-01	2.22E-01	2.42E-01
2626	490460.04	3858760.04	0.15247	2.04E-01	2.15E-01	2.33E-01
2627	490510.04	3858760.04	0.14706	1.97E-01	2.07E-01	2.25E-01
2628	490560.04	3858760.04	0.14296	1.91E-01	2.01E-01	2.19E-01
2629	490610.04	3858760.04	0.13864	1.86E-01	1.95E-01	2.12E-01
2630	490660.04	3858760.04	0.13494	1.81E-01	1.90E-01	2.07E-01
2631	490710.04	3858760.04	0.13129	1.76E-01	1.85E-01	2.01E-01
2632	490760.04	3858760.04	0.12701	1.70E-01	1.79E-01	1.94E-01
2633	490810.04	3858760.04	0.12314	1.65E-01	1.73E-01	1.89E-01
2634	490860.04	3858760.04	0.11992	1.61E-01	1.69E-01	1.84E-01
2635	490360.04	3858810.04	0.18158	2.43E-01	2.55E-01	2.78E-01
2636	490410.04	3858810.04	0.17506	2.34E-01	2.46E-01	2.68E-01
2637	490460.04	3858810.04	0.16853	2.26E-01	2.37E-01	2.58E-01
2638	490510.04	3858810.04	0.16357	2.19E-01	2.30E-01	2.50E-01
2639	490560.04	3858810.04	0.15843	2.12E-01	2.23E-01	2.43E-01
2640	490610.04	3858810.04	0.15199	2.03E-01	2.14E-01	2.33E-01
2641	490660.04	3858810.04	0.14698	1.97E-01	2.07E-01	2.25E-01
2642	490710.04	3858810.04	0.14166	1.90E-01	1.99E-01	2.17E-01

2643	490760.04	3858810.04	0.13531	1.81E-01	1.90E-01	2.07E-01
2644	490810.04	3858810.04	0.13261	1.77E-01	1.87E-01	2.03E-01
2645	490860.04	3858810.04	0.12785	1.71E-01	1.80E-01	1.96E-01
2646	490360.04	3858860.04	0.20046	2.68E-01	2.82E-01	3.07E-01
2647	490410.04	3858860.04	0.19505	2.61E-01	2.74E-01	2.99E-01
2648	490460.04	3858860.04	0.18626	2.49E-01	2.62E-01	2.85E-01
2649	490510.04	3858860.04	0.18162	2.43E-01	2.56E-01	2.78E-01
2650	490560.04	3858860.04	0.17424	2.33E-01	2.45E-01	2.67E-01
2651	490610.04	3858860.04	0.16508	2.21E-01	2.32E-01	2.53E-01
2652	490660.04	3858860.04	0.15924	2.13E-01	2.24E-01	2.44E-01
2653	490710.04	3858860.04	0.15481	2.07E-01	2.18E-01	2.37E-01
2654	490760.04	3858860.04	0.14759	1.98E-01	2.08E-01	2.26E-01
2655	490810.04	3858860.04	0.14127	1.89E-01	1.99E-01	2.16E-01
2656	490860.04	3858860.04	0.13514	1.81E-01	1.90E-01	2.07E-01
2657	490360.04	3858910.04	0.22667	3.03E-01	3.19E-01	3.47E-01
2658	490410.04	3858910.04	0.21756	2.91E-01	3.06E-01	3.33E-01
2659	490460.04	3858910.04	0.20825	2.79E-01	2.93E-01	3.19E-01
2660	490510.04	3858910.04	0.19877	2.66E-01	2.80E-01	3.04E-01
2661	490560.04	3858910.04	0.18914	2.53E-01	2.66E-01	2.90E-01
2662	490610.04	3858910.04	0.17987	2.41E-01	2.53E-01	2.75E-01
2663	490660.04	3858910.04	0.1727	2.31E-01	2.43E-01	2.64E-01
2664	490710.04	3858910.04	0.16487	2.21E-01	2.32E-01	2.52E-01
2665	490760.04	3858910.04	0.15627	2.09E-01	2.20E-01	2.39E-01
2666	490810.04	3858910.04	0.1504	2.01E-01	2.12E-01	2.30E-01
2667	490860.04	3858910.04	0.14274	1.91E-01	2.01E-01	2.19E-01
2668	490360.04	3858960.04	0.25132	3.36E-01	3.54E-01	3.85E-01
2669	490410.04	3858960.04	0.23891	3.20E-01	3.36E-01	3.66E-01
2670	490460.04	3858960.04	0.22632	3.03E-01	3.18E-01	3.47E-01
2671	490510.04	3858960.04	0.21545	2.88E-01	3.03E-01	3.30E-01
2672	490560.04	3858960.04	0.20522	2.75E-01	2.89E-01	3.14E-01
2673	490610.04	3858960.04	0.19314	2.59E-01	2.72E-01	2.96E-01
2674	490660.04	3858960.04	0.18706	2.50E-01	2.63E-01	2.86E-01
2675	490710.04	3858960.04	0.17641	2.36E-01	2.48E-01	2.70E-01
2676	490760.04	3858960.04	0.16762	2.24E-01	2.36E-01	2.57E-01
2677	490810.04	3858960.04	0.15933	2.13E-01	2.24E-01	2.44E-01
2678	490860.04	3858960.04	0.15047	2.01E-01	2.12E-01	2.30E-01
2679	490360.04	3859010.04	0.278	3.72E-01	3.91E-01	4.26E-01
2680	490410.04	3859010.04	0.26199	3.51E-01	3.69E-01	4.01E-01
2681	490460.04	3859010.04	0.24463	3.27E-01	3.44E-01	3.75E-01
2682	490510.04	3859010.04	0.22897	3.06E-01	3.22E-01	3.51E-01
2683	490560.04	3859010.04	0.21991	2.94E-01	3.09E-01	3.37E-01
2684	490610.04	3859010.04	0.20651	2.76E-01	2.91E-01	3.16E-01
2685	490660.04	3859010.04	0.19987	2.68E-01	2.81E-01	3.06E-01
2686	490710.04	3859010.04	0.18754	2.51E-01	2.64E-01	2.87E-01
2687	490760.04	3859010.04	0.17721	2.37E-01	2.49E-01	2.71E-01
2688	490810.04	3859010.04	0.16755	2.24E-01	2.36E-01	2.57E-01
2689	490860.04	3859010.04	0.15936	2.13E-01	2.24E-01	2.44E-01
2690	490360.04	3859060.04	0.30531	4.09E-01	4.30E-01	4.67E-01
2691	490410.04	3859060.04	0.28177	3.77E-01	3.96E-01	4.31E-01
2692	490460.04	3859060.04	0.26342	3.53E-01	3.71E-01	4.03E-01
2693	490510.04	3859060.04	0.2481	3.32E-01	3.49E-01	3.80E-01
2694	490560.04	3859060.04	0.23168	3.10E-01	3.26E-01	3.55E-01
2695	490610.04	3859060.04	0.22077	2.95E-01	3.11E-01	3.38E-01
2696	490660.04	3859060.04	0.21106	2.82E-01	2.97E-01	3.23E-01
2697	490710.04	3859060.04	0.19744	2.64E-01	2.78E-01	3.02E-01
2698	490760.04	3859060.04	0.18608	2.49E-01	2.62E-01	2.85E-01
2699	490810.04	3859060.04	0.1754	2.35E-01	2.47E-01	2.69E-01
2700	490860.04	3859060.04	0.16644	2.23E-01	2.34E-01	2.55E-01
2701	490360.04	3859110.04	0.33872	4.53E-01	4.77E-01	5.19E-01
2702	490410.04	3859110.04	0.31092	4.16E-01	4.37E-01	4.76E-01
2703	490460.04	3859110.04	0.29165	3.90E-01	4.10E-01	4.47E-01
2704	490510.04	3859110.04	0.2646	3.54E-01	3.72E-01	4.05E-01
2705	490560.04	3859110.04	0.24798	3.32E-01	3.49E-01	3.80E-01

2706	490610.04	3859110.04	0.23166	3.10E-01	3.26E-01	3.55E-01
2707	490660.04	3859110.04	0.21549	2.88E-01	3.03E-01	3.30E-01
2708	490710.04	3859110.04	0.2055	2.75E-01	2.89E-01	3.15E-01
2709	490760.04	3859110.04	0.19418	2.60E-01	2.73E-01	2.97E-01
2710	490810.04	3859110.04	0.18219	2.44E-01	2.56E-01	2.79E-01
2711	490860.04	3859110.04	0.17159	2.30E-01	2.41E-01	2.63E-01
2712	490360.04	3859160.04	0.37843	5.06E-01	5.32E-01	5.79E-01
2713	490410.04	3859160.04	0.34677	4.64E-01	4.88E-01	5.31E-01
2714	490460.04	3859160.04	0.31993	4.28E-01	4.50E-01	4.90E-01
2715	490510.04	3859160.04	0.29509	3.95E-01	4.15E-01	4.52E-01
2716	490560.04	3859160.04	0.26934	3.60E-01	3.79E-01	4.12E-01
2717	490610.04	3859160.04	0.25258	3.38E-01	3.55E-01	3.87E-01
2718	490660.04	3859160.04	0.22635	3.03E-01	3.18E-01	3.47E-01
2719	490710.04	3859160.04	0.21474	2.87E-01	3.02E-01	3.29E-01
2720	490760.04	3859160.04	0.19843	2.66E-01	2.79E-01	3.04E-01
2721	490810.04	3859160.04	0.18892	2.53E-01	2.66E-01	2.89E-01
2722	490860.04	3859160.04	0.1795	2.40E-01	2.53E-01	2.75E-01
2723	490360.04	3859210.04	0.42319	5.66E-01	5.95E-01	6.48E-01
2724	490410.04	3859210.04	0.3964	5.31E-01	5.58E-01	6.07E-01
2725	490460.04	3859210.04	0.35219	4.71E-01	4.96E-01	5.39E-01
2726	490510.04	3859210.04	0.32212	4.31E-01	4.53E-01	4.93E-01
2727	490560.04	3859210.04	0.30103	4.03E-01	4.24E-01	4.61E-01
2728	490610.04	3859210.04	0.27704	3.71E-01	3.90E-01	4.24E-01
2729	490660.04	3859210.04	0.2485	3.33E-01	3.50E-01	3.81E-01
2730	490710.04	3859210.04	0.2312	3.09E-01	3.25E-01	3.54E-01
2731	490760.04	3859210.04	0.21418	2.87E-01	3.01E-01	3.28E-01
2732	490810.04	3859210.04	0.20797	2.78E-01	2.93E-01	3.18E-01
2733	490860.04	3859210.04	0.20159	2.70E-01	2.84E-01	3.09E-01
2734	490360.04	3859260.04	0.4689	6.28E-01	6.60E-01	7.18E-01
2735	490410.04	3859260.04	0.43344	5.80E-01	6.10E-01	6.64E-01
2736	490460.04	3859260.04	0.40499	5.42E-01	5.70E-01	6.20E-01
2737	490510.04	3859260.04	0.37729	5.05E-01	5.31E-01	5.78E-01
2738	490560.04	3859260.04	0.34577	4.63E-01	4.87E-01	5.29E-01
2739	490610.04	3859260.04	0.30913	4.14E-01	4.35E-01	4.73E-01
2740	490660.04	3859260.04	0.29639	3.97E-01	4.17E-01	4.54E-01
2741	490710.04	3859260.04	0.27532	3.68E-01	3.87E-01	4.22E-01
2742	490760.04	3859260.04	0.25115	3.36E-01	3.53E-01	3.85E-01
2743	490810.04	3859260.04	0.24084	3.22E-01	3.39E-01	3.69E-01
2744	490860.04	3859260.04	0.23116	3.09E-01	3.25E-01	3.54E-01
2745	490360.04	3859310.04	0.53809	7.20E-01	7.57E-01	8.24E-01
2746	490410.04	3859310.04	0.49486	6.62E-01	6.96E-01	7.58E-01
2747	490460.04	3859310.04	0.45841	6.14E-01	6.45E-01	7.02E-01
2748	490510.04	3859310.04	0.43008	5.76E-01	6.05E-01	6.59E-01
2749	490560.04	3859310.04	0.40182	5.38E-01	5.65E-01	6.15E-01
2750	490610.04	3859310.04	0.37845	5.07E-01	5.33E-01	5.79E-01
2751	490660.04	3859310.04	0.35211	4.71E-01	4.95E-01	5.39E-01
2752	490710.04	3859310.04	0.31496	4.22E-01	4.43E-01	4.82E-01
2753	490760.04	3859310.04	0.29326	3.93E-01	4.13E-01	4.49E-01
2754	490810.04	3859310.04	0.2793	3.74E-01	3.93E-01	4.28E-01
2755	490860.04	3859310.04	0.26226	3.51E-01	3.69E-01	4.02E-01
2756	490360.04	3859360.04	0.62451	8.36E-01	8.79E-01	9.56E-01
2757	490410.04	3859360.04	0.57983	7.76E-01	8.16E-01	8.88E-01
2758	490460.04	3859360.04	0.54153	7.25E-01	7.62E-01	8.29E-01
2759	490510.04	3859360.04	0.50575	6.77E-01	7.12E-01	7.74E-01
2760	490560.04	3859360.04	0.46529	6.23E-01	6.55E-01	7.12E-01
2761	490610.04	3859360.04	0.42957	5.75E-01	6.04E-01	6.58E-01
2762	490660.04	3859360.04	0.40091	5.37E-01	5.64E-01	6.14E-01
2763	490710.04	3859360.04	0.36753	4.92E-01	5.17E-01	5.63E-01
2764	490760.04	3859360.04	0.33636	4.50E-01	4.73E-01	5.15E-01
2765	490810.04	3859360.04	0.32363	4.33E-01	4.55E-01	4.96E-01
2766	490860.04	3859360.04	0.30463	4.08E-01	4.29E-01	4.66E-01
2767	490360.04	3859410.04	0.73369	9.82E-01	1.03E+00	1.12E+00
2768	490410.04	3859410.04	0.68102	9.11E-01	9.58E-01	1.04E+00

2769	490460.04	3859410.04	0.6331	8.47E-01	8.91E-01	9.69E-01
2770	490510.04	3859410.04	0.5888	7.88E-01	8.28E-01	9.02E-01
2771	490560.04	3859410.04	0.54844	7.34E-01	7.72E-01	8.40E-01
2772	490610.04	3859410.04	0.51057	6.83E-01	7.18E-01	7.82E-01
2773	490660.04	3859410.04	0.46397	6.21E-01	6.53E-01	7.10E-01
2774	490710.04	3859410.04	0.42664	5.71E-01	6.00E-01	6.53E-01
2775	490760.04	3859410.04	0.3877	5.19E-01	5.46E-01	5.94E-01
2776	490810.04	3859410.04	0.37119	4.97E-01	5.22E-01	5.68E-01
2777	490860.04	3859410.04	0.35889	4.80E-01	5.05E-01	5.50E-01
2778	490360.04	3859460.04	0.87987	1.18E+00	1.24E+00	1.35E+00
2779	490410.04	3859460.04	0.80173	1.07E+00	1.13E+00	1.23E+00
2780	490460.04	3859460.04	0.74255	9.94E-01	1.04E+00	1.14E+00
2781	490510.04	3859460.04	0.68854	9.22E-01	9.69E-01	1.05E+00
2782	490560.04	3859460.04	0.64119	8.58E-01	9.02E-01	9.82E-01
2783	490610.04	3859460.04	0.59262	7.93E-01	8.34E-01	9.07E-01
2784	490660.04	3859460.04	0.54558	7.30E-01	7.68E-01	8.35E-01
2785	490710.04	3859460.04	0.50758	6.79E-01	7.14E-01	7.77E-01
2786	490760.04	3859460.04	0.47039	6.30E-01	6.62E-01	7.20E-01
2787	490810.04	3859460.04	0.43674	5.85E-01	6.15E-01	6.69E-01
2788	490860.04	3859460.04	0.41741	5.59E-01	5.87E-01	6.39E-01
2789	490360.04	3859510.04	1.09604	1.47E+00	1.54E+00	1.68E+00
2790	490410.04	3859510.04	0.9903	1.33E+00	1.39E+00	1.52E+00
2791	490460.04	3859510.04	0.89663	1.20E+00	1.26E+00	1.37E+00
2792	490510.04	3859510.04	0.82401	1.10E+00	1.16E+00	1.26E+00
2793	490560.04	3859510.04	0.76118	1.02E+00	1.07E+00	1.17E+00
2794	490610.04	3859510.04	0.70114	9.38E-01	9.87E-01	1.07E+00
2795	490660.04	3859510.04	0.64684	8.66E-01	9.10E-01	9.90E-01
2796	490710.04	3859510.04	0.59607	7.98E-01	8.39E-01	9.13E-01
2797	490760.04	3859510.04	0.55204	7.39E-01	7.77E-01	8.45E-01
2798	490810.04	3859510.04	0.51769	6.93E-01	7.28E-01	7.93E-01
2799	490860.04	3859510.04	0.48314	6.47E-01	6.80E-01	7.40E-01
2800	490360.04	3859560.04	1.42348	1.91E+00	2.00E+00	2.18E+00
2801	490410.04	3859560.04	1.27009	1.70E+00	1.79E+00	1.94E+00
2802	490460.04	3859560.04	1.14447	1.53E+00	1.61E+00	1.75E+00
2803	490510.04	3859560.04	1.01686	1.36E+00	1.43E+00	1.56E+00
2804	490560.04	3859560.04	0.93148	1.25E+00	1.31E+00	1.43E+00
2805	490610.04	3859560.04	0.84917	1.14E+00	1.19E+00	1.30E+00
2806	490660.04	3859560.04	0.77962	1.04E+00	1.10E+00	1.19E+00
2807	490710.04	3859560.04	0.71452	9.56E-01	1.01E+00	1.09E+00
2808	490760.04	3859560.04	0.6497	8.70E-01	9.14E-01	9.95E-01
2809	490810.04	3859560.04	0.60008	8.03E-01	8.44E-01	9.19E-01
2810	490860.04	3859560.04	0.55451	7.42E-01	7.80E-01	8.49E-01
2811	490187.25	3859422.08	1.05092	1.41E+00	1.48E+00	1.61E+00
2812	490237.25	3859422.08	0.95482	1.28E+00	1.34E+00	1.46E+00
2813	490287.25	3859422.08	0.87009	1.16E+00	1.22E+00	1.33E+00
2814	490337.25	3859422.08	0.7911	1.06E+00	1.11E+00	1.21E+00
2815	490187.25	3859472.08	1.29806	1.74E+00	1.83E+00	1.99E+00
2816	490237.25	3859472.08	1.17068	1.57E+00	1.65E+00	1.79E+00
2817	490287.25	3859472.08	1.05638	1.41E+00	1.49E+00	1.62E+00
2818	490337.25	3859472.08	0.96274	1.29E+00	1.35E+00	1.47E+00
2819	490297.07	3859500.42	1.17914	1.58E+00	1.66E+00	1.81E+00
2820	490327.07	3859500.42	1.11748	1.50E+00	1.57E+00	1.71E+00
2821	490297.07	3859530.42	1.38272	1.85E+00	1.95E+00	2.12E+00
2822	490327.07	3859530.42	1.29754	1.74E+00	1.83E+00	1.99E+00
2823	490319.73	3859055.34	0.32207	4.31E-01	4.53E-01	4.93E-01
2824	490319.73	3859105.34	0.35688	4.78E-01	5.02E-01	5.46E-01
2825	490069.73	3859155.34	0.53755	7.19E-01	7.56E-01	8.23E-01
2826	490119.73	3859155.34	0.50623	6.78E-01	7.12E-01	7.75E-01
2827	490269.73	3859155.34	0.42986	5.75E-01	6.05E-01	6.58E-01
2828	490319.73	3859155.34	0.40001	5.35E-01	5.63E-01	6.12E-01
2829	490069.73	3859205.34	0.62446	8.36E-01	8.79E-01	9.56E-01
2830	490119.73	3859205.34	0.58996	7.90E-01	8.30E-01	9.03E-01
2831	490169.73	3859205.34	0.55363	7.41E-01	7.79E-01	8.48E-01

2832	490219.73	3859205.34	0.51442	6.89E-01	7.24E-01	7.88E-01
2833	490269.73	3859205.34	0.47498	6.36E-01	6.68E-01	7.27E-01
2834	490319.73	3859205.34	0.44544	5.96E-01	6.27E-01	6.82E-01
2835	490069.73	3859255.34	0.72348	9.68E-01	1.02E+00	1.11E+00
2836	490119.73	3859255.34	0.67702	9.06E-01	9.53E-01	1.04E+00
2837	490169.73	3859255.34	0.63225	8.46E-01	8.90E-01	9.68E-01
2838	490219.73	3859255.34	0.58392	7.82E-01	8.22E-01	8.94E-01
2839	490269.73	3859255.34	0.54006	7.23E-01	7.60E-01	8.27E-01
2840	490319.73	3859255.34	0.50362	6.74E-01	7.09E-01	7.71E-01
2841	490069.73	3859305.34	0.84659	1.13E+00	1.19E+00	1.30E+00
2842	490119.73	3859305.34	0.78711	1.05E+00	1.11E+00	1.21E+00
2843	490169.73	3859305.34	0.72959	9.77E-01	1.03E+00	1.12E+00
2844	490219.73	3859305.34	0.67228	9.00E-01	9.46E-01	1.03E+00
2845	490269.73	3859305.34	0.62032	8.30E-01	8.73E-01	9.50E-01
2846	490319.73	3859305.34	0.57054	7.64E-01	8.03E-01	8.74E-01
2847	490069.73	3859355.34	1.01626	1.36E+00	1.43E+00	1.56E+00
2848	490119.73	3859355.34	0.93244	1.25E+00	1.31E+00	1.43E+00
2849	490169.73	3859355.34	0.85669	1.15E+00	1.21E+00	1.31E+00
2850	490219.73	3859355.34	0.78436	1.05E+00	1.10E+00	1.20E+00
2851	490269.73	3859355.34	0.71915	9.63E-01	1.01E+00	1.10E+00
2852	490319.73	3859355.34	0.66047	8.84E-01	9.29E-01	1.01E+00
2853	490069.73	3859405.34	1.2469	1.67E+00	1.75E+00	1.91E+00
2854	490119.73	3859405.34	1.12361	1.50E+00	1.58E+00	1.72E+00
2855	490169.73	3859405.34	1.0198	1.36E+00	1.43E+00	1.56E+00
2856	490219.73	3859405.34	0.92981	1.24E+00	1.31E+00	1.42E+00
2857	490269.73	3859405.34	0.84564	1.13E+00	1.19E+00	1.29E+00
2858	490319.73	3859405.34	0.76773	1.03E+00	1.08E+00	1.18E+00
2859	490161.89	3859541.83	2.1216	2.84E+00	2.99E+00	3.25E+00
2860	490171.89	3859541.83	2.05771	2.75E+00	2.90E+00	3.15E+00
2861	490161.89	3859551.83	2.32125	3.11E+00	3.27E+00	3.55E+00
2862	490171.89	3859551.83	2.24359	3.00E+00	3.16E+00	3.44E+00
2863	489799.72	3859348.21	1.96683	2.63E+00	2.77E+00	3.01E+00
2864	489819.72	3859348.21	1.82913	2.45E+00	2.57E+00	2.80E+00
2865	489799.72	3859368.21	2.29583	3.07E+00	3.23E+00	3.52E+00
2866	489819.72	3859368.21	2.10832	2.82E+00	2.97E+00	3.23E+00
2867	489775.41	3859329.72	1.89128	2.53E+00	2.66E+00	2.90E+00
2868	489795.41	3859329.72	1.763	2.36E+00	2.48E+00	2.70E+00
2869	489775.41	3859349.72	2.19375	2.94E+00	3.09E+00	3.36E+00
2870	489795.41	3859349.72	2.02165	2.71E+00	2.84E+00	3.10E+00
2871	489595.05	3859219.43	1.69309	2.27E+00	2.38E+00	2.59E+00
2872	489615.05	3859219.43	1.58431	2.12E+00	2.23E+00	2.43E+00
2873	489595.05	3859239.43	1.94946	2.61E+00	2.74E+00	2.98E+00
2874	489615.05	3859239.43	1.80772	2.42E+00	2.54E+00	2.77E+00
2875	489372.4	3859092.58	1.53661	2.06E+00	2.16E+00	2.35E+00
2876	489422.4	3859092.58	1.31395	1.76E+00	1.85E+00	2.01E+00
2877	489372.4	3859142.58	2.24695	3.01E+00	3.16E+00	3.44E+00
2878	489422.4	3859142.58	1.82548	2.44E+00	2.57E+00	2.80E+00
2879	488870.84	3858666.64	0.1274	1.71E-01	1.79E-01	1.95E-01
2880	488900.84	3858666.64	0.12655	1.69E-01	1.78E-01	1.94E-01
2881	488870.84	3858696.64	0.14188	1.90E-01	2.00E-01	2.17E-01
2882	488900.84	3858696.64	0.14182	1.90E-01	2.00E-01	2.17E-01
2883	488889.67	3858683.97	0.13532	1.81E-01	1.90E-01	2.07E-01
2884	488919.67	3858683.97	0.13439	1.80E-01	1.89E-01	2.06E-01
2885	488889.67	3858713.97	0.15208	2.04E-01	2.14E-01	2.33E-01
2886	488919.67	3858713.97	0.15191	2.03E-01	2.14E-01	2.33E-01
2887	488906.61	3858703.33	0.14554	1.95E-01	2.05E-01	2.23E-01
2888	488936.61	3858703.33	0.1448	1.94E-01	2.04E-01	2.22E-01
2889	488906.61	3858733.33	0.16555	2.22E-01	2.33E-01	2.53E-01
2890	488936.61	3858733.33	0.16552	2.22E-01	2.33E-01	2.53E-01
2891	488637.63	3858467.85	0.07625	1.02E-01	1.07E-01	1.17E-01
2892	488662.63	3858467.85	0.07646	1.02E-01	1.08E-01	1.17E-01
2893	488637.63	3858492.85	0.07959	1.07E-01	1.12E-01	1.22E-01
2894	488662.63	3858492.85	0.08005	1.07E-01	1.13E-01	1.23E-01

2895	488687.63	3858492.85	0.08029	1.07E-01	1.13E-01	1.23E-01
2896	488637.63	3858517.85	0.08316	1.11E-01	1.17E-01	1.27E-01
2897	488662.63	3858517.85	0.08382	1.12E-01	1.18E-01	1.28E-01
2898	488687.63	3858517.85	0.08428	1.13E-01	1.19E-01	1.29E-01
2899	488194.42	3857168.98	0.02938	3.93E-02	4.13E-02	4.50E-02
2900	488244.42	3857168.98	0.02953	3.95E-02	4.16E-02	4.52E-02
2901	488294.42	3857168.98	0.02961	3.96E-02	4.17E-02	4.53E-02
2902	488244.42	3857218.98	0.02977	3.98E-02	4.19E-02	4.56E-02
2903	488294.42	3857218.98	0.02989	4.00E-02	4.21E-02	4.58E-02
2904	488294.42	3857268.98	0.03023	4.05E-02	4.25E-02	4.63E-02
2905	488139.13	3857111.68	0.02903	3.89E-02	4.08E-02	4.45E-02
2906	488189.13	3857111.68	0.0292	3.91E-02	4.11E-02	4.47E-02
2907	488189.13	3857161.68	0.02934	3.93E-02	4.13E-02	4.49E-02
2908	487951.04	3856961.26	0.02834	3.79E-02	3.99E-02	4.34E-02
2909	488001.04	3856961.26	0.02841	3.80E-02	4.00E-02	4.35E-02
2910	488051.04	3856961.26	0.02837	3.80E-02	3.99E-02	4.34E-02
2911	488101.04	3856961.26	0.02852	3.82E-02	4.01E-02	4.37E-02
2912	487951.04	3857011.26	0.02852	3.82E-02	4.01E-02	4.37E-02
2913	488001.04	3857011.26	0.02852	3.82E-02	4.01E-02	4.37E-02
2914	488051.04	3857011.26	0.02851	3.82E-02	4.01E-02	4.37E-02
2915	488101.04	3857011.26	0.02868	3.84E-02	4.04E-02	4.39E-02
2916	488001.04	3857061.26	0.02868	3.84E-02	4.04E-02	4.39E-02
2917	488051.04	3857061.26	0.02876	3.85E-02	4.05E-02	4.40E-02
2918	488101.04	3857061.26	0.02886	3.86E-02	4.06E-02	4.42E-02
2919	487638.98	3856673.79	0.02734	3.66E-02	3.85E-02	4.19E-02
2920	487688.98	3856673.79	0.02744	3.67E-02	3.86E-02	4.20E-02
2921	487638.98	3856723.79	0.02738	3.66E-02	3.85E-02	4.19E-02
2922	487688.98	3856723.79	0.02747	3.68E-02	3.87E-02	4.21E-02
2923	486324.61	3855740.57	0.02974	3.98E-02	4.18E-02	4.55E-02
2924	486374.61	3855740.57	0.02936	3.93E-02	4.13E-02	4.50E-02
2925	486424.61	3855740.57	0.02923	3.91E-02	4.11E-02	4.48E-02
2926	486324.61	3855790.57	0.02945	3.94E-02	4.14E-02	4.51E-02
2927	486374.61	3855790.57	0.02911	3.90E-02	4.10E-02	4.46E-02
2928	486424.61	3855790.57	0.02905	3.89E-02	4.09E-02	4.45E-02
2929	486324.61	3855840.57	0.02918	3.91E-02	4.11E-02	4.47E-02
2930	486374.61	3855840.57	0.02907	3.89E-02	4.09E-02	4.45E-02
2931	486424.61	3855840.57	0.0289	3.87E-02	4.07E-02	4.43E-02
2932	486324.61	3855890.57	0.02915	3.90E-02	4.10E-02	4.46E-02
2933	486374.61	3855890.57	0.029	3.88E-02	4.08E-02	4.44E-02
2934	486424.61	3855890.57	0.02879	3.85E-02	4.05E-02	4.41E-02
2935	488735.69	3858285.64	0.05959	7.98E-02	8.38E-02	9.12E-02
2936	488765.69	3858285.64	0.05981	8.01E-02	8.42E-02	9.16E-02
2937	488735.69	3858315.64	0.06184	8.28E-02	8.70E-02	9.47E-02
2938	488765.69	3858315.64	0.06208	8.31E-02	8.74E-02	9.51E-02
2939	478676.63	3849871.93	0.64936	8.69E-01	9.14E-01	9.94E-01
2940	479326.63	3849871.93	0.40011	5.36E-01	5.63E-01	6.13E-01
2941	479376.63	3849871.93	0.38851	5.20E-01	5.47E-01	5.95E-01
2942	479426.63	3849871.93	0.37993	5.09E-01	5.35E-01	5.82E-01
2943	478726.63	3849921.93	0.67931	9.09E-01	9.56E-01	1.04E+00
2944	478776.63	3849921.93	0.65069	8.71E-01	9.16E-01	9.96E-01
2945	478826.63	3849921.93	0.62371	8.35E-01	8.78E-01	9.55E-01
2946	478976.63	3849921.93	0.55298	7.40E-01	7.78E-01	8.47E-01
2947	479026.63	3849921.93	0.53565	7.17E-01	7.54E-01	8.20E-01
2948	479076.63	3849921.93	0.51705	6.92E-01	7.28E-01	7.92E-01
2949	479126.63	3849921.93	0.49902	6.68E-01	7.02E-01	7.64E-01
2950	479176.63	3849921.93	0.48361	6.47E-01	6.80E-01	7.40E-01
2951	479226.63	3849921.93	0.46382	6.21E-01	6.53E-01	7.10E-01
2952	479276.63	3849921.93	0.43748	5.86E-01	6.16E-01	6.70E-01
2953	479326.63	3849921.93	0.43711	5.85E-01	6.15E-01	6.69E-01
2954	479376.63	3849921.93	0.41314	5.53E-01	5.81E-01	6.33E-01
2955	479426.63	3849921.93	0.40928	5.48E-01	5.76E-01	6.27E-01
2956	478726.63	3849971.93	0.74552	9.98E-01	1.05E+00	1.14E+00
2957	478776.63	3849971.93	0.71147	9.52E-01	1.00E+00	1.09E+00

2958	478826.63	3849971.93	0.67967	9.10E-01	9.56E-01	1.04E+00
2959	478976.63	3849971.93	0.6014	8.05E-01	8.46E-01	9.21E-01
2960	479026.63	3849971.93	0.57743	7.73E-01	8.12E-01	8.84E-01
2961	479076.63	3849971.93	0.55504	7.43E-01	7.81E-01	8.50E-01
2962	479126.63	3849971.93	0.53501	7.16E-01	7.53E-01	8.19E-01
2963	479176.63	3849971.93	0.51694	6.92E-01	7.27E-01	7.92E-01
2964	479226.63	3849971.93	0.48419	6.48E-01	6.81E-01	7.41E-01
2965	479276.63	3849971.93	0.47852	6.40E-01	6.73E-01	7.33E-01
2966	479326.63	3849971.93	0.46966	6.29E-01	6.61E-01	7.19E-01
2967	479376.63	3849971.93	0.44612	5.97E-01	6.28E-01	6.83E-01
2968	479426.63	3849971.93	0.43584	5.83E-01	6.13E-01	6.67E-01
2969	478726.63	3850021.93	0.82626	1.11E+00	1.16E+00	1.27E+00
2970	478776.63	3850021.93	0.78409	1.05E+00	1.10E+00	1.20E+00
2971	478826.63	3850021.93	0.74642	9.99E-01	1.05E+00	1.14E+00
2972	478976.63	3850021.93	0.65291	8.74E-01	9.19E-01	1.00E+00
2973	478726.63	3850071.93	0.9278	1.24E+00	1.31E+00	1.42E+00
2974	478776.63	3850071.93	0.87474	1.17E+00	1.23E+00	1.34E+00
2975	478826.63	3850071.93	0.82804	1.11E+00	1.17E+00	1.27E+00
2976	478876.63	3850071.93	0.78614	1.05E+00	1.11E+00	1.20E+00
2977	478976.63	3850071.93	0.71437	9.56E-01	1.01E+00	1.09E+00
2978	478726.63	3850121.93	1.06047	1.42E+00	1.49E+00	1.62E+00
2979	478776.63	3850121.93	0.98993	1.32E+00	1.39E+00	1.52E+00
2980	478826.63	3850121.93	0.92963	1.24E+00	1.31E+00	1.42E+00
2981	478876.63	3850121.93	0.87692	1.17E+00	1.23E+00	1.34E+00
2982	478976.63	3850121.93	0.78751	1.05E+00	1.11E+00	1.21E+00
2983	479026.63	3850121.93	0.75004	1.00E+00	1.06E+00	1.15E+00
2984	479076.63	3850121.93	0.71571	9.58E-01	1.01E+00	1.10E+00
2985	479126.63	3850121.93	0.68357	9.15E-01	9.62E-01	1.05E+00
2986	478776.63	3850171.93	1.14575	1.53E+00	1.61E+00	1.75E+00
2987	478826.63	3850171.93	1.06406	1.42E+00	1.50E+00	1.63E+00
2988	478876.63	3850171.93	0.99386	1.33E+00	1.40E+00	1.52E+00
2989	478976.63	3850171.93	0.87929	1.18E+00	1.24E+00	1.35E+00
2990	479026.63	3850171.93	0.83214	1.11E+00	1.17E+00	1.27E+00
2991	479076.63	3850171.93	0.79053	1.06E+00	1.11E+00	1.21E+00
2992	479126.63	3850171.93	0.75184	1.01E+00	1.06E+00	1.15E+00
2993	479176.63	3850171.93	0.71784	9.61E-01	1.01E+00	1.10E+00
2994	479226.63	3850171.93	0.68873	9.22E-01	9.69E-01	1.05E+00
2995	479276.63	3850171.93	0.66017	8.84E-01	9.29E-01	1.01E+00
2996	479326.63	3850171.93	0.63501	8.50E-01	8.93E-01	9.72E-01
2997	479376.63	3850171.93	0.60894	8.15E-01	8.57E-01	9.32E-01
2998	478676.63	3850221.93	1.73254	2.32E+00	2.44E+00	2.65E+00
2999	478726.63	3850221.93	1.52661	2.04E+00	2.15E+00	2.34E+00
3000	478976.63	3850221.93	0.996	1.33E+00	1.40E+00	1.53E+00
3001	479026.63	3850221.93	0.93422	1.25E+00	1.31E+00	1.43E+00
3002	479076.63	3850221.93	0.88202	1.18E+00	1.24E+00	1.35E+00
3003	479126.63	3850221.93	0.8354	1.12E+00	1.18E+00	1.28E+00
3004	479176.63	3850221.93	0.79268	1.06E+00	1.12E+00	1.21E+00
3005	479226.63	3850221.93	0.7546	1.01E+00	1.06E+00	1.16E+00
3006	479276.63	3850221.93	0.7198	9.63E-01	1.01E+00	1.10E+00
3007	479326.63	3850221.93	0.69063	9.24E-01	9.72E-01	1.06E+00
3008	479376.63	3850221.93	0.66269	8.87E-01	9.32E-01	1.01E+00
3009	478676.63	3850271.93	2.41694	3.23E+00	3.40E+00	3.70E+00
3010	478726.63	3850271.93	2.01022	2.69E+00	2.83E+00	3.08E+00
3011	478976.63	3850271.93	1.15586	1.55E+00	1.63E+00	1.77E+00
3012	479026.63	3850271.93	1.06909	1.43E+00	1.50E+00	1.64E+00
3013	479076.63	3850271.93	0.99851	1.34E+00	1.40E+00	1.53E+00
3014	479126.63	3850271.93	0.93748	1.25E+00	1.32E+00	1.44E+00
3015	479176.63	3850271.93	0.88313	1.18E+00	1.24E+00	1.35E+00
3016	479226.63	3850271.93	0.83471	1.12E+00	1.17E+00	1.28E+00
3017	479276.63	3850271.93	0.79319	1.06E+00	1.12E+00	1.21E+00
3018	479326.63	3850271.93	0.75752	1.01E+00	1.07E+00	1.16E+00
3019	479376.63	3850271.93	0.7243	9.69E-01	1.02E+00	1.11E+00
3020	479053.24	3850293.52	1.09557	1.47E+00	1.54E+00	1.68E+00

3021	479103.24	3850293.52	1.02062	1.37E+00	1.44E+00	1.56E+00
3022	479153.24	3850293.52	0.95768	1.28E+00	1.35E+00	1.47E+00
3023	479203.24	3850293.52	0.90005	1.20E+00	1.27E+00	1.38E+00
3024	479253.24	3850293.52	0.85072	1.14E+00	1.20E+00	1.30E+00
3025	479303.24	3850293.52	0.80915	1.08E+00	1.14E+00	1.24E+00
3026	479353.24	3850293.52	0.77181	1.03E+00	1.09E+00	1.18E+00
3027	479153.24	3850343.52	1.09816	1.47E+00	1.55E+00	1.68E+00
3028	479203.24	3850343.52	1.02203	1.37E+00	1.44E+00	1.56E+00
3029	479253.24	3850343.52	0.96038	1.29E+00	1.35E+00	1.47E+00
3030	479303.24	3850343.52	0.90712	1.21E+00	1.28E+00	1.39E+00
3031	479353.24	3850343.52	0.85916	1.15E+00	1.21E+00	1.32E+00
3032	479203.24	3850393.52	1.19246	1.60E+00	1.68E+00	1.83E+00
3033	479253.24	3850393.52	1.1065	1.48E+00	1.56E+00	1.69E+00
3034	479303.24	3850393.52	1.0346	1.38E+00	1.46E+00	1.58E+00
3035	479353.24	3850393.52	0.97165	1.30E+00	1.37E+00	1.49E+00
3036	479403.24	3850393.52	0.91515	1.22E+00	1.29E+00	1.40E+00
3037	479453.24	3850393.52	0.86393	1.16E+00	1.22E+00	1.32E+00
3038	479503.24	3850393.52	0.81424	1.09E+00	1.15E+00	1.25E+00
3039	479303.24	3850443.52	1.2137	1.62E+00	1.71E+00	1.86E+00
3040	479353.24	3850443.52	1.12567	1.51E+00	1.58E+00	1.72E+00
3041	479403.24	3850443.52	1.04804	1.40E+00	1.47E+00	1.60E+00
3042	479453.24	3850443.52	0.9784	1.31E+00	1.38E+00	1.50E+00
3043	479503.24	3850443.52	0.91388	1.22E+00	1.29E+00	1.40E+00
3044	480327.18	3850987.04	1.45528	1.95E+00	2.05E+00	2.23E+00
3045	480377.18	3850987.04	1.32495	1.77E+00	1.86E+00	2.03E+00
3046	480427.18	3850987.04	1.21538	1.63E+00	1.71E+00	1.86E+00
3047	480477.18	3850987.04	1.11983	1.50E+00	1.58E+00	1.71E+00
3048	480327.18	3851037.04	1.87471	2.51E+00	2.64E+00	2.87E+00
3049	480377.18	3851037.04	1.65799	2.22E+00	2.33E+00	2.54E+00
3050	480427.18	3851037.04	1.48382	1.99E+00	2.09E+00	2.27E+00
3051	480477.18	3851037.04	1.33979	1.79E+00	1.89E+00	2.05E+00
3052	480622.06	3851087.39	1.2397	1.66E+00	1.74E+00	1.90E+00
3053	480672.06	3851087.39	1.13967	1.53E+00	1.60E+00	1.75E+00
3054	480622.06	3851137.39	1.52737	2.04E+00	2.15E+00	2.34E+00
3055	480672.06	3851137.39	1.37227	1.84E+00	1.93E+00	2.10E+00
3056	480722.06	3851137.39	1.24957	1.67E+00	1.76E+00	1.91E+00
3057	480622.06	3851187.39	2.01712	2.70E+00	2.84E+00	3.09E+00
3058	480672.06	3851187.39	1.74383	2.33E+00	2.45E+00	2.67E+00
3059	480722.06	3851187.39	1.54161	2.06E+00	2.17E+00	2.36E+00
3060	471363.09	3845877.25	0.00794	1.06E-02	1.12E-02	1.22E-02
3061	471863.09	3845877.25	0.00768	1.03E-02	1.08E-02	1.18E-02
3062	472363.09	3845877.25	0.00995	1.33E-02	1.40E-02	1.52E-02
3063	472863.09	3845877.25	0.0075	1.00E-02	1.06E-02	1.15E-02
3064	473363.09	3845877.25	0.00788	1.05E-02	1.11E-02	1.21E-02
3065	473863.09	3845877.25	0.00824	1.10E-02	1.16E-02	1.26E-02
3066	474363.09	3845877.25	0.0096	1.28E-02	1.35E-02	1.47E-02
3067	474863.09	3845877.25	0.01117	1.50E-02	1.57E-02	1.71E-02
3068	475363.09	3845877.25	0.01292	1.73E-02	1.82E-02	1.98E-02
3069	475863.09	3845877.25	0.01331	1.78E-02	1.87E-02	2.04E-02
3070	476363.09	3845877.25	0.01246	1.67E-02	1.75E-02	1.91E-02
3071	476863.09	3845877.25	0.01162	1.56E-02	1.64E-02	1.78E-02
3072	477363.09	3845877.25	0.0116	1.55E-02	1.63E-02	1.78E-02
3073	477863.09	3845877.25	0.01101	1.47E-02	1.55E-02	1.69E-02
3074	478363.09	3845877.25	0.01126	1.51E-02	1.58E-02	1.72E-02
3075	478863.09	3845877.25	0.01147	1.54E-02	1.61E-02	1.76E-02
3076	479363.09	3845877.25	0.01222	1.64E-02	1.72E-02	1.87E-02
3077	479863.09	3845877.25	0.01229	1.64E-02	1.73E-02	1.88E-02
3078	480363.09	3845877.25	0.01141	1.53E-02	1.61E-02	1.75E-02
3079	480863.09	3845877.25	0.01121	1.50E-02	1.58E-02	1.72E-02
3080	481363.09	3845877.25	0.01111	1.49E-02	1.56E-02	1.70E-02
3081	481863.09	3845877.25	0.01065	1.43E-02	1.50E-02	1.63E-02
3082	482363.09	3845877.25	0.01002	1.34E-02	1.41E-02	1.53E-02
3083	482863.09	3845877.25	0.0081	1.08E-02	1.14E-02	1.24E-02

3084	483363.09	3845877.25	0.00732	9.80E-03	1.03E-02	1.12E-02
3085	483863.09	3845877.25	0.0093	1.24E-02	1.31E-02	1.42E-02
3086	484363.09	3845877.25	0.00947	1.27E-02	1.33E-02	1.45E-02
3087	484863.09	3845877.25	0.00929	1.24E-02	1.31E-02	1.42E-02
3088	485363.09	3845877.25	0.00889	1.19E-02	1.25E-02	1.36E-02
3089	485863.09	3845877.25	0.00918	1.23E-02	1.29E-02	1.41E-02
3090	486363.09	3845877.25	0.00908	1.22E-02	1.28E-02	1.39E-02
3091	486863.09	3845877.25	0.00848	1.13E-02	1.19E-02	1.30E-02
3092	487363.09	3845877.25	0.00838	1.12E-02	1.18E-02	1.28E-02
3093	487863.09	3845877.25	0.00783	1.05E-02	1.10E-02	1.20E-02
3094	488363.09	3845877.25	0.0076	1.02E-02	1.07E-02	1.16E-02
3095	488863.09	3845877.25	0.00878	1.18E-02	1.24E-02	1.34E-02
3096	489363.09	3845877.25	0.00874	1.17E-02	1.23E-02	1.34E-02
3097	489863.09	3845877.25	0.00815	1.09E-02	1.15E-02	1.25E-02
3098	490363.09	3845877.25	0.00733	9.81E-03	1.03E-02	1.12E-02
3099	490863.09	3845877.25	0.00588	7.87E-03	8.27E-03	9.00E-03
3100	491363.09	3845877.25	0.00662	8.86E-03	9.31E-03	1.01E-02
3101	491863.09	3845877.25	0.00705	9.44E-03	9.92E-03	1.08E-02
3102	492363.09	3845877.25	0.00599	8.02E-03	8.43E-03	9.17E-03
3103	492863.09	3845877.25	0.00729	9.76E-03	1.03E-02	1.12E-02
3104	493363.09	3845877.25	0.00772	1.03E-02	1.09E-02	1.18E-02
3105	493863.09	3845877.25	0.00812	1.09E-02	1.14E-02	1.24E-02
3106	494363.09	3845877.25	0.00836	1.12E-02	1.18E-02	1.28E-02
3107	494863.09	3845877.25	0.00843	1.13E-02	1.19E-02	1.29E-02
3108	495363.09	3845877.25	0.00866	1.16E-02	1.22E-02	1.33E-02
3109	495863.09	3845877.25	0.00891	1.19E-02	1.25E-02	1.36E-02
3110	496363.09	3845877.25	0.00913	1.22E-02	1.28E-02	1.40E-02
3111	496863.09	3845877.25	0.00912	1.22E-02	1.28E-02	1.40E-02
3112	497363.09	3845877.25	0.00911	1.22E-02	1.28E-02	1.39E-02
3113	497863.09	3845877.25	0.00914	1.22E-02	1.29E-02	1.40E-02
3114	498363.09	3845877.25	0.00909	1.22E-02	1.28E-02	1.39E-02
3115	471363.09	3846377.25	0.02	2.68E-02	2.81E-02	3.06E-02
3116	471863.09	3846377.25	0.01792	2.40E-02	2.52E-02	2.74E-02
3117	472363.09	3846377.25	0.00942	1.26E-02	1.33E-02	1.44E-02
3118	472863.09	3846377.25	0.01057	1.41E-02	1.49E-02	1.62E-02
3119	473363.09	3846377.25	0.01058	1.42E-02	1.49E-02	1.62E-02
3120	473863.09	3846377.25	0.01216	1.63E-02	1.71E-02	1.86E-02
3121	474363.09	3846377.25	0.01281	1.71E-02	1.80E-02	1.96E-02
3122	474863.09	3846377.25	0.01457	1.95E-02	2.05E-02	2.23E-02
3123	475363.09	3846377.25	0.01664	2.23E-02	2.34E-02	2.55E-02
3124	475863.09	3846377.25	0.01921	2.57E-02	2.70E-02	2.94E-02
3125	476363.09	3846377.25	0.01889	2.53E-02	2.66E-02	2.89E-02
3126	476863.09	3846377.25	0.01869	2.50E-02	2.63E-02	2.86E-02
3127	477363.09	3846377.25	0.01878	2.51E-02	2.64E-02	2.88E-02
3128	477863.09	3846377.25	0.01816	2.43E-02	2.56E-02	2.78E-02
3129	478363.09	3846377.25	0.01793	2.40E-02	2.52E-02	2.75E-02
3130	478863.09	3846377.25	0.01876	2.51E-02	2.64E-02	2.87E-02
3131	479363.09	3846377.25	0.01896	2.54E-02	2.67E-02	2.90E-02
3132	479863.09	3846377.25	0.01844	2.47E-02	2.59E-02	2.82E-02
3133	480363.09	3846377.25	0.01869	2.50E-02	2.63E-02	2.86E-02
3134	480863.09	3846377.25	0.01683	2.25E-02	2.37E-02	2.58E-02
3135	481363.09	3846377.25	0.01665	2.23E-02	2.34E-02	2.55E-02
3136	481863.09	3846377.25	0.0157	2.10E-02	2.21E-02	2.40E-02
3137	482363.09	3846377.25	0.01431	1.92E-02	2.01E-02	2.19E-02
3138	482863.09	3846377.25	0.01222	1.64E-02	1.72E-02	1.87E-02
3139	483363.09	3846377.25	0.01298	1.74E-02	1.83E-02	1.99E-02
3140	483863.09	3846377.25	0.01289	1.73E-02	1.81E-02	1.97E-02
3141	484363.09	3846377.25	0.0118	1.58E-02	1.66E-02	1.81E-02
3142	484863.09	3846377.25	0.01308	1.75E-02	1.84E-02	2.00E-02
3143	485363.09	3846377.25	0.01309	1.75E-02	1.84E-02	2.00E-02
3144	485863.09	3846377.25	0.01219	1.63E-02	1.72E-02	1.87E-02
3145	486363.09	3846377.25	0.01028	1.38E-02	1.45E-02	1.57E-02
3146	486863.09	3846377.25	0.00977	1.31E-02	1.37E-02	1.50E-02

3147	487363.09	3846377.25	0.0101	1.35E-02	1.42E-02	1.55E-02
3148	487863.09	3846377.25	0.01128	1.51E-02	1.59E-02	1.73E-02
3149	488363.09	3846377.25	0.011	1.47E-02	1.55E-02	1.68E-02
3150	488863.09	3846377.25	0.01087	1.45E-02	1.53E-02	1.66E-02
3151	489363.09	3846377.25	0.01067	1.43E-02	1.50E-02	1.63E-02
3152	489863.09	3846377.25	0.00995	1.33E-02	1.40E-02	1.52E-02
3153	490363.09	3846377.25	0.00806	1.08E-02	1.13E-02	1.23E-02
3154	490863.09	3846377.25	0.00734	9.82E-03	1.03E-02	1.12E-02
3155	491363.09	3846377.25	0.00717	9.60E-03	1.01E-02	1.10E-02
3156	491863.09	3846377.25	0.00833	1.11E-02	1.17E-02	1.28E-02
3157	492363.09	3846377.25	0.00796	1.07E-02	1.12E-02	1.22E-02
3158	492863.09	3846377.25	0.00803	1.07E-02	1.13E-02	1.23E-02
3159	493363.09	3846377.25	0.00885	1.18E-02	1.25E-02	1.36E-02
3160	493863.09	3846377.25	0.00919	1.23E-02	1.29E-02	1.41E-02
3161	494363.09	3846377.25	0.00943	1.26E-02	1.33E-02	1.44E-02
3162	494863.09	3846377.25	0.00959	1.28E-02	1.35E-02	1.47E-02
3163	495363.09	3846377.25	0.0097	1.30E-02	1.36E-02	1.49E-02
3164	495863.09	3846377.25	0.00994	1.33E-02	1.40E-02	1.52E-02
3165	496363.09	3846377.25	0.01014	1.36E-02	1.43E-02	1.55E-02
3166	496863.09	3846377.25	0.01023	1.37E-02	1.44E-02	1.57E-02
3167	497363.09	3846377.25	0.01026	1.37E-02	1.44E-02	1.57E-02
3168	497863.09	3846377.25	0.01017	1.36E-02	1.43E-02	1.56E-02
3169	498363.09	3846377.25	0.01	1.34E-02	1.41E-02	1.53E-02
3170	471363.09	3846877.25	0.02174	2.91E-02	3.06E-02	3.33E-02
3171	471863.09	3846877.25	0.02569	3.44E-02	3.61E-02	3.93E-02
3172	472363.09	3846877.25	0.02792	3.74E-02	3.93E-02	4.28E-02
3173	472863.09	3846877.25	0.01239	1.66E-02	1.74E-02	1.90E-02
3174	473363.09	3846877.25	0.01561	2.09E-02	2.20E-02	2.39E-02
3175	473863.09	3846877.25	0.01878	2.51E-02	2.64E-02	2.88E-02
3176	474363.09	3846877.25	0.01854	2.48E-02	2.61E-02	2.84E-02
3177	474863.09	3846877.25	0.0194	2.60E-02	2.73E-02	2.97E-02
3178	475363.09	3846877.25	0.02066	2.77E-02	2.91E-02	3.16E-02
3179	475863.09	3846877.25	0.02831	3.79E-02	3.98E-02	4.33E-02
3180	476363.09	3846877.25	0.03284	4.40E-02	4.62E-02	5.03E-02
3181	476863.09	3846877.25	0.03299	4.42E-02	4.64E-02	5.05E-02
3182	477363.09	3846877.25	0.03306	4.42E-02	4.65E-02	5.06E-02
3183	477863.09	3846877.25	0.0317	4.24E-02	4.46E-02	4.85E-02
3184	478363.09	3846877.25	0.03109	4.16E-02	4.37E-02	4.76E-02
3185	478863.09	3846877.25	0.03138	4.20E-02	4.42E-02	4.80E-02
3186	479363.09	3846877.25	0.03015	4.04E-02	4.24E-02	4.62E-02
3187	479863.09	3846877.25	0.02536	3.39E-02	3.57E-02	3.88E-02
3188	480363.09	3846877.25	0.02258	3.02E-02	3.18E-02	3.46E-02
3189	480863.09	3846877.25	0.02142	2.87E-02	3.01E-02	3.28E-02
3190	481363.09	3846877.25	0.02229	2.98E-02	3.14E-02	3.41E-02
3191	481863.09	3846877.25	0.02177	2.91E-02	3.06E-02	3.33E-02
3192	482363.09	3846877.25	0.0191	2.56E-02	2.69E-02	2.92E-02
3193	482863.09	3846877.25	0.01859	2.49E-02	2.62E-02	2.85E-02
3194	483363.09	3846877.25	0.01805	2.42E-02	2.54E-02	2.76E-02
3195	483863.09	3846877.25	0.01763	2.36E-02	2.48E-02	2.70E-02
3196	484363.09	3846877.25	0.01764	2.36E-02	2.48E-02	2.70E-02
3197	484863.09	3846877.25	0.01704	2.28E-02	2.40E-02	2.61E-02
3198	485363.09	3846877.25	0.01704	2.28E-02	2.40E-02	2.61E-02
3199	485863.09	3846877.25	0.01604	2.15E-02	2.26E-02	2.46E-02
3200	486363.09	3846877.25	0.01669	2.23E-02	2.35E-02	2.56E-02
3201	486863.09	3846877.25	0.01418	1.90E-02	2.00E-02	2.17E-02
3202	487363.09	3846877.25	0.0144	1.93E-02	2.03E-02	2.20E-02
3203	487863.09	3846877.25	0.01412	1.89E-02	1.99E-02	2.16E-02
3204	488363.09	3846877.25	0.01352	1.81E-02	1.90E-02	2.07E-02
3205	488863.09	3846877.25	0.01333	1.78E-02	1.88E-02	2.04E-02
3206	489363.09	3846877.25	0.0131	1.75E-02	1.84E-02	2.01E-02
3207	489863.09	3846877.25	0.01228	1.64E-02	1.73E-02	1.88E-02
3208	490363.09	3846877.25	0.01028	1.38E-02	1.45E-02	1.57E-02
3209	490863.09	3846877.25	0.00969	1.30E-02	1.36E-02	1.48E-02

3210	491363.09	3846877.25	0.00952	1.27E-02	1.34E-02	1.46E-02
3211	491863.09	3846877.25	0.00881	1.18E-02	1.24E-02	1.35E-02
3212	492363.09	3846877.25	0.01011	1.35E-02	1.42E-02	1.55E-02
3213	492863.09	3846877.25	0.0101	1.35E-02	1.42E-02	1.55E-02
3214	493363.09	3846877.25	0.01043	1.40E-02	1.47E-02	1.60E-02
3215	493863.09	3846877.25	0.01055	1.41E-02	1.48E-02	1.62E-02
3216	494363.09	3846877.25	0.01049	1.40E-02	1.48E-02	1.61E-02
3217	494863.09	3846877.25	0.01052	1.41E-02	1.48E-02	1.61E-02
3218	495363.09	3846877.25	0.01051	1.41E-02	1.48E-02	1.61E-02
3219	495863.09	3846877.25	0.01051	1.41E-02	1.48E-02	1.61E-02
3220	496363.09	3846877.25	0.01055	1.41E-02	1.48E-02	1.62E-02
3221	496863.09	3846877.25	0.01075	1.44E-02	1.51E-02	1.65E-02
3222	497363.09	3846877.25	0.01109	1.48E-02	1.56E-02	1.70E-02
3223	497863.09	3846877.25	0.01126	1.51E-02	1.58E-02	1.72E-02
3224	498363.09	3846877.25	0.01095	1.47E-02	1.54E-02	1.68E-02
3225	471363.09	3847377.25	0.0259	3.47E-02	3.64E-02	3.97E-02
3226	471863.09	3847377.25	0.02968	3.97E-02	4.18E-02	4.54E-02
3227	472363.09	3847377.25	0.03567	4.77E-02	5.02E-02	5.46E-02
3228	472863.09	3847377.25	0.04504	6.03E-02	6.34E-02	6.90E-02
3229	473363.09	3847377.25	0.03093	4.14E-02	4.35E-02	4.74E-02
3230	473863.09	3847377.25	0.03135	4.20E-02	4.41E-02	4.80E-02
3231	474363.09	3847377.25	0.03611	4.83E-02	5.08E-02	5.53E-02
3232	474863.09	3847377.25	0.03862	5.17E-02	5.43E-02	5.91E-02
3233	475363.09	3847377.25	0.04285	5.74E-02	6.03E-02	6.56E-02
3234	475863.09	3847377.25	0.05753	7.70E-02	8.09E-02	8.81E-02
3235	476363.09	3847377.25	0.06862	9.18E-02	9.66E-02	1.05E-01
3236	476863.09	3847377.25	0.06415	8.59E-02	9.03E-02	9.82E-02
3237	477363.09	3847377.25	0.06141	8.22E-02	8.64E-02	9.40E-02
3238	477863.09	3847377.25	0.05634	7.54E-02	7.93E-02	8.63E-02
3239	478363.09	3847377.25	0.05337	7.14E-02	7.51E-02	8.17E-02
3240	478863.09	3847377.25	0.05152	6.90E-02	7.25E-02	7.89E-02
3241	479363.09	3847377.25	0.04283	5.73E-02	6.03E-02	6.56E-02
3242	479863.09	3847377.25	0.0333	4.46E-02	4.69E-02	5.10E-02
3243	480363.09	3847377.25	0.02503	3.35E-02	3.52E-02	3.83E-02
3244	480863.09	3847377.25	0.02251	3.01E-02	3.17E-02	3.45E-02
3245	481363.09	3847377.25	0.0246	3.29E-02	3.46E-02	3.77E-02
3246	481863.09	3847377.25	0.02949	3.95E-02	4.15E-02	4.52E-02
3247	482363.09	3847377.25	0.02822	3.78E-02	3.97E-02	4.32E-02
3248	482863.09	3847377.25	0.02619	3.51E-02	3.69E-02	4.01E-02
3249	483363.09	3847377.25	0.02428	3.25E-02	3.42E-02	3.72E-02
3250	483863.09	3847377.25	0.0236	3.16E-02	3.32E-02	3.61E-02
3251	484363.09	3847377.25	0.02429	3.25E-02	3.42E-02	3.72E-02
3252	484863.09	3847377.25	0.02307	3.09E-02	3.25E-02	3.53E-02
3253	485363.09	3847377.25	0.02244	3.00E-02	3.16E-02	3.44E-02
3254	485863.09	3847377.25	0.02234	2.99E-02	3.14E-02	3.42E-02
3255	486363.09	3847377.25	0.02211	2.96E-02	3.11E-02	3.39E-02
3256	486863.09	3847377.25	0.0196	2.62E-02	2.76E-02	3.00E-02
3257	487363.09	3847377.25	0.01949	2.61E-02	2.74E-02	2.98E-02
3258	487863.09	3847377.25	0.01773	2.37E-02	2.49E-02	2.71E-02
3259	488363.09	3847377.25	0.01695	2.27E-02	2.38E-02	2.60E-02
3260	488863.09	3847377.25	0.01648	2.21E-02	2.32E-02	2.52E-02
3261	489363.09	3847377.25	0.01605	2.15E-02	2.26E-02	2.46E-02
3262	489863.09	3847377.25	0.01457	1.95E-02	2.05E-02	2.23E-02
3263	490363.09	3847377.25	0.01319	1.77E-02	1.86E-02	2.02E-02
3264	490863.09	3847377.25	0.01275	1.71E-02	1.79E-02	1.95E-02
3265	491363.09	3847377.25	0.01212	1.62E-02	1.71E-02	1.86E-02
3266	491863.09	3847377.25	0.01265	1.69E-02	1.78E-02	1.94E-02
3267	492363.09	3847377.25	0.01205	1.61E-02	1.70E-02	1.85E-02
3268	492863.09	3847377.25	0.01216	1.63E-02	1.71E-02	1.86E-02
3269	493363.09	3847377.25	0.01205	1.61E-02	1.70E-02	1.85E-02
3270	493863.09	3847377.25	0.01151	1.54E-02	1.62E-02	1.76E-02
3271	494363.09	3847377.25	0.01106	1.48E-02	1.56E-02	1.69E-02
3272	494863.09	3847377.25	0.01086	1.45E-02	1.53E-02	1.66E-02

3273	495363.09	3847377.25	0.01066	1.43E-02	1.50E-02	1.63E-02
3274	495863.09	3847377.25	0.01065	1.43E-02	1.50E-02	1.63E-02
3275	496363.09	3847377.25	0.01057	1.41E-02	1.49E-02	1.62E-02
3276	496863.09	3847377.25	0.01088	1.46E-02	1.53E-02	1.67E-02
3277	497363.09	3847377.25	0.01143	1.53E-02	1.61E-02	1.75E-02
3278	497863.09	3847377.25	0.01212	1.62E-02	1.71E-02	1.86E-02
3279	498363.09	3847377.25	0.01201	1.61E-02	1.69E-02	1.84E-02
3280	471363.09	3847877.25	0.031	4.15E-02	4.36E-02	4.75E-02
3281	471863.09	3847877.25	0.0368	4.93E-02	5.18E-02	5.63E-02
3282	472363.09	3847877.25	0.04501	6.02E-02	6.33E-02	6.89E-02
3283	472863.09	3847877.25	0.05993	8.02E-02	8.43E-02	9.18E-02
3284	473363.09	3847877.25	0.09796	1.31E-01	1.38E-01	1.50E-01
3285	473863.09	3847877.25	0.60148	8.05E-01	8.46E-01	9.21E-01
3286	474363.09	3847877.25	0.2658	3.56E-01	3.74E-01	4.07E-01
3287	474863.09	3847877.25	0.21839	2.92E-01	3.07E-01	3.34E-01
3288	475363.09	3847877.25	0.15096	2.02E-01	2.12E-01	2.31E-01
3289	475863.09	3847877.25	0.11821	1.58E-01	1.66E-01	1.81E-01
3290	476363.09	3847877.25	0.13375	1.79E-01	1.88E-01	2.05E-01
3291	476863.09	3847877.25	0.12085	1.62E-01	1.70E-01	1.85E-01
3292	477363.09	3847877.25	0.10786	1.44E-01	1.52E-01	1.65E-01
3293	477863.09	3847877.25	0.09668	1.29E-01	1.36E-01	1.48E-01
3294	478363.09	3847877.25	0.08644	1.16E-01	1.22E-01	1.32E-01
3295	478863.09	3847877.25	0.07914	1.06E-01	1.11E-01	1.21E-01
3296	479363.09	3847877.25	0.05867	7.85E-02	8.26E-02	8.98E-02
3297	479863.09	3847877.25	0.03767	5.04E-02	5.30E-02	5.77E-02
3298	480363.09	3847877.25	0.03841	5.14E-02	5.40E-02	5.88E-02
3299	480863.09	3847877.25	0.03381	4.53E-02	4.76E-02	5.18E-02
3300	481363.09	3847877.25	0.03332	4.46E-02	4.69E-02	5.10E-02
3301	481863.09	3847877.25	0.04167	5.58E-02	5.86E-02	6.38E-02
3302	482363.09	3847877.25	0.03867	5.18E-02	5.44E-02	5.92E-02
3303	482863.09	3847877.25	0.03495	4.68E-02	4.92E-02	5.35E-02
3304	483363.09	3847877.25	0.03253	4.35E-02	4.58E-02	4.98E-02
3305	483863.09	3847877.25	0.03152	4.22E-02	4.44E-02	4.83E-02
3306	484363.09	3847877.25	0.03171	4.24E-02	4.46E-02	4.86E-02
3307	484863.09	3847877.25	0.03041	4.07E-02	4.28E-02	4.66E-02
3308	485363.09	3847877.25	0.03003	4.02E-02	4.23E-02	4.60E-02
3309	485863.09	3847877.25	0.02962	3.96E-02	4.17E-02	4.54E-02
3310	486363.09	3847877.25	0.02723	3.64E-02	3.83E-02	4.17E-02
3311	486863.09	3847877.25	0.02534	3.39E-02	3.57E-02	3.88E-02
3312	487363.09	3847877.25	0.02399	3.21E-02	3.38E-02	3.67E-02
3313	487863.09	3847877.25	0.022	2.94E-02	3.10E-02	3.37E-02
3314	488363.09	3847877.25	0.02088	2.79E-02	2.94E-02	3.20E-02
3315	488863.09	3847877.25	0.02021	2.70E-02	2.84E-02	3.09E-02
3316	489363.09	3847877.25	0.01956	2.62E-02	2.75E-02	3.00E-02
3317	489863.09	3847877.25	0.01965	2.63E-02	2.76E-02	3.01E-02
3318	490363.09	3847877.25	0.01869	2.50E-02	2.63E-02	2.86E-02
3319	490863.09	3847877.25	0.0174	2.33E-02	2.45E-02	2.66E-02
3320	491363.09	3847877.25	0.01557	2.08E-02	2.19E-02	2.38E-02
3321	491863.09	3847877.25	0.01498	2.00E-02	2.11E-02	2.29E-02
3322	492363.09	3847877.25	0.01461	1.96E-02	2.06E-02	2.24E-02
3323	492863.09	3847877.25	0.01403	1.88E-02	1.97E-02	2.15E-02
3324	493363.09	3847877.25	0.01269	1.70E-02	1.79E-02	1.94E-02
3325	493863.09	3847877.25	0.01179	1.58E-02	1.66E-02	1.81E-02
3326	494363.09	3847877.25	0.01132	1.52E-02	1.59E-02	1.73E-02
3327	494863.09	3847877.25	0.01107	1.48E-02	1.56E-02	1.70E-02
3328	495363.09	3847877.25	0.01051	1.41E-02	1.48E-02	1.61E-02
3329	495863.09	3847877.25	0.00886	1.19E-02	1.25E-02	1.36E-02
3330	496363.09	3847877.25	0.01038	1.39E-02	1.46E-02	1.59E-02
3331	496863.09	3847877.25	0.01067	1.43E-02	1.50E-02	1.63E-02
3332	497363.09	3847877.25	0.01125	1.51E-02	1.58E-02	1.72E-02
3333	497863.09	3847877.25	0.01279	1.71E-02	1.80E-02	1.96E-02
3334	498363.09	3847877.25	0.01303	1.74E-02	1.83E-02	2.00E-02
3335	471363.09	3848377.25	0.03301	4.42E-02	4.64E-02	5.05E-02

3336	471863.09	3848377.25	0.04015	5.37E-02	5.65E-02	6.15E-02
3337	472363.09	3848377.25	0.05104	6.83E-02	7.18E-02	7.82E-02
3338	472863.09	3848377.25	0.06939	9.29E-02	9.76E-02	1.06E-01
3339	473363.09	3848377.25	0.10417	1.39E-01	1.47E-01	1.60E-01
3340	473863.09	3848377.25	0.19164	2.56E-01	2.70E-01	2.93E-01
3341	474363.09	3848377.25	0.69397	9.29E-01	9.76E-01	1.06E+00
3342	474863.09	3848377.25	0.64453	8.63E-01	9.07E-01	9.87E-01
3343	475363.09	3848377.25	0.44128	5.91E-01	6.21E-01	6.76E-01
3344	475863.09	3848377.25	0.26837	3.59E-01	3.78E-01	4.11E-01
3345	476363.09	3848377.25	0.18687	2.50E-01	2.63E-01	2.86E-01
3346	476863.09	3848377.25	0.20047	2.68E-01	2.82E-01	3.07E-01
3347	477363.09	3848377.25	0.17277	2.31E-01	2.43E-01	2.65E-01
3348	477863.09	3848377.25	0.1558	2.09E-01	2.19E-01	2.39E-01
3349	478363.09	3848377.25	0.13699	1.83E-01	1.93E-01	2.10E-01
3350	478863.09	3848377.25	0.11627	1.56E-01	1.64E-01	1.78E-01
3351	479363.09	3848377.25	0.08701	1.16E-01	1.22E-01	1.33E-01
3352	479863.09	3848377.25	0.03698	4.95E-02	5.20E-02	5.66E-02
3353	480363.09	3848377.25	0.04885	6.54E-02	6.87E-02	7.48E-02
3354	480863.09	3848377.25	0.06026	8.07E-02	8.48E-02	9.23E-02
3355	481363.09	3848377.25	0.05749	7.69E-02	8.09E-02	8.80E-02
3356	481863.09	3848377.25	0.05638	7.55E-02	7.93E-02	8.63E-02
3357	482363.09	3848377.25	0.05373	7.19E-02	7.56E-02	8.23E-02
3358	482863.09	3848377.25	0.04721	6.32E-02	6.64E-02	7.23E-02
3359	483363.09	3848377.25	0.0441	5.90E-02	6.21E-02	6.75E-02
3360	483863.09	3848377.25	0.03991	5.34E-02	5.62E-02	6.11E-02
3361	484363.09	3848377.25	0.03878	5.19E-02	5.46E-02	5.94E-02
3362	484863.09	3848377.25	0.03976	5.32E-02	5.59E-02	6.09E-02
3363	485363.09	3848377.25	0.03804	5.09E-02	5.35E-02	5.82E-02
3364	485863.09	3848377.25	0.03667	4.91E-02	5.16E-02	5.61E-02
3365	486363.09	3848377.25	0.03425	4.58E-02	4.82E-02	5.24E-02
3366	486863.09	3848377.25	0.03146	4.21E-02	4.43E-02	4.82E-02
3367	487363.09	3848377.25	0.02816	3.77E-02	3.96E-02	4.31E-02
3368	487863.09	3848377.25	0.02688	3.60E-02	3.78E-02	4.12E-02
3369	488363.09	3848377.25	0.02548	3.41E-02	3.59E-02	3.90E-02
3370	488863.09	3848377.25	0.02439	3.26E-02	3.43E-02	3.73E-02
3371	489363.09	3848377.25	0.02369	3.17E-02	3.33E-02	3.63E-02
3372	489863.09	3848377.25	0.02374	3.18E-02	3.34E-02	3.64E-02
3373	490363.09	3848377.25	0.02239	3.00E-02	3.15E-02	3.43E-02
3374	490863.09	3848377.25	0.02037	2.73E-02	2.87E-02	3.12E-02
3375	491363.09	3848377.25	0.01878	2.51E-02	2.64E-02	2.88E-02
3376	491863.09	3848377.25	0.0176	2.36E-02	2.48E-02	2.69E-02
3377	492363.09	3848377.25	0.01568	2.10E-02	2.21E-02	2.40E-02
3378	492863.09	3848377.25	0.01377	1.84E-02	1.94E-02	2.11E-02
3379	493363.09	3848377.25	0.0128	1.71E-02	1.80E-02	1.96E-02
3380	493863.09	3848377.25	0.01194	1.60E-02	1.68E-02	1.83E-02
3381	494363.09	3848377.25	0.01116	1.49E-02	1.57E-02	1.71E-02
3382	494863.09	3848377.25	0.01099	1.47E-02	1.55E-02	1.68E-02
3383	495363.09	3848377.25	0.00973	1.30E-02	1.37E-02	1.49E-02
3384	495863.09	3848377.25	0.00935	1.25E-02	1.32E-02	1.43E-02
3385	496363.09	3848377.25	0.00988	1.32E-02	1.39E-02	1.51E-02
3386	496863.09	3848377.25	0.00934	1.25E-02	1.31E-02	1.43E-02
3387	497363.09	3848377.25	0.01037	1.39E-02	1.46E-02	1.59E-02
3388	497863.09	3848377.25	0.01385	1.85E-02	1.95E-02	2.12E-02
3389	498363.09	3848377.25	0.01375	1.84E-02	1.93E-02	2.11E-02
3390	471363.09	3848877.25	0.0333	4.46E-02	4.69E-02	5.10E-02
3391	471863.09	3848877.25	0.04054	5.43E-02	5.70E-02	6.21E-02
3392	472363.09	3848877.25	0.05054	6.76E-02	7.11E-02	7.74E-02
3393	472863.09	3848877.25	0.06529	8.74E-02	9.19E-02	1.00E-01
3394	473363.09	3848877.25	0.08921	1.19E-01	1.26E-01	1.37E-01
3395	473863.09	3848877.25	0.13053	1.75E-01	1.84E-01	2.00E-01
3396	474363.09	3848877.25	0.2073	2.77E-01	2.92E-01	3.17E-01
3397	474863.09	3848877.25	0.58794	7.87E-01	8.27E-01	9.00E-01
3398	475363.09	3848877.25	1.159	1.55E+00	1.63E+00	1.77E+00

3399	475863.09	3848877.25	0.64127	8.58E-01	9.02E-01	9.82E-01
3400	476363.09	3848877.25	0.44528	5.96E-01	6.27E-01	6.82E-01
3401	476863.09	3848877.25	0.33808	4.52E-01	4.76E-01	5.18E-01
3402	477363.09	3848877.25	0.3368	4.51E-01	4.74E-01	5.16E-01
3403	477863.09	3848877.25	0.273	3.65E-01	3.84E-01	4.18E-01
3404	478363.09	3848877.25	0.23139	3.10E-01	3.26E-01	3.54E-01
3405	478863.09	3848877.25	0.18766	2.51E-01	2.64E-01	2.87E-01
3406	479363.09	3848877.25	0.14575	1.95E-01	2.05E-01	2.23E-01
3407	479863.09	3848877.25	0.11197	1.50E-01	1.58E-01	1.71E-01
3408	480363.09	3848877.25	0.10462	1.40E-01	1.47E-01	1.60E-01
3409	480863.09	3848877.25	0.09811	1.31E-01	1.38E-01	1.50E-01
3410	481363.09	3848877.25	0.08704	1.16E-01	1.22E-01	1.33E-01
3411	481863.09	3848877.25	0.07401	9.91E-02	1.04E-01	1.13E-01
3412	482363.09	3848877.25	0.06134	8.21E-02	8.63E-02	9.39E-02
3413	482863.09	3848877.25	0.05172	6.92E-02	7.28E-02	7.92E-02
3414	483363.09	3848877.25	0.04487	6.01E-02	6.31E-02	6.87E-02
3415	483863.09	3848877.25	0.04241	5.68E-02	5.97E-02	6.49E-02
3416	484363.09	3848877.25	0.04687	6.27E-02	6.59E-02	7.18E-02
3417	484863.09	3848877.25	0.05026	6.73E-02	7.07E-02	7.70E-02
3418	485363.09	3848877.25	0.04745	6.35E-02	6.68E-02	7.27E-02
3419	485863.09	3848877.25	0.04485	6.00E-02	6.31E-02	6.87E-02
3420	486363.09	3848877.25	0.04063	5.44E-02	5.72E-02	6.22E-02
3421	486863.09	3848877.25	0.03627	4.85E-02	5.10E-02	5.55E-02
3422	487363.09	3848877.25	0.03489	4.67E-02	4.91E-02	5.34E-02
3423	487863.09	3848877.25	0.03245	4.34E-02	4.57E-02	4.97E-02
3424	488363.09	3848877.25	0.03089	4.13E-02	4.35E-02	4.73E-02
3425	488863.09	3848877.25	0.02901	3.88E-02	4.08E-02	4.44E-02
3426	489363.09	3848877.25	0.02817	3.77E-02	3.96E-02	4.31E-02
3427	489863.09	3848877.25	0.02739	3.67E-02	3.85E-02	4.19E-02
3428	490363.09	3848877.25	0.02496	3.34E-02	3.51E-02	3.82E-02
3429	490863.09	3848877.25	0.02261	3.03E-02	3.18E-02	3.46E-02
3430	491363.09	3848877.25	0.02106	2.82E-02	2.96E-02	3.22E-02
3431	491863.09	3848877.25	0.01851	2.48E-02	2.60E-02	2.83E-02
3432	492363.09	3848877.25	0.0161	2.15E-02	2.27E-02	2.47E-02
3433	492863.09	3848877.25	0.01364	1.83E-02	1.92E-02	2.09E-02
3434	493363.09	3848877.25	0.0115	1.54E-02	1.62E-02	1.76E-02
3435	493863.09	3848877.25	0.01135	1.52E-02	1.60E-02	1.74E-02
3436	494363.09	3848877.25	0.01081	1.45E-02	1.52E-02	1.66E-02
3437	494863.09	3848877.25	0.01092	1.46E-02	1.54E-02	1.67E-02
3438	495363.09	3848877.25	0.01076	1.44E-02	1.51E-02	1.65E-02
3439	495863.09	3848877.25	0.00934	1.25E-02	1.31E-02	1.43E-02
3440	496363.09	3848877.25	0.00922	1.23E-02	1.30E-02	1.41E-02
3441	496863.09	3848877.25	0.01024	1.37E-02	1.44E-02	1.57E-02
3442	497363.09	3848877.25	0.01298	1.74E-02	1.83E-02	1.99E-02
3443	497863.09	3848877.25	0.0139	1.86E-02	1.96E-02	2.13E-02
3444	498363.09	3848877.25	0.01441	1.93E-02	2.03E-02	2.21E-02
3445	471363.09	3849377.25	0.03232	4.33E-02	4.55E-02	4.95E-02
3446	471863.09	3849377.25	0.03901	5.22E-02	5.49E-02	5.97E-02
3447	472363.09	3849377.25	0.04694	6.28E-02	6.60E-02	7.19E-02
3448	472863.09	3849377.25	0.05821	7.79E-02	8.19E-02	8.91E-02
3449	473363.09	3849377.25	0.07463	9.99E-02	1.05E-01	1.14E-01
3450	473863.09	3849377.25	0.09766	1.31E-01	1.37E-01	1.50E-01
3451	474363.09	3849377.25	0.13146	1.76E-01	1.85E-01	2.01E-01
3452	474863.09	3849377.25	0.18825	2.52E-01	2.65E-01	2.88E-01
3453	475363.09	3849377.25	0.31257	4.18E-01	4.40E-01	4.79E-01
3454	475863.09	3849377.25	0.54171	7.25E-01	7.62E-01	8.29E-01
3455	476363.09	3849377.25	1.00626	1.35E+00	1.42E+00	1.54E+00
3456	476863.09	3849377.25	2.23055	2.99E+00	3.14E+00	3.42E+00
3457	477363.09	3849377.25	0.80354	1.08E+00	1.13E+00	1.23E+00
3458	477863.09	3849377.25	0.51677	6.92E-01	7.27E-01	7.91E-01
3459	478363.09	3849377.25	0.38965	5.22E-01	5.48E-01	5.97E-01
3460	478863.09	3849377.25	0.28986	3.88E-01	4.08E-01	4.44E-01
3461	479363.09	3849377.25	0.2315	3.10E-01	3.26E-01	3.54E-01

3462	479863.09	3849377.25	0.17108	2.29E-01	2.41E-01	2.62E-01
3463	480363.09	3849377.25	0.16548	2.21E-01	2.33E-01	2.53E-01
3464	480863.09	3849377.25	0.14044	1.88E-01	1.98E-01	2.15E-01
3465	481363.09	3849377.25	0.11191	1.50E-01	1.57E-01	1.71E-01
3466	481863.09	3849377.25	0.08266	1.11E-01	1.16E-01	1.27E-01
3467	482363.09	3849377.25	0.07007	9.38E-02	9.86E-02	1.07E-01
3468	482863.09	3849377.25	0.0569	7.62E-02	8.01E-02	8.71E-02
3469	483363.09	3849377.25	0.05006	6.70E-02	7.04E-02	7.67E-02
3470	483863.09	3849377.25	0.04144	5.55E-02	5.83E-02	6.35E-02
3471	484363.09	3849377.25	0.05538	7.41E-02	7.79E-02	8.48E-02
3472	484863.09	3849377.25	0.06101	8.17E-02	8.58E-02	9.34E-02
3473	485363.09	3849377.25	0.05762	7.71E-02	8.11E-02	8.82E-02
3474	485863.09	3849377.25	0.0465	6.22E-02	6.54E-02	7.12E-02
3475	486363.09	3849377.25	0.03798	5.08E-02	5.34E-02	5.82E-02
3476	486863.09	3849377.25	0.04208	5.63E-02	5.92E-02	6.44E-02
3477	487363.09	3849377.25	0.04126	5.52E-02	5.81E-02	6.32E-02
3478	487863.09	3849377.25	0.03853	5.16E-02	5.42E-02	5.90E-02
3479	488363.09	3849377.25	0.03624	4.85E-02	5.10E-02	5.55E-02
3480	488863.09	3849377.25	0.03449	4.62E-02	4.85E-02	5.28E-02
3481	489363.09	3849377.25	0.03282	4.39E-02	4.62E-02	5.03E-02
3482	489863.09	3849377.25	0.03066	4.10E-02	4.31E-02	4.69E-02
3483	490363.09	3849377.25	0.02756	3.69E-02	3.88E-02	4.22E-02
3484	490863.09	3849377.25	0.02513	3.36E-02	3.54E-02	3.85E-02
3485	491363.09	3849377.25	0.02309	3.09E-02	3.25E-02	3.54E-02
3486	491863.09	3849377.25	0.02012	2.69E-02	2.83E-02	3.08E-02
3487	492363.09	3849377.25	0.01746	2.34E-02	2.46E-02	2.67E-02
3488	492863.09	3849377.25	0.01409	1.89E-02	1.98E-02	2.16E-02
3489	493363.09	3849377.25	0.01263	1.69E-02	1.78E-02	1.93E-02
3490	493863.09	3849377.25	0.01177	1.58E-02	1.66E-02	1.80E-02
3491	494363.09	3849377.25	0.01174	1.57E-02	1.65E-02	1.80E-02
3492	494863.09	3849377.25	0.01324	1.77E-02	1.86E-02	2.03E-02
3493	495363.09	3849377.25	0.01336	1.79E-02	1.88E-02	2.05E-02
3494	495863.09	3849377.25	0.00961	1.29E-02	1.35E-02	1.47E-02
3495	496363.09	3849377.25	0.00889	1.19E-02	1.25E-02	1.36E-02
3496	496863.09	3849377.25	0.01227	1.64E-02	1.73E-02	1.88E-02
3497	497363.09	3849377.25	0.013	1.74E-02	1.83E-02	1.99E-02
3498	497863.09	3849377.25	0.01634	2.19E-02	2.30E-02	2.50E-02
3499	498363.09	3849377.25	0.01518	2.03E-02	2.14E-02	2.32E-02
3500	471363.09	3849877.25	0.02535	3.39E-02	3.57E-02	3.88E-02
3501	471863.09	3849877.25	0.03434	4.60E-02	4.83E-02	5.26E-02
3502	472363.09	3849877.25	0.04279	5.73E-02	6.02E-02	6.55E-02
3503	472863.09	3849877.25	0.05168	6.92E-02	7.27E-02	7.91E-02
3504	473363.09	3849877.25	0.06305	8.44E-02	8.87E-02	9.65E-02
3505	473863.09	3849877.25	0.07746	1.04E-01	1.09E-01	1.19E-01
3506	474363.09	3849877.25	0.09534	1.28E-01	1.34E-01	1.46E-01
3507	474863.09	3849877.25	0.11806	1.58E-01	1.66E-01	1.81E-01
3508	475363.09	3849877.25	0.14843	1.99E-01	2.09E-01	2.27E-01
3509	475863.09	3849877.25	0.18859	2.52E-01	2.65E-01	2.89E-01
3510	476363.09	3849877.25	0.24634	3.30E-01	3.47E-01	3.77E-01
3511	476863.09	3849877.25	0.34932	4.68E-01	4.92E-01	5.35E-01
3512	477363.09	3849877.25	0.65727	8.80E-01	9.25E-01	1.01E+00
3513	477863.09	3849877.25	2.42547	3.25E+00	3.41E+00	3.71E+00
3514	478363.09	3849877.25	0.87609	1.17E+00	1.23E+00	1.34E+00
3515	478863.09	3849877.25	0.56607	7.58E-01	7.96E-01	8.67E-01
3516	479363.09	3849877.25	0.39349	5.27E-01	5.54E-01	6.03E-01
3517	479863.09	3849877.25	0.31408	4.20E-01	4.42E-01	4.81E-01
3518	480363.09	3849877.25	0.23007	3.08E-01	3.24E-01	3.52E-01
3519	480863.09	3849877.25	0.17776	2.38E-01	2.50E-01	2.72E-01
3520	481363.09	3849877.25	0.14617	1.96E-01	2.06E-01	2.24E-01
3521	481863.09	3849877.25	0.09928	1.33E-01	1.40E-01	1.52E-01
3522	482363.09	3849877.25	0.07958	1.07E-01	1.12E-01	1.22E-01
3523	482863.09	3849877.25	0.06633	8.88E-02	9.33E-02	1.02E-01
3524	483363.09	3849877.25	0.05522	7.39E-02	7.77E-02	8.46E-02

3525	483863.09	3849877.25	0.05211	6.97E-02	7.33E-02	7.98E-02
3526	484363.09	3849877.25	0.06443	8.62E-02	9.07E-02	9.87E-02
3527	484863.09	3849877.25	0.07447	9.97E-02	1.05E-01	1.14E-01
3528	485363.09	3849877.25	0.06699	8.97E-02	9.43E-02	1.03E-01
3529	485863.09	3849877.25	0.05691	7.62E-02	8.01E-02	8.71E-02
3530	486363.09	3849877.25	0.05108	6.84E-02	7.19E-02	7.82E-02
3531	486863.09	3849877.25	0.05183	6.94E-02	7.29E-02	7.94E-02
3532	487363.09	3849877.25	0.04883	6.54E-02	6.87E-02	7.48E-02
3533	487863.09	3849877.25	0.04524	6.06E-02	6.37E-02	6.93E-02
3534	488363.09	3849877.25	0.04234	5.67E-02	5.96E-02	6.48E-02
3535	488863.09	3849877.25	0.0399	5.34E-02	5.61E-02	6.11E-02
3536	489363.09	3849877.25	0.03716	4.97E-02	5.23E-02	5.69E-02
3537	489863.09	3849877.25	0.03394	4.54E-02	4.78E-02	5.20E-02
3538	490363.09	3849877.25	0.03048	4.08E-02	4.29E-02	4.67E-02
3539	490863.09	3849877.25	0.02795	3.74E-02	3.93E-02	4.28E-02
3540	491363.09	3849877.25	0.02547	3.41E-02	3.58E-02	3.90E-02
3541	491863.09	3849877.25	0.02223	2.98E-02	3.13E-02	3.40E-02
3542	492363.09	3849877.25	0.01952	2.61E-02	2.75E-02	2.99E-02
3543	492863.09	3849877.25	0.01644	2.20E-02	2.31E-02	2.52E-02
3544	493363.09	3849877.25	0.01388	1.86E-02	1.95E-02	2.13E-02
3545	493863.09	3849877.25	0.01231	1.65E-02	1.73E-02	1.88E-02
3546	494363.09	3849877.25	0.01471	1.97E-02	2.07E-02	2.25E-02
3547	494863.09	3849877.25	0.01604	2.15E-02	2.26E-02	2.46E-02
3548	495363.09	3849877.25	0.01304	1.75E-02	1.83E-02	2.00E-02
3549	495863.09	3849877.25	0.0146	1.95E-02	2.05E-02	2.24E-02
3550	496363.09	3849877.25	0.01471	1.97E-02	2.07E-02	2.25E-02
3551	496863.09	3849877.25	0.01458	1.95E-02	2.05E-02	2.23E-02
3552	497363.09	3849877.25	0.01673	2.24E-02	2.35E-02	2.56E-02
3553	497863.09	3849877.25	0.01698	2.27E-02	2.39E-02	2.60E-02
3554	498363.09	3849877.25	0.01577	2.11E-02	2.22E-02	2.41E-02
3555	471363.09	3850377.25	0.01336	1.79E-02	1.88E-02	2.05E-02
3556	471863.09	3850377.25	0.02539	3.40E-02	3.57E-02	3.89E-02
3557	472363.09	3850377.25	0.03385	4.53E-02	4.76E-02	5.18E-02
3558	472863.09	3850377.25	0.04542	6.08E-02	6.39E-02	6.95E-02
3559	473363.09	3850377.25	0.05369	7.19E-02	7.55E-02	8.22E-02
3560	473863.09	3850377.25	0.06324	8.46E-02	8.90E-02	9.68E-02
3561	474363.09	3850377.25	0.07342	9.83E-02	1.03E-01	1.12E-01
3562	474863.09	3850377.25	0.0859	1.15E-01	1.21E-01	1.32E-01
3563	475363.09	3850377.25	0.10029	1.34E-01	1.41E-01	1.54E-01
3564	475863.09	3850377.25	0.11917	1.60E-01	1.68E-01	1.82E-01
3565	476363.09	3850377.25	0.14534	1.95E-01	2.05E-01	2.23E-01
3566	476863.09	3850377.25	0.18018	2.41E-01	2.54E-01	2.76E-01
3567	477363.09	3850377.25	0.22946	3.07E-01	3.23E-01	3.51E-01
3568	477863.09	3850377.25	0.33077	4.43E-01	4.65E-01	5.06E-01
3569	478363.09	3850377.25	0.65217	8.73E-01	9.18E-01	9.99E-01
3570	478863.09	3850377.25	2.667	3.57E+00	3.75E+00	4.08E+00
3571	479363.09	3850377.25	0.92112	1.23E+00	1.30E+00	1.41E+00
3572	479863.09	3850377.25	0.55039	7.37E-01	7.74E-01	8.43E-01
3573	480363.09	3850377.25	0.38336	5.13E-01	5.39E-01	5.87E-01
3574	480863.09	3850377.25	0.30612	4.10E-01	4.31E-01	4.69E-01
3575	481363.09	3850377.25	0.19257	2.58E-01	2.71E-01	2.95E-01
3576	481863.09	3850377.25	0.1625	2.17E-01	2.29E-01	2.49E-01
3577	482363.09	3850377.25	0.13723	1.84E-01	1.93E-01	2.10E-01
3578	482863.09	3850377.25	0.09848	1.32E-01	1.39E-01	1.51E-01
3579	483363.09	3850377.25	0.0778	1.04E-01	1.09E-01	1.19E-01
3580	483863.09	3850377.25	0.07808	1.05E-01	1.10E-01	1.20E-01
3581	484363.09	3850377.25	0.08354	1.12E-01	1.18E-01	1.28E-01
3582	484863.09	3850377.25	0.08738	1.17E-01	1.23E-01	1.34E-01
3583	485363.09	3850377.25	0.08093	1.08E-01	1.14E-01	1.24E-01
3584	485863.09	3850377.25	0.07118	9.53E-02	1.00E-01	1.09E-01
3585	486363.09	3850377.25	0.06619	8.86E-02	9.31E-02	1.01E-01
3586	486863.09	3850377.25	0.06175	8.26E-02	8.69E-02	9.46E-02
3587	487363.09	3850377.25	0.05592	7.48E-02	7.87E-02	8.56E-02

3588	487863.09	3850377.25	0.05217	6.98E-02	7.34E-02	7.99E-02
3589	488363.09	3850377.25	0.04821	6.45E-02	6.78E-02	7.38E-02
3590	488863.09	3850377.25	0.04477	5.99E-02	6.30E-02	6.86E-02
3591	489363.09	3850377.25	0.04128	5.53E-02	5.81E-02	6.32E-02
3592	489863.09	3850377.25	0.0372	4.98E-02	5.23E-02	5.70E-02
3593	490363.09	3850377.25	0.03367	4.51E-02	4.74E-02	5.16E-02
3594	490863.09	3850377.25	0.03073	4.11E-02	4.32E-02	4.71E-02
3595	491363.09	3850377.25	0.02785	3.73E-02	3.92E-02	4.26E-02
3596	491863.09	3850377.25	0.0242	3.24E-02	3.41E-02	3.71E-02
3597	492363.09	3850377.25	0.02063	2.76E-02	2.90E-02	3.16E-02
3598	492863.09	3850377.25	0.01826	2.44E-02	2.57E-02	2.80E-02
3599	493363.09	3850377.25	0.01561	2.09E-02	2.20E-02	2.39E-02
3600	493863.09	3850377.25	0.01615	2.16E-02	2.27E-02	2.47E-02
3601	494363.09	3850377.25	0.01629	2.18E-02	2.29E-02	2.49E-02
3602	494863.09	3850377.25	0.0173	2.32E-02	2.43E-02	2.65E-02
3603	495363.09	3850377.25	0.01856	2.48E-02	2.61E-02	2.84E-02
3604	495863.09	3850377.25	0.01667	2.23E-02	2.35E-02	2.55E-02
3605	496363.09	3850377.25	0.0178	2.38E-02	2.50E-02	2.73E-02
3606	496863.09	3850377.25	0.01859	2.49E-02	2.62E-02	2.85E-02
3607	497363.09	3850377.25	0.01838	2.46E-02	2.59E-02	2.81E-02
3608	497863.09	3850377.25	0.01747	2.34E-02	2.46E-02	2.67E-02
3609	498363.09	3850377.25	0.01658	2.22E-02	2.33E-02	2.54E-02
3610	471363.09	3850877.25	0.01639	2.19E-02	2.31E-02	2.51E-02
3611	471863.09	3850877.25	0.02179	2.92E-02	3.07E-02	3.34E-02
3612	472363.09	3850877.25	0.03008	4.03E-02	4.23E-02	4.61E-02
3613	472863.09	3850877.25	0.03817	5.11E-02	5.37E-02	5.84E-02
3614	473363.09	3850877.25	0.04101	5.49E-02	5.77E-02	6.28E-02
3615	473863.09	3850877.25	0.05104	6.83E-02	7.18E-02	7.82E-02
3616	474363.09	3850877.25	0.05977	8.00E-02	8.41E-02	9.15E-02
3617	474863.09	3850877.25	0.06787	9.08E-02	9.55E-02	1.04E-01
3618	475363.09	3850877.25	0.07705	1.03E-01	1.08E-01	1.18E-01
3619	475863.09	3850877.25	0.08777	1.17E-01	1.23E-01	1.34E-01
3620	476363.09	3850877.25	0.10178	1.36E-01	1.43E-01	1.56E-01
3621	476863.09	3850877.25	0.11993	1.61E-01	1.69E-01	1.84E-01
3622	477363.09	3850877.25	0.14305	1.91E-01	2.01E-01	2.19E-01
3623	477863.09	3850877.25	0.17332	2.32E-01	2.44E-01	2.65E-01
3624	478363.09	3850877.25	0.22486	3.01E-01	3.16E-01	3.44E-01
3625	478863.09	3850877.25	0.31675	4.24E-01	4.46E-01	4.85E-01
3626	479363.09	3850877.25	0.57571	7.71E-01	8.10E-01	8.82E-01
3627	479863.09	3850877.25	3.32087	4.44E+00	4.67E+00	5.08E+00
3628	480363.09	3850877.25	0.95768	1.28E+00	1.35E+00	1.47E+00
3629	480863.09	3850877.25	0.56491	7.56E-01	7.95E-01	8.65E-01
3630	481363.09	3850877.25	0.3886	5.20E-01	5.47E-01	5.95E-01
3631	481863.09	3850877.25	0.27392	3.67E-01	3.85E-01	4.19E-01
3632	482363.09	3850877.25	0.19087	2.55E-01	2.69E-01	2.92E-01
3633	482863.09	3850877.25	0.14874	1.99E-01	2.09E-01	2.28E-01
3634	483363.09	3850877.25	0.11462	1.53E-01	1.61E-01	1.76E-01
3635	483863.09	3850877.25	0.10365	1.39E-01	1.46E-01	1.59E-01
3636	484363.09	3850877.25	0.10601	1.42E-01	1.49E-01	1.62E-01
3637	484863.09	3850877.25	0.09845	1.32E-01	1.39E-01	1.51E-01
3638	485363.09	3850877.25	0.09313	1.25E-01	1.31E-01	1.43E-01
3639	485863.09	3850877.25	0.08005	1.07E-01	1.13E-01	1.23E-01
3640	486363.09	3850877.25	0.07642	1.02E-01	1.08E-01	1.17E-01
3641	486863.09	3850877.25	0.07017	9.39E-02	9.87E-02	1.07E-01
3642	487363.09	3850877.25	0.06286	8.41E-02	8.84E-02	9.63E-02
3643	487863.09	3850877.25	0.05782	7.74E-02	8.14E-02	8.85E-02
3644	488363.09	3850877.25	0.0534	7.15E-02	7.51E-02	8.18E-02
3645	488863.09	3850877.25	0.04886	6.54E-02	6.87E-02	7.48E-02
3646	489363.09	3850877.25	0.04488	6.01E-02	6.31E-02	6.87E-02
3647	489863.09	3850877.25	0.0407	5.45E-02	5.73E-02	6.23E-02
3648	490363.09	3850877.25	0.0373	4.99E-02	5.25E-02	5.71E-02
3649	490863.09	3850877.25	0.03395	4.54E-02	4.78E-02	5.20E-02
3650	491363.09	3850877.25	0.03019	4.04E-02	4.25E-02	4.62E-02

3651	491863.09	3850877.25	0.02652	3.55E-02	3.73E-02	4.06E-02
3652	492363.09	3850877.25	0.02334	3.12E-02	3.28E-02	3.57E-02
3653	492863.09	3850877.25	0.02093	2.80E-02	2.94E-02	3.20E-02
3654	493363.09	3850877.25	0.01942	2.60E-02	2.73E-02	2.97E-02
3655	493863.09	3850877.25	0.0199	2.66E-02	2.80E-02	3.05E-02
3656	494363.09	3850877.25	0.01934	2.59E-02	2.72E-02	2.96E-02
3657	494863.09	3850877.25	0.01997	2.67E-02	2.81E-02	3.06E-02
3658	495363.09	3850877.25	0.02063	2.76E-02	2.90E-02	3.16E-02
3659	495863.09	3850877.25	0.01978	2.65E-02	2.78E-02	3.03E-02
3660	496363.09	3850877.25	0.0196	2.62E-02	2.76E-02	3.00E-02
3661	496863.09	3850877.25	0.01996	2.67E-02	2.81E-02	3.06E-02
3662	497363.09	3850877.25	0.01911	2.56E-02	2.69E-02	2.93E-02
3663	497863.09	3850877.25	0.01799	2.41E-02	2.53E-02	2.75E-02
3664	498363.09	3850877.25	0.01691	2.26E-02	2.38E-02	2.59E-02
3665	471363.09	3851377.25	0.01604	2.15E-02	2.26E-02	2.46E-02
3666	471863.09	3851377.25	0.02341	3.13E-02	3.29E-02	3.58E-02
3667	472363.09	3851377.25	0.02595	3.47E-02	3.65E-02	3.97E-02
3668	472863.09	3851377.25	0.02891	3.87E-02	4.07E-02	4.43E-02
3669	473363.09	3851377.25	0.02737	3.66E-02	3.85E-02	4.19E-02
3670	473863.09	3851377.25	0.03259	4.36E-02	4.59E-02	4.99E-02
3671	474363.09	3851377.25	0.04502	6.03E-02	6.33E-02	6.89E-02
3672	474863.09	3851377.25	0.05477	7.33E-02	7.71E-02	8.39E-02
3673	475363.09	3851377.25	0.06233	8.34E-02	8.77E-02	9.54E-02
3674	475863.09	3851377.25	0.06983	9.35E-02	9.83E-02	1.07E-01
3675	476363.09	3851377.25	0.07896	1.06E-01	1.11E-01	1.21E-01
3676	476863.09	3851377.25	0.09031	1.21E-01	1.27E-01	1.38E-01
3677	477363.09	3851377.25	0.10337	1.38E-01	1.45E-01	1.58E-01
3678	477863.09	3851377.25	0.12028	1.61E-01	1.69E-01	1.84E-01
3679	478363.09	3851377.25	0.14276	1.91E-01	2.01E-01	2.19E-01
3680	478863.09	3851377.25	0.17347	2.32E-01	2.44E-01	2.66E-01
3681	479363.09	3851377.25	0.2232	2.99E-01	3.14E-01	3.42E-01
3682	479863.09	3851377.25	0.31186	4.17E-01	4.39E-01	4.78E-01
3683	480363.09	3851377.25	0.55921	7.48E-01	7.87E-01	8.56E-01
3684	480863.09	3851377.25	2.7627	3.70E+00	3.89E+00	4.23E+00
3685	481363.09	3851377.25	0.89947	1.20E+00	1.27E+00	1.38E+00
3686	481863.09	3851377.25	0.46094	6.17E-01	6.49E-01	7.06E-01
3687	482363.09	3851377.25	0.30462	4.08E-01	4.29E-01	4.66E-01
3688	482863.09	3851377.25	0.20345	2.72E-01	2.86E-01	3.12E-01
3689	483363.09	3851377.25	0.14705	1.97E-01	2.07E-01	2.25E-01
3690	483863.09	3851377.25	0.12265	1.64E-01	1.73E-01	1.88E-01
3691	484363.09	3851377.25	0.12857	1.72E-01	1.81E-01	1.97E-01
3692	484863.09	3851377.25	0.09969	1.33E-01	1.40E-01	1.53E-01
3693	485363.09	3851377.25	0.10572	1.41E-01	1.49E-01	1.62E-01
3694	485863.09	3851377.25	0.08914	1.19E-01	1.25E-01	1.36E-01
3695	486363.09	3851377.25	0.08566	1.15E-01	1.21E-01	1.31E-01
3696	486863.09	3851377.25	0.07677	1.03E-01	1.08E-01	1.18E-01
3697	487363.09	3851377.25	0.06473	8.66E-02	9.11E-02	9.91E-02
3698	487863.09	3851377.25	0.06226	8.33E-02	8.76E-02	9.53E-02
3699	488363.09	3851377.25	0.05761	7.71E-02	8.11E-02	8.82E-02
3700	488863.09	3851377.25	0.05247	7.02E-02	7.38E-02	8.03E-02
3701	489363.09	3851377.25	0.04784	6.40E-02	6.73E-02	7.33E-02
3702	489863.09	3851377.25	0.04337	5.80E-02	6.10E-02	6.64E-02
3703	490363.09	3851377.25	0.03952	5.29E-02	5.56E-02	6.05E-02
3704	490863.09	3851377.25	0.03576	4.79E-02	5.03E-02	5.48E-02
3705	491363.09	3851377.25	0.03171	4.24E-02	4.46E-02	4.86E-02
3706	491863.09	3851377.25	0.02834	3.79E-02	3.99E-02	4.34E-02
3707	492363.09	3851377.25	0.02578	3.45E-02	3.63E-02	3.95E-02
3708	492863.09	3851377.25	0.02309	3.09E-02	3.25E-02	3.54E-02
3709	493363.09	3851377.25	0.01892	2.53E-02	2.66E-02	2.90E-02
3710	493863.09	3851377.25	0.01935	2.59E-02	2.72E-02	2.96E-02
3711	494363.09	3851377.25	0.02157	2.89E-02	3.04E-02	3.30E-02
3712	494863.09	3851377.25	0.02096	2.81E-02	2.95E-02	3.21E-02
3713	495363.09	3851377.25	0.02253	3.02E-02	3.17E-02	3.45E-02

3714	495863.09	3851377.25	0.02222	2.97E-02	3.13E-02	3.40E-02
3715	496363.09	3851377.25	0.0215	2.88E-02	3.03E-02	3.29E-02
3716	496863.09	3851377.25	0.02056	2.75E-02	2.89E-02	3.15E-02
3717	497363.09	3851377.25	0.0196	2.62E-02	2.76E-02	3.00E-02
3718	497863.09	3851377.25	0.01849	2.47E-02	2.60E-02	2.83E-02
3719	498363.09	3851377.25	0.0169	2.26E-02	2.38E-02	2.59E-02
3720	471363.09	3851877.25	0.01626	2.18E-02	2.29E-02	2.49E-02
3721	471863.09	3851877.25	0.01635	2.19E-02	2.30E-02	2.50E-02
3722	472363.09	3851877.25	0.02061	2.76E-02	2.90E-02	3.16E-02
3723	472863.09	3851877.25	0.02493	3.34E-02	3.51E-02	3.82E-02
3724	473363.09	3851877.25	0.02398	3.21E-02	3.37E-02	3.67E-02
3725	473863.09	3851877.25	0.02603	3.48E-02	3.66E-02	3.99E-02
3726	474363.09	3851877.25	0.0341	4.56E-02	4.80E-02	5.22E-02
3727	474863.09	3851877.25	0.04271	5.72E-02	6.01E-02	6.54E-02
3728	475363.09	3851877.25	0.04944	6.62E-02	6.96E-02	7.57E-02
3729	475863.09	3851877.25	0.05542	7.42E-02	7.80E-02	8.49E-02
3730	476363.09	3851877.25	0.05839	7.82E-02	8.22E-02	8.94E-02
3731	476863.09	3851877.25	0.0677	9.06E-02	9.53E-02	1.04E-01
3732	477363.09	3851877.25	0.07801	1.04E-01	1.10E-01	1.19E-01
3733	477863.09	3851877.25	0.08891	1.19E-01	1.25E-01	1.36E-01
3734	478363.09	3851877.25	0.09972	1.33E-01	1.40E-01	1.53E-01
3735	478863.09	3851877.25	0.11921	1.60E-01	1.68E-01	1.83E-01
3736	479363.09	3851877.25	0.1433	1.92E-01	2.02E-01	2.19E-01
3737	479863.09	3851877.25	0.17328	2.32E-01	2.44E-01	2.65E-01
3738	480363.09	3851877.25	0.22567	3.02E-01	3.18E-01	3.46E-01
3739	480863.09	3851877.25	0.3284	4.40E-01	4.62E-01	5.03E-01
3740	481363.09	3851877.25	0.79611	1.07E+00	1.12E+00	1.22E+00
3741	481863.09	3851877.25	0.88057	1.18E+00	1.24E+00	1.35E+00
3742	482363.09	3851877.25	0.34616	4.63E-01	4.87E-01	5.30E-01
3743	482863.09	3851877.25	0.21029	2.81E-01	2.96E-01	3.22E-01
3744	483363.09	3851877.25	0.18499	2.48E-01	2.60E-01	2.83E-01
3745	483863.09	3851877.25	0.15435	2.07E-01	2.17E-01	2.36E-01
3746	484363.09	3851877.25	0.14622	1.96E-01	2.06E-01	2.24E-01
3747	484863.09	3851877.25	0.12468	1.67E-01	1.75E-01	1.91E-01
3748	485363.09	3851877.25	0.11423	1.53E-01	1.61E-01	1.75E-01
3749	485863.09	3851877.25	0.10398	1.39E-01	1.46E-01	1.59E-01
3750	486363.09	3851877.25	0.08901	1.19E-01	1.25E-01	1.36E-01
3751	486863.09	3851877.25	0.08024	1.07E-01	1.13E-01	1.23E-01
3752	487363.09	3851877.25	0.07221	9.66E-02	1.02E-01	1.11E-01
3753	487863.09	3851877.25	0.06093	8.16E-02	8.57E-02	9.33E-02
3754	488363.09	3851877.25	0.05565	7.45E-02	7.83E-02	8.52E-02
3755	488863.09	3851877.25	0.04889	6.54E-02	6.88E-02	7.49E-02
3756	489363.09	3851877.25	0.0433	5.80E-02	6.09E-02	6.63E-02
3757	489863.09	3851877.25	0.03915	5.24E-02	5.51E-02	5.99E-02
3758	490363.09	3851877.25	0.03635	4.87E-02	5.11E-02	5.57E-02
3759	490863.09	3851877.25	0.03413	4.57E-02	4.80E-02	5.23E-02
3760	491363.09	3851877.25	0.03237	4.33E-02	4.55E-02	4.96E-02
3761	491863.09	3851877.25	0.0304	4.07E-02	4.28E-02	4.65E-02
3762	492363.09	3851877.25	0.02737	3.66E-02	3.85E-02	4.19E-02
3763	492863.09	3851877.25	0.02184	2.92E-02	3.07E-02	3.34E-02
3764	493363.09	3851877.25	0.02427	3.25E-02	3.41E-02	3.72E-02
3765	493863.09	3851877.25	0.02632	3.52E-02	3.70E-02	4.03E-02
3766	494363.09	3851877.25	0.02406	3.22E-02	3.39E-02	3.68E-02
3767	494863.09	3851877.25	0.02463	3.30E-02	3.47E-02	3.77E-02
3768	495363.09	3851877.25	0.02432	3.26E-02	3.42E-02	3.72E-02
3769	495863.09	3851877.25	0.02369	3.17E-02	3.33E-02	3.63E-02
3770	496363.09	3851877.25	0.02238	3.00E-02	3.15E-02	3.43E-02
3771	496863.09	3851877.25	0.02106	2.82E-02	2.96E-02	3.22E-02
3772	497363.09	3851877.25	0.01975	2.64E-02	2.78E-02	3.02E-02
3773	497863.09	3851877.25	0.01793	2.40E-02	2.52E-02	2.75E-02
3774	498363.09	3851877.25	0.01632	2.18E-02	2.30E-02	2.50E-02
3775	471363.09	3852377.25	0.01255	1.68E-02	1.77E-02	1.92E-02
3776	471863.09	3852377.25	0.01564	2.09E-02	2.20E-02	2.39E-02

3777	472363.09	3852377.25	0.01803	2.41E-02	2.54E-02	2.76E-02
3778	472863.09	3852377.25	0.02052	2.75E-02	2.89E-02	3.14E-02
3779	473363.09	3852377.25	0.02239	3.00E-02	3.15E-02	3.43E-02
3780	473863.09	3852377.25	0.02367	3.17E-02	3.33E-02	3.62E-02
3781	474363.09	3852377.25	0.02518	3.37E-02	3.54E-02	3.86E-02
3782	474863.09	3852377.25	0.03541	4.74E-02	4.98E-02	5.42E-02
3783	475363.09	3852377.25	0.03814	5.10E-02	5.37E-02	5.84E-02
3784	475863.09	3852377.25	0.04057	5.43E-02	5.71E-02	6.21E-02
3785	476363.09	3852377.25	0.04151	5.56E-02	5.84E-02	6.36E-02
3786	476863.09	3852377.25	0.04651	6.23E-02	6.54E-02	7.12E-02
3787	477363.09	3852377.25	0.0496	6.64E-02	6.98E-02	7.59E-02
3788	477863.09	3852377.25	0.04207	5.63E-02	5.92E-02	6.44E-02
3789	478363.09	3852377.25	0.03801	5.09E-02	5.35E-02	5.82E-02
3790	478863.09	3852377.25	0.05699	7.63E-02	8.02E-02	8.73E-02
3791	479363.09	3852377.25	0.0734	9.82E-02	1.03E-01	1.12E-01
3792	479863.09	3852377.25	0.11212	1.50E-01	1.58E-01	1.72E-01
3793	480363.09	3852377.25	0.14543	1.95E-01	2.05E-01	2.23E-01
3794	480863.09	3852377.25	0.1878	2.51E-01	2.64E-01	2.88E-01
3795	481363.09	3852377.25	0.2828	3.79E-01	3.98E-01	4.33E-01
3796	481863.09	3852377.25	0.79826	1.07E+00	1.12E+00	1.22E+00
3797	482363.09	3852377.25	0.79275	1.06E+00	1.12E+00	1.21E+00
3798	482863.09	3852377.25	0.37477	5.02E-01	5.27E-01	5.74E-01
3799	483363.09	3852377.25	0.21989	2.94E-01	3.09E-01	3.37E-01
3800	483863.09	3852377.25	0.16629	2.23E-01	2.34E-01	2.55E-01
3801	484363.09	3852377.25	0.15748	2.11E-01	2.22E-01	2.41E-01
3802	484863.09	3852377.25	0.14295	1.91E-01	2.01E-01	2.19E-01
3803	485363.09	3852377.25	0.12859	1.72E-01	1.81E-01	1.97E-01
3804	485863.09	3852377.25	0.10831	1.45E-01	1.52E-01	1.66E-01
3805	486363.09	3852377.25	0.08872	1.19E-01	1.25E-01	1.36E-01
3806	486863.09	3852377.25	0.07752	1.04E-01	1.09E-01	1.19E-01
3807	487363.09	3852377.25	0.06663	8.92E-02	9.38E-02	1.02E-01
3808	487863.09	3852377.25	0.05745	7.69E-02	8.08E-02	8.80E-02
3809	488363.09	3852377.25	0.04964	6.64E-02	6.98E-02	7.60E-02
3810	488863.09	3852377.25	0.0425	5.69E-02	5.98E-02	6.51E-02
3811	489363.09	3852377.25	0.03733	5.00E-02	5.25E-02	5.72E-02
3812	489863.09	3852377.25	0.03173	4.25E-02	4.46E-02	4.86E-02
3813	490363.09	3852377.25	0.03196	4.28E-02	4.50E-02	4.89E-02
3814	490863.09	3852377.25	0.03149	4.21E-02	4.43E-02	4.82E-02
3815	491363.09	3852377.25	0.03348	4.48E-02	4.71E-02	5.13E-02
3816	491863.09	3852377.25	0.0318	4.26E-02	4.47E-02	4.87E-02
3817	492363.09	3852377.25	0.03003	4.02E-02	4.23E-02	4.60E-02
3818	492863.09	3852377.25	0.02953	3.95E-02	4.16E-02	4.52E-02
3819	493363.09	3852377.25	0.02997	4.01E-02	4.22E-02	4.59E-02
3820	493863.09	3852377.25	0.0281	3.76E-02	3.95E-02	4.30E-02
3821	494363.09	3852377.25	0.02642	3.54E-02	3.72E-02	4.05E-02
3822	494863.09	3852377.25	0.0261	3.49E-02	3.67E-02	4.00E-02
3823	495363.09	3852377.25	0.02579	3.45E-02	3.63E-02	3.95E-02
3824	495863.09	3852377.25	0.02406	3.22E-02	3.39E-02	3.68E-02
3825	496363.09	3852377.25	0.02239	3.00E-02	3.15E-02	3.43E-02
3826	496863.09	3852377.25	0.02111	2.83E-02	2.97E-02	3.23E-02
3827	497363.09	3852377.25	0.01894	2.53E-02	2.66E-02	2.90E-02
3828	497863.09	3852377.25	0.01679	2.25E-02	2.36E-02	2.57E-02
3829	498363.09	3852377.25	0.01485	1.99E-02	2.09E-02	2.27E-02
3830	471363.09	3852877.25	0.01265	1.69E-02	1.78E-02	1.94E-02
3831	471863.09	3852877.25	0.0147	1.97E-02	2.07E-02	2.25E-02
3832	472363.09	3852877.25	0.01677	2.24E-02	2.36E-02	2.57E-02
3833	472863.09	3852877.25	0.01881	2.52E-02	2.65E-02	2.88E-02
3834	473363.09	3852877.25	0.02095	2.80E-02	2.95E-02	3.21E-02
3835	473863.09	3852877.25	0.0237	3.17E-02	3.33E-02	3.63E-02
3836	474363.09	3852877.25	0.02657	3.56E-02	3.74E-02	4.07E-02
3837	474863.09	3852877.25	0.02497	3.34E-02	3.51E-02	3.82E-02
3838	475363.09	3852877.25	0.02896	3.88E-02	4.07E-02	4.43E-02
3839	475863.09	3852877.25	0.03093	4.14E-02	4.35E-02	4.74E-02

3840	476363.09	3852877.25	0.02907	3.89E-02	4.09E-02	4.45E-02
3841	476863.09	3852877.25	0.02438	3.26E-02	3.43E-02	3.73E-02
3842	477363.09	3852877.25	0.02147	2.87E-02	3.02E-02	3.29E-02
3843	477863.09	3852877.25	0.01814	2.43E-02	2.55E-02	2.78E-02
3844	478363.09	3852877.25	0.0129	1.73E-02	1.82E-02	1.98E-02
3845	478863.09	3852877.25	0.01762	2.36E-02	2.48E-02	2.70E-02
3846	479363.09	3852877.25	0.02941	3.94E-02	4.14E-02	4.50E-02
3847	479863.09	3852877.25	0.06168	8.26E-02	8.68E-02	9.44E-02
3848	480363.09	3852877.25	0.10212	1.37E-01	1.44E-01	1.56E-01
3849	480863.09	3852877.25	0.12759	1.71E-01	1.80E-01	1.95E-01
3850	481363.09	3852877.25	0.16881	2.26E-01	2.38E-01	2.58E-01
3851	481863.09	3852877.25	0.26568	3.56E-01	3.74E-01	4.07E-01
3852	482363.09	3852877.25	0.88019	1.18E+00	1.24E+00	1.35E+00
3853	482863.09	3852877.25	0.73527	9.84E-01	1.03E+00	1.13E+00
3854	483363.09	3852877.25	0.33314	4.46E-01	4.69E-01	5.10E-01
3855	483863.09	3852877.25	0.1912	2.56E-01	2.69E-01	2.93E-01
3856	484363.09	3852877.25	0.1724	2.31E-01	2.43E-01	2.64E-01
3857	484863.09	3852877.25	0.14879	1.99E-01	2.09E-01	2.28E-01
3858	485363.09	3852877.25	0.10708	1.43E-01	1.51E-01	1.64E-01
3859	485863.09	3852877.25	0.08867	1.19E-01	1.25E-01	1.36E-01
3860	486363.09	3852877.25	0.07354	9.84E-02	1.03E-01	1.13E-01
3861	486863.09	3852877.25	0.06487	8.68E-02	9.13E-02	9.93E-02
3862	487363.09	3852877.25	0.05553	7.43E-02	7.81E-02	8.50E-02
3863	487863.09	3852877.25	0.04865	6.51E-02	6.85E-02	7.45E-02
3864	488363.09	3852877.25	0.03431	4.59E-02	4.83E-02	5.25E-02
3865	488863.09	3852877.25	0.0341	4.56E-02	4.80E-02	5.22E-02
3866	489363.09	3852877.25	0.03221	4.31E-02	4.53E-02	4.93E-02
3867	489863.09	3852877.25	0.0304	4.07E-02	4.28E-02	4.65E-02
3868	490363.09	3852877.25	0.03485	4.66E-02	4.90E-02	5.34E-02
3869	490863.09	3852877.25	0.03484	4.66E-02	4.90E-02	5.33E-02
3870	491363.09	3852877.25	0.03443	4.61E-02	4.84E-02	5.27E-02
3871	491863.09	3852877.25	0.0329	4.40E-02	4.63E-02	5.04E-02
3872	492363.09	3852877.25	0.03176	4.25E-02	4.47E-02	4.86E-02
3873	492863.09	3852877.25	0.03165	4.24E-02	4.45E-02	4.85E-02
3874	493363.09	3852877.25	0.03091	4.14E-02	4.35E-02	4.73E-02
3875	493863.09	3852877.25	0.02921	3.91E-02	4.11E-02	4.47E-02
3876	494363.09	3852877.25	0.02781	3.72E-02	3.91E-02	4.26E-02
3877	494863.09	3852877.25	0.02685	3.59E-02	3.78E-02	4.11E-02
3878	495363.09	3852877.25	0.02495	3.34E-02	3.51E-02	3.82E-02
3879	495863.09	3852877.25	0.02318	3.10E-02	3.26E-02	3.55E-02
3880	496363.09	3852877.25	0.02215	2.96E-02	3.12E-02	3.39E-02
3881	496863.09	3852877.25	0.0208	2.78E-02	2.93E-02	3.18E-02
3882	497363.09	3852877.25	0.01799	2.41E-02	2.53E-02	2.75E-02
3883	497863.09	3852877.25	0.01364	1.83E-02	1.92E-02	2.09E-02
3884	498363.09	3852877.25	0.01261	1.69E-02	1.77E-02	1.93E-02
3885	471363.09	3853377.25	0.01263	1.69E-02	1.78E-02	1.93E-02
3886	471863.09	3853377.25	0.01416	1.90E-02	1.99E-02	2.17E-02
3887	472363.09	3853377.25	0.01569	2.10E-02	2.21E-02	2.40E-02
3888	472863.09	3853377.25	0.01739	2.33E-02	2.45E-02	2.66E-02
3889	473363.09	3853377.25	0.0186	2.49E-02	2.62E-02	2.85E-02
3890	473863.09	3853377.25	0.02002	2.68E-02	2.82E-02	3.07E-02
3891	474363.09	3853377.25	0.02119	2.84E-02	2.98E-02	3.24E-02
3892	474863.09	3853377.25	0.02066	2.77E-02	2.91E-02	3.16E-02
3893	475363.09	3853377.25	0.02077	2.78E-02	2.92E-02	3.18E-02
3894	475863.09	3853377.25	0.02079	2.78E-02	2.93E-02	3.18E-02
3895	476363.09	3853377.25	0.01852	2.48E-02	2.61E-02	2.84E-02
3896	476863.09	3853377.25	0.01423	1.90E-02	2.00E-02	2.18E-02
3897	477363.09	3853377.25	0.01371	1.83E-02	1.93E-02	2.10E-02
3898	477863.09	3853377.25	0.01422	1.90E-02	2.00E-02	2.18E-02
3899	478363.09	3853377.25	0.01119	1.50E-02	1.57E-02	1.71E-02
3900	478863.09	3853377.25	0.00744	9.96E-03	1.05E-02	1.14E-02
3901	479363.09	3853377.25	0.01664	2.23E-02	2.34E-02	2.55E-02
3902	479863.09	3853377.25	0.03011	4.03E-02	4.24E-02	4.61E-02

3903	480363.09	3853377.25	0.05865	7.85E-02	8.25E-02	8.98E-02
3904	480863.09	3853377.25	0.05889	7.88E-02	8.29E-02	9.02E-02
3905	481363.09	3853377.25	0.09729	1.30E-01	1.37E-01	1.49E-01
3906	481863.09	3853377.25	0.1478	1.98E-01	2.08E-01	2.26E-01
3907	482363.09	3853377.25	0.24312	3.25E-01	3.42E-01	3.72E-01
3908	482863.09	3853377.25	1.71856	2.30E+00	2.42E+00	2.63E+00
3909	483363.09	3853377.25	0.32973	4.41E-01	4.64E-01	5.05E-01
3910	483863.09	3853377.25	0.19458	2.60E-01	2.74E-01	2.98E-01
3911	484363.09	3853377.25	0.15562	2.08E-01	2.19E-01	2.38E-01
3912	484863.09	3853377.25	0.11386	1.52E-01	1.60E-01	1.74E-01
3913	485363.09	3853377.25	0.07896	1.06E-01	1.11E-01	1.21E-01
3914	485863.09	3853377.25	0.05854	7.84E-02	8.24E-02	8.96E-02
3915	486363.09	3853377.25	0.05505	7.37E-02	7.75E-02	8.43E-02
3916	486863.09	3853377.25	0.05082	6.80E-02	7.15E-02	7.78E-02
3917	487363.09	3853377.25	0.04905	6.56E-02	6.90E-02	7.51E-02
3918	487863.09	3853377.25	0.04654	6.23E-02	6.55E-02	7.13E-02
3919	488363.09	3853377.25	0.04501	6.02E-02	6.33E-02	6.89E-02
3920	488863.09	3853377.25	0.04223	5.65E-02	5.94E-02	6.47E-02
3921	489363.09	3853377.25	0.03957	5.30E-02	5.57E-02	6.06E-02
3922	489863.09	3853377.25	0.03643	4.88E-02	5.13E-02	5.58E-02
3923	490363.09	3853377.25	0.03587	4.80E-02	5.05E-02	5.49E-02
3924	490863.09	3853377.25	0.03494	4.68E-02	4.92E-02	5.35E-02
3925	491363.09	3853377.25	0.03395	4.54E-02	4.78E-02	5.20E-02
3926	491863.09	3853377.25	0.03284	4.40E-02	4.62E-02	5.03E-02
3927	492363.09	3853377.25	0.03241	4.34E-02	4.56E-02	4.96E-02
3928	492863.09	3853377.25	0.03192	4.27E-02	4.49E-02	4.89E-02
3929	493363.09	3853377.25	0.03071	4.11E-02	4.32E-02	4.70E-02
3930	493863.09	3853377.25	0.02943	3.94E-02	4.14E-02	4.51E-02
3931	494363.09	3853377.25	0.02769	3.71E-02	3.90E-02	4.24E-02
3932	494863.09	3853377.25	0.02583	3.46E-02	3.63E-02	3.96E-02
3933	495363.09	3853377.25	0.02458	3.29E-02	3.46E-02	3.76E-02
3934	495863.09	3853377.25	0.02305	3.09E-02	3.24E-02	3.53E-02
3935	496363.09	3853377.25	0.02125	2.84E-02	2.99E-02	3.25E-02
3936	496863.09	3853377.25	0.01887	2.53E-02	2.66E-02	2.89E-02
3937	497363.09	3853377.25	0.01591	2.13E-02	2.24E-02	2.44E-02
3938	497863.09	3853377.25	0.01061	1.42E-02	1.49E-02	1.62E-02
3939	498363.09	3853377.25	0.00822	1.10E-02	1.16E-02	1.26E-02
3940	471363.09	3853877.25	0.01229	1.64E-02	1.73E-02	1.88E-02
3941	471863.09	3853877.25	0.01378	1.84E-02	1.94E-02	2.11E-02
3942	472363.09	3853877.25	0.01478	1.98E-02	2.08E-02	2.26E-02
3943	472863.09	3853877.25	0.01612	2.16E-02	2.27E-02	2.47E-02
3944	473363.09	3853877.25	0.01687	2.26E-02	2.37E-02	2.58E-02
3945	473863.09	3853877.25	0.01767	2.36E-02	2.49E-02	2.71E-02
3946	474363.09	3853877.25	0.01864	2.49E-02	2.62E-02	2.85E-02
3947	474863.09	3853877.25	0.01921	2.57E-02	2.70E-02	2.94E-02
3948	475363.09	3853877.25	0.01803	2.41E-02	2.54E-02	2.76E-02
3949	475863.09	3853877.25	0.01444	1.93E-02	2.03E-02	2.21E-02
3950	476363.09	3853877.25	0.01093	1.46E-02	1.54E-02	1.67E-02
3951	476863.09	3853877.25	0.00718	9.61E-03	1.01E-02	1.10E-02
3952	477363.09	3853877.25	0.00799	1.07E-02	1.12E-02	1.22E-02
3953	477863.09	3853877.25	0.00985	1.32E-02	1.39E-02	1.51E-02
3954	478363.09	3853877.25	0.01041	1.39E-02	1.46E-02	1.59E-02
3955	478863.09	3853877.25	0.00592	7.92E-03	8.33E-03	9.06E-03
3956	479363.09	3853877.25	0.00963	1.29E-02	1.35E-02	1.47E-02
3957	479863.09	3853877.25	0.02214	2.96E-02	3.12E-02	3.39E-02
3958	480363.09	3853877.25	0.03362	4.50E-02	4.73E-02	5.15E-02
3959	480863.09	3853877.25	0.05525	7.39E-02	7.77E-02	8.46E-02
3960	481363.09	3853877.25	0.07158	9.58E-02	1.01E-01	1.10E-01
3961	481863.09	3853877.25	0.09006	1.21E-01	1.27E-01	1.38E-01
3962	482363.09	3853877.25	0.10411	1.39E-01	1.46E-01	1.59E-01
3963	482863.09	3853877.25	0.10926	1.46E-01	1.54E-01	1.67E-01
3964	483363.09	3853877.25	0.10554	1.41E-01	1.49E-01	1.62E-01
3965	483863.09	3853877.25	0.10029	1.34E-01	1.41E-01	1.54E-01

3966	484363.09	3853877.25	0.08468	1.13E-01	1.19E-01	1.30E-01
3967	484863.09	3853877.25	0.06896	9.23E-02	9.70E-02	1.06E-01
3968	485363.09	3853877.25	0.05177	6.93E-02	7.28E-02	7.93E-02
3969	485863.09	3853877.25	0.05259	7.04E-02	7.40E-02	8.05E-02
3970	486363.09	3853877.25	0.04768	6.38E-02	6.71E-02	7.30E-02
3971	486863.09	3853877.25	0.04342	5.81E-02	6.11E-02	6.65E-02
3972	487363.09	3853877.25	0.04271	5.72E-02	6.01E-02	6.54E-02
3973	487863.09	3853877.25	0.0439	5.88E-02	6.18E-02	6.72E-02
3974	488363.09	3853877.25	0.04276	5.72E-02	6.02E-02	6.55E-02
3975	488863.09	3853877.25	0.04237	5.67E-02	5.96E-02	6.49E-02
3976	489363.09	3853877.25	0.0391	5.23E-02	5.50E-02	5.99E-02
3977	489863.09	3853877.25	0.03777	5.06E-02	5.31E-02	5.78E-02
3978	490363.09	3853877.25	0.03575	4.78E-02	5.03E-02	5.47E-02
3979	490863.09	3853877.25	0.0344	4.60E-02	4.84E-02	5.27E-02
3980	491363.09	3853877.25	0.03326	4.45E-02	4.68E-02	5.09E-02
3981	491863.09	3853877.25	0.03217	4.31E-02	4.53E-02	4.93E-02
3982	492363.09	3853877.25	0.03177	4.25E-02	4.47E-02	4.86E-02
3983	492863.09	3853877.25	0.03097	4.15E-02	4.36E-02	4.74E-02
3984	493363.09	3853877.25	0.02969	3.97E-02	4.18E-02	4.55E-02
3985	493863.09	3853877.25	0.02824	3.78E-02	3.97E-02	4.32E-02
3986	494363.09	3853877.25	0.02703	3.62E-02	3.80E-02	4.14E-02
3987	494863.09	3853877.25	0.02554	3.42E-02	3.59E-02	3.91E-02
3988	495363.09	3853877.25	0.02289	3.06E-02	3.22E-02	3.50E-02
3989	495863.09	3853877.25	0.02065	2.76E-02	2.91E-02	3.16E-02
3990	496363.09	3853877.25	0.0191	2.56E-02	2.69E-02	2.92E-02
3991	496863.09	3853877.25	0.0165	2.21E-02	2.32E-02	2.53E-02
3992	497363.09	3853877.25	0.01427	1.91E-02	2.01E-02	2.19E-02
3993	497863.09	3853877.25	0.01129	1.51E-02	1.59E-02	1.73E-02
3994	498363.09	3853877.25	0.0096	1.28E-02	1.35E-02	1.47E-02
3995	471363.09	3854377.25	0.01192	1.60E-02	1.68E-02	1.83E-02
3996	471863.09	3854377.25	0.01317	1.76E-02	1.85E-02	2.02E-02
3997	472363.09	3854377.25	0.01419	1.90E-02	2.00E-02	2.17E-02
3998	472863.09	3854377.25	0.01492	2.00E-02	2.10E-02	2.28E-02
3999	473363.09	3854377.25	0.01589	2.13E-02	2.24E-02	2.43E-02
4000	473863.09	3854377.25	0.01708	2.29E-02	2.40E-02	2.62E-02
4001	474363.09	3854377.25	0.01806	2.42E-02	2.54E-02	2.77E-02
4002	474863.09	3854377.25	0.01696	2.27E-02	2.39E-02	2.60E-02
4003	475363.09	3854377.25	0.01394	1.87E-02	1.96E-02	2.13E-02
4004	475863.09	3854377.25	0.00817	1.09E-02	1.15E-02	1.25E-02
4005	476363.09	3854377.25	0.00665	8.90E-03	9.36E-03	1.02E-02
4006	476863.09	3854377.25	0.0059	7.90E-03	8.30E-03	9.03E-03
4007	477363.09	3854377.25	0.00548	7.33E-03	7.71E-03	8.39E-03
4008	477863.09	3854377.25	0.00536	7.17E-03	7.54E-03	8.21E-03
4009	478363.09	3854377.25	0.00665	8.90E-03	9.36E-03	1.02E-02
4010	478863.09	3854377.25	0.00728	9.74E-03	1.02E-02	1.11E-02
4011	479363.09	3854377.25	0.0135	1.81E-02	1.90E-02	2.07E-02
4012	479863.09	3854377.25	0.01797	2.41E-02	2.53E-02	2.75E-02
4013	480363.09	3854377.25	0.02501	3.35E-02	3.52E-02	3.83E-02
4014	480863.09	3854377.25	0.03702	4.95E-02	5.21E-02	5.67E-02
4015	481363.09	3854377.25	0.04904	6.56E-02	6.90E-02	7.51E-02
4016	481863.09	3854377.25	0.06114	8.18E-02	8.60E-02	9.36E-02
4017	482363.09	3854377.25	0.06297	8.43E-02	8.86E-02	9.64E-02
4018	482863.09	3854377.25	0.06231	8.34E-02	8.77E-02	9.54E-02
4019	483363.09	3854377.25	0.06112	8.18E-02	8.60E-02	9.36E-02
4020	483863.09	3854377.25	0.05559	7.44E-02	7.82E-02	8.51E-02
4021	484363.09	3854377.25	0.0473	6.33E-02	6.66E-02	7.24E-02
4022	484863.09	3854377.25	0.03923	5.25E-02	5.52E-02	6.01E-02
4023	485363.09	3854377.25	0.04494	6.01E-02	6.32E-02	6.88E-02
4024	485863.09	3854377.25	0.04004	5.36E-02	5.63E-02	6.13E-02
4025	486363.09	3854377.25	0.04182	5.60E-02	5.88E-02	6.40E-02
4026	486863.09	3854377.25	0.03932	5.26E-02	5.53E-02	6.02E-02
4027	487363.09	3854377.25	0.0388	5.19E-02	5.46E-02	5.94E-02
4028	487863.09	3854377.25	0.03959	5.30E-02	5.57E-02	6.06E-02

4029	488363.09	3854377.25	0.03949	5.29E-02	5.56E-02	6.05E-02
4030	488863.09	3854377.25	0.03873	5.18E-02	5.45E-02	5.93E-02
4031	489363.09	3854377.25	0.03759	5.03E-02	5.29E-02	5.76E-02
4032	489863.09	3854377.25	0.03613	4.84E-02	5.08E-02	5.53E-02
4033	490363.09	3854377.25	0.03449	4.62E-02	4.85E-02	5.28E-02
4034	490863.09	3854377.25	0.03014	4.03E-02	4.24E-02	4.62E-02
4035	491363.09	3854377.25	0.03091	4.14E-02	4.35E-02	4.73E-02
4036	491863.09	3854377.25	0.031	4.15E-02	4.36E-02	4.75E-02
4037	492363.09	3854377.25	0.03037	4.06E-02	4.27E-02	4.65E-02
4038	492863.09	3854377.25	0.0293	3.92E-02	4.12E-02	4.49E-02
4039	493363.09	3854377.25	0.028	3.75E-02	3.94E-02	4.29E-02
4040	493863.09	3854377.25	0.02667	3.57E-02	3.75E-02	4.08E-02
4041	494363.09	3854377.25	0.02544	3.40E-02	3.58E-02	3.90E-02
4042	494863.09	3854377.25	0.02222	2.97E-02	3.13E-02	3.40E-02
4043	495363.09	3854377.25	0.01862	2.49E-02	2.62E-02	2.85E-02
4044	495863.09	3854377.25	0.01611	2.16E-02	2.27E-02	2.47E-02
4045	496363.09	3854377.25	0.01492	2.00E-02	2.10E-02	2.28E-02
4046	496863.09	3854377.25	0.01328	1.78E-02	1.87E-02	2.03E-02
4047	497363.09	3854377.25	0.01064	1.42E-02	1.50E-02	1.63E-02
4048	497863.09	3854377.25	0.01113	1.49E-02	1.57E-02	1.70E-02
4049	498363.09	3854377.25	0.00974	1.30E-02	1.37E-02	1.49E-02
4050	471363.09	3854877.25	0.01173	1.57E-02	1.65E-02	1.80E-02
4051	471863.09	3854877.25	0.0126	1.69E-02	1.77E-02	1.93E-02
4052	472363.09	3854877.25	0.01342	1.80E-02	1.89E-02	2.05E-02
4053	472863.09	3854877.25	0.01368	1.83E-02	1.92E-02	2.09E-02
4054	473363.09	3854877.25	0.01483	1.98E-02	2.09E-02	2.27E-02
4055	473863.09	3854877.25	0.01588	2.13E-02	2.23E-02	2.43E-02
4056	474363.09	3854877.25	0.0172	2.30E-02	2.42E-02	2.63E-02
4057	474863.09	3854877.25	0.01417	1.90E-02	1.99E-02	2.17E-02
4058	475363.09	3854877.25	0.0102	1.37E-02	1.44E-02	1.56E-02
4059	475863.09	3854877.25	0.0066	8.83E-03	9.29E-03	1.01E-02
4060	476363.09	3854877.25	0.00306	4.10E-03	4.31E-03	4.69E-03
4061	476863.09	3854877.25	0.0028	3.75E-03	3.94E-03	4.29E-03
4062	477363.09	3854877.25	0.00367	4.91E-03	5.16E-03	5.62E-03
4063	477863.09	3854877.25	0.00451	6.04E-03	6.35E-03	6.91E-03
4064	478363.09	3854877.25	0.00691	9.25E-03	9.72E-03	1.06E-02
4065	478863.09	3854877.25	0.0109	1.46E-02	1.53E-02	1.67E-02
4066	479363.09	3854877.25	0.016	2.14E-02	2.25E-02	2.45E-02
4067	479863.09	3854877.25	0.02178	2.92E-02	3.06E-02	3.33E-02
4068	480363.09	3854877.25	0.02622	3.51E-02	3.69E-02	4.01E-02
4069	480863.09	3854877.25	0.03412	4.57E-02	4.80E-02	5.22E-02
4070	481363.09	3854877.25	0.03873	5.18E-02	5.45E-02	5.93E-02
4071	481863.09	3854877.25	0.03664	4.90E-02	5.16E-02	5.61E-02
4072	482363.09	3854877.25	0.04593	6.15E-02	6.46E-02	7.03E-02
4073	482863.09	3854877.25	0.04542	6.08E-02	6.39E-02	6.95E-02
4074	483363.09	3854877.25	0.04489	6.01E-02	6.32E-02	6.87E-02
4075	483863.09	3854877.25	0.04405	5.90E-02	6.20E-02	6.74E-02
4076	484363.09	3854877.25	0.04039	5.41E-02	5.68E-02	6.18E-02
4077	484863.09	3854877.25	0.03968	5.31E-02	5.58E-02	6.08E-02
4078	485363.09	3854877.25	0.03772	5.05E-02	5.31E-02	5.78E-02
4079	485863.09	3854877.25	0.03675	4.92E-02	5.17E-02	5.63E-02
4080	486363.09	3854877.25	0.0357	4.78E-02	5.02E-02	5.47E-02
4081	486863.09	3854877.25	0.03546	4.75E-02	4.99E-02	5.43E-02
4082	487363.09	3854877.25	0.03667	4.91E-02	5.16E-02	5.61E-02
4083	487863.09	3854877.25	0.03653	4.89E-02	5.14E-02	5.59E-02
4084	488363.09	3854877.25	0.03579	4.79E-02	5.04E-02	5.48E-02
4085	488863.09	3854877.25	0.03539	4.74E-02	4.98E-02	5.42E-02
4086	489363.09	3854877.25	0.03454	4.62E-02	4.86E-02	5.29E-02
4087	489863.09	3854877.25	0.03279	4.39E-02	4.61E-02	5.02E-02
4088	490363.09	3854877.25	0.02784	3.73E-02	3.92E-02	4.26E-02
4089	490863.09	3854877.25	0.02183	2.92E-02	3.07E-02	3.34E-02
4090	491363.09	3854877.25	0.02323	3.11E-02	3.27E-02	3.56E-02
4091	491863.09	3854877.25	0.0289	3.87E-02	4.07E-02	4.43E-02

4092	492363.09	3854877.25	0.02852	3.82E-02	4.01E-02	4.37E-02
4093	492863.09	3854877.25	0.02749	3.68E-02	3.87E-02	4.21E-02
4094	493363.09	3854877.25	0.02618	3.50E-02	3.68E-02	4.01E-02
4095	493863.09	3854877.25	0.02505	3.35E-02	3.52E-02	3.84E-02
4096	494363.09	3854877.25	0.02131	2.85E-02	3.00E-02	3.26E-02
4097	494863.09	3854877.25	0.01685	2.26E-02	2.37E-02	2.58E-02
4098	495363.09	3854877.25	0.0139	1.86E-02	1.96E-02	2.13E-02
4099	495863.09	3854877.25	0.0123	1.65E-02	1.73E-02	1.88E-02
4100	496363.09	3854877.25	0.01012	1.35E-02	1.42E-02	1.55E-02
4101	496863.09	3854877.25	0.0089	1.19E-02	1.25E-02	1.36E-02
4102	497363.09	3854877.25	0.00869	1.16E-02	1.22E-02	1.33E-02
4103	497863.09	3854877.25	0.00977	1.31E-02	1.37E-02	1.50E-02
4104	498363.09	3854877.25	0.00974	1.30E-02	1.37E-02	1.49E-02
4105	471363.09	3855377.25	0.01164	1.56E-02	1.64E-02	1.78E-02
4106	471863.09	3855377.25	0.01214	1.62E-02	1.71E-02	1.86E-02
4107	472363.09	3855377.25	0.01309	1.75E-02	1.84E-02	2.00E-02
4108	472863.09	3855377.25	0.0135	1.81E-02	1.90E-02	2.07E-02
4109	473363.09	3855377.25	0.01463	1.96E-02	2.06E-02	2.24E-02
4110	473863.09	3855377.25	0.01554	2.08E-02	2.19E-02	2.38E-02
4111	474363.09	3855377.25	0.01624	2.17E-02	2.29E-02	2.49E-02
4112	474863.09	3855377.25	0.01378	1.84E-02	1.94E-02	2.11E-02
4113	475363.09	3855377.25	0.00532	7.12E-03	7.49E-03	8.15E-03
4114	475863.09	3855377.25	0.00325	4.35E-03	4.57E-03	4.98E-03
4115	476363.09	3855377.25	0.00404	5.41E-03	5.68E-03	6.19E-03
4116	476863.09	3855377.25	0.00364	4.87E-03	5.12E-03	5.57E-03
4117	477363.09	3855377.25	0.00407	5.45E-03	5.73E-03	6.23E-03
4118	477863.09	3855377.25	0.0059	7.90E-03	8.30E-03	9.03E-03
4119	478363.09	3855377.25	0.00822	1.10E-02	1.16E-02	1.26E-02
4120	478863.09	3855377.25	0.01069	1.43E-02	1.50E-02	1.64E-02
4121	479363.09	3855377.25	0.01406	1.88E-02	1.98E-02	2.15E-02
4122	479863.09	3855377.25	0.01721	2.30E-02	2.42E-02	2.64E-02
4123	480363.09	3855377.25	0.023	3.08E-02	3.24E-02	3.52E-02
4124	480863.09	3855377.25	0.02986	4.00E-02	4.20E-02	4.57E-02
4125	481363.09	3855377.25	0.03482	4.66E-02	4.90E-02	5.33E-02
4126	481863.09	3855377.25	0.03658	4.90E-02	5.15E-02	5.60E-02
4127	482363.09	3855377.25	0.03641	4.87E-02	5.12E-02	5.58E-02
4128	482863.09	3855377.25	0.03619	4.84E-02	5.09E-02	5.54E-02
4129	483363.09	3855377.25	0.0363	4.86E-02	5.11E-02	5.56E-02
4130	483863.09	3855377.25	0.03547	4.75E-02	4.99E-02	5.43E-02
4131	484363.09	3855377.25	0.03566	4.77E-02	5.02E-02	5.46E-02
4132	484863.09	3855377.25	0.03019	4.04E-02	4.25E-02	4.62E-02
4133	485363.09	3855377.25	0.03519	4.71E-02	4.95E-02	5.39E-02
4134	485863.09	3855377.25	0.03342	4.47E-02	4.70E-02	5.12E-02
4135	486363.09	3855377.25	0.0321	4.30E-02	4.52E-02	4.92E-02
4136	486863.09	3855377.25	0.03106	4.16E-02	4.37E-02	4.76E-02
4137	487363.09	3855377.25	0.03226	4.32E-02	4.54E-02	4.94E-02
4138	487863.09	3855377.25	0.03329	4.46E-02	4.68E-02	5.10E-02
4139	488363.09	3855377.25	0.03358	4.49E-02	4.72E-02	5.14E-02
4140	488863.09	3855377.25	0.03301	4.42E-02	4.64E-02	5.05E-02
4141	489363.09	3855377.25	0.03169	4.24E-02	4.46E-02	4.85E-02
4142	489863.09	3855377.25	0.03021	4.04E-02	4.25E-02	4.63E-02
4143	490363.09	3855377.25	0.02967	3.97E-02	4.17E-02	4.54E-02
4144	490863.09	3855377.25	0.02349	3.14E-02	3.31E-02	3.60E-02
4145	491363.09	3855377.25	0.02118	2.83E-02	2.98E-02	3.24E-02
4146	491863.09	3855377.25	0.02654	3.55E-02	3.73E-02	4.06E-02
4147	492363.09	3855377.25	0.02627	3.52E-02	3.70E-02	4.02E-02
4148	492863.09	3855377.25	0.02543	3.40E-02	3.58E-02	3.89E-02
4149	493363.09	3855377.25	0.0238	3.19E-02	3.35E-02	3.64E-02
4150	493863.09	3855377.25	0.02057	2.75E-02	2.89E-02	3.15E-02
4151	494363.09	3855377.25	0.01666	2.23E-02	2.34E-02	2.55E-02
4152	494863.09	3855377.25	0.01279	1.71E-02	1.80E-02	1.96E-02
4153	495363.09	3855377.25	0.01018	1.36E-02	1.43E-02	1.56E-02
4154	495863.09	3855377.25	0.00857	1.15E-02	1.21E-02	1.31E-02

4155	496363.09	3855377.25	0.00845	1.13E-02	1.19E-02	1.29E-02
4156	496863.09	3855377.25	0.00842	1.13E-02	1.18E-02	1.29E-02
4157	497363.09	3855377.25	0.00877	1.17E-02	1.23E-02	1.34E-02
4158	497863.09	3855377.25	0.00947	1.27E-02	1.33E-02	1.45E-02
4159	498363.09	3855377.25	0.01034	1.38E-02	1.45E-02	1.58E-02
4160	471363.09	3855877.25	0.01137	1.52E-02	1.60E-02	1.74E-02
4161	471863.09	3855877.25	0.01188	1.59E-02	1.67E-02	1.82E-02
4162	472363.09	3855877.25	0.01295	1.73E-02	1.82E-02	1.98E-02
4163	472863.09	3855877.25	0.01313	1.76E-02	1.85E-02	2.01E-02
4164	473363.09	3855877.25	0.01438	1.92E-02	2.02E-02	2.20E-02
4165	473863.09	3855877.25	0.01524	2.04E-02	2.14E-02	2.33E-02
4166	474363.09	3855877.25	0.01569	2.10E-02	2.21E-02	2.40E-02
4167	474863.09	3855877.25	0.01256	1.68E-02	1.77E-02	1.92E-02
4168	475363.09	3855877.25	0.0072	9.64E-03	1.01E-02	1.10E-02
4169	475863.09	3855877.25	0.00209	2.80E-03	2.94E-03	3.20E-03
4170	476363.09	3855877.25	0.0022	2.94E-03	3.10E-03	3.37E-03
4171	476863.09	3855877.25	0.00393	5.26E-03	5.53E-03	6.02E-03
4172	477363.09	3855877.25	0.00502	6.72E-03	7.06E-03	7.69E-03
4173	477863.09	3855877.25	0.00643	8.61E-03	9.05E-03	9.85E-03
4174	478363.09	3855877.25	0.00853	1.14E-02	1.20E-02	1.31E-02
4175	478863.09	3855877.25	0.0113	1.51E-02	1.59E-02	1.73E-02
4176	479363.09	3855877.25	0.01476	1.98E-02	2.08E-02	2.26E-02
4177	479863.09	3855877.25	0.01764	2.36E-02	2.48E-02	2.70E-02
4178	480363.09	3855877.25	0.0214	2.86E-02	3.01E-02	3.28E-02
4179	480863.09	3855877.25	0.02539	3.40E-02	3.57E-02	3.89E-02
4180	481363.09	3855877.25	0.02526	3.38E-02	3.55E-02	3.87E-02
4181	481863.09	3855877.25	0.02993	4.01E-02	4.21E-02	4.58E-02
4182	482363.09	3855877.25	0.03	4.02E-02	4.22E-02	4.59E-02
4183	482863.09	3855877.25	0.0302	4.04E-02	4.25E-02	4.62E-02
4184	483363.09	3855877.25	0.03076	4.12E-02	4.33E-02	4.71E-02
4185	483863.09	3855877.25	0.03071	4.11E-02	4.32E-02	4.70E-02
4186	484363.09	3855877.25	0.03092	4.14E-02	4.35E-02	4.73E-02
4187	484863.09	3855877.25	0.03049	4.08E-02	4.29E-02	4.67E-02
4188	485363.09	3855877.25	0.0245	3.28E-02	3.45E-02	3.75E-02
4189	485863.09	3855877.25	0.03069	4.11E-02	4.32E-02	4.70E-02
4190	486363.09	3855877.25	0.02905	3.89E-02	4.09E-02	4.45E-02
4191	486863.09	3855877.25	0.02816	3.77E-02	3.96E-02	4.31E-02
4192	487363.09	3855877.25	0.02885	3.86E-02	4.06E-02	4.42E-02
4193	487863.09	3855877.25	0.02933	3.93E-02	4.13E-02	4.49E-02
4194	488363.09	3855877.25	0.03	4.02E-02	4.22E-02	4.59E-02
4195	488863.09	3855877.25	0.03041	4.07E-02	4.28E-02	4.66E-02
4196	489363.09	3855877.25	0.02988	4.00E-02	4.20E-02	4.58E-02
4197	489863.09	3855877.25	0.02893	3.87E-02	4.07E-02	4.43E-02
4198	490363.09	3855877.25	0.02805	3.75E-02	3.95E-02	4.29E-02
4199	490863.09	3855877.25	0.02657	3.56E-02	3.74E-02	4.07E-02
4200	491363.09	3855877.25	0.02429	3.25E-02	3.42E-02	3.72E-02
4201	491863.09	3855877.25	0.02533	3.39E-02	3.56E-02	3.88E-02
4202	492363.09	3855877.25	0.02433	3.26E-02	3.42E-02	3.73E-02
4203	492863.09	3855877.25	0.02349	3.14E-02	3.31E-02	3.60E-02
4204	493363.09	3855877.25	0.02047	2.74E-02	2.88E-02	3.13E-02
4205	493863.09	3855877.25	0.01645	2.20E-02	2.31E-02	2.52E-02
4206	494363.09	3855877.25	0.01253	1.68E-02	1.76E-02	1.92E-02
4207	494863.09	3855877.25	0.00991	1.33E-02	1.39E-02	1.52E-02
4208	495363.09	3855877.25	0.00744	9.96E-03	1.05E-02	1.14E-02
4209	495863.09	3855877.25	0.00754	1.01E-02	1.06E-02	1.15E-02
4210	496363.09	3855877.25	0.00774	1.04E-02	1.09E-02	1.19E-02
4211	496863.09	3855877.25	0.00833	1.11E-02	1.17E-02	1.28E-02
4212	497363.09	3855877.25	0.009	1.20E-02	1.27E-02	1.38E-02
4213	497863.09	3855877.25	0.00987	1.32E-02	1.39E-02	1.51E-02
4214	498363.09	3855877.25	0.01153	1.54E-02	1.62E-02	1.77E-02
4215	471363.09	3856377.25	0.01094	1.46E-02	1.54E-02	1.68E-02
4216	471863.09	3856377.25	0.01137	1.52E-02	1.60E-02	1.74E-02
4217	472363.09	3856377.25	0.0121	1.62E-02	1.70E-02	1.85E-02

4218	472863.09	3856377.25	0.01293	1.73E-02	1.82E-02	1.98E-02
4219	473363.09	3856377.25	0.01361	1.82E-02	1.92E-02	2.08E-02
4220	473863.09	3856377.25	0.01477	1.98E-02	2.08E-02	2.26E-02
4221	474363.09	3856377.25	0.01446	1.94E-02	2.03E-02	2.21E-02
4222	474863.09	3856377.25	0.01351	1.81E-02	1.90E-02	2.07E-02
4223	475363.09	3856377.25	0.01075	1.44E-02	1.51E-02	1.65E-02
4224	475863.09	3856377.25	0.00677	9.06E-03	9.53E-03	1.04E-02
4225	476363.09	3856377.25	0.00606	8.11E-03	8.53E-03	9.28E-03
4226	476863.09	3856377.25	0.00601	8.04E-03	8.46E-03	9.20E-03
4227	477363.09	3856377.25	0.00627	8.39E-03	8.82E-03	9.60E-03
4228	477863.09	3856377.25	0.00439	5.88E-03	6.18E-03	6.72E-03
4229	478363.09	3856377.25	0.00351	4.70E-03	4.94E-03	5.37E-03
4230	478863.09	3856377.25	0.0084	1.12E-02	1.18E-02	1.29E-02
4231	479363.09	3856377.25	0.01086	1.45E-02	1.53E-02	1.66E-02
4232	479863.09	3856377.25	0.01619	2.17E-02	2.28E-02	2.48E-02
4233	480363.09	3856377.25	0.02076	2.78E-02	2.92E-02	3.18E-02
4234	480863.09	3856377.25	0.02339	3.13E-02	3.29E-02	3.58E-02
4235	481363.09	3856377.25	0.0251	3.36E-02	3.53E-02	3.84E-02
4236	481863.09	3856377.25	0.02611	3.49E-02	3.67E-02	4.00E-02
4237	482363.09	3856377.25	0.0259	3.47E-02	3.64E-02	3.97E-02
4238	482863.09	3856377.25	0.02598	3.48E-02	3.66E-02	3.98E-02
4239	483363.09	3856377.25	0.02651	3.55E-02	3.73E-02	4.06E-02
4240	483863.09	3856377.25	0.02696	3.61E-02	3.79E-02	4.13E-02
4241	484363.09	3856377.25	0.02761	3.70E-02	3.88E-02	4.23E-02
4242	484863.09	3856377.25	0.02831	3.79E-02	3.98E-02	4.33E-02
4243	485363.09	3856377.25	0.02765	3.70E-02	3.89E-02	4.23E-02
4244	485863.09	3856377.25	0.02277	3.05E-02	3.20E-02	3.49E-02
4245	486363.09	3856377.25	0.02651	3.55E-02	3.73E-02	4.06E-02
4246	486863.09	3856377.25	0.02713	3.63E-02	3.82E-02	4.15E-02
4247	487363.09	3856377.25	0.02712	3.63E-02	3.82E-02	4.15E-02
4248	487863.09	3856377.25	0.02741	3.67E-02	3.86E-02	4.20E-02
4249	488363.09	3856377.25	0.0273	3.65E-02	3.84E-02	4.18E-02
4250	488863.09	3856377.25	0.02798	3.74E-02	3.94E-02	4.28E-02
4251	489363.09	3856377.25	0.0281	3.76E-02	3.95E-02	4.30E-02
4252	489863.09	3856377.25	0.02778	3.72E-02	3.91E-02	4.25E-02
4253	490363.09	3856377.25	0.02707	3.62E-02	3.81E-02	4.14E-02
4254	490863.09	3856377.25	0.02605	3.49E-02	3.67E-02	3.99E-02
4255	491363.09	3856377.25	0.02517	3.37E-02	3.54E-02	3.85E-02
4256	491863.09	3856377.25	0.02421	3.24E-02	3.41E-02	3.71E-02
4257	492363.09	3856377.25	0.02299	3.08E-02	3.23E-02	3.52E-02
4258	492863.09	3856377.25	0.02095	2.80E-02	2.95E-02	3.21E-02
4259	493363.09	3856377.25	0.01609	2.15E-02	2.26E-02	2.46E-02
4260	493863.09	3856377.25	0.01356	1.81E-02	1.91E-02	2.08E-02
4261	494363.09	3856377.25	0.01047	1.40E-02	1.47E-02	1.60E-02
4262	494863.09	3856377.25	0.00839	1.12E-02	1.18E-02	1.28E-02
4263	495363.09	3856377.25	0.00733	9.81E-03	1.03E-02	1.12E-02
4264	495863.09	3856377.25	0.00745	9.97E-03	1.05E-02	1.14E-02
4265	496363.09	3856377.25	0.0079	1.06E-02	1.11E-02	1.21E-02
4266	496863.09	3856377.25	0.00889	1.19E-02	1.25E-02	1.36E-02
4267	497363.09	3856377.25	0.00985	1.32E-02	1.39E-02	1.51E-02
4268	497863.09	3856377.25	0.0112	1.50E-02	1.58E-02	1.71E-02
4269	498363.09	3856377.25	0.01287	1.72E-02	1.81E-02	1.97E-02
4270	471363.09	3856877.25	0.01069	1.43E-02	1.50E-02	1.64E-02
4271	471863.09	3856877.25	0.01098	1.47E-02	1.54E-02	1.68E-02
4272	472363.09	3856877.25	0.01157	1.55E-02	1.63E-02	1.77E-02
4273	472863.09	3856877.25	0.01212	1.62E-02	1.71E-02	1.86E-02
4274	473363.09	3856877.25	0.01313	1.76E-02	1.85E-02	2.01E-02
4275	473863.09	3856877.25	0.01371	1.83E-02	1.93E-02	2.10E-02
4276	474363.09	3856877.25	0.01338	1.79E-02	1.88E-02	2.05E-02
4277	474863.09	3856877.25	0.01252	1.68E-02	1.76E-02	1.92E-02
4278	475363.09	3856877.25	0.01067	1.43E-02	1.50E-02	1.63E-02
4279	475863.09	3856877.25	0.01042	1.39E-02	1.47E-02	1.60E-02
4280	476363.09	3856877.25	0.00884	1.18E-02	1.24E-02	1.35E-02

4281	476863.09	3856877.25	0.00826	1.11E-02	1.16E-02	1.26E-02
4282	477363.09	3856877.25	0.00688	9.21E-03	9.68E-03	1.05E-02
4283	477863.09	3856877.25	0.00395	5.29E-03	5.56E-03	6.05E-03
4284	478363.09	3856877.25	0.00314	4.20E-03	4.42E-03	4.81E-03
4285	478863.09	3856877.25	0.0042	5.62E-03	5.91E-03	6.43E-03
4286	479363.09	3856877.25	0.00598	8.00E-03	8.41E-03	9.16E-03
4287	479863.09	3856877.25	0.01411	1.89E-02	1.99E-02	2.16E-02
4288	480363.09	3856877.25	0.01852	2.48E-02	2.61E-02	2.84E-02
4289	480863.09	3856877.25	0.02152	2.88E-02	3.03E-02	3.30E-02
4290	481363.09	3856877.25	0.0229	3.06E-02	3.22E-02	3.51E-02
4291	481863.09	3856877.25	0.02367	3.17E-02	3.33E-02	3.62E-02
4292	482363.09	3856877.25	0.02362	3.16E-02	3.32E-02	3.62E-02
4293	482863.09	3856877.25	0.02353	3.15E-02	3.31E-02	3.60E-02
4294	483363.09	3856877.25	0.02385	3.19E-02	3.36E-02	3.65E-02
4295	483863.09	3856877.25	0.02415	3.23E-02	3.40E-02	3.70E-02
4296	484363.09	3856877.25	0.02459	3.29E-02	3.46E-02	3.77E-02
4297	484863.09	3856877.25	0.0257	3.44E-02	3.62E-02	3.94E-02
4298	485363.09	3856877.25	0.02696	3.61E-02	3.79E-02	4.13E-02
4299	485863.09	3856877.25	0.02658	3.56E-02	3.74E-02	4.07E-02
4300	486363.09	3856877.25	0.02235	2.99E-02	3.14E-02	3.42E-02
4301	486863.09	3856877.25	0.02285	3.06E-02	3.22E-02	3.50E-02
4302	487363.09	3856877.25	0.02756	3.69E-02	3.88E-02	4.22E-02
4303	487863.09	3856877.25	0.02803	3.75E-02	3.94E-02	4.29E-02
4304	488363.09	3856877.25	0.0278	3.72E-02	3.91E-02	4.26E-02
4305	488863.09	3856877.25	0.02738	3.66E-02	3.85E-02	4.19E-02
4306	489363.09	3856877.25	0.02735	3.66E-02	3.85E-02	4.19E-02
4307	489863.09	3856877.25	0.02714	3.63E-02	3.82E-02	4.16E-02
4308	490363.09	3856877.25	0.02655	3.55E-02	3.74E-02	4.07E-02
4309	490863.09	3856877.25	0.02616	3.50E-02	3.68E-02	4.01E-02
4310	491363.09	3856877.25	0.02536	3.39E-02	3.57E-02	3.88E-02
4311	491863.09	3856877.25	0.0245	3.28E-02	3.45E-02	3.75E-02
4312	492363.09	3856877.25	0.02172	2.91E-02	3.06E-02	3.33E-02
4313	492863.09	3856877.25	0.01928	2.58E-02	2.71E-02	2.95E-02
4314	493363.09	3856877.25	0.01615	2.16E-02	2.27E-02	2.47E-02
4315	493863.09	3856877.25	0.01241	1.66E-02	1.75E-02	1.90E-02
4316	494363.09	3856877.25	0.00969	1.30E-02	1.36E-02	1.48E-02
4317	494863.09	3856877.25	0.00883	1.18E-02	1.24E-02	1.35E-02
4318	495363.09	3856877.25	0.00855	1.14E-02	1.20E-02	1.31E-02
4319	495863.09	3856877.25	0.00888	1.19E-02	1.25E-02	1.36E-02
4320	496363.09	3856877.25	0.00931	1.25E-02	1.31E-02	1.43E-02
4321	496863.09	3856877.25	0.01005	1.35E-02	1.41E-02	1.54E-02
4322	497363.09	3856877.25	0.01112	1.49E-02	1.56E-02	1.70E-02
4323	497863.09	3856877.25	0.01301	1.74E-02	1.83E-02	1.99E-02
4324	498363.09	3856877.25	0.01525	2.04E-02	2.15E-02	2.34E-02
4325	471363.09	3857377.25	0.01044	1.40E-02	1.47E-02	1.60E-02
4326	471863.09	3857377.25	0.01067	1.43E-02	1.50E-02	1.63E-02
4327	472363.09	3857377.25	0.01109	1.48E-02	1.56E-02	1.70E-02
4328	472863.09	3857377.25	0.01159	1.55E-02	1.63E-02	1.77E-02
4329	473363.09	3857377.25	0.01227	1.64E-02	1.73E-02	1.88E-02
4330	473863.09	3857377.25	0.01309	1.75E-02	1.84E-02	2.00E-02
4331	474363.09	3857377.25	0.01248	1.67E-02	1.76E-02	1.91E-02
4332	474863.09	3857377.25	0.00992	1.33E-02	1.40E-02	1.52E-02
4333	475363.09	3857377.25	0.00663	8.87E-03	9.33E-03	1.02E-02
4334	475863.09	3857377.25	0.00588	7.87E-03	8.27E-03	9.00E-03
4335	476363.09	3857377.25	0.00778	1.04E-02	1.09E-02	1.19E-02
4336	476863.09	3857377.25	0.00812	1.09E-02	1.14E-02	1.24E-02
4337	477363.09	3857377.25	0.00682	9.13E-03	9.60E-03	1.04E-02
4338	477863.09	3857377.25	0.0046	6.16E-03	6.47E-03	7.04E-03
4339	478363.09	3857377.25	0.00304	4.07E-03	4.28E-03	4.65E-03
4340	478863.09	3857377.25	0.00237	3.17E-03	3.33E-03	3.63E-03
4341	479363.09	3857377.25	0.00431	5.77E-03	6.06E-03	6.60E-03
4342	479863.09	3857377.25	0.01172	1.57E-02	1.65E-02	1.79E-02
4343	480363.09	3857377.25	0.00961	1.29E-02	1.35E-02	1.47E-02

4344	480863.09	3857377.25	0.01967	2.63E-02	2.77E-02	3.01E-02
4345	481363.09	3857377.25	0.01967	2.63E-02	2.77E-02	3.01E-02
4346	481863.09	3857377.25	0.02084	2.79E-02	2.93E-02	3.19E-02
4347	482363.09	3857377.25	0.02183	2.92E-02	3.07E-02	3.34E-02
4348	482863.09	3857377.25	0.02207	2.95E-02	3.11E-02	3.38E-02
4349	483363.09	3857377.25	0.02254	3.02E-02	3.17E-02	3.45E-02
4350	483863.09	3857377.25	0.02306	3.09E-02	3.24E-02	3.53E-02
4351	484363.09	3857377.25	0.02325	3.11E-02	3.27E-02	3.56E-02
4352	484863.09	3857377.25	0.02381	3.19E-02	3.35E-02	3.65E-02
4353	485363.09	3857377.25	0.02481	3.32E-02	3.49E-02	3.80E-02
4354	485863.09	3857377.25	0.02634	3.53E-02	3.71E-02	4.03E-02
4355	486363.09	3857377.25	0.02733	3.66E-02	3.85E-02	4.18E-02
4356	486863.09	3857377.25	0.02425	3.25E-02	3.41E-02	3.71E-02
4357	487363.09	3857377.25	0.02517	3.37E-02	3.54E-02	3.85E-02
4358	487863.09	3857377.25	0.03065	4.10E-02	4.31E-02	4.69E-02
4359	488363.09	3857377.25	0.0313	4.19E-02	4.40E-02	4.79E-02
4360	488863.09	3857377.25	0.03125	4.18E-02	4.40E-02	4.78E-02
4361	489363.09	3857377.25	0.02972	3.98E-02	4.18E-02	4.55E-02
4362	489863.09	3857377.25	0.02842	3.80E-02	4.00E-02	4.35E-02
4363	490363.09	3857377.25	0.02774	3.71E-02	3.90E-02	4.25E-02
4364	490863.09	3857377.25	0.02759	3.69E-02	3.88E-02	4.22E-02
4365	491363.09	3857377.25	0.02781	3.72E-02	3.91E-02	4.26E-02
4366	491863.09	3857377.25	0.02684	3.59E-02	3.78E-02	4.11E-02
4367	492363.09	3857377.25	0.02286	3.06E-02	3.22E-02	3.50E-02
4368	492863.09	3857377.25	0.01905	2.55E-02	2.68E-02	2.92E-02
4369	493363.09	3857377.25	0.01484	1.99E-02	2.09E-02	2.27E-02
4370	493863.09	3857377.25	0.01342	1.80E-02	1.89E-02	2.05E-02
4371	494363.09	3857377.25	0.012	1.61E-02	1.69E-02	1.84E-02
4372	494863.09	3857377.25	0.01163	1.56E-02	1.64E-02	1.78E-02
4373	495363.09	3857377.25	0.01138	1.52E-02	1.60E-02	1.74E-02
4374	495863.09	3857377.25	0.01172	1.57E-02	1.65E-02	1.79E-02
4375	496363.09	3857377.25	0.01215	1.63E-02	1.71E-02	1.86E-02
4376	496863.09	3857377.25	0.01267	1.70E-02	1.78E-02	1.94E-02
4377	497363.09	3857377.25	0.01368	1.83E-02	1.92E-02	2.09E-02
4378	497863.09	3857377.25	0.01521	2.04E-02	2.14E-02	2.33E-02
4379	498363.09	3857377.25	0.01862	2.49E-02	2.62E-02	2.85E-02
4380	471363.09	3857877.25	0.01001	1.34E-02	1.41E-02	1.53E-02
4381	471863.09	3857877.25	0.01029	1.38E-02	1.45E-02	1.58E-02
4382	472363.09	3857877.25	0.01067	1.43E-02	1.50E-02	1.63E-02
4383	472863.09	3857877.25	0.01128	1.51E-02	1.59E-02	1.73E-02
4384	473363.09	3857877.25	0.01168	1.56E-02	1.64E-02	1.79E-02
4385	473863.09	3857877.25	0.01224	1.64E-02	1.72E-02	1.87E-02
4386	474363.09	3857877.25	0.01143	1.53E-02	1.61E-02	1.75E-02
4387	474863.09	3857877.25	0.00884	1.18E-02	1.24E-02	1.35E-02
4388	475363.09	3857877.25	0.00464	6.21E-03	6.53E-03	7.10E-03
4389	475863.09	3857877.25	0.00162	2.17E-03	2.28E-03	2.48E-03
4390	476363.09	3857877.25	0.00512	6.85E-03	7.20E-03	7.84E-03
4391	476863.09	3857877.25	0.00637	8.53E-03	8.96E-03	9.75E-03
4392	477363.09	3857877.25	0.00608	8.14E-03	8.55E-03	9.31E-03
4393	477863.09	3857877.25	0.00561	7.51E-03	7.89E-03	8.59E-03
4394	478363.09	3857877.25	0.00252	3.37E-03	3.55E-03	3.86E-03
4395	478863.09	3857877.25	0.0019	2.54E-03	2.67E-03	2.91E-03
4396	479363.09	3857877.25	0.0108	1.45E-02	1.52E-02	1.65E-02
4397	479863.09	3857877.25	0.01611	2.16E-02	2.27E-02	2.47E-02
4398	480363.09	3857877.25	0.01768	2.37E-02	2.49E-02	2.71E-02
4399	480863.09	3857877.25	0.01801	2.41E-02	2.53E-02	2.76E-02
4400	481363.09	3857877.25	0.01858	2.49E-02	2.61E-02	2.84E-02
4401	481863.09	3857877.25	0.01919	2.57E-02	2.70E-02	2.94E-02
4402	482363.09	3857877.25	0.02027	2.71E-02	2.85E-02	3.10E-02
4403	482863.09	3857877.25	0.02075	2.78E-02	2.92E-02	3.18E-02
4404	483363.09	3857877.25	0.02143	2.87E-02	3.02E-02	3.28E-02
4405	483863.09	3857877.25	0.02231	2.99E-02	3.14E-02	3.42E-02
4406	484363.09	3857877.25	0.02302	3.08E-02	3.24E-02	3.52E-02

4407	484863.09	3857877.25	0.02392	3.20E-02	3.37E-02	3.66E-02
4408	485363.09	3857877.25	0.02506	3.35E-02	3.53E-02	3.84E-02
4409	485863.09	3857877.25	0.0261	3.49E-02	3.67E-02	4.00E-02
4410	486363.09	3857877.25	0.02761	3.70E-02	3.88E-02	4.23E-02
4411	486863.09	3857877.25	0.03042	4.07E-02	4.28E-02	4.66E-02
4412	487363.09	3857877.25	0.03255	4.36E-02	4.58E-02	4.98E-02
4413	487863.09	3857877.25	0.03413	4.57E-02	4.80E-02	5.23E-02
4414	488363.09	3857877.25	0.03995	5.35E-02	5.62E-02	6.12E-02
4415	488863.09	3857877.25	0.04163	5.57E-02	5.86E-02	6.37E-02
4416	489363.09	3857877.25	0.03814	5.10E-02	5.37E-02	5.84E-02
4417	489863.09	3857877.25	0.03524	4.72E-02	4.96E-02	5.40E-02
4418	490363.09	3857877.25	0.03478	4.66E-02	4.89E-02	5.33E-02
4419	490863.09	3857877.25	0.03594	4.81E-02	5.06E-02	5.50E-02
4420	491363.09	3857877.25	0.03415	4.57E-02	4.81E-02	5.23E-02
4421	491863.09	3857877.25	0.03111	4.16E-02	4.38E-02	4.76E-02
4422	492363.09	3857877.25	0.02556	3.42E-02	3.60E-02	3.91E-02
4423	492863.09	3857877.25	0.02098	2.81E-02	2.95E-02	3.21E-02
4424	493363.09	3857877.25	0.01934	2.59E-02	2.72E-02	2.96E-02
4425	493863.09	3857877.25	0.0187	2.50E-02	2.63E-02	2.86E-02
4426	494363.09	3857877.25	0.01813	2.43E-02	2.55E-02	2.78E-02
4427	494863.09	3857877.25	0.01656	2.22E-02	2.33E-02	2.54E-02
4428	495363.09	3857877.25	0.01634	2.19E-02	2.30E-02	2.50E-02
4429	495863.09	3857877.25	0.01608	2.15E-02	2.26E-02	2.46E-02
4430	496363.09	3857877.25	0.01652	2.21E-02	2.32E-02	2.53E-02
4431	496863.09	3857877.25	0.01702	2.28E-02	2.39E-02	2.61E-02
4432	497363.09	3857877.25	0.01713	2.29E-02	2.41E-02	2.62E-02
4433	497863.09	3857877.25	0.0194	2.60E-02	2.73E-02	2.97E-02
4434	498363.09	3857877.25	0.02158	2.89E-02	3.04E-02	3.30E-02
4435	471363.09	3858377.25	0.00979	1.31E-02	1.38E-02	1.50E-02
4436	471863.09	3858377.25	0.01004	1.34E-02	1.41E-02	1.54E-02
4437	472363.09	3858377.25	0.01027	1.37E-02	1.45E-02	1.57E-02
4438	472863.09	3858377.25	0.01066	1.43E-02	1.50E-02	1.63E-02
4439	473363.09	3858377.25	0.01135	1.52E-02	1.60E-02	1.74E-02
4440	473863.09	3858377.25	0.01136	1.52E-02	1.60E-02	1.74E-02
4441	474363.09	3858377.25	0.01042	1.39E-02	1.47E-02	1.60E-02
4442	474863.09	3858377.25	0.00868	1.16E-02	1.22E-02	1.33E-02
4443	475363.09	3858377.25	0.00579	7.75E-03	8.15E-03	8.87E-03
4444	475863.09	3858377.25	0.00384	5.14E-03	5.40E-03	5.88E-03
4445	476363.09	3858377.25	0.00416	5.57E-03	5.85E-03	6.37E-03
4446	476863.09	3858377.25	0.00452	6.05E-03	6.36E-03	6.92E-03
4447	477363.09	3858377.25	0.00414	5.54E-03	5.83E-03	6.34E-03
4448	477863.09	3858377.25	0.00566	7.58E-03	7.96E-03	8.67E-03
4449	478363.09	3858377.25	0.00594	7.95E-03	8.36E-03	9.10E-03
4450	478863.09	3858377.25	0.00366	4.90E-03	5.15E-03	5.60E-03
4451	479363.09	3858377.25	0.01067	1.43E-02	1.50E-02	1.63E-02
4452	479863.09	3858377.25	0.01528	2.05E-02	2.15E-02	2.34E-02
4453	480363.09	3858377.25	0.01635	2.19E-02	2.30E-02	2.50E-02
4454	480863.09	3858377.25	0.0166	2.22E-02	2.34E-02	2.54E-02
4455	481363.09	3858377.25	0.01721	2.30E-02	2.42E-02	2.64E-02
4456	481863.09	3858377.25	0.01739	2.33E-02	2.45E-02	2.66E-02
4457	482363.09	3858377.25	0.0181	2.42E-02	2.55E-02	2.77E-02
4458	482863.09	3858377.25	0.01936	2.59E-02	2.72E-02	2.96E-02
4459	483363.09	3858377.25	0.02025	2.71E-02	2.85E-02	3.10E-02
4460	483863.09	3858377.25	0.02121	2.84E-02	2.98E-02	3.25E-02
4461	484363.09	3858377.25	0.02236	2.99E-02	3.15E-02	3.42E-02
4462	484863.09	3858377.25	0.02375	3.18E-02	3.34E-02	3.64E-02
4463	485363.09	3858377.25	0.02559	3.43E-02	3.60E-02	3.92E-02
4464	485863.09	3858377.25	0.02793	3.74E-02	3.93E-02	4.28E-02
4465	486363.09	3858377.25	0.03062	4.10E-02	4.31E-02	4.69E-02
4466	486863.09	3858377.25	0.03367	4.51E-02	4.74E-02	5.16E-02
4467	487363.09	3858377.25	0.03765	5.04E-02	5.30E-02	5.76E-02
4468	487863.09	3858377.25	0.046	6.16E-02	6.47E-02	7.04E-02
4469	488363.09	3858377.25	0.0593	7.94E-02	8.34E-02	9.08E-02

4470	488863.09	3858377.25	0.06811	9.12E-02	9.58E-02	1.04E-01
4471	489363.09	3858377.25	0.06547	8.76E-02	9.21E-02	1.00E-01
4472	489863.09	3858377.25	0.06518	8.72E-02	9.17E-02	9.98E-02
4473	490363.09	3858377.25	0.06743	9.02E-02	9.49E-02	1.03E-01
4474	490863.09	3858377.25	0.06768	9.06E-02	9.52E-02	1.04E-01
4475	491363.09	3858377.25	0.05825	7.80E-02	8.20E-02	8.92E-02
4476	491863.09	3858377.25	0.04271	5.72E-02	6.01E-02	6.54E-02
4477	492363.09	3858377.25	0.03197	4.28E-02	4.50E-02	4.90E-02
4478	492863.09	3858377.25	0.03496	4.68E-02	4.92E-02	5.35E-02
4479	493363.09	3858377.25	0.03241	4.34E-02	4.56E-02	4.96E-02
4480	493863.09	3858377.25	0.03097	4.15E-02	4.36E-02	4.74E-02
4481	494363.09	3858377.25	0.02874	3.85E-02	4.04E-02	4.40E-02
4482	494863.09	3858377.25	0.02667	3.57E-02	3.75E-02	4.08E-02
4483	495363.09	3858377.25	0.02394	3.20E-02	3.37E-02	3.67E-02
4484	495863.09	3858377.25	0.0232	3.11E-02	3.26E-02	3.55E-02
4485	496363.09	3858377.25	0.02233	2.99E-02	3.14E-02	3.42E-02
4486	496863.09	3858377.25	0.02292	3.07E-02	3.22E-02	3.51E-02
4487	497363.09	3858377.25	0.02272	3.04E-02	3.20E-02	3.48E-02
4488	497863.09	3858377.25	0.02462	3.30E-02	3.46E-02	3.77E-02
4489	498363.09	3858377.25	0.02717	3.64E-02	3.82E-02	4.16E-02
4490	471363.09	3858877.25	0.00943	1.26E-02	1.33E-02	1.44E-02
4491	471863.09	3858877.25	0.00959	1.28E-02	1.35E-02	1.47E-02
4492	472363.09	3858877.25	0.00998	1.34E-02	1.40E-02	1.53E-02
4493	472863.09	3858877.25	0.0103	1.38E-02	1.45E-02	1.58E-02
4494	473363.09	3858877.25	0.01082	1.45E-02	1.52E-02	1.66E-02
4495	473863.09	3858877.25	0.01094	1.46E-02	1.54E-02	1.68E-02
4496	474363.09	3858877.25	0.01035	1.39E-02	1.46E-02	1.58E-02
4497	474863.09	3858877.25	0.00571	7.64E-03	8.03E-03	8.74E-03
4498	475363.09	3858877.25	0.00394	5.27E-03	5.54E-03	6.03E-03
4499	475863.09	3858877.25	0.00449	6.01E-03	6.32E-03	6.88E-03
4500	476363.09	3858877.25	0.00243	3.25E-03	3.42E-03	3.72E-03
4501	476863.09	3858877.25	0.0032	4.28E-03	4.50E-03	4.90E-03
4502	477363.09	3858877.25	0.00328	4.39E-03	4.62E-03	5.02E-03
4503	477863.09	3858877.25	0.00421	5.63E-03	5.92E-03	6.45E-03
4504	478363.09	3858877.25	0.00833	1.11E-02	1.17E-02	1.28E-02
4505	478863.09	3858877.25	0.00702	9.40E-03	9.88E-03	1.07E-02
4506	479363.09	3858877.25	0.00557	7.46E-03	7.84E-03	8.53E-03
4507	479863.09	3858877.25	0.01465	1.96E-02	2.06E-02	2.24E-02
4508	480363.09	3858877.25	0.01526	2.04E-02	2.15E-02	2.34E-02
4509	480863.09	3858877.25	0.01576	2.11E-02	2.22E-02	2.41E-02
4510	481363.09	3858877.25	0.01617	2.16E-02	2.28E-02	2.48E-02
4511	481863.09	3858877.25	0.01644	2.20E-02	2.31E-02	2.52E-02
4512	482363.09	3858877.25	0.0168	2.25E-02	2.36E-02	2.57E-02
4513	482863.09	3858877.25	0.01746	2.34E-02	2.46E-02	2.67E-02
4514	483363.09	3858877.25	0.01887	2.53E-02	2.66E-02	2.89E-02
4515	483863.09	3858877.25	0.01987	2.66E-02	2.80E-02	3.04E-02
4516	484363.09	3858877.25	0.02112	2.83E-02	2.97E-02	3.23E-02
4517	484863.09	3858877.25	0.02264	3.03E-02	3.19E-02	3.47E-02
4518	485363.09	3858877.25	0.02474	3.31E-02	3.48E-02	3.79E-02
4519	485863.09	3858877.25	0.02774	3.71E-02	3.90E-02	4.25E-02
4520	486363.09	3858877.25	0.03156	4.22E-02	4.44E-02	4.83E-02
4521	486863.09	3858877.25	0.03712	4.97E-02	5.22E-02	5.68E-02
4522	487363.09	3858877.25	0.04647	6.22E-02	6.54E-02	7.12E-02
4523	487863.09	3858877.25	0.06221	8.33E-02	8.75E-02	9.53E-02
4524	488363.09	3858877.25	0.10382	1.39E-01	1.46E-01	1.59E-01
4525	488863.09	3858877.25	0.48675	6.51E-01	6.85E-01	7.45E-01
4526	489363.09	3858877.25	0.46117	6.17E-01	6.49E-01	7.06E-01
4527	489863.09	3858877.25	0.29707	3.98E-01	4.18E-01	4.55E-01
4528	490363.09	3858877.25	0.20874	2.79E-01	2.94E-01	3.20E-01
4529	490863.09	3858877.25	0.1373	1.84E-01	1.93E-01	2.10E-01
4530	491363.09	3858877.25	0.08774	1.17E-01	1.23E-01	1.34E-01
4531	491863.09	3858877.25	0.06142	8.22E-02	8.64E-02	9.40E-02
4532	492363.09	3858877.25	0.06575	8.80E-02	9.25E-02	1.01E-01

4533	492863.09	3858877.25	0.0732	9.80E-02	1.03E-01	1.12E-01
4534	493363.09	3858877.25	0.06326	8.47E-02	8.90E-02	9.69E-02
4535	493863.09	3858877.25	0.0513	6.87E-02	7.22E-02	7.85E-02
4536	494363.09	3858877.25	0.0465	6.22E-02	6.54E-02	7.12E-02
4537	494863.09	3858877.25	0.04155	5.56E-02	5.85E-02	6.36E-02
4538	495363.09	3858877.25	0.03682	4.93E-02	5.18E-02	5.64E-02
4539	495863.09	3858877.25	0.0339	4.54E-02	4.77E-02	5.19E-02
4540	496363.09	3858877.25	0.03212	4.30E-02	4.52E-02	4.92E-02
4541	496863.09	3858877.25	0.03048	4.08E-02	4.29E-02	4.67E-02
4542	497363.09	3858877.25	0.02898	3.88E-02	4.08E-02	4.44E-02
4543	497863.09	3858877.25	0.03098	4.15E-02	4.36E-02	4.74E-02
4544	498363.09	3858877.25	0.03321	4.44E-02	4.67E-02	5.09E-02
4545	471363.09	3859377.25	0.00894	1.20E-02	1.26E-02	1.37E-02
4546	471863.09	3859377.25	0.00917	1.23E-02	1.29E-02	1.40E-02
4547	472363.09	3859377.25	0.00954	1.28E-02	1.34E-02	1.46E-02
4548	472863.09	3859377.25	0.00987	1.32E-02	1.39E-02	1.51E-02
4549	473363.09	3859377.25	0.01026	1.37E-02	1.44E-02	1.57E-02
4550	473863.09	3859377.25	0.01051	1.41E-02	1.48E-02	1.61E-02
4551	474363.09	3859377.25	0.00991	1.33E-02	1.39E-02	1.52E-02
4552	474863.09	3859377.25	0.00802	1.07E-02	1.13E-02	1.23E-02
4553	475363.09	3859377.25	0.00547	7.32E-03	7.70E-03	8.38E-03
4554	475863.09	3859377.25	0.00328	4.39E-03	4.62E-03	5.02E-03
4555	476363.09	3859377.25	0.00279	3.73E-03	3.93E-03	4.27E-03
4556	476863.09	3859377.25	0.0021	2.81E-03	2.95E-03	3.22E-03
4557	477363.09	3859377.25	0.00231	3.09E-03	3.25E-03	3.54E-03
4558	477863.09	3859377.25	0.0048	6.42E-03	6.75E-03	7.35E-03
4559	478363.09	3859377.25	0.00724	9.69E-03	1.02E-02	1.11E-02
4560	478863.09	3859377.25	0.00994	1.33E-02	1.40E-02	1.52E-02
4561	479363.09	3859377.25	0.01185	1.59E-02	1.67E-02	1.81E-02
4562	479863.09	3859377.25	0.01309	1.75E-02	1.84E-02	2.00E-02
4563	480363.09	3859377.25	0.01403	1.88E-02	1.97E-02	2.15E-02
4564	480863.09	3859377.25	0.01469	1.97E-02	2.07E-02	2.25E-02
4565	481363.09	3859377.25	0.01513	2.03E-02	2.13E-02	2.32E-02
4566	481863.09	3859377.25	0.01545	2.07E-02	2.17E-02	2.37E-02
4567	482363.09	3859377.25	0.01586	2.12E-02	2.23E-02	2.43E-02
4568	482863.09	3859377.25	0.0165	2.21E-02	2.32E-02	2.53E-02
4569	483363.09	3859377.25	0.01764	2.36E-02	2.48E-02	2.70E-02
4570	483863.09	3859377.25	0.01867	2.50E-02	2.63E-02	2.86E-02
4571	484363.09	3859377.25	0.01993	2.67E-02	2.80E-02	3.05E-02
4572	484863.09	3859377.25	0.02146	2.87E-02	3.02E-02	3.29E-02
4573	485363.09	3859377.25	0.02348	3.14E-02	3.30E-02	3.60E-02
4574	485863.09	3859377.25	0.02631	3.52E-02	3.70E-02	4.03E-02
4575	486363.09	3859377.25	0.03036	4.06E-02	4.27E-02	4.65E-02
4576	486863.09	3859377.25	0.03605	4.83E-02	5.07E-02	5.52E-02
4577	487363.09	3859377.25	0.04538	6.07E-02	6.39E-02	6.95E-02
4578	487863.09	3859377.25	0.06398	8.56E-02	9.00E-02	9.80E-02
4579	488363.09	3859377.25	0.10066	1.35E-01	1.42E-01	1.54E-01
4580	488863.09	3859377.25	0.20278	2.71E-01	2.85E-01	3.10E-01
4581	489363.09	3859377.25	0.54506	7.30E-01	7.67E-01	8.35E-01
4582	489863.09	3859377.25	1.90673	2.55E+00	2.68E+00	2.92E+00
4583	490363.09	3859377.25	0.65655	8.79E-01	9.24E-01	1.01E+00
4584	490863.09	3859377.25	0.32243	4.32E-01	4.54E-01	4.94E-01
4585	491363.09	3859377.25	0.16012	2.14E-01	2.25E-01	2.45E-01
4586	491863.09	3859377.25	0.16996	2.27E-01	2.39E-01	2.60E-01
4587	492363.09	3859377.25	0.1448	1.94E-01	2.04E-01	2.22E-01
4588	492863.09	3859377.25	0.12948	1.73E-01	1.82E-01	1.98E-01
4589	493363.09	3859377.25	0.10246	1.37E-01	1.44E-01	1.57E-01
4590	493863.09	3859377.25	0.09012	1.21E-01	1.27E-01	1.38E-01
4591	494363.09	3859377.25	0.07644	1.02E-01	1.08E-01	1.17E-01
4592	494863.09	3859377.25	0.06012	8.05E-02	8.46E-02	9.21E-02
4593	495363.09	3859377.25	0.05408	7.24E-02	7.61E-02	8.28E-02
4594	495863.09	3859377.25	0.04741	6.35E-02	6.67E-02	7.26E-02
4595	496363.09	3859377.25	0.04449	5.95E-02	6.26E-02	6.81E-02

4596	496863.09	3859377.25	0.03825	5.12E-02	5.38E-02	5.86E-02
4597	497363.09	3859377.25	0.03759	5.03E-02	5.29E-02	5.76E-02
4598	497863.09	3859377.25	0.03909	5.23E-02	5.50E-02	5.99E-02
4599	498363.09	3859377.25	0.0398	5.33E-02	5.60E-02	6.09E-02
4600	471363.09	3859877.25	0.0085	1.14E-02	1.20E-02	1.30E-02
4601	471863.09	3859877.25	0.00878	1.18E-02	1.24E-02	1.34E-02
4602	472363.09	3859877.25	0.00902	1.21E-02	1.27E-02	1.38E-02
4603	472863.09	3859877.25	0.00938	1.26E-02	1.32E-02	1.44E-02
4604	473363.09	3859877.25	0.0097	1.30E-02	1.36E-02	1.49E-02
4605	473863.09	3859877.25	0.00997	1.33E-02	1.40E-02	1.53E-02
4606	474363.09	3859877.25	0.00968	1.30E-02	1.36E-02	1.48E-02
4607	474863.09	3859877.25	0.00881	1.18E-02	1.24E-02	1.35E-02
4608	475363.09	3859877.25	0.00623	8.34E-03	8.77E-03	9.54E-03
4609	475863.09	3859877.25	0.00314	4.20E-03	4.42E-03	4.81E-03
4610	476363.09	3859877.25	0.00168	2.25E-03	2.36E-03	2.57E-03
4611	476863.09	3859877.25	0.002	2.68E-03	2.81E-03	3.06E-03
4612	477363.09	3859877.25	0.00216	2.89E-03	3.04E-03	3.31E-03
4613	477863.09	3859877.25	0.00425	5.69E-03	5.98E-03	6.51E-03
4614	478363.09	3859877.25	0.00695	9.30E-03	9.78E-03	1.06E-02
4615	478863.09	3859877.25	0.00941	1.26E-02	1.32E-02	1.44E-02
4616	479363.09	3859877.25	0.01142	1.53E-02	1.61E-02	1.75E-02
4617	479863.09	3859877.25	0.01248	1.67E-02	1.76E-02	1.91E-02
4618	480363.09	3859877.25	0.01327	1.78E-02	1.87E-02	2.03E-02
4619	480863.09	3859877.25	0.01386	1.86E-02	1.95E-02	2.12E-02
4620	481363.09	3859877.25	0.01427	1.91E-02	2.01E-02	2.19E-02
4621	481863.09	3859877.25	0.01463	1.96E-02	2.06E-02	2.24E-02
4622	482363.09	3859877.25	0.01514	2.03E-02	2.13E-02	2.32E-02
4623	482863.09	3859877.25	0.01573	2.11E-02	2.21E-02	2.41E-02
4624	483363.09	3859877.25	0.0166	2.22E-02	2.34E-02	2.54E-02
4625	483863.09	3859877.25	0.01778	2.38E-02	2.50E-02	2.72E-02
4626	484363.09	3859877.25	0.01892	2.53E-02	2.66E-02	2.90E-02
4627	484863.09	3859877.25	0.02036	2.73E-02	2.86E-02	3.12E-02
4628	485363.09	3859877.25	0.02227	2.98E-02	3.13E-02	3.41E-02
4629	485863.09	3859877.25	0.02496	3.34E-02	3.51E-02	3.82E-02
4630	486363.09	3859877.25	0.02887	3.86E-02	4.06E-02	4.42E-02
4631	486863.09	3859877.25	0.03483	4.66E-02	4.90E-02	5.33E-02
4632	487363.09	3859877.25	0.04256	5.70E-02	5.99E-02	6.52E-02
4633	487863.09	3859877.25	0.05577	7.46E-02	7.85E-02	8.54E-02
4634	488363.09	3859877.25	0.07603	1.02E-01	1.07E-01	1.16E-01
4635	488863.09	3859877.25	0.11168	1.49E-01	1.57E-01	1.71E-01
4636	489363.09	3859877.25	0.17004	2.28E-01	2.39E-01	2.60E-01
4637	489863.09	3859877.25	0.28482	3.81E-01	4.01E-01	4.36E-01
4638	490363.09	3859877.25	0.55509	7.43E-01	7.81E-01	8.50E-01
4639	490863.09	3859877.25	2.74514	3.67E+00	3.86E+00	4.20E+00
4640	491363.09	3859877.25	0.87947	1.18E+00	1.24E+00	1.35E+00
4641	491863.09	3859877.25	0.45647	6.11E-01	6.42E-01	6.99E-01
4642	492363.09	3859877.25	0.30649	4.10E-01	4.31E-01	4.69E-01
4643	492863.09	3859877.25	0.21235	2.84E-01	2.99E-01	3.25E-01
4644	493363.09	3859877.25	0.1636	2.19E-01	2.30E-01	2.51E-01
4645	493863.09	3859877.25	0.12991	1.74E-01	1.83E-01	1.99E-01
4646	494363.09	3859877.25	0.10207	1.37E-01	1.44E-01	1.56E-01
4647	494863.09	3859877.25	0.08698	1.16E-01	1.22E-01	1.33E-01
4648	495363.09	3859877.25	0.07287	9.75E-02	1.03E-01	1.12E-01
4649	495863.09	3859877.25	0.06161	8.25E-02	8.67E-02	9.43E-02
4650	496363.09	3859877.25	0.05016	6.71E-02	7.06E-02	7.68E-02
4651	496863.09	3859877.25	0.03616	4.84E-02	5.09E-02	5.54E-02
4652	497363.09	3859877.25	0.03992	5.34E-02	5.62E-02	6.11E-02
4653	497863.09	3859877.25	0.0435	5.82E-02	6.12E-02	6.66E-02
4654	498363.09	3859877.25	0.04328	5.79E-02	6.09E-02	6.63E-02
4655	471363.09	3860377.25	0.00814	1.09E-02	1.15E-02	1.25E-02
4656	471863.09	3860377.25	0.00839	1.12E-02	1.18E-02	1.28E-02
4657	472363.09	3860377.25	0.00867	1.16E-02	1.22E-02	1.33E-02
4658	472863.09	3860377.25	0.00897	1.20E-02	1.26E-02	1.37E-02

4659	473363.09	3860377.25	0.00924	1.24E-02	1.30E-02	1.41E-02
4660	473863.09	3860377.25	0.00947	1.27E-02	1.33E-02	1.45E-02
4661	474363.09	3860377.25	0.00954	1.28E-02	1.34E-02	1.46E-02
4662	474863.09	3860377.25	0.00937	1.25E-02	1.32E-02	1.43E-02
4663	475363.09	3860377.25	0.00866	1.16E-02	1.22E-02	1.33E-02
4664	475863.09	3860377.25	0.00766	1.03E-02	1.08E-02	1.17E-02
4665	476363.09	3860377.25	0.00633	8.47E-03	8.91E-03	9.69E-03
4666	476863.09	3860377.25	0.00574	7.68E-03	8.08E-03	8.79E-03
4667	477363.09	3860377.25	0.00351	4.70E-03	4.94E-03	5.37E-03
4668	477863.09	3860377.25	0.00442	5.92E-03	6.22E-03	6.77E-03
4669	478363.09	3860377.25	0.00726	9.72E-03	1.02E-02	1.11E-02
4670	478863.09	3860377.25	0.00915	1.22E-02	1.29E-02	1.40E-02
4671	479363.09	3860377.25	0.01078	1.44E-02	1.52E-02	1.65E-02
4672	479863.09	3860377.25	0.01189	1.59E-02	1.67E-02	1.82E-02
4673	480363.09	3860377.25	0.01263	1.69E-02	1.78E-02	1.93E-02
4674	480863.09	3860377.25	0.01314	1.76E-02	1.85E-02	2.01E-02
4675	481363.09	3860377.25	0.01344	1.80E-02	1.89E-02	2.06E-02
4676	481863.09	3860377.25	0.01389	1.86E-02	1.95E-02	2.13E-02
4677	482363.09	3860377.25	0.01434	1.92E-02	2.02E-02	2.20E-02
4678	482863.09	3860377.25	0.01486	1.99E-02	2.09E-02	2.28E-02
4679	483363.09	3860377.25	0.01572	2.10E-02	2.21E-02	2.41E-02
4680	483863.09	3860377.25	0.0168	2.25E-02	2.36E-02	2.57E-02
4681	484363.09	3860377.25	0.01807	2.42E-02	2.54E-02	2.77E-02
4682	484863.09	3860377.25	0.01954	2.62E-02	2.75E-02	2.99E-02
4683	485363.09	3860377.25	0.02138	2.86E-02	3.01E-02	3.27E-02
4684	485863.09	3860377.25	0.02403	3.22E-02	3.38E-02	3.68E-02
4685	486363.09	3860377.25	0.02738	3.66E-02	3.85E-02	4.19E-02
4686	486863.09	3860377.25	0.03151	4.22E-02	4.43E-02	4.82E-02
4687	487363.09	3860377.25	0.03703	4.96E-02	5.21E-02	5.67E-02
4688	487863.09	3860377.25	0.04597	6.15E-02	6.47E-02	7.04E-02
4689	488363.09	3860377.25	0.05807	7.77E-02	8.17E-02	8.89E-02
4690	488863.09	3860377.25	0.07427	9.94E-02	1.05E-01	1.14E-01
4691	489363.09	3860377.25	0.09499	1.27E-01	1.34E-01	1.45E-01
4692	489863.09	3860377.25	0.12595	1.69E-01	1.77E-01	1.93E-01
4693	490363.09	3860377.25	0.16802	2.25E-01	2.36E-01	2.57E-01
4694	490863.09	3860377.25	0.24799	3.32E-01	3.49E-01	3.80E-01
4695	491363.09	3860377.25	0.55018	7.36E-01	7.74E-01	8.42E-01
4696	491863.09	3860377.25	1.10373	1.48E+00	1.55E+00	1.69E+00
4697	492363.09	3860377.25	0.46534	6.23E-01	6.55E-01	7.13E-01
4698	492863.09	3860377.25	0.27445	3.67E-01	3.86E-01	4.20E-01
4699	493363.09	3860377.25	0.18546	2.48E-01	2.61E-01	2.84E-01
4700	493863.09	3860377.25	0.144	1.93E-01	2.03E-01	2.20E-01
4701	494363.09	3860377.25	0.11368	1.52E-01	1.60E-01	1.74E-01
4702	494863.09	3860377.25	0.09609	1.29E-01	1.35E-01	1.47E-01
4703	495363.09	3860377.25	0.08053	1.08E-01	1.13E-01	1.23E-01
4704	495863.09	3860377.25	0.06441	8.62E-02	9.06E-02	9.86E-02
4705	496363.09	3860377.25	0.05189	6.95E-02	7.30E-02	7.95E-02
4706	496863.09	3860377.25	0.04377	5.86E-02	6.16E-02	6.70E-02
4707	497363.09	3860377.25	0.03638	4.87E-02	5.12E-02	5.57E-02
4708	497863.09	3860377.25	0.03974	5.32E-02	5.59E-02	6.08E-02
4709	498363.09	3860377.25	0.04097	5.48E-02	5.76E-02	6.27E-02
4710	471363.09	3860877.25	0.00791	1.06E-02	1.11E-02	1.21E-02
4711	471863.09	3860877.25	0.00815	1.09E-02	1.15E-02	1.25E-02
4712	472363.09	3860877.25	0.00839	1.12E-02	1.18E-02	1.28E-02
4713	472863.09	3860877.25	0.00865	1.16E-02	1.22E-02	1.32E-02
4714	473363.09	3860877.25	0.00888	1.19E-02	1.25E-02	1.36E-02
4715	473863.09	3860877.25	0.00909	1.22E-02	1.28E-02	1.39E-02
4716	474363.09	3860877.25	0.00929	1.24E-02	1.31E-02	1.42E-02
4717	474863.09	3860877.25	0.00947	1.27E-02	1.33E-02	1.45E-02
4718	475363.09	3860877.25	0.00944	1.26E-02	1.33E-02	1.45E-02
4719	475863.09	3860877.25	0.00918	1.23E-02	1.29E-02	1.41E-02
4720	476363.09	3860877.25	0.00853	1.14E-02	1.20E-02	1.31E-02
4721	476863.09	3860877.25	0.00821	1.10E-02	1.16E-02	1.26E-02

4722	477363.09	3860877.25	0.00826	1.11E-02	1.16E-02	1.26E-02
4723	477863.09	3860877.25	0.00745	9.97E-03	1.05E-02	1.14E-02
4724	478363.09	3860877.25	0.005	6.69E-03	7.04E-03	7.66E-03
4725	478863.09	3860877.25	0.00852	1.14E-02	1.20E-02	1.30E-02
4726	479363.09	3860877.25	0.01028	1.38E-02	1.45E-02	1.57E-02
4727	479863.09	3860877.25	0.01134	1.52E-02	1.60E-02	1.74E-02
4728	480363.09	3860877.25	0.01202	1.61E-02	1.69E-02	1.84E-02
4729	480863.09	3860877.25	0.0124	1.66E-02	1.74E-02	1.90E-02
4730	481363.09	3860877.25	0.01274	1.71E-02	1.79E-02	1.95E-02
4731	481863.09	3860877.25	0.01314	1.76E-02	1.85E-02	2.01E-02
4732	482363.09	3860877.25	0.01365	1.83E-02	1.92E-02	2.09E-02
4733	482863.09	3860877.25	0.01424	1.91E-02	2.00E-02	2.18E-02
4734	483363.09	3860877.25	0.01505	2.01E-02	2.12E-02	2.30E-02
4735	483863.09	3860877.25	0.01613	2.16E-02	2.27E-02	2.47E-02
4736	484363.09	3860877.25	0.01745	2.34E-02	2.46E-02	2.67E-02
4737	484863.09	3860877.25	0.01873	2.51E-02	2.64E-02	2.87E-02
4738	485363.09	3860877.25	0.02052	2.75E-02	2.89E-02	3.14E-02
4739	485863.09	3860877.25	0.02269	3.04E-02	3.19E-02	3.47E-02
4740	486363.09	3860877.25	0.02495	3.34E-02	3.51E-02	3.82E-02
4741	486863.09	3860877.25	0.02809	3.76E-02	3.95E-02	4.30E-02
4742	487363.09	3860877.25	0.03232	4.33E-02	4.55E-02	4.95E-02
4743	487863.09	3860877.25	0.03778	5.06E-02	5.32E-02	5.78E-02
4744	488363.09	3860877.25	0.04609	6.17E-02	6.49E-02	7.06E-02
4745	488863.09	3860877.25	0.0535	7.16E-02	7.53E-02	8.19E-02
4746	489363.09	3860877.25	0.06445	8.63E-02	9.07E-02	9.87E-02
4747	489863.09	3860877.25	0.07339	9.82E-02	1.03E-01	1.12E-01
4748	490363.09	3860877.25	0.08867	1.19E-01	1.25E-01	1.36E-01
4749	490863.09	3860877.25	0.1087	1.45E-01	1.53E-01	1.66E-01
4750	491363.09	3860877.25	0.13062	1.75E-01	1.84E-01	2.00E-01
4751	491863.09	3860877.25	0.14191	1.90E-01	2.00E-01	2.17E-01
4752	492363.09	3860877.25	0.13747	1.84E-01	1.93E-01	2.10E-01
4753	492863.09	3860877.25	0.13338	1.79E-01	1.88E-01	2.04E-01
4754	493363.09	3860877.25	0.11853	1.59E-01	1.67E-01	1.81E-01
4755	493863.09	3860877.25	0.10051	1.35E-01	1.41E-01	1.54E-01
4756	494363.09	3860877.25	0.08671	1.16E-01	1.22E-01	1.33E-01
4757	494863.09	3860877.25	0.07607	1.02E-01	1.07E-01	1.16E-01
4758	495363.09	3860877.25	0.06768	9.06E-02	9.52E-02	1.04E-01
4759	495863.09	3860877.25	0.06044	8.09E-02	8.50E-02	9.25E-02
4760	496363.09	3860877.25	0.05479	7.33E-02	7.71E-02	8.39E-02
4761	496863.09	3860877.25	0.04639	6.21E-02	6.53E-02	7.10E-02
4762	497363.09	3860877.25	0.04284	5.73E-02	6.03E-02	6.56E-02
4763	497863.09	3860877.25	0.03878	5.19E-02	5.46E-02	5.94E-02
4764	498363.09	3860877.25	0.03806	5.09E-02	5.36E-02	5.83E-02
4765	471363.09	3861377.25	0.00771	1.03E-02	1.08E-02	1.18E-02
4766	471863.09	3861377.25	0.00792	1.06E-02	1.11E-02	1.21E-02
4767	472363.09	3861377.25	0.00813	1.09E-02	1.14E-02	1.24E-02
4768	472863.09	3861377.25	0.00835	1.12E-02	1.17E-02	1.28E-02
4769	473363.09	3861377.25	0.00856	1.15E-02	1.20E-02	1.31E-02
4770	473863.09	3861377.25	0.00875	1.17E-02	1.23E-02	1.34E-02
4771	474363.09	3861377.25	0.00898	1.20E-02	1.26E-02	1.38E-02
4772	474863.09	3861377.25	0.00915	1.22E-02	1.29E-02	1.40E-02
4773	475363.09	3861377.25	0.00937	1.25E-02	1.32E-02	1.43E-02
4774	475863.09	3861377.25	0.00944	1.26E-02	1.33E-02	1.45E-02
4775	476363.09	3861377.25	0.00937	1.25E-02	1.32E-02	1.43E-02
4776	476863.09	3861377.25	0.00928	1.24E-02	1.31E-02	1.42E-02
4777	477363.09	3861377.25	0.00924	1.24E-02	1.30E-02	1.41E-02
4778	477863.09	3861377.25	0.00822	1.10E-02	1.16E-02	1.26E-02
4779	478363.09	3861377.25	0.00575	7.70E-03	8.09E-03	8.80E-03
4780	478863.09	3861377.25	0.0066	8.83E-03	9.29E-03	1.01E-02
4781	479363.09	3861377.25	0.0095	1.27E-02	1.34E-02	1.45E-02
4782	479863.09	3861377.25	0.01072	1.43E-02	1.51E-02	1.64E-02
4783	480363.09	3861377.25	0.01148	1.54E-02	1.62E-02	1.76E-02
4784	480863.09	3861377.25	0.01183	1.58E-02	1.66E-02	1.81E-02

4785	481363.09	3861377.25	0.0122	1.63E-02	1.72E-02	1.87E-02
4786	481863.09	3861377.25	0.01264	1.69E-02	1.78E-02	1.94E-02
4787	482363.09	3861377.25	0.01315	1.76E-02	1.85E-02	2.01E-02
4788	482863.09	3861377.25	0.01371	1.83E-02	1.93E-02	2.10E-02
4789	483363.09	3861377.25	0.01448	1.94E-02	2.04E-02	2.22E-02
4790	483863.09	3861377.25	0.01558	2.09E-02	2.19E-02	2.39E-02
4791	484363.09	3861377.25	0.01677	2.24E-02	2.36E-02	2.57E-02
4792	484863.09	3861377.25	0.01794	2.40E-02	2.52E-02	2.75E-02
4793	485363.09	3861377.25	0.01901	2.54E-02	2.67E-02	2.91E-02
4794	485863.09	3861377.25	0.02061	2.76E-02	2.90E-02	3.16E-02
4795	486363.09	3861377.25	0.02248	3.01E-02	3.16E-02	3.44E-02
4796	486863.09	3861377.25	0.02495	3.34E-02	3.51E-02	3.82E-02
4797	487363.09	3861377.25	0.02804	3.75E-02	3.95E-02	4.29E-02
4798	487863.09	3861377.25	0.03171	4.24E-02	4.46E-02	4.86E-02
4799	488363.09	3861377.25	0.03554	4.76E-02	5.00E-02	5.44E-02
4800	488863.09	3861377.25	0.04052	5.42E-02	5.70E-02	6.20E-02
4801	489363.09	3861377.25	0.04486	6.00E-02	6.31E-02	6.87E-02
4802	489863.09	3861377.25	0.04999	6.69E-02	7.03E-02	7.65E-02
4803	490363.09	3861377.25	0.05408	7.24E-02	7.61E-02	8.28E-02
4804	490863.09	3861377.25	0.05928	7.93E-02	8.34E-02	9.08E-02
4805	491363.09	3861377.25	0.06232	8.34E-02	8.77E-02	9.54E-02
4806	491863.09	3861377.25	0.06138	8.22E-02	8.64E-02	9.40E-02
4807	492363.09	3861377.25	0.06201	8.30E-02	8.73E-02	9.49E-02
4808	492863.09	3861377.25	0.05985	8.01E-02	8.42E-02	9.16E-02
4809	493363.09	3861377.25	0.06175	8.26E-02	8.69E-02	9.46E-02
4810	493863.09	3861377.25	0.06031	8.07E-02	8.49E-02	9.23E-02
4811	494363.09	3861377.25	0.05621	7.52E-02	7.91E-02	8.61E-02
4812	494863.09	3861377.25	0.0525	7.03E-02	7.39E-02	8.04E-02
4813	495363.09	3861377.25	0.04895	6.55E-02	6.89E-02	7.50E-02
4814	495863.09	3861377.25	0.04547	6.09E-02	6.40E-02	6.96E-02
4815	496363.09	3861377.25	0.04321	5.78E-02	6.08E-02	6.62E-02
4816	496863.09	3861377.25	0.04123	5.52E-02	5.80E-02	6.31E-02
4817	497363.09	3861377.25	0.03875	5.19E-02	5.45E-02	5.93E-02
4818	497863.09	3861377.25	0.0365	4.89E-02	5.14E-02	5.59E-02
4819	498363.09	3861377.25	0.03458	4.63E-02	4.87E-02	5.29E-02
4820	471363.09	3861877.25	0.00743	9.94E-03	1.05E-02	1.14E-02
4821	471863.09	3861877.25	0.00762	1.02E-02	1.07E-02	1.17E-02
4822	472363.09	3861877.25	0.0078	1.04E-02	1.10E-02	1.19E-02
4823	472863.09	3861877.25	0.00801	1.07E-02	1.13E-02	1.23E-02
4824	473363.09	3861877.25	0.00821	1.10E-02	1.16E-02	1.26E-02
4825	473863.09	3861877.25	0.0084	1.12E-02	1.18E-02	1.29E-02
4826	474363.09	3861877.25	0.0086	1.15E-02	1.21E-02	1.32E-02
4827	474863.09	3861877.25	0.00877	1.17E-02	1.23E-02	1.34E-02
4828	475363.09	3861877.25	0.00893	1.20E-02	1.26E-02	1.37E-02
4829	475863.09	3861877.25	0.00908	1.22E-02	1.28E-02	1.39E-02
4830	476363.09	3861877.25	0.00921	1.23E-02	1.30E-02	1.41E-02
4831	476863.09	3861877.25	0.00925	1.24E-02	1.30E-02	1.42E-02
4832	477363.09	3861877.25	0.00922	1.23E-02	1.30E-02	1.41E-02
4833	477863.09	3861877.25	0.00796	1.07E-02	1.12E-02	1.22E-02
4834	478363.09	3861877.25	0.00486	6.50E-03	6.84E-03	7.44E-03
4835	478863.09	3861877.25	0.00692	9.26E-03	9.74E-03	1.06E-02
4836	479363.09	3861877.25	0.00642	8.59E-03	9.03E-03	9.83E-03
4837	479863.09	3861877.25	0.01016	1.36E-02	1.43E-02	1.56E-02
4838	480363.09	3861877.25	0.01098	1.47E-02	1.54E-02	1.68E-02
4839	480863.09	3861877.25	0.0113	1.51E-02	1.59E-02	1.73E-02
4840	481363.09	3861877.25	0.01163	1.56E-02	1.64E-02	1.78E-02
4841	481863.09	3861877.25	0.01204	1.61E-02	1.69E-02	1.84E-02
4842	482363.09	3861877.25	0.01254	1.68E-02	1.76E-02	1.92E-02
4843	482863.09	3861877.25	0.01316	1.76E-02	1.85E-02	2.02E-02
4844	483363.09	3861877.25	0.01392	1.86E-02	1.96E-02	2.13E-02
4845	483863.09	3861877.25	0.01477	1.98E-02	2.08E-02	2.26E-02
4846	484363.09	3861877.25	0.01563	2.09E-02	2.20E-02	2.39E-02
4847	484863.09	3861877.25	0.01661	2.22E-02	2.34E-02	2.54E-02

4848	485363.09	3861877.25	0.01765	2.36E-02	2.48E-02	2.70E-02
4849	485863.09	3861877.25	0.01868	2.50E-02	2.63E-02	2.86E-02
4850	486363.09	3861877.25	0.0202	2.70E-02	2.84E-02	3.09E-02
4851	486863.09	3861877.25	0.02209	2.96E-02	3.11E-02	3.38E-02
4852	487363.09	3861877.25	0.02438	3.26E-02	3.43E-02	3.73E-02
4853	487863.09	3861877.25	0.0267	3.57E-02	3.76E-02	4.09E-02
4854	488363.09	3861877.25	0.02912	3.90E-02	4.10E-02	4.46E-02
4855	488863.09	3861877.25	0.03155	4.22E-02	4.44E-02	4.83E-02
4856	489363.09	3861877.25	0.03331	4.46E-02	4.69E-02	5.10E-02
4857	489863.09	3861877.25	0.03564	4.77E-02	5.01E-02	5.46E-02
4858	490363.09	3861877.25	0.03731	4.99E-02	5.25E-02	5.71E-02
4859	490863.09	3861877.25	0.03867	5.18E-02	5.44E-02	5.92E-02
4860	491363.09	3861877.25	0.03901	5.22E-02	5.49E-02	5.97E-02
4861	491863.09	3861877.25	0.03903	5.22E-02	5.49E-02	5.98E-02
4862	492363.09	3861877.25	0.03864	5.17E-02	5.44E-02	5.92E-02
4863	492863.09	3861877.25	0.0388	5.19E-02	5.46E-02	5.94E-02
4864	493363.09	3861877.25	0.03757	5.03E-02	5.29E-02	5.75E-02
4865	493863.09	3861877.25	0.03695	4.95E-02	5.20E-02	5.66E-02
4866	494363.09	3861877.25	0.0383	5.13E-02	5.39E-02	5.86E-02
4867	494863.09	3861877.25	0.03789	5.07E-02	5.33E-02	5.80E-02
4868	495363.09	3861877.25	0.03608	4.83E-02	5.08E-02	5.52E-02
4869	495863.09	3861877.25	0.03431	4.59E-02	4.83E-02	5.25E-02
4870	496363.09	3861877.25	0.0329	4.40E-02	4.63E-02	5.04E-02
4871	496863.09	3861877.25	0.03287	4.40E-02	4.63E-02	5.03E-02
4872	497363.09	3861877.25	0.03095	4.14E-02	4.35E-02	4.74E-02
4873	497863.09	3861877.25	0.02942	3.94E-02	4.14E-02	4.50E-02
4874	498363.09	3861877.25	0.02822	3.78E-02	3.97E-02	4.32E-02
4875	471363.09	3862377.25	0.00711	9.52E-03	1.00E-02	1.09E-02
4876	471863.09	3862377.25	0.00727	9.73E-03	1.02E-02	1.11E-02
4877	472363.09	3862377.25	0.00745	9.97E-03	1.05E-02	1.14E-02
4878	472863.09	3862377.25	0.00763	1.02E-02	1.07E-02	1.17E-02
4879	473363.09	3862377.25	0.00782	1.05E-02	1.10E-02	1.20E-02
4880	473863.09	3862377.25	0.00801	1.07E-02	1.13E-02	1.23E-02
4881	474363.09	3862377.25	0.00819	1.10E-02	1.15E-02	1.25E-02
4882	474863.09	3862377.25	0.0083	1.11E-02	1.17E-02	1.27E-02
4883	475363.09	3862377.25	0.00845	1.13E-02	1.19E-02	1.29E-02
4884	475863.09	3862377.25	0.00859	1.15E-02	1.21E-02	1.32E-02
4885	476363.09	3862377.25	0.00873	1.17E-02	1.23E-02	1.34E-02
4886	476863.09	3862377.25	0.00889	1.19E-02	1.25E-02	1.36E-02
4887	477363.09	3862377.25	0.00894	1.20E-02	1.26E-02	1.37E-02
4888	477863.09	3862377.25	0.00814	1.09E-02	1.15E-02	1.25E-02
4889	478363.09	3862377.25	0.00707	9.46E-03	9.95E-03	1.08E-02
4890	478863.09	3862377.25	0.00725	9.70E-03	1.02E-02	1.11E-02
4891	479363.09	3862377.25	0.00803	1.07E-02	1.13E-02	1.23E-02
4892	479863.09	3862377.25	0.00992	1.33E-02	1.40E-02	1.52E-02
4893	480363.09	3862377.25	0.0105	1.41E-02	1.48E-02	1.61E-02
4894	480863.09	3862377.25	0.01078	1.44E-02	1.52E-02	1.65E-02
4895	481363.09	3862377.25	0.01115	1.49E-02	1.57E-02	1.71E-02
4896	481863.09	3862377.25	0.0116	1.55E-02	1.63E-02	1.78E-02
4897	482363.09	3862377.25	0.01209	1.62E-02	1.70E-02	1.85E-02
4898	482863.09	3862377.25	0.0126	1.69E-02	1.77E-02	1.93E-02
4899	483363.09	3862377.25	0.01314	1.76E-02	1.85E-02	2.01E-02
4900	483863.09	3862377.25	0.01377	1.84E-02	1.94E-02	2.11E-02
4901	484363.09	3862377.25	0.01454	1.95E-02	2.05E-02	2.23E-02
4902	484863.09	3862377.25	0.0153	2.05E-02	2.15E-02	2.34E-02
4903	485363.09	3862377.25	0.01604	2.15E-02	2.26E-02	2.46E-02
4904	485863.09	3862377.25	0.01698	2.27E-02	2.39E-02	2.60E-02
4905	486363.09	3862377.25	0.01805	2.42E-02	2.54E-02	2.76E-02
4906	486863.09	3862377.25	0.0194	2.60E-02	2.73E-02	2.97E-02
4907	487363.09	3862377.25	0.02096	2.81E-02	2.95E-02	3.21E-02
4908	487863.09	3862377.25	0.02248	3.01E-02	3.16E-02	3.44E-02
4909	488363.09	3862377.25	0.02391	3.20E-02	3.36E-02	3.66E-02
4910	488863.09	3862377.25	0.02539	3.40E-02	3.57E-02	3.89E-02

4911	489363.09	3862377.25	0.02679	3.59E-02	3.77E-02	4.10E-02
4912	489863.09	3862377.25	0.02813	3.76E-02	3.96E-02	4.31E-02
4913	490363.09	3862377.25	0.02914	3.90E-02	4.10E-02	4.46E-02
4914	490863.09	3862377.25	0.02911	3.90E-02	4.10E-02	4.46E-02
4915	491363.09	3862377.25	0.0288	3.85E-02	4.05E-02	4.41E-02
4916	491863.09	3862377.25	0.0282	3.77E-02	3.97E-02	4.32E-02
4917	492363.09	3862377.25	0.02847	3.81E-02	4.01E-02	4.36E-02
4918	492863.09	3862377.25	0.02889	3.87E-02	4.06E-02	4.42E-02
4919	493363.09	3862377.25	0.02867	3.84E-02	4.03E-02	4.39E-02
4920	493863.09	3862377.25	0.02769	3.71E-02	3.90E-02	4.24E-02
4921	494363.09	3862377.25	0.02659	3.56E-02	3.74E-02	4.07E-02
4922	494863.09	3862377.25	0.02719	3.64E-02	3.83E-02	4.16E-02
4923	495363.09	3862377.25	0.02762	3.70E-02	3.89E-02	4.23E-02
4924	495863.09	3862377.25	0.02708	3.62E-02	3.81E-02	4.15E-02
4925	496363.09	3862377.25	0.026	3.48E-02	3.66E-02	3.98E-02
4926	496863.09	3862377.25	0.02538	3.40E-02	3.57E-02	3.89E-02
4927	497363.09	3862377.25	0.02431	3.25E-02	3.42E-02	3.72E-02
4928	497863.09	3862377.25	0.02349	3.14E-02	3.31E-02	3.60E-02
4929	498363.09	3862377.25	0.02265	3.03E-02	3.19E-02	3.47E-02
4930	471363.09	3862877.25	0.00678	9.07E-03	9.54E-03	1.04E-02
4931	471863.09	3862877.25	0.00693	9.28E-03	9.75E-03	1.06E-02
4932	472363.09	3862877.25	0.00709	9.49E-03	9.98E-03	1.09E-02
4933	472863.09	3862877.25	0.00726	9.72E-03	1.02E-02	1.11E-02
4934	473363.09	3862877.25	0.00745	9.97E-03	1.05E-02	1.14E-02
4935	473863.09	3862877.25	0.00763	1.02E-02	1.07E-02	1.17E-02
4936	474363.09	3862877.25	0.00778	1.04E-02	1.09E-02	1.19E-02
4937	474863.09	3862877.25	0.00791	1.06E-02	1.11E-02	1.21E-02
4938	475363.09	3862877.25	0.00804	1.08E-02	1.13E-02	1.23E-02
4939	475863.09	3862877.25	0.00818	1.09E-02	1.15E-02	1.25E-02
4940	476363.09	3862877.25	0.00834	1.12E-02	1.17E-02	1.28E-02
4941	476863.09	3862877.25	0.00851	1.14E-02	1.20E-02	1.30E-02
4942	477363.09	3862877.25	0.00864	1.16E-02	1.22E-02	1.32E-02
4943	477863.09	3862877.25	0.0085	1.14E-02	1.20E-02	1.30E-02
4944	478363.09	3862877.25	0.00759	1.02E-02	1.07E-02	1.16E-02
4945	478863.09	3862877.25	0.00774	1.04E-02	1.09E-02	1.19E-02
4946	479363.09	3862877.25	0.00805	1.08E-02	1.13E-02	1.23E-02
4947	479863.09	3862877.25	0.00978	1.31E-02	1.38E-02	1.50E-02
4948	480363.09	3862877.25	0.01011	1.35E-02	1.42E-02	1.55E-02
4949	480863.09	3862877.25	0.01042	1.39E-02	1.47E-02	1.60E-02
4950	481363.09	3862877.25	0.01077	1.44E-02	1.52E-02	1.65E-02
4951	481863.09	3862877.25	0.01114	1.49E-02	1.57E-02	1.71E-02
4952	482363.09	3862877.25	0.01148	1.54E-02	1.62E-02	1.76E-02
4953	482863.09	3862877.25	0.01186	1.59E-02	1.67E-02	1.82E-02
4954	483363.09	3862877.25	0.01231	1.65E-02	1.73E-02	1.88E-02
4955	483863.09	3862877.25	0.01284	1.72E-02	1.81E-02	1.97E-02
4956	484363.09	3862877.25	0.01342	1.80E-02	1.89E-02	2.05E-02
4957	484863.09	3862877.25	0.01391	1.86E-02	1.96E-02	2.13E-02
4958	485363.09	3862877.25	0.01452	1.94E-02	2.04E-02	2.22E-02
4959	485863.09	3862877.25	0.01523	2.04E-02	2.14E-02	2.33E-02
4960	486363.09	3862877.25	0.01615	2.16E-02	2.27E-02	2.47E-02
4961	486863.09	3862877.25	0.01706	2.28E-02	2.40E-02	2.61E-02
4962	487363.09	3862877.25	0.018	2.41E-02	2.53E-02	2.76E-02
4963	487863.09	3862877.25	0.01904	2.55E-02	2.68E-02	2.92E-02
4964	488363.09	3862877.25	0.02023	2.71E-02	2.85E-02	3.10E-02
4965	488863.09	3862877.25	0.0213	2.85E-02	3.00E-02	3.26E-02
4966	489363.09	3862877.25	0.0221	2.96E-02	3.11E-02	3.38E-02
4967	489863.09	3862877.25	0.02279	3.05E-02	3.21E-02	3.49E-02
4968	490363.09	3862877.25	0.0231	3.09E-02	3.25E-02	3.54E-02
4969	490863.09	3862877.25	0.02291	3.07E-02	3.22E-02	3.51E-02
4970	491363.09	3862877.25	0.02289	3.06E-02	3.22E-02	3.50E-02
4971	491863.09	3862877.25	0.02225	2.98E-02	3.13E-02	3.41E-02
4972	492363.09	3862877.25	0.02243	3.00E-02	3.16E-02	3.43E-02
4973	492863.09	3862877.25	0.02238	3.00E-02	3.15E-02	3.43E-02

4974	493363.09	3862877.25	0.02284	3.06E-02	3.21E-02	3.50E-02
4975	493863.09	3862877.25	0.02277	3.05E-02	3.20E-02	3.49E-02
4976	494363.09	3862877.25	0.02205	2.95E-02	3.10E-02	3.38E-02
4977	494863.09	3862877.25	0.02085	2.79E-02	2.93E-02	3.19E-02
4978	495363.09	3862877.25	0.02063	2.76E-02	2.90E-02	3.16E-02
4979	495863.09	3862877.25	0.02122	2.84E-02	2.99E-02	3.25E-02
4980	496363.09	3862877.25	0.02154	2.88E-02	3.03E-02	3.30E-02
4981	496863.09	3862877.25	0.02111	2.83E-02	2.97E-02	3.23E-02
4982	497363.09	3862877.25	0.02033	2.72E-02	2.86E-02	3.11E-02
4983	497863.09	3862877.25	0.01966	2.63E-02	2.77E-02	3.01E-02
4984	498363.09	3862877.25	0.01919	2.57E-02	2.70E-02	2.94E-02
4985	471363.09	3863377.25	0.00648	8.67E-03	9.12E-03	9.92E-03
4986	471863.09	3863377.25	0.00662	8.86E-03	9.31E-03	1.01E-02
4987	472363.09	3863377.25	0.00678	9.07E-03	9.54E-03	1.04E-02
4988	472863.09	3863377.25	0.00696	9.32E-03	9.79E-03	1.07E-02
4989	473363.09	3863377.25	0.00713	9.54E-03	1.00E-02	1.09E-02
4990	473863.09	3863377.25	0.0073	9.77E-03	1.03E-02	1.12E-02
4991	474363.09	3863377.25	0.00745	9.97E-03	1.05E-02	1.14E-02
4992	474863.09	3863377.25	0.00758	1.01E-02	1.07E-02	1.16E-02
4993	475363.09	3863377.25	0.00772	1.03E-02	1.09E-02	1.18E-02
4994	475863.09	3863377.25	0.00787	1.05E-02	1.11E-02	1.21E-02
4995	476363.09	3863377.25	0.00803	1.07E-02	1.13E-02	1.23E-02
4996	476863.09	3863377.25	0.00819	1.10E-02	1.15E-02	1.25E-02
4997	477363.09	3863377.25	0.00835	1.12E-02	1.17E-02	1.28E-02
4998	477863.09	3863377.25	0.00843	1.13E-02	1.19E-02	1.29E-02
4999	478363.09	3863377.25	0.00817	1.09E-02	1.15E-02	1.25E-02
5000	478863.09	3863377.25	0.00848	1.13E-02	1.19E-02	1.30E-02
5001	479363.09	3863377.25	0.00909	1.22E-02	1.28E-02	1.39E-02
5002	479863.09	3863377.25	0.0095	1.27E-02	1.34E-02	1.45E-02
5003	480363.09	3863377.25	0.00975	1.30E-02	1.37E-02	1.49E-02
5004	480863.09	3863377.25	0.01002	1.34E-02	1.41E-02	1.53E-02
5005	481363.09	3863377.25	0.01026	1.37E-02	1.44E-02	1.57E-02
5006	481863.09	3863377.25	0.0105	1.41E-02	1.48E-02	1.61E-02
5007	482363.09	3863377.25	0.01076	1.44E-02	1.51E-02	1.65E-02
5008	482863.09	3863377.25	0.01104	1.48E-02	1.55E-02	1.69E-02
5009	483363.09	3863377.25	0.0114	1.53E-02	1.60E-02	1.75E-02
5010	483863.09	3863377.25	0.01179	1.58E-02	1.66E-02	1.81E-02
5011	484363.09	3863377.25	0.01219	1.63E-02	1.72E-02	1.87E-02
5012	484863.09	3863377.25	0.01266	1.69E-02	1.78E-02	1.94E-02
5013	485363.09	3863377.25	0.01316	1.76E-02	1.85E-02	2.02E-02
5014	485863.09	3863377.25	0.01372	1.84E-02	1.93E-02	2.10E-02
5015	486363.09	3863377.25	0.01435	1.92E-02	2.02E-02	2.20E-02
5016	486863.09	3863377.25	0.01504	2.01E-02	2.12E-02	2.30E-02
5017	487363.09	3863377.25	0.01577	2.11E-02	2.22E-02	2.41E-02
5018	487863.09	3863377.25	0.01664	2.23E-02	2.34E-02	2.55E-02
5019	488363.09	3863377.25	0.01747	2.34E-02	2.46E-02	2.67E-02
5020	488863.09	3863377.25	0.01822	2.44E-02	2.56E-02	2.79E-02
5021	489363.09	3863377.25	0.01865	2.50E-02	2.62E-02	2.86E-02
5022	489863.09	3863377.25	0.01885	2.52E-02	2.65E-02	2.89E-02
5023	490363.09	3863377.25	0.01892	2.53E-02	2.66E-02	2.90E-02
5024	490863.09	3863377.25	0.01893	2.53E-02	2.66E-02	2.90E-02
5025	491363.09	3863377.25	0.0185	2.48E-02	2.60E-02	2.83E-02
5026	491863.09	3863377.25	0.01828	2.45E-02	2.57E-02	2.80E-02
5027	492363.09	3863377.25	0.01871	2.50E-02	2.63E-02	2.86E-02
5028	492863.09	3863377.25	0.01899	2.54E-02	2.67E-02	2.91E-02
5029	493363.09	3863377.25	0.01923	2.57E-02	2.71E-02	2.94E-02
5030	493863.09	3863377.25	0.01932	2.59E-02	2.72E-02	2.96E-02
5031	494363.09	3863377.25	0.01913	2.56E-02	2.69E-02	2.93E-02
5032	494863.09	3863377.25	0.01865	2.50E-02	2.62E-02	2.86E-02
5033	495363.09	3863377.25	0.0179	2.40E-02	2.52E-02	2.74E-02
5034	495863.09	3863377.25	0.01755	2.35E-02	2.47E-02	2.69E-02
5035	496363.09	3863377.25	0.01727	2.31E-02	2.43E-02	2.64E-02
5036	496863.09	3863377.25	0.0173	2.32E-02	2.43E-02	2.65E-02

5037	497363.09	3863377.25	0.01742	2.33E-02	2.45E-02	2.67E-02
5038	497863.09	3863377.25	0.01715	2.30E-02	2.41E-02	2.63E-02
5039	498363.09	3863377.25	0.01665	2.23E-02	2.34E-02	2.55E-02
5040	471363.09	3863877.25	0.00623	8.34E-03	8.77E-03	9.54E-03
5041	471863.09	3863877.25	0.00637	8.53E-03	8.96E-03	9.75E-03
5042	472363.09	3863877.25	0.00654	8.75E-03	9.20E-03	1.00E-02
5043	472863.09	3863877.25	0.00671	8.98E-03	9.44E-03	1.03E-02
5044	473363.09	3863877.25	0.00688	9.21E-03	9.68E-03	1.05E-02
5045	473863.09	3863877.25	0.00704	9.42E-03	9.91E-03	1.08E-02
5046	474363.09	3863877.25	0.00718	9.61E-03	1.01E-02	1.10E-02
5047	474863.09	3863877.25	0.00731	9.78E-03	1.03E-02	1.12E-02
5048	475363.09	3863877.25	0.00745	9.97E-03	1.05E-02	1.14E-02
5049	475863.09	3863877.25	0.00758	1.01E-02	1.07E-02	1.16E-02
5050	476363.09	3863877.25	0.00772	1.03E-02	1.09E-02	1.18E-02
5051	476863.09	3863877.25	0.00786	1.05E-02	1.11E-02	1.20E-02
5052	477363.09	3863877.25	0.00801	1.07E-02	1.13E-02	1.23E-02
5053	477863.09	3863877.25	0.00817	1.09E-02	1.15E-02	1.25E-02
5054	478363.09	3863877.25	0.00815	1.09E-02	1.15E-02	1.25E-02
5055	478863.09	3863877.25	0.00861	1.15E-02	1.21E-02	1.32E-02
5056	479363.09	3863877.25	0.00892	1.19E-02	1.26E-02	1.37E-02
5057	479863.09	3863877.25	0.00913	1.22E-02	1.28E-02	1.40E-02
5058	480363.09	3863877.25	0.0093	1.24E-02	1.31E-02	1.42E-02
5059	480863.09	3863877.25	0.00947	1.27E-02	1.33E-02	1.45E-02
5060	481363.09	3863877.25	0.00963	1.29E-02	1.35E-02	1.47E-02
5061	481863.09	3863877.25	0.00981	1.31E-02	1.38E-02	1.50E-02
5062	482363.09	3863877.25	0.01001	1.34E-02	1.41E-02	1.53E-02
5063	482863.09	3863877.25	0.01022	1.37E-02	1.44E-02	1.56E-02
5064	483363.09	3863877.25	0.01047	1.40E-02	1.47E-02	1.60E-02
5065	483863.09	3863877.25	0.01079	1.44E-02	1.52E-02	1.65E-02
5066	484363.09	3863877.25	0.01113	1.49E-02	1.57E-02	1.70E-02
5067	484863.09	3863877.25	0.01153	1.54E-02	1.62E-02	1.77E-02
5068	485363.09	3863877.25	0.01192	1.60E-02	1.68E-02	1.83E-02
5069	485863.09	3863877.25	0.01237	1.66E-02	1.74E-02	1.89E-02
5070	486363.09	3863877.25	0.01289	1.73E-02	1.81E-02	1.97E-02
5071	486863.09	3863877.25	0.01348	1.80E-02	1.90E-02	2.06E-02
5072	487363.09	3863877.25	0.01406	1.88E-02	1.98E-02	2.15E-02
5073	487863.09	3863877.25	0.0147	1.97E-02	2.07E-02	2.25E-02
5074	488363.09	3863877.25	0.01531	2.05E-02	2.15E-02	2.34E-02
5075	488863.09	3863877.25	0.01583	2.12E-02	2.23E-02	2.42E-02
5076	489363.09	3863877.25	0.01601	2.14E-02	2.25E-02	2.45E-02
5077	489863.09	3863877.25	0.01601	2.14E-02	2.25E-02	2.45E-02
5078	490363.09	3863877.25	0.01597	2.14E-02	2.25E-02	2.45E-02
5079	490863.09	3863877.25	0.01597	2.14E-02	2.25E-02	2.45E-02
5080	491363.09	3863877.25	0.0157	2.10E-02	2.21E-02	2.40E-02
5081	491863.09	3863877.25	0.0159	2.13E-02	2.24E-02	2.43E-02
5082	492363.09	3863877.25	0.01581	2.12E-02	2.22E-02	2.42E-02
5083	492863.09	3863877.25	0.01476	1.98E-02	2.08E-02	2.26E-02
5084	493363.09	3863877.25	0.01501	2.01E-02	2.11E-02	2.30E-02
5085	493863.09	3863877.25	0.01555	2.08E-02	2.19E-02	2.38E-02
5086	494363.09	3863877.25	0.01617	2.16E-02	2.28E-02	2.48E-02
5087	494863.09	3863877.25	0.01609	2.15E-02	2.26E-02	2.46E-02
5088	495363.09	3863877.25	0.01594	2.13E-02	2.24E-02	2.44E-02
5089	495863.09	3863877.25	0.01517	2.03E-02	2.13E-02	2.32E-02
5090	496363.09	3863877.25	0.0147	1.97E-02	2.07E-02	2.25E-02
5091	496863.09	3863877.25	0.01448	1.94E-02	2.04E-02	2.22E-02
5092	497363.09	3863877.25	0.01457	1.95E-02	2.05E-02	2.23E-02
5093	497863.09	3863877.25	0.01481	1.98E-02	2.08E-02	2.27E-02
5094	498363.09	3863877.25	0.01474	1.97E-02	2.07E-02	2.26E-02
5095	471363.09	3864377.25	0.00603	8.07E-03	8.48E-03	9.23E-03
5096	471863.09	3864377.25	0.00619	8.28E-03	8.71E-03	9.48E-03
5097	472363.09	3864377.25	0.00635	8.50E-03	8.93E-03	9.72E-03
5098	472863.09	3864377.25	0.00651	8.71E-03	9.16E-03	9.97E-03
5099	473363.09	3864377.25	0.00665	8.90E-03	9.36E-03	1.02E-02

5100	473863.09	3864377.25	0.00679	9.09E-03	9.55E-03	1.04E-02
5101	474363.09	3864377.25	0.00692	9.26E-03	9.74E-03	1.06E-02
5102	474863.09	3864377.25	0.00705	9.44E-03	9.92E-03	1.08E-02
5103	475363.09	3864377.25	0.00718	9.61E-03	1.01E-02	1.10E-02
5104	475863.09	3864377.25	0.0073	9.77E-03	1.03E-02	1.12E-02
5105	476363.09	3864377.25	0.00743	9.94E-03	1.05E-02	1.14E-02
5106	476863.09	3864377.25	0.00757	1.01E-02	1.07E-02	1.16E-02
5107	477363.09	3864377.25	0.00771	1.03E-02	1.08E-02	1.18E-02
5108	477863.09	3864377.25	0.00789	1.06E-02	1.11E-02	1.21E-02
5109	478363.09	3864377.25	0.00809	1.08E-02	1.14E-02	1.24E-02
5110	478863.09	3864377.25	0.00832	1.11E-02	1.17E-02	1.27E-02
5111	479363.09	3864377.25	0.00849	1.14E-02	1.19E-02	1.30E-02
5112	479863.09	3864377.25	0.00863	1.16E-02	1.21E-02	1.32E-02
5113	480363.09	3864377.25	0.00875	1.17E-02	1.23E-02	1.34E-02
5114	480863.09	3864377.25	0.00884	1.18E-02	1.24E-02	1.35E-02
5115	481363.09	3864377.25	0.00898	1.20E-02	1.26E-02	1.38E-02
5116	481863.09	3864377.25	0.00913	1.22E-02	1.28E-02	1.40E-02
5117	482363.09	3864377.25	0.00928	1.24E-02	1.31E-02	1.42E-02
5118	482863.09	3864377.25	0.00944	1.26E-02	1.33E-02	1.45E-02
5119	483363.09	3864377.25	0.00961	1.29E-02	1.35E-02	1.47E-02
5120	483863.09	3864377.25	0.00986	1.32E-02	1.39E-02	1.51E-02
5121	484363.09	3864377.25	0.01016	1.36E-02	1.43E-02	1.56E-02
5122	484863.09	3864377.25	0.01046	1.40E-02	1.47E-02	1.60E-02
5123	485363.09	3864377.25	0.01084	1.45E-02	1.53E-02	1.66E-02
5124	485863.09	3864377.25	0.0113	1.51E-02	1.59E-02	1.73E-02
5125	486363.09	3864377.25	0.01178	1.58E-02	1.66E-02	1.80E-02
5126	486863.09	3864377.25	0.01219	1.63E-02	1.72E-02	1.87E-02
5127	487363.09	3864377.25	0.01264	1.69E-02	1.78E-02	1.94E-02
5128	487863.09	3864377.25	0.01314	1.76E-02	1.85E-02	2.01E-02
5129	488363.09	3864377.25	0.01355	1.81E-02	1.91E-02	2.07E-02
5130	488863.09	3864377.25	0.01389	1.86E-02	1.95E-02	2.13E-02
5131	489363.09	3864377.25	0.01397	1.87E-02	1.97E-02	2.14E-02
5132	489863.09	3864377.25	0.01387	1.86E-02	1.95E-02	2.12E-02
5133	490363.09	3864377.25	0.01386	1.86E-02	1.95E-02	2.12E-02
5134	490863.09	3864377.25	0.01391	1.86E-02	1.96E-02	2.13E-02
5135	491363.09	3864377.25	0.01393	1.86E-02	1.96E-02	2.13E-02
5136	491863.09	3864377.25	0.00648	8.67E-03	9.12E-03	9.92E-03
5137	492363.09	3864377.25	0.01067	1.43E-02	1.50E-02	1.63E-02
5138	492863.09	3864377.25	0.00736	9.85E-03	1.04E-02	1.13E-02
5139	493363.09	3864377.25	0.00992	1.33E-02	1.40E-02	1.52E-02
5140	493863.09	3864377.25	0.01208	1.62E-02	1.70E-02	1.85E-02
5141	494363.09	3864377.25	0.01308	1.75E-02	1.84E-02	2.00E-02
5142	494863.09	3864377.25	0.01386	1.86E-02	1.95E-02	2.12E-02
5143	495363.09	3864377.25	0.0139	1.86E-02	1.96E-02	2.13E-02
5144	495863.09	3864377.25	0.01381	1.85E-02	1.94E-02	2.11E-02
5145	496363.09	3864377.25	0.0132	1.77E-02	1.86E-02	2.02E-02
5146	496863.09	3864377.25	0.01274	1.71E-02	1.79E-02	1.95E-02
5147	497363.09	3864377.25	0.01251	1.67E-02	1.76E-02	1.92E-02
5148	497863.09	3864377.25	0.01261	1.69E-02	1.77E-02	1.93E-02
5149	498363.09	3864377.25	0.01269	1.70E-02	1.79E-02	1.94E-02
5150	471363.09	3864877.25	0.00587	7.86E-03	8.26E-03	8.99E-03
5151	471863.09	3864877.25	0.00601	8.04E-03	8.46E-03	9.20E-03
5152	472363.09	3864877.25	0.00616	8.24E-03	8.67E-03	9.43E-03
5153	472863.09	3864877.25	0.00631	8.45E-03	8.88E-03	9.66E-03
5154	473363.09	3864877.25	0.00643	8.61E-03	9.05E-03	9.85E-03
5155	473863.09	3864877.25	0.00655	8.77E-03	9.22E-03	1.00E-02
5156	474363.09	3864877.25	0.00668	8.94E-03	9.40E-03	1.02E-02
5157	474863.09	3864877.25	0.00679	9.09E-03	9.55E-03	1.04E-02
5158	475363.09	3864877.25	0.0069	9.24E-03	9.71E-03	1.06E-02
5159	475863.09	3864877.25	0.00701	9.38E-03	9.86E-03	1.07E-02
5160	476363.09	3864877.25	0.00713	9.54E-03	1.00E-02	1.09E-02
5161	476863.09	3864877.25	0.00729	9.76E-03	1.03E-02	1.12E-02
5162	477363.09	3864877.25	0.00742	9.93E-03	1.04E-02	1.14E-02

5163	477863.09	3864877.25	0.00757	1.01E-02	1.07E-02	1.16E-02
5164	478363.09	3864877.25	0.00772	1.03E-02	1.09E-02	1.18E-02
5165	478863.09	3864877.25	0.00787	1.05E-02	1.11E-02	1.21E-02
5166	479363.09	3864877.25	0.00799	1.07E-02	1.12E-02	1.22E-02
5167	479863.09	3864877.25	0.00808	1.08E-02	1.14E-02	1.24E-02
5168	480363.09	3864877.25	0.00818	1.09E-02	1.15E-02	1.25E-02
5169	480863.09	3864877.25	0.00826	1.11E-02	1.16E-02	1.26E-02
5170	481363.09	3864877.25	0.00838	1.12E-02	1.18E-02	1.28E-02
5171	481863.09	3864877.25	0.00849	1.14E-02	1.19E-02	1.30E-02
5172	482363.09	3864877.25	0.00859	1.15E-02	1.21E-02	1.32E-02
5173	482863.09	3864877.25	0.00869	1.16E-02	1.22E-02	1.33E-02
5174	483363.09	3864877.25	0.00882	1.18E-02	1.24E-02	1.35E-02
5175	483863.09	3864877.25	0.00902	1.21E-02	1.27E-02	1.38E-02
5176	484363.09	3864877.25	0.00932	1.25E-02	1.31E-02	1.43E-02
5177	484863.09	3864877.25	0.00965	1.29E-02	1.36E-02	1.48E-02
5178	485363.09	3864877.25	0.01006	1.35E-02	1.42E-02	1.54E-02
5179	485863.09	3864877.25	0.01044	1.40E-02	1.47E-02	1.60E-02
5180	486363.09	3864877.25	0.01078	1.44E-02	1.52E-02	1.65E-02
5181	486863.09	3864877.25	0.01108	1.48E-02	1.56E-02	1.70E-02
5182	487363.09	3864877.25	0.01145	1.53E-02	1.61E-02	1.75E-02
5183	487863.09	3864877.25	0.01182	1.58E-02	1.66E-02	1.81E-02
5184	488363.09	3864877.25	0.01209	1.62E-02	1.70E-02	1.85E-02
5185	488863.09	3864877.25	0.0123	1.65E-02	1.73E-02	1.88E-02
5186	489363.09	3864877.25	0.01233	1.65E-02	1.73E-02	1.89E-02
5187	489863.09	3864877.25	0.01222	1.64E-02	1.72E-02	1.87E-02
5188	490363.09	3864877.25	0.01224	1.64E-02	1.72E-02	1.87E-02
5189	490863.09	3864877.25	0.01161	1.55E-02	1.63E-02	1.78E-02
5190	491363.09	3864877.25	0.01223	1.64E-02	1.72E-02	1.87E-02
5191	491863.09	3864877.25	0.01102	1.47E-02	1.55E-02	1.69E-02
5192	492363.09	3864877.25	0.00459	6.14E-03	6.46E-03	7.03E-03
5193	492863.09	3864877.25	0.00557	7.46E-03	7.84E-03	8.53E-03
5194	493363.09	3864877.25	0.00544	7.28E-03	7.65E-03	8.33E-03
5195	493863.09	3864877.25	0.0095	1.27E-02	1.34E-02	1.45E-02
5196	494363.09	3864877.25	0.01121	1.50E-02	1.58E-02	1.72E-02
5197	494863.09	3864877.25	0.01164	1.56E-02	1.64E-02	1.78E-02
5198	495363.09	3864877.25	0.01214	1.62E-02	1.71E-02	1.86E-02
5199	495863.09	3864877.25	0.0122	1.63E-02	1.72E-02	1.87E-02
5200	496363.09	3864877.25	0.01217	1.63E-02	1.71E-02	1.86E-02
5201	496863.09	3864877.25	0.01167	1.56E-02	1.64E-02	1.79E-02
5202	497363.09	3864877.25	0.01123	1.50E-02	1.58E-02	1.72E-02
5203	497863.09	3864877.25	0.01105	1.48E-02	1.55E-02	1.69E-02
5204	498363.09	3864877.25	0.01095	1.47E-02	1.54E-02	1.68E-02
5205	471363.09	3865377.25	0.00571	7.64E-03	8.03E-03	8.74E-03
5206	471863.09	3865377.25	0.00584	7.82E-03	8.22E-03	8.94E-03
5207	472363.09	3865377.25	0.00597	7.99E-03	8.40E-03	9.14E-03
5208	472863.09	3865377.25	0.0061	8.16E-03	8.58E-03	9.34E-03
5209	473363.09	3865377.25	0.0062	8.30E-03	8.72E-03	9.49E-03
5210	473863.09	3865377.25	0.00631	8.45E-03	8.88E-03	9.66E-03
5211	474363.09	3865377.25	0.00642	8.59E-03	9.03E-03	9.83E-03
5212	474863.09	3865377.25	0.00654	8.75E-03	9.20E-03	1.00E-02
5213	475363.09	3865377.25	0.00663	8.87E-03	9.33E-03	1.02E-02
5214	475863.09	3865377.25	0.00674	9.02E-03	9.48E-03	1.03E-02
5215	476363.09	3865377.25	0.00691	9.25E-03	9.72E-03	1.06E-02
5216	476863.09	3865377.25	0.0069	9.24E-03	9.71E-03	1.06E-02
5217	477363.09	3865377.25	0.00713	9.54E-03	1.00E-02	1.09E-02
5218	477863.09	3865377.25	0.0072	9.64E-03	1.01E-02	1.10E-02
5219	478363.09	3865377.25	0.00731	9.78E-03	1.03E-02	1.12E-02
5220	478863.09	3865377.25	0.00741	9.92E-03	1.04E-02	1.13E-02
5221	479363.09	3865377.25	0.00749	1.00E-02	1.05E-02	1.15E-02
5222	479863.09	3865377.25	0.00759	1.02E-02	1.07E-02	1.16E-02
5223	480363.09	3865377.25	0.00764	1.02E-02	1.07E-02	1.17E-02
5224	480863.09	3865377.25	0.00772	1.03E-02	1.09E-02	1.18E-02
5225	481363.09	3865377.25	0.00781	1.05E-02	1.10E-02	1.20E-02

5226	481863.09	3865377.25	0.00788	1.05E-02	1.11E-02	1.21E-02
5227	482363.09	3865377.25	0.00793	1.06E-02	1.12E-02	1.21E-02
5228	482863.09	3865377.25	0.008	1.07E-02	1.13E-02	1.22E-02
5229	483363.09	3865377.25	0.00814	1.09E-02	1.15E-02	1.25E-02
5230	483863.09	3865377.25	0.00838	1.12E-02	1.18E-02	1.28E-02
5231	484363.09	3865377.25	0.00868	1.16E-02	1.22E-02	1.33E-02
5232	484863.09	3865377.25	0.00902	1.21E-02	1.27E-02	1.38E-02
5233	485363.09	3865377.25	0.00936	1.25E-02	1.32E-02	1.43E-02
5234	485863.09	3865377.25	0.00966	1.29E-02	1.36E-02	1.48E-02
5235	486363.09	3865377.25	0.00992	1.33E-02	1.40E-02	1.52E-02
5236	486863.09	3865377.25	0.01016	1.36E-02	1.43E-02	1.56E-02
5237	487363.09	3865377.25	0.01045	1.40E-02	1.47E-02	1.60E-02
5238	487863.09	3865377.25	0.01068	1.43E-02	1.50E-02	1.64E-02
5239	488363.09	3865377.25	0.01087	1.45E-02	1.53E-02	1.66E-02
5240	488863.09	3865377.25	0.01102	1.47E-02	1.55E-02	1.69E-02
5241	489363.09	3865377.25	0.01103	1.48E-02	1.55E-02	1.69E-02
5242	489863.09	3865377.25	0.01104	1.48E-02	1.55E-02	1.69E-02
5243	490363.09	3865377.25	0.0107	1.43E-02	1.51E-02	1.64E-02
5244	490863.09	3865377.25	0.01021	1.37E-02	1.44E-02	1.56E-02
5245	491363.09	3865377.25	0.00989	1.32E-02	1.39E-02	1.51E-02
5246	491863.09	3865377.25	0.00981	1.31E-02	1.38E-02	1.50E-02
5247	492363.09	3865377.25	0.00781	1.05E-02	1.10E-02	1.20E-02
5248	492863.09	3865377.25	0.00608	8.14E-03	8.55E-03	9.31E-03
5249	493363.09	3865377.25	0.0051	6.83E-03	7.18E-03	7.81E-03
5250	493863.09	3865377.25	0.00689	9.22E-03	9.69E-03	1.05E-02
5251	494363.09	3865377.25	0.00904	1.21E-02	1.27E-02	1.38E-02
5252	494863.09	3865377.25	0.00995	1.33E-02	1.40E-02	1.52E-02
5253	495363.09	3865377.25	0.01037	1.39E-02	1.46E-02	1.59E-02
5254	495863.09	3865377.25	0.01084	1.45E-02	1.53E-02	1.66E-02
5255	496363.09	3865377.25	0.01077	1.44E-02	1.52E-02	1.65E-02
5256	496863.09	3865377.25	0.01074	1.44E-02	1.51E-02	1.64E-02
5257	497363.09	3865377.25	0.01045	1.40E-02	1.47E-02	1.60E-02
5258	497863.09	3865377.25	0.01004	1.34E-02	1.41E-02	1.54E-02
5259	498363.09	3865377.25	0.00987	1.32E-02	1.39E-02	1.51E-02
5260	471363.09	3865877.25	0.00554	7.41E-03	7.80E-03	8.48E-03
5261	471863.09	3865877.25	0.00565	7.56E-03	7.95E-03	8.65E-03
5262	472363.09	3865877.25	0.00578	7.74E-03	8.13E-03	8.85E-03
5263	472863.09	3865877.25	0.00586	7.84E-03	8.25E-03	8.97E-03
5264	473363.09	3865877.25	0.00596	7.98E-03	8.39E-03	9.13E-03
5265	473863.09	3865877.25	0.00608	8.14E-03	8.55E-03	9.31E-03
5266	474363.09	3865877.25	0.00619	8.28E-03	8.71E-03	9.48E-03
5267	474863.09	3865877.25	0.0063	8.43E-03	8.86E-03	9.65E-03
5268	475363.09	3865877.25	0.00639	8.55E-03	8.99E-03	9.78E-03
5269	475863.09	3865877.25	0.00649	8.69E-03	9.13E-03	9.94E-03
5270	476363.09	3865877.25	0.00664	8.89E-03	9.34E-03	1.02E-02
5271	476863.09	3865877.25	0.00656	8.78E-03	9.23E-03	1.00E-02
5272	477363.09	3865877.25	0.00679	9.09E-03	9.55E-03	1.04E-02
5273	477863.09	3865877.25	0.00683	9.14E-03	9.61E-03	1.05E-02
5274	478363.09	3865877.25	0.00691	9.25E-03	9.72E-03	1.06E-02
5275	478863.09	3865877.25	0.00699	9.36E-03	9.84E-03	1.07E-02
5276	479363.09	3865877.25	0.00706	9.45E-03	9.93E-03	1.08E-02
5277	479863.09	3865877.25	0.00711	9.52E-03	1.00E-02	1.09E-02
5278	480363.09	3865877.25	0.00715	9.57E-03	1.01E-02	1.09E-02
5279	480863.09	3865877.25	0.00721	9.65E-03	1.01E-02	1.10E-02
5280	481363.09	3865877.25	0.00726	9.72E-03	1.02E-02	1.11E-02
5281	481863.09	3865877.25	0.00729	9.76E-03	1.03E-02	1.12E-02
5282	482363.09	3865877.25	0.00735	9.84E-03	1.03E-02	1.13E-02
5283	482863.09	3865877.25	0.00746	9.98E-03	1.05E-02	1.14E-02
5284	483363.09	3865877.25	0.00764	1.02E-02	1.07E-02	1.17E-02
5285	483863.09	3865877.25	0.00788	1.05E-02	1.11E-02	1.21E-02
5286	484363.09	3865877.25	0.00815	1.09E-02	1.15E-02	1.25E-02
5287	484863.09	3865877.25	0.00843	1.13E-02	1.19E-02	1.29E-02
5288	485363.09	3865877.25	0.00871	1.17E-02	1.23E-02	1.33E-02

5289	485863.09	3865877.25	0.00897	1.20E-02	1.26E-02	1.37E-02
5290	486363.09	3865877.25	0.00917	1.23E-02	1.29E-02	1.40E-02
5291	486863.09	3865877.25	0.00936	1.25E-02	1.32E-02	1.43E-02
5292	487363.09	3865877.25	0.00956	1.28E-02	1.35E-02	1.46E-02
5293	487863.09	3865877.25	0.00974	1.30E-02	1.37E-02	1.49E-02
5294	488363.09	3865877.25	0.00985	1.32E-02	1.39E-02	1.51E-02
5295	488863.09	3865877.25	0.00996	1.33E-02	1.40E-02	1.53E-02
5296	489363.09	3865877.25	0.00999	1.34E-02	1.41E-02	1.53E-02
5297	489863.09	3865877.25	0.01001	1.34E-02	1.41E-02	1.53E-02
5298	490363.09	3865877.25	0.01	1.34E-02	1.41E-02	1.53E-02
5299	490863.09	3865877.25	0.00946	1.27E-02	1.33E-02	1.45E-02
5300	491363.09	3865877.25	0.00879	1.18E-02	1.24E-02	1.35E-02
5301	491863.09	3865877.25	0.00853	1.14E-02	1.20E-02	1.31E-02
5302	492363.09	3865877.25	0.00808	1.08E-02	1.14E-02	1.24E-02
5303	492863.09	3865877.25	0.00612	8.19E-03	8.61E-03	9.37E-03
5304	493363.09	3865877.25	0.00598	8.00E-03	8.41E-03	9.16E-03
5305	493863.09	3865877.25	0.00681	9.11E-03	9.58E-03	1.04E-02
5306	494363.09	3865877.25	0.00788	1.05E-02	1.11E-02	1.21E-02
5307	494863.09	3865877.25	0.00921	1.23E-02	1.30E-02	1.41E-02
5308	495363.09	3865877.25	0.00928	1.24E-02	1.31E-02	1.42E-02
5309	495863.09	3865877.25	0.00935	1.25E-02	1.32E-02	1.43E-02
5310	496363.09	3865877.25	0.00939	1.26E-02	1.32E-02	1.44E-02
5311	496863.09	3865877.25	0.00928	1.24E-02	1.31E-02	1.42E-02
5312	497363.09	3865877.25	0.00958	1.28E-02	1.35E-02	1.47E-02
5313	497863.09	3865877.25	0.00934	1.25E-02	1.31E-02	1.43E-02
5314	498363.09	3865877.25	0.00871	1.17E-02	1.23E-02	1.33E-02
5315	471363.09	3866377.25	0.00535	7.16E-03	7.53E-03	8.19E-03
5316	471863.09	3866377.25	0.00547	7.32E-03	7.70E-03	8.38E-03
5317	472363.09	3866377.25	0.00557	7.46E-03	7.84E-03	8.53E-03
5318	472863.09	3866377.25	0.00564	7.55E-03	7.94E-03	8.64E-03
5319	473363.09	3866377.25	0.00575	7.70E-03	8.09E-03	8.80E-03
5320	473863.09	3866377.25	0.00586	7.84E-03	8.25E-03	8.97E-03
5321	474363.09	3866377.25	0.00596	7.98E-03	8.39E-03	9.13E-03
5322	474863.09	3866377.25	0.00607	8.12E-03	8.54E-03	9.29E-03
5323	475363.09	3866377.25	0.00614	8.22E-03	8.64E-03	9.40E-03
5324	475863.09	3866377.25	0.0062	8.30E-03	8.72E-03	9.49E-03
5325	476363.09	3866377.25	0.00633	8.47E-03	8.91E-03	9.69E-03
5326	476863.09	3866377.25	0.00615	8.23E-03	8.65E-03	9.42E-03
5327	477363.09	3866377.25	0.00639	8.55E-03	8.99E-03	9.78E-03
5328	477863.09	3866377.25	0.00648	8.67E-03	9.12E-03	9.92E-03
5329	478363.09	3866377.25	0.00652	8.73E-03	9.17E-03	9.98E-03
5330	478863.09	3866377.25	0.00659	8.82E-03	9.27E-03	1.01E-02
5331	479363.09	3866377.25	0.00666	8.91E-03	9.37E-03	1.02E-02
5332	479863.09	3866377.25	0.00671	8.98E-03	9.44E-03	1.03E-02
5333	480363.09	3866377.25	0.00674	9.02E-03	9.48E-03	1.03E-02
5334	480863.09	3866377.25	0.00675	9.03E-03	9.50E-03	1.03E-02
5335	481363.09	3866377.25	0.00679	9.09E-03	9.55E-03	1.04E-02
5336	481863.09	3866377.25	0.00683	9.14E-03	9.61E-03	1.05E-02
5337	482363.09	3866377.25	0.00692	9.26E-03	9.74E-03	1.06E-02
5338	482863.09	3866377.25	0.00706	9.45E-03	9.93E-03	1.08E-02
5339	483363.09	3866377.25	0.00722	9.66E-03	1.02E-02	1.11E-02
5340	483863.09	3866377.25	0.00742	9.93E-03	1.04E-02	1.14E-02
5341	484363.09	3866377.25	0.00764	1.02E-02	1.07E-02	1.17E-02
5342	484863.09	3866377.25	0.00791	1.06E-02	1.11E-02	1.21E-02
5343	485363.09	3866377.25	0.00814	1.09E-02	1.15E-02	1.25E-02
5344	485863.09	3866377.25	0.00834	1.12E-02	1.17E-02	1.28E-02
5345	486363.09	3866377.25	0.0085	1.14E-02	1.20E-02	1.30E-02
5346	486863.09	3866377.25	0.00866	1.16E-02	1.22E-02	1.33E-02
5347	487363.09	3866377.25	0.00893	1.20E-02	1.26E-02	1.37E-02
5348	487863.09	3866377.25	0.00907	1.21E-02	1.28E-02	1.39E-02
5349	488363.09	3866377.25	0.00916	1.23E-02	1.29E-02	1.40E-02
5350	488863.09	3866377.25	0.00908	1.22E-02	1.28E-02	1.39E-02
5351	489363.09	3866377.25	0.0089	1.19E-02	1.25E-02	1.36E-02

5352	489863.09	3866377.25	0.00854	1.14E-02	1.20E-02	1.31E-02
5353	490363.09	3866377.25	0.00906	1.21E-02	1.27E-02	1.39E-02
5354	490863.09	3866377.25	0.00898	1.20E-02	1.26E-02	1.38E-02
5355	491363.09	3866377.25	0.0088	1.18E-02	1.24E-02	1.35E-02
5356	491863.09	3866377.25	0.00741	9.92E-03	1.04E-02	1.13E-02
5357	492363.09	3866377.25	0.00752	1.01E-02	1.06E-02	1.15E-02
5358	492863.09	3866377.25	0.00664	8.89E-03	9.34E-03	1.02E-02
5359	493363.09	3866377.25	0.00694	9.29E-03	9.76E-03	1.06E-02
5360	493863.09	3866377.25	0.00737	9.86E-03	1.04E-02	1.13E-02
5361	494363.09	3866377.25	0.00801	1.07E-02	1.13E-02	1.23E-02
5362	494863.09	3866377.25	0.00797	1.07E-02	1.12E-02	1.22E-02
5363	495363.09	3866377.25	0.0079	1.06E-02	1.11E-02	1.21E-02
5364	495863.09	3866377.25	0.00781	1.05E-02	1.10E-02	1.20E-02
5365	496363.09	3866377.25	0.00795	1.06E-02	1.12E-02	1.22E-02
5366	496863.09	3866377.25	0.00785	1.05E-02	1.10E-02	1.20E-02
5367	497363.09	3866377.25	0.00803	1.07E-02	1.13E-02	1.23E-02
5368	497863.09	3866377.25	0.00837	1.12E-02	1.18E-02	1.28E-02
5369	498363.09	3866377.25	0.0073	9.77E-03	1.03E-02	1.12E-02
5370	474494.92	3848334.16	2.72846	3.65E+00	3.84E+00	4.18E+00
5371	475167.27	3848920.79	3.0253	4.05E+00	4.26E+00	4.63E+00
5372	475297.89	3848997.96	3.10419	4.15E+00	4.37E+00	4.75E+00
5373	475439.05	3849062	3.08867	4.13E+00	4.35E+00	4.73E+00
5374	475486.86	3849061.09	2.41423	3.23E+00	3.40E+00	3.70E+00
5375	475538.46	3849075.56	2.3871	3.19E+00	3.36E+00	3.66E+00
5376	475751.79	3849137.15	3.19524	4.28E+00	4.50E+00	4.89E+00
5377	476303.62	3849223.38	3.64612	4.88E+00	5.13E+00	5.58E+00
5378	476304.51	3849238.92	3.47758	4.65E+00	4.89E+00	5.32E+00
5379	476365.04	3849247.98	3.40283	4.55E+00	4.79E+00	5.21E+00
5380	476444.86	3849267.13	3.49953	4.68E+00	4.92E+00	5.36E+00
5381	476550.75	3849300.66	3.73853	5.00E+00	5.26E+00	5.72E+00
5382	476656.71	3849346.88	3.82704	5.12E+00	5.38E+00	5.86E+00
5383	476873.55	3849454.53	3.49612	4.68E+00	4.92E+00	5.35E+00
5384	477700	3849859.7	2.46885	3.30E+00	3.47E+00	3.78E+00
5385	477743.16	3849856.38	3.46297	4.63E+00	4.87E+00	5.30E+00
5386	478477.35	3850216.33	3.2154	4.30E+00	4.52E+00	4.92E+00
5387	478485.8	3850201.6	2.98559	4.00E+00	4.20E+00	4.57E+00
5388	479113.21	3850501.53	2.77732	3.72E+00	3.91E+00	4.25E+00
5389	479108.11	3850382.28	1.36142	1.82E+00	1.92E+00	2.08E+00
5390	479689.85	3850674.28	1.44468	1.93E+00	2.03E+00	2.21E+00
5391	479952.42	3850774.28	1.2899	1.73E+00	1.81E+00	1.98E+00
5392	479911.32	3850884.85	2.80908	3.76E+00	3.95E+00	4.30E+00
5393	480500.92	3851178.12	3.012	4.03E+00	4.24E+00	4.61E+00
5394	480738.01	3851289.27	2.88573	3.86E+00	4.06E+00	4.42E+00
5395	481055.42	3851443.58	2.88236	3.86E+00	4.06E+00	4.41E+00
5396	481110.22	3851443.15	2.23307	2.99E+00	3.14E+00	3.42E+00
5397	481111.1	3851417.45	1.88383	2.52E+00	2.65E+00	2.88E+00
5398	482248.44	3852605.09	2.75229	3.68E+00	3.87E+00	4.21E+00
5399	482273.34	3852632.31	2.84403	3.81E+00	4.00E+00	4.35E+00
5400	482665.46	3853038.72	2.35639	3.15E+00	3.32E+00	3.61E+00
5401	483077.95	3853844.31	0.11546	1.55E-01	1.62E-01	1.77E-01
5402	483121.38	3853909.38	0.10278	1.38E-01	1.45E-01	1.57E-01
5403	483492.64	3853911.49	0.10158	1.36E-01	1.43E-01	1.56E-01
5404	483498.29	3854204.73	0.07133	9.55E-02	1.00E-01	1.09E-01
5405	484132.44	3854662.55	0.04203	5.63E-02	5.91E-02	6.44E-02
5406	484627.62	3854876.13	0.0406	5.43E-02	5.71E-02	6.22E-02
5407	484756.14	3854949.04	0.04012	5.37E-02	5.65E-02	6.14E-02
5408	486697.51	3856599.17	0.02664	3.57E-02	3.75E-02	4.08E-02
5409	487105.31	3856962.27	0.02709	3.63E-02	3.81E-02	4.15E-02
5410	487157.57	3856901.7	0.02756	3.69E-02	3.88E-02	4.22E-02
5411	487173.5	3856853.74	0.02758	3.69E-02	3.88E-02	4.22E-02
5412	487564.41	3856860.83	0.02754	3.69E-02	3.88E-02	4.22E-02
5413	487563.31	3856931.58	0.02776	3.72E-02	3.91E-02	4.25E-02
5414	487782.7	3856926.85	0.02801	3.75E-02	3.94E-02	4.29E-02

5415	487782.39	3856757.07	0.02767	3.70E-02	3.89E-02	4.24E-02
5416	487917.26	3856752.41	0.02781	3.72E-02	3.91E-02	4.26E-02
5417	487919.57	3856953.35	0.02837	3.80E-02	3.99E-02	4.34E-02
5418	487932.76	3857000.32	0.02845	3.81E-02	4.00E-02	4.36E-02
5419	487960.5	3857044.75	0.02861	3.83E-02	4.03E-02	4.38E-02
5420	488016.54	3857089.54	0.02882	3.86E-02	4.06E-02	4.41E-02
5421	488114.39	3857165.47	0.0293	3.92E-02	4.12E-02	4.49E-02
5422	488171.49	3857234.24	0.02983	3.99E-02	4.20E-02	4.57E-02
5423	488193.16	3857297.8	0.03042	4.07E-02	4.28E-02	4.66E-02
5424	488189.27	3857649.94	0.03459	4.63E-02	4.87E-02	5.30E-02
5425	488127.43	3857732.32	0.03544	4.74E-02	4.99E-02	5.43E-02
5426	488149.93	3857752.94	0.03581	4.79E-02	5.04E-02	5.48E-02
5427	488144.76	3857758.71	0.03585	4.80E-02	5.04E-02	5.49E-02
5428	488335.58	3857932.55	0.04117	5.51E-02	5.79E-02	6.30E-02
5429	488372.29	3857943.79	0.04179	5.59E-02	5.88E-02	6.40E-02
5430	488828.64	3857936.4	0.04344	5.81E-02	6.11E-02	6.65E-02
5431	488829.08	3857959.58	0.0441	5.90E-02	6.21E-02	6.75E-02
5432	488351.61	3857964.55	0.04222	5.65E-02	5.94E-02	6.46E-02
5433	488316.87	3857947.65	0.0414	5.54E-02	5.83E-02	6.34E-02
5434	488129.1	3857775.77	0.036	4.82E-02	5.07E-02	5.51E-02
5435	488062.53	3857846.13	0.03659	4.90E-02	5.15E-02	5.60E-02
5436	488330.41	3858091.34	0.04412	5.91E-02	6.21E-02	6.76E-02
5437	488470.87	3858174.45	0.05093	6.82E-02	7.17E-02	7.80E-02
5438	488568.9	3858262.31	0.05701	7.63E-02	8.02E-02	8.73E-02
5439	488964.27	3858025.71	0.04644	6.22E-02	6.53E-02	7.11E-02
5440	489147.25	3857956.64	0.04309	5.77E-02	6.06E-02	6.60E-02
5441	489343.52	3857932.45	0.03988	5.34E-02	5.61E-02	6.11E-02
5442	489866.19	3857923.19	0.03649	4.88E-02	5.13E-02	5.59E-02
5443	489955.65	3857902.27	0.0354	4.74E-02	4.98E-02	5.42E-02
5444	490079.44	3857847.9	0.03452	4.62E-02	4.86E-02	5.29E-02
5445	490108.49	3857934.13	0.03637	4.87E-02	5.12E-02	5.57E-02
5446	489884.48	3858014.17	0.03923	5.25E-02	5.52E-02	6.01E-02
5447	489326.56	3858025.86	0.04342	5.81E-02	6.11E-02	6.65E-02
5448	489130.38	3858056.71	0.04624	6.19E-02	6.51E-02	7.08E-02
5449	488936.49	3858143.93	0.05137	6.88E-02	7.23E-02	7.87E-02
5450	488638.08	3858327.45	0.06198	8.30E-02	8.72E-02	9.49E-02
5451	488663.79	3858349.57	0.06396	8.56E-02	9.00E-02	9.79E-02
5452	488694.56	3858349.5	0.06428	8.60E-02	9.04E-02	9.84E-02
5453	488694.35	3858336.75	0.06323	8.46E-02	8.90E-02	9.68E-02
5454	488712.81	3858336.38	0.06337	8.48E-02	8.92E-02	9.70E-02
5455	488713.23	3858367.46	0.06603	8.84E-02	9.29E-02	1.01E-01
5456	488704.63	3858384.05	0.06743	9.02E-02	9.49E-02	1.03E-01
5457	488604.15	3858488.29	0.07808	1.05E-01	1.10E-01	1.20E-01
5458	488605.66	3858550.47	0.08672	1.16E-01	1.22E-01	1.33E-01
5459	488692.68	3858548.71	0.08976	1.20E-01	1.26E-01	1.37E-01
5460	488759.93	3858461.81	0.07655	1.02E-01	1.08E-01	1.17E-01
5461	488816.57	3858541.79	0.0881	1.18E-01	1.24E-01	1.35E-01
5462	488944.63	3858656.77	0.12106	1.62E-01	1.70E-01	1.85E-01
5463	489134.91	3858830.7	0.39285	5.26E-01	5.53E-01	6.02E-01
5464	489193.99	3858886.05	0.62098	8.31E-01	8.74E-01	9.51E-01
5465	489295.2	3858954.34	0.82857	1.11E+00	1.17E+00	1.27E+00
5466	489295.64	3858992.74	1.05101	1.41E+00	1.48E+00	1.61E+00
5467	489183.74	3858911.72	0.79058	1.06E+00	1.11E+00	1.21E+00
5468	488873.37	3858625.59	0.10943	1.46E-01	1.54E-01	1.68E-01
5469	488842.84	3858658.69	0.1238	1.66E-01	1.74E-01	1.90E-01
5470	488856.39	3858670.93	0.12919	1.73E-01	1.82E-01	1.98E-01
5471	488805.7	3858724.5	0.15619	2.09E-01	2.20E-01	2.39E-01
5472	488805.87	3858804.16	0.24231	3.24E-01	3.41E-01	3.71E-01
5473	488995.78	3858936.96	2.23136	2.99E+00	3.14E+00	3.42E+00
5474	489130.76	3859017.38	2.50405	3.35E+00	3.52E+00	3.83E+00
5475	489130.92	3859052.24	2.20816	2.96E+00	3.11E+00	3.38E+00
5476	489200.33	3859090.6	2.81099	3.76E+00	3.96E+00	4.30E+00
5477	489296.07	3859143.7	3.02843	4.05E+00	4.26E+00	4.64E+00

5478	489296.43	3858954.74	0.82834	1.11E+00	1.17E+00	1.27E+00
5479	489410.33	3859033.19	0.98357	1.32E+00	1.38E+00	1.51E+00
5480	489371.37	3859089.8	1.51439	2.03E+00	2.13E+00	2.32E+00
5481	489390.52	3859102.82	1.54534	2.07E+00	2.17E+00	2.37E+00
5482	489382.3	3859114.53	1.72396	2.31E+00	2.43E+00	2.64E+00
5483	489363.04	3859102.45	1.69877	2.27E+00	2.39E+00	2.60E+00
5484	489337.52	3859140.71	2.61678	3.50E+00	3.68E+00	4.01E+00
5485	489375.14	3859164.55	2.76314	3.70E+00	3.89E+00	4.23E+00
5486	489409.3	3859114.5	1.56746	2.10E+00	2.21E+00	2.40E+00
5487	489434.87	3859131.81	1.61629	2.16E+00	2.27E+00	2.47E+00
5488	489471.87	3859075.75	1.05378	1.41E+00	1.48E+00	1.61E+00
5489	489602.62	3859164.69	1.20708	1.62E+00	1.70E+00	1.85E+00
5490	489558.29	3859232.45	2.144	2.87E+00	3.02E+00	3.28E+00
5491	489620.11	3859273.56	2.30556	3.09E+00	3.24E+00	3.53E+00
5492	489666.06	3859206.42	1.27554	1.71E+00	1.79E+00	1.95E+00
5493	489787.9	3859285.65	1.39773	1.87E+00	1.97E+00	2.14E+00
5494	489752.17	3859343.13	2.29909	3.08E+00	3.23E+00	3.52E+00
5495	489814.94	3859385.33	2.47983	3.32E+00	3.49E+00	3.80E+00
5496	489853.42	3859330.74	1.48429	1.99E+00	2.09E+00	2.27E+00
5497	489969.5	3859401.91	1.57487	2.11E+00	2.22E+00	2.41E+00
5498	490166.91	3859486.96	1.46239	1.96E+00	2.06E+00	2.24E+00
5499	490128.86	3859571.46	3.39703	4.55E+00	4.78E+00	5.20E+00
5500	490186.65	3859593.65	3.45487	4.62E+00	4.86E+00	5.29E+00
5501	490223.74	3859517.48	1.51407	2.03E+00	2.13E+00	2.32E+00
5502	490846.34	3859817.22	2.24267	3.00E+00	3.16E+00	3.43E+00
5503	490925.65	3859844.59	2.07905	2.78E+00	2.93E+00	3.18E+00
5504	491159.29	3859896.28	1.51018	2.02E+00	2.12E+00	2.31E+00
5505	491370.69	3859960.89	1.13215	1.52E+00	1.59E+00	1.73E+00
5506	491330.28	3860063.17	1.78721	2.39E+00	2.51E+00	2.74E+00
5507	491636.45	3860180.75	1.13567	1.52E+00	1.60E+00	1.74E+00
5508	491617.94	3860203.93	1.28264	1.72E+00	1.80E+00	1.96E+00
5509	491805.68	3860271.59	0.99976	1.34E+00	1.41E+00	1.53E+00
5510	491654.23	3860414.02	1.73624	2.32E+00	2.44E+00	2.66E+00
5511	491592.62	3860510.76	0.59378	7.95E-01	8.35E-01	9.09E-01
5512	491475.41	3860368.93	0.91374	1.22E+00	1.29E+00	1.40E+00
5513	491445.61	3860337.28	1.00101	1.34E+00	1.41E+00	1.53E+00
5514	491399.05	3860300.37	1.0497	1.40E+00	1.48E+00	1.61E+00
5515	491228.84	3860235.98	0.70954	9.50E-01	9.98E-01	1.09E+00
5516	491228.47	3860174.57	1.11872	1.50E+00	1.57E+00	1.71E+00
5517	491145.77	3860112.55	1.14965	1.54E+00	1.62E+00	1.76E+00
5518	490844.41	3859966.22	1.09498	1.47E+00	1.54E+00	1.68E+00
5519	490845.55	3859928.15	1.74093	2.33E+00	2.45E+00	2.67E+00
5520	490046.91	3859625.6	1.33778	1.79E+00	1.88E+00	2.05E+00
5521	489970.48	3859589.4	1.33769	1.79E+00	1.88E+00	2.05E+00
5522	489865.89	3859529.06	1.42102	1.90E+00	2.00E+00	2.18E+00
5523	489826.89	3859531.74	1.09541	1.47E+00	1.54E+00	1.68E+00
5524	489410.47	3859303.06	1.05159	1.41E+00	1.48E+00	1.61E+00
5525	489407.15	3859286.09	1.23797	1.66E+00	1.74E+00	1.90E+00
5526	488806.07	3858963.62	0.49909	6.68E-01	7.02E-01	7.64E-01
5527	488817.64	3859546.3	0.15151	2.03E-01	2.13E-01	2.32E-01
5528	489187.25	3859549.52	0.23677	3.17E-01	3.33E-01	3.63E-01
5529	489187.66	3859523.74	0.24954	3.34E-01	3.51E-01	3.82E-01
5530	489232.59	3859522.85	0.26763	3.58E-01	3.77E-01	4.10E-01
5531	489224.98	3859759.91	0.17388	2.33E-01	2.45E-01	2.66E-01
5532	488401.39	3859763.34	0.08357	1.12E-01	1.18E-01	1.28E-01
5533	488405.51	3859966.16	0.07442	9.96E-02	1.05E-01	1.14E-01
5534	489202.85	3859956.57	0.1335	1.79E-01	1.88E-01	2.04E-01
5535	489191.9	3860676.74	0.06866	9.19E-02	9.66E-02	1.05E-01
5536	488392.82	3860687.88	0.05065	6.78E-02	7.13E-02	7.76E-02
5537	488392.82	3860760.27	0.04921	6.59E-02	6.92E-02	7.53E-02
5538	487549.05	3860777.45	0.03543	4.74E-02	4.99E-02	5.43E-02
5539	487554.62	3859571.83	0.05028	6.73E-02	7.07E-02	7.70E-02
5540	485949.46	3859558.54	0.02635	3.53E-02	3.71E-02	4.03E-02

5541	485947.55	3857943.61	0.02661	3.56E-02	3.74E-02	4.07E-02
5542	484738.38	3857940.21	0.02368	3.17E-02	3.33E-02	3.63E-02
5543	484737.06	3857535.68	0.02357	3.15E-02	3.32E-02	3.61E-02
5544	483730.2	3857530.13	0.02271	3.04E-02	3.20E-02	3.48E-02
5545	483727.27	3857130.01	0.02341	3.13E-02	3.29E-02	3.58E-02
5546	483124.42	3857123.45	0.02294	3.07E-02	3.23E-02	3.51E-02
5547	483111.13	3855921.03	0.03	4.02E-02	4.22E-02	4.59E-02
5548	482701.73	3855918.24	0.02974	3.98E-02	4.18E-02	4.55E-02
5549	482668.02	3853521.78	0.2993	4.01E-01	4.21E-01	4.58E-01
5550	482579.91	3853219.19	0.59869	8.01E-01	8.42E-01	9.17E-01
5551	482434.06	3852961.94	0.82034	1.10E+00	1.15E+00	1.26E+00
5552	482332.11	3852832.85	0.94779	1.27E+00	1.33E+00	1.45E+00
5553	481334.99	3851818.96	0.95055	1.27E+00	1.34E+00	1.46E+00
5554	481127.62	3851646.36	1.00231	1.34E+00	1.41E+00	1.53E+00
5555	481025.04	3851591.73	0.93715	1.25E+00	1.32E+00	1.43E+00
5556	480513.6	3851335.76	0.93928	1.26E+00	1.32E+00	1.44E+00
5557	480523.56	3851317.66	1.1034	1.48E+00	1.55E+00	1.69E+00
5558	476921.56	3849569.11	1.1678	1.56E+00	1.64E+00	1.79E+00
5559	476521.19	3849373.96	1.55526	2.08E+00	2.19E+00	2.38E+00
5560	476391.45	3849333.38	1.59321	2.13E+00	2.24E+00	2.44E+00
5561	476219.41	3849304.29	1.5215	2.04E+00	2.14E+00	2.33E+00
5562	475679.11	3849218.47	1.33976	1.79E+00	1.89E+00	2.05E+00
5563	475677.71	3849233.88	1.10537	1.48E+00	1.56E+00	1.69E+00
5564	475492.74	3849204.66	0.70338	9.41E-01	9.90E-01	1.08E+00
5565	475497.64	3849158.75	1.71659	2.30E+00	2.42E+00	2.63E+00
5566	475391.35	3849141.94	1.17236	1.57E+00	1.65E+00	1.80E+00
5567	475277	3849095.47	1.01045	1.35E+00	1.42E+00	1.55E+00
5568	475183.93	3849025.66	1.16382	1.56E+00	1.64E+00	1.78E+00
5569	474453.23	3848378.77	1.32617	1.77E+00	1.87E+00	2.03E+00
5570	474569.63	3848399.34	2.53404	3.39E+00	3.57E+00	3.88E+00
5571	474644.33	3848464.52	2.34117	3.13E+00	3.29E+00	3.58E+00
5572	474719.04	3848529.7	3.04955	4.08E+00	4.29E+00	4.67E+00
5573	474793.74	3848594.88	2.60673	3.49E+00	3.67E+00	3.99E+00
5574	474868.45	3848660.07	3.01727	4.04E+00	4.25E+00	4.62E+00
5575	474943.15	3848725.25	3.00804	4.03E+00	4.23E+00	4.61E+00
5576	475017.86	3848790.43	3.03138	4.06E+00	4.27E+00	4.64E+00
5577	475092.56	3848855.61	3.03039	4.06E+00	4.26E+00	4.64E+00
5578	475232.58	3848959.38	2.92015	3.91E+00	4.11E+00	4.47E+00
5579	475368.47	3849029.98	2.98622	4.00E+00	4.20E+00	4.57E+00
5580	475609.57	3849096.09	2.51524	3.37E+00	3.54E+00	3.85E+00
5581	475680.68	3849116.62	2.78461	3.73E+00	3.92E+00	4.26E+00
5582	475843.76	3849151.52	3.33178	4.46E+00	4.69E+00	5.10E+00
5583	475935.73	3849165.89	3.19292	4.27E+00	4.49E+00	4.89E+00
5584	476027.71	3849180.27	3.23632	4.33E+00	4.55E+00	4.96E+00
5585	476119.68	3849194.64	3.64866	4.88E+00	5.13E+00	5.59E+00
5586	476211.65	3849209.01	3.79669	5.08E+00	5.34E+00	5.81E+00
5587	476497.8	3849283.9	3.5368	4.73E+00	4.98E+00	5.42E+00
5588	476603.73	3849323.77	3.77503	5.05E+00	5.31E+00	5.78E+00
5589	476728.99	3849382.76	2.94099	3.94E+00	4.14E+00	4.50E+00
5590	476801.27	3849418.65	3.08844	4.13E+00	4.35E+00	4.73E+00
5591	476956.2	3849495.05	3.35449	4.49E+00	4.72E+00	5.14E+00
5592	477038.84	3849535.56	3.14894	4.21E+00	4.43E+00	4.82E+00
5593	477121.48	3849576.08	3.08982	4.14E+00	4.35E+00	4.73E+00
5594	477204.13	3849616.6	3.00724	4.02E+00	4.23E+00	4.60E+00
5595	477286.78	3849657.12	2.80855	3.76E+00	3.95E+00	4.30E+00
5596	477369.42	3849697.63	2.72948	3.65E+00	3.84E+00	4.18E+00
5597	477452.07	3849738.15	2.77904	3.72E+00	3.91E+00	4.26E+00
5598	477534.71	3849778.67	2.66095	3.56E+00	3.74E+00	4.07E+00
5599	477617.35	3849819.18	2.64691	3.54E+00	3.72E+00	4.05E+00
5600	477824.74	3849896.37	3.33191	4.46E+00	4.69E+00	5.10E+00
5601	477906.31	3849936.37	3.56766	4.78E+00	5.02E+00	5.46E+00
5602	477987.89	3849976.36	3.46648	4.64E+00	4.88E+00	5.31E+00
5603	478069.47	3850016.36	3.60513	4.83E+00	5.07E+00	5.52E+00

5604	478151.04	3850056.35	3.22255	4.31E+00	4.53E+00	4.93E+00
5605	478232.62	3850096.35	3.2382	4.33E+00	4.56E+00	4.96E+00
5606	478314.2	3850136.34	3.22906	4.32E+00	4.54E+00	4.94E+00
5607	478395.77	3850176.34	3.208	4.29E+00	4.51E+00	4.91E+00
5608	478575.43	3850244.45	2.94077	3.94E+00	4.14E+00	4.50E+00
5609	478665.06	3850287.29	2.92102	3.91E+00	4.11E+00	4.47E+00
5610	478754.69	3850330.14	2.89247	3.87E+00	4.07E+00	4.43E+00
5611	478844.32	3850372.99	2.82612	3.78E+00	3.98E+00	4.33E+00
5612	478933.95	3850415.84	2.73217	3.66E+00	3.84E+00	4.18E+00
5613	479023.58	3850458.68	2.8314	3.79E+00	3.98E+00	4.34E+00
5614	479110.66	3850441.9	1.79229	2.40E+00	2.52E+00	2.74E+00
5615	479191.22	3850423.99	1.36533	1.83E+00	1.92E+00	2.09E+00
5616	479274.32	3850465.71	1.38745	1.86E+00	1.95E+00	2.12E+00
5617	479357.43	3850507.42	1.4164	1.90E+00	1.99E+00	2.17E+00
5618	479440.53	3850549.14	1.42356	1.91E+00	2.00E+00	2.18E+00
5619	479523.64	3850590.85	1.42711	1.91E+00	2.01E+00	2.19E+00
5620	479606.74	3850632.57	1.43787	1.92E+00	2.02E+00	2.20E+00
5621	479777.37	3850707.61	1.38435	1.85E+00	1.95E+00	2.12E+00
5622	479864.9	3850740.95	1.33679	1.79E+00	1.88E+00	2.05E+00
5623	479931.87	3850829.56	1.7461	2.34E+00	2.46E+00	2.67E+00
5624	479995.55	3850926.75	2.78758	3.73E+00	3.92E+00	4.27E+00
5625	480079.78	3850968.64	2.78222	3.72E+00	3.91E+00	4.26E+00
5626	480164.01	3851010.54	2.77022	3.71E+00	3.90E+00	4.24E+00
5627	480248.23	3851052.43	2.74077	3.67E+00	3.86E+00	4.20E+00
5628	480332.46	3851094.33	2.77367	3.71E+00	3.90E+00	4.25E+00
5629	480416.69	3851136.22	2.91643	3.90E+00	4.10E+00	4.47E+00
5630	480579.95	3851215.17	2.97773	3.99E+00	4.19E+00	4.56E+00
5631	480658.98	3851252.22	2.94754	3.95E+00	4.15E+00	4.51E+00
5632	480817.36	3851327.85	2.9112	3.90E+00	4.10E+00	4.46E+00
5633	480896.72	3851366.42	2.92558	3.92E+00	4.12E+00	4.48E+00
5634	480976.07	3851405	2.91879	3.91E+00	4.11E+00	4.47E+00
5635	481178	3851487.31	2.19581	2.94E+00	3.09E+00	3.36E+00
5636	481244.9	3851557.17	2.42974	3.25E+00	3.42E+00	3.72E+00
5637	481311.81	3851627.03	2.69197	3.60E+00	3.79E+00	4.12E+00
5638	481378.71	3851696.89	2.74324	3.67E+00	3.86E+00	4.20E+00
5639	481445.61	3851766.76	2.86847	3.84E+00	4.04E+00	4.39E+00
5640	481512.51	3851836.62	2.88261	3.86E+00	4.06E+00	4.41E+00
5641	481579.42	3851906.48	2.85156	3.82E+00	4.01E+00	4.37E+00
5642	481646.32	3851976.34	2.84997	3.81E+00	4.01E+00	4.36E+00
5643	481713.22	3852046.2	2.82852	3.79E+00	3.98E+00	4.33E+00
5644	481780.12	3852116.06	2.83831	3.80E+00	3.99E+00	4.35E+00
5645	481847.03	3852185.92	2.84053	3.80E+00	4.00E+00	4.35E+00
5646	481913.93	3852255.78	2.82256	3.78E+00	3.97E+00	4.32E+00
5647	481980.83	3852325.65	2.67732	3.58E+00	3.77E+00	4.10E+00
5648	482047.73	3852395.51	2.72858	3.65E+00	3.84E+00	4.18E+00
5649	482114.64	3852465.37	2.62559	3.51E+00	3.69E+00	4.02E+00
5650	482181.54	3852535.23	2.72012	3.64E+00	3.83E+00	4.17E+00
5651	482338.69	3852700.04	2.76688	3.70E+00	3.89E+00	4.24E+00
5652	482404.05	3852767.78	2.75011	3.68E+00	3.87E+00	4.21E+00
5653	482469.4	3852835.52	2.78237	3.72E+00	3.91E+00	4.26E+00
5654	482534.75	3852903.25	2.76219	3.70E+00	3.89E+00	4.23E+00
5655	482600.11	3852970.98	2.56802	3.44E+00	3.61E+00	3.93E+00
5656	482706.71	3853119.28	2.39873	3.21E+00	3.38E+00	3.67E+00
5657	482747.96	3853199.84	2.42841	3.25E+00	3.42E+00	3.72E+00
5658	482789.21	3853280.4	2.24659	3.01E+00	3.16E+00	3.44E+00
5659	482830.46	3853360.96	2.02567	2.71E+00	2.85E+00	3.10E+00
5660	482871.71	3853441.52	1.69105	2.26E+00	2.38E+00	2.59E+00
5661	482912.95	3853522.07	0.46965	6.29E-01	6.61E-01	7.19E-01
5662	482954.2	3853602.63	0.24188	3.24E-01	3.40E-01	3.70E-01
5663	482995.45	3853683.19	0.17404	2.33E-01	2.45E-01	2.66E-01
5664	483036.7	3853763.75	0.13906	1.86E-01	1.96E-01	2.13E-01
5665	483214.2	3853909.91	0.10077	1.35E-01	1.42E-01	1.54E-01
5666	483307.01	3853910.44	0.10212	1.37E-01	1.44E-01	1.56E-01

5667	483399.83	3853910.96	0.10173	1.36E-01	1.43E-01	1.56E-01
5668	483494.52	3854009.24	0.08937	1.20E-01	1.26E-01	1.37E-01
5669	483496.41	3854106.98	0.07996	1.07E-01	1.13E-01	1.22E-01
5670	483577.56	3854261.96	0.06644	8.89E-02	9.35E-02	1.02E-01
5671	483656.83	3854319.19	0.06185	8.28E-02	8.70E-02	9.47E-02
5672	483736.1	3854376.41	0.05757	7.71E-02	8.10E-02	8.82E-02
5673	483815.36	3854433.64	0.0537	7.19E-02	7.56E-02	8.22E-02
5674	483894.63	3854490.87	0.05	6.69E-02	7.04E-02	7.66E-02
5675	483973.9	3854548.1	0.04671	6.25E-02	6.57E-02	7.15E-02
5676	484053.17	3854605.32	0.04434	5.93E-02	6.24E-02	6.79E-02
5677	484214.97	3854698.15	0.04168	5.58E-02	5.86E-02	6.38E-02
5678	484297.5	3854733.74	0.04184	5.60E-02	5.89E-02	6.41E-02
5679	484380.03	3854769.34	0.04123	5.52E-02	5.80E-02	6.31E-02
5680	484462.56	3854804.94	0.0412	5.51E-02	5.80E-02	6.31E-02
5681	484545.09	3854840.53	0.04046	5.42E-02	5.69E-02	6.20E-02
5682	484691.88	3854912.58	0.04042	5.41E-02	5.69E-02	6.19E-02
5683	484830.81	3855012.51	0.03952	5.29E-02	5.56E-02	6.05E-02
5684	484905.48	3855075.97	0.03921	5.25E-02	5.52E-02	6.00E-02
5685	484980.14	3855139.44	0.03856	5.16E-02	5.43E-02	5.90E-02
5686	485054.81	3855202.91	0.03769	5.04E-02	5.30E-02	5.77E-02
5687	485129.48	3855266.37	0.03658	4.90E-02	5.15E-02	5.60E-02
5688	485204.15	3855329.84	0.03601	4.82E-02	5.07E-02	5.51E-02
5689	485278.82	3855393.31	0.03522	4.71E-02	4.96E-02	5.39E-02
5690	485353.48	3855456.77	0.03455	4.62E-02	4.86E-02	5.29E-02
5691	485428.15	3855520.24	0.03382	4.53E-02	4.76E-02	5.18E-02
5692	485502.82	3855583.71	0.03315	4.44E-02	4.66E-02	5.08E-02
5693	485577.49	3855647.17	0.03264	4.37E-02	4.59E-02	5.00E-02
5694	485652.16	3855710.64	0.03215	4.30E-02	4.52E-02	4.92E-02
5695	485726.83	3855774.1	0.03157	4.23E-02	4.44E-02	4.83E-02
5696	485801.49	3855837.57	0.031	4.15E-02	4.36E-02	4.75E-02
5697	485876.16	3855901.04	0.03049	4.08E-02	4.29E-02	4.67E-02
5698	485950.83	3855964.5	0.03	4.02E-02	4.22E-02	4.59E-02
5699	486025.5	3856027.97	0.02947	3.94E-02	4.15E-02	4.51E-02
5700	486100.17	3856091.44	0.0292	3.91E-02	4.11E-02	4.47E-02
5701	486174.83	3856154.9	0.02872	3.84E-02	4.04E-02	4.40E-02
5702	486249.5	3856218.37	0.02806	3.76E-02	3.95E-02	4.30E-02
5703	486324.17	3856281.84	0.02744	3.67E-02	3.86E-02	4.20E-02
5704	486398.84	3856345.3	0.02722	3.64E-02	3.83E-02	4.17E-02
5705	486473.51	3856408.77	0.02692	3.60E-02	3.79E-02	4.12E-02
5706	486548.17	3856472.24	0.02677	3.58E-02	3.77E-02	4.10E-02
5707	486622.84	3856535.7	0.02667	3.57E-02	3.75E-02	4.08E-02
5708	486765.48	3856659.69	0.02667	3.57E-02	3.75E-02	4.08E-02
5709	486833.44	3856720.2	0.02666	3.57E-02	3.75E-02	4.08E-02
5710	486901.41	3856780.72	0.02674	3.58E-02	3.76E-02	4.09E-02
5711	486969.38	3856841.24	0.02683	3.59E-02	3.78E-02	4.11E-02
5712	487037.34	3856901.75	0.02694	3.61E-02	3.79E-02	4.13E-02
5713	487271.23	3856855.51	0.02756	3.69E-02	3.88E-02	4.22E-02
5714	487368.96	3856857.29	0.02751	3.68E-02	3.87E-02	4.21E-02
5715	487466.68	3856859.06	0.02753	3.68E-02	3.87E-02	4.22E-02
5716	487636.44	3856930	0.02776	3.72E-02	3.91E-02	4.25E-02
5717	487709.57	3856928.43	0.02788	3.73E-02	3.92E-02	4.27E-02
5718	487782.54	3856841.96	0.02781	3.72E-02	3.91E-02	4.26E-02
5719	487849.83	3856754.74	0.02774	3.71E-02	3.90E-02	4.25E-02
5720	487918.03	3856819.39	0.02799	3.75E-02	3.94E-02	4.29E-02
5721	487918.8	3856886.37	0.02821	3.78E-02	3.97E-02	4.32E-02
5722	488065.47	3857127.5	0.02908	3.89E-02	4.09E-02	4.45E-02
5723	488192.19	3857385.83	0.03118	4.17E-02	4.39E-02	4.77E-02
5724	488191.22	3857473.87	0.03216	4.30E-02	4.53E-02	4.92E-02
5725	488190.24	3857561.9	0.03331	4.46E-02	4.69E-02	5.10E-02
5726	488158.35	3857691.13	0.03507	4.69E-02	4.93E-02	5.37E-02
5727	488208.37	3857816.66	0.0374	5.01E-02	5.26E-02	5.73E-02
5728	488271.97	3857874.6	0.03894	5.21E-02	5.48E-02	5.96E-02
5729	488463.56	3857942.31	0.04224	5.65E-02	5.94E-02	6.47E-02

5730	488554.83	3857940.83	0.04255	5.69E-02	5.99E-02	6.52E-02
5731	488646.1	3857939.36	0.04282	5.73E-02	6.03E-02	6.56E-02
5732	488737.37	3857937.88	0.04316	5.78E-02	6.07E-02	6.61E-02
5733	488733.59	3857960.57	0.04379	5.86E-02	6.16E-02	6.71E-02
5734	488638.09	3857961.57	0.04344	5.81E-02	6.11E-02	6.65E-02
5735	488542.6	3857962.56	0.04324	5.79E-02	6.08E-02	6.62E-02
5736	488447.1	3857963.56	0.04283	5.73E-02	6.03E-02	6.56E-02
5737	488254.28	3857890.36	0.03924	5.25E-02	5.52E-02	6.01E-02
5738	488191.69	3857833.06	0.03757	5.03E-02	5.29E-02	5.75E-02
5739	488129.5	3857907.43	0.03852	5.16E-02	5.42E-02	5.90E-02
5740	488196.47	3857968.73	0.04031	5.40E-02	5.67E-02	6.17E-02
5741	488263.44	3858030.04	0.04201	5.62E-02	5.91E-02	6.43E-02
5742	488400.64	3858132.9	0.04783	6.40E-02	6.73E-02	7.32E-02
5743	488519.89	3858218.38	0.05404	7.23E-02	7.60E-02	8.27E-02
5744	488647.97	3858214.99	0.05459	7.31E-02	7.68E-02	8.36E-02
5745	488727.05	3858167.67	0.05234	7.01E-02	7.36E-02	8.01E-02
5746	488806.12	3858120.35	0.05029	6.73E-02	7.08E-02	7.70E-02
5747	488885.2	3858073.03	0.04828	6.46E-02	6.79E-02	7.39E-02
5748	489055.76	3857991.17	0.0447	5.98E-02	6.29E-02	6.84E-02
5749	489245.39	3857944.54	0.04097	5.48E-02	5.76E-02	6.27E-02
5750	489430.63	3857930.91	0.03897	5.22E-02	5.48E-02	5.97E-02
5751	489517.74	3857929.36	0.03821	5.11E-02	5.38E-02	5.85E-02
5752	489604.85	3857927.82	0.03751	5.02E-02	5.28E-02	5.74E-02
5753	489691.97	3857926.28	0.03715	4.97E-02	5.23E-02	5.69E-02
5754	489779.08	3857924.73	0.03679	4.92E-02	5.18E-02	5.63E-02
5755	490017.54	3857875.08	0.03461	4.63E-02	4.87E-02	5.30E-02
5756	490033.82	3857960.81	0.03723	4.98E-02	5.24E-02	5.70E-02
5757	489959.15	3857987.49	0.03865	5.17E-02	5.44E-02	5.92E-02
5758	489791.49	3858016.12	0.03954	5.29E-02	5.56E-02	6.05E-02
5759	489698.51	3858018.07	0.04009	5.37E-02	5.64E-02	6.14E-02
5760	489605.52	3858020.02	0.04074	5.45E-02	5.73E-02	6.24E-02
5761	489512.53	3858021.96	0.04153	5.56E-02	5.84E-02	6.36E-02
5762	489419.55	3858023.91	0.04257	5.70E-02	5.99E-02	6.52E-02
5763	489228.47	3858041.29	0.04426	5.92E-02	6.23E-02	6.78E-02
5764	489065.75	3858085.78	0.04806	6.43E-02	6.76E-02	7.36E-02
5765	489001.12	3858114.86	0.04984	6.67E-02	7.01E-02	7.63E-02
5766	488861.89	3858189.81	0.05373	7.19E-02	7.56E-02	8.23E-02
5767	488787.28	3858235.69	0.05651	7.56E-02	7.95E-02	8.65E-02
5768	488712.68	3858281.57	0.05906	7.90E-02	8.31E-02	9.04E-02
5769	488654.39	3858436.17	0.07144	9.56E-02	1.01E-01	1.09E-01
5770	488726.3	3858505.26	0.0819	1.10E-01	1.15E-01	1.25E-01
5771	488880.6	3858599.28	0.10217	1.37E-01	1.44E-01	1.56E-01
5772	489008.06	3858714.75	0.15156	2.03E-01	2.13E-01	2.32E-01
5773	489071.48	3858772.72	0.22115	2.96E-01	3.11E-01	3.39E-01
5774	489244.59	3858920.19	0.73634	9.86E-01	1.04E+00	1.13E+00
5775	489239.69	3858952.23	0.93543	1.25E+00	1.32E+00	1.43E+00
5776	489121.67	3858854.49	0.50833	6.80E-01	7.15E-01	7.78E-01
5777	489059.59	3858797.27	0.27142	3.63E-01	3.82E-01	4.16E-01
5778	488997.52	3858740.04	0.17012	2.28E-01	2.39E-01	2.60E-01
5779	488935.44	3858682.82	0.13142	1.76E-01	1.85E-01	2.01E-01
5780	488869.17	3858848.43	0.41198	5.51E-01	5.80E-01	6.31E-01
5781	488932.48	3858892.69	1.42422	1.91E+00	2.00E+00	2.18E+00
5782	489063.27	3858977.17	2.42549	3.25E+00	3.41E+00	3.71E+00
5783	489248.2	3859117.15	2.91938	3.91E+00	4.11E+00	4.47E+00
5784	489296.25	3859049.22	1.50758	2.02E+00	2.12E+00	2.31E+00
5785	489353.38	3858993.96	0.9132	1.22E+00	1.28E+00	1.40E+00
5786	489537.24	3859120.22	1.12764	1.51E+00	1.59E+00	1.73E+00
5787	489726.98	3859246.04	1.3367	1.79E+00	1.88E+00	2.05E+00
5788	489911.46	3859366.33	1.51872	2.03E+00	2.14E+00	2.33E+00
5789	490035.3	3859430.26	1.52567	2.04E+00	2.15E+00	2.34E+00
5790	490101.11	3859458.61	1.4875	1.99E+00	2.09E+00	2.28E+00
5791	490312.68	3859560.3	1.59802	2.14E+00	2.25E+00	2.45E+00
5792	490401.63	3859603.12	1.69613	2.27E+00	2.39E+00	2.60E+00

5793	490490.57	3859645.94	1.79963	2.41E+00	2.53E+00	2.76E+00
5794	490579.51	3859688.76	1.90279	2.55E+00	2.68E+00	2.91E+00
5795	490668.45	3859731.58	1.96037	2.62E+00	2.76E+00	3.00E+00
5796	490757.4	3859774.4	2.14005	2.86E+00	3.01E+00	3.28E+00
5797	491003.53	3859861.82	1.92875	2.58E+00	2.71E+00	2.95E+00
5798	491081.41	3859879.05	1.72004	2.30E+00	2.42E+00	2.63E+00
5799	491229.76	3859917.82	1.38751	1.86E+00	1.95E+00	2.12E+00
5800	491300.22	3859939.35	1.25125	1.67E+00	1.76E+00	1.92E+00
5801	491350.48	3860012.03	1.38962	1.86E+00	1.96E+00	2.13E+00
5802	491406.82	3860092.56	1.56631	2.10E+00	2.20E+00	2.40E+00
5803	491483.36	3860121.96	1.39521	1.87E+00	1.96E+00	2.14E+00
5804	491559.91	3860151.35	1.25405	1.68E+00	1.76E+00	1.92E+00
5805	491711.81	3860237.76	0.86531	1.16E+00	1.22E+00	1.32E+00
5806	491755.2	3860319.07	1.24843	1.67E+00	1.76E+00	1.91E+00
5807	491704.71	3860366.54	1.78584	2.39E+00	2.51E+00	2.73E+00
5808	491623.42	3860462.39	1.05637	1.41E+00	1.49E+00	1.62E+00
5809	491534.02	3860439.85	0.60423	8.09E-01	8.50E-01	9.25E-01
5810	491313.95	3860268.17	0.81836	1.10E+00	1.15E+00	1.25E+00
5811	491187.12	3860143.56	1.1383	1.52E+00	1.60E+00	1.74E+00
5812	491070.43	3860075.97	1.05587	1.41E+00	1.49E+00	1.62E+00
5813	490995.09	3860039.38	0.98939	1.32E+00	1.39E+00	1.51E+00
5814	490919.75	3860002.8	0.99451	1.33E+00	1.40E+00	1.52E+00
5815	490756.81	3859894.53	1.70716	2.28E+00	2.40E+00	2.61E+00
5816	490668.07	3859860.92	1.63238	2.18E+00	2.30E+00	2.50E+00
5817	490579.34	3859827.3	1.63032	2.18E+00	2.29E+00	2.50E+00
5818	490490.6	3859793.68	1.55156	2.08E+00	2.18E+00	2.38E+00
5819	490401.86	3859760.07	1.49729	2.00E+00	2.11E+00	2.29E+00
5820	490313.12	3859726.45	1.48468	1.99E+00	2.09E+00	2.27E+00
5821	490224.39	3859692.83	1.46289	1.96E+00	2.06E+00	2.24E+00
5822	490135.65	3859659.22	1.4304	1.91E+00	2.01E+00	2.19E+00
5823	489918.18	3859559.23	1.39629	1.87E+00	1.96E+00	2.14E+00
5824	489743.61	3859486	1.08731	1.46E+00	1.53E+00	1.66E+00
5825	489660.32	3859440.27	1.07607	1.44E+00	1.51E+00	1.65E+00
5826	489577.04	3859394.53	1.0705	1.43E+00	1.51E+00	1.64E+00
5827	489493.75	3859348.8	1.05651	1.41E+00	1.49E+00	1.62E+00
5828	489321.28	3859240.02	1.19706	1.60E+00	1.68E+00	1.83E+00
5829	489235.41	3859193.96	1.16239	1.56E+00	1.64E+00	1.78E+00
5830	489149.54	3859147.89	1.02975	1.38E+00	1.45E+00	1.58E+00
5831	489063.68	3859101.82	0.94278	1.26E+00	1.33E+00	1.44E+00
5832	488977.81	3859055.75	0.84722	1.13E+00	1.19E+00	1.30E+00
5833	488891.94	3859009.69	0.6917	9.26E-01	9.73E-01	1.06E+00
5834	488808	3859060.73	0.35629	4.77E-01	5.01E-01	5.46E-01
5835	488809.93	3859157.85	0.27825	3.72E-01	3.92E-01	4.26E-01
5836	488811.85	3859254.96	0.22882	3.06E-01	3.22E-01	3.50E-01
5837	488813.78	3859352.07	0.19467	2.61E-01	2.74E-01	2.98E-01
5838	488815.71	3859449.19	0.17048	2.28E-01	2.40E-01	2.61E-01
5839	488910.04	3859547.1	0.16741	2.24E-01	2.36E-01	2.56E-01
5840	489002.45	3859547.91	0.18668	2.50E-01	2.63E-01	2.86E-01
5841	489094.85	3859548.71	0.21008	2.81E-01	2.96E-01	3.22E-01
5842	489230.05	3859601.87	0.22607	3.03E-01	3.18E-01	3.46E-01
5843	489227.52	3859680.89	0.19668	2.63E-01	2.77E-01	3.01E-01
5844	489133.47	3859760.29	0.15928	2.13E-01	2.24E-01	2.44E-01
5845	489041.96	3859760.67	0.14619	1.96E-01	2.06E-01	2.24E-01
5846	488950.45	3859761.05	0.13446	1.80E-01	1.89E-01	2.06E-01
5847	488858.94	3859761.43	0.12433	1.66E-01	1.75E-01	1.90E-01
5848	488767.43	3859761.82	0.11431	1.53E-01	1.61E-01	1.75E-01
5849	488675.92	3859762.2	0.10578	1.42E-01	1.49E-01	1.62E-01
5850	488584.41	3859762.58	0.09753	1.31E-01	1.37E-01	1.49E-01
5851	488492.9	3859762.96	0.09035	1.21E-01	1.27E-01	1.38E-01
5852	488402.76	3859830.95	0.08074	1.08E-01	1.14E-01	1.24E-01
5853	488404.14	3859898.55	0.07728	1.03E-01	1.09E-01	1.18E-01
5854	488505.18	3859964.96	0.07965	1.07E-01	1.12E-01	1.22E-01
5855	488604.84	3859963.76	0.08545	1.14E-01	1.20E-01	1.31E-01

5856	488704.51	3859962.56	0.09191	1.23E-01	1.29E-01	1.41E-01
5857	488804.18	3859961.37	0.09899	1.32E-01	1.39E-01	1.52E-01
5858	488903.85	3859960.17	0.1066	1.43E-01	1.50E-01	1.63E-01
5859	489003.52	3859958.97	0.11453	1.53E-01	1.61E-01	1.75E-01
5860	489103.18	3859957.77	0.12331	1.65E-01	1.74E-01	1.89E-01
5861	489201.48	3860046.59	0.12096	1.62E-01	1.70E-01	1.85E-01
5862	489200.11	3860136.61	0.10992	1.47E-01	1.55E-01	1.68E-01
5863	489198.74	3860226.63	0.10057	1.35E-01	1.42E-01	1.54E-01
5864	489197.38	3860316.65	0.09233	1.24E-01	1.30E-01	1.41E-01
5865	489196.01	3860406.68	0.08545	1.14E-01	1.20E-01	1.31E-01
5866	489194.64	3860496.7	0.07882	1.05E-01	1.11E-01	1.21E-01
5867	489193.27	3860586.72	0.07348	9.83E-02	1.03E-01	1.13E-01
5868	489092.02	3860678.13	0.06582	8.81E-02	9.26E-02	1.01E-01
5869	488992.13	3860679.52	0.06321	8.46E-02	8.89E-02	9.68E-02
5870	488892.24	3860680.92	0.06085	8.14E-02	8.56E-02	9.32E-02
5871	488792.36	3860682.31	0.05846	7.82E-02	8.23E-02	8.95E-02
5872	488692.47	3860683.7	0.0563	7.54E-02	7.92E-02	8.62E-02
5873	488592.59	3860685.1	0.05388	7.21E-02	7.58E-02	8.25E-02
5874	488492.71	3860686.49	0.05215	6.98E-02	7.34E-02	7.99E-02
5875	488299.07	3860762.18	0.04761	6.37E-02	6.70E-02	7.29E-02
5876	488205.32	3860764.09	0.04571	6.12E-02	6.43E-02	7.00E-02
5877	488111.56	3860766	0.04378	5.86E-02	6.16E-02	6.70E-02
5878	488017.81	3860767.91	0.04194	5.61E-02	5.90E-02	6.42E-02
5879	487924.06	3860769.81	0.0403	5.39E-02	5.67E-02	6.17E-02
5880	487830.31	3860771.72	0.0388	5.19E-02	5.46E-02	5.94E-02
5881	487736.55	3860773.63	0.03746	5.01E-02	5.27E-02	5.74E-02
5882	487642.8	3860775.54	0.03633	4.86E-02	5.11E-02	5.56E-02
5883	487549.48	3860684.71	0.03631	4.86E-02	5.11E-02	5.56E-02
5884	487549.91	3860591.97	0.03714	4.97E-02	5.23E-02	5.69E-02
5885	487550.34	3860499.23	0.0382	5.11E-02	5.37E-02	5.85E-02
5886	487550.76	3860406.49	0.03938	5.27E-02	5.54E-02	6.03E-02
5887	487551.19	3860313.75	0.04045	5.41E-02	5.69E-02	6.19E-02
5888	487551.62	3860221.01	0.04162	5.57E-02	5.86E-02	6.37E-02
5889	487552.05	3860128.27	0.04309	5.77E-02	6.06E-02	6.60E-02
5890	487552.48	3860035.53	0.04449	5.95E-02	6.26E-02	6.81E-02
5891	487552.91	3859942.79	0.04548	6.09E-02	6.40E-02	6.96E-02
5892	487553.33	3859850.05	0.04696	6.29E-02	6.61E-02	7.19E-02
5893	487553.76	3859757.31	0.04814	6.44E-02	6.77E-02	7.37E-02
5894	487554.19	3859664.57	0.0492	6.59E-02	6.92E-02	7.53E-02
5895	487460.2	3859571.05	0.0472	6.32E-02	6.64E-02	7.23E-02
5896	487365.78	3859570.27	0.04484	6.00E-02	6.31E-02	6.87E-02
5897	487271.36	3859569.48	0.04267	5.71E-02	6.00E-02	6.53E-02
5898	487176.94	3859568.7	0.04071	5.45E-02	5.73E-02	6.23E-02
5899	487082.51	3859567.92	0.03898	5.22E-02	5.48E-02	5.97E-02
5900	486988.09	3859567.14	0.0374	5.01E-02	5.26E-02	5.73E-02
5901	486893.67	3859566.36	0.03596	4.81E-02	5.06E-02	5.51E-02
5902	486799.25	3859565.58	0.03463	4.63E-02	4.87E-02	5.30E-02
5903	486704.83	3859564.79	0.03341	4.47E-02	4.70E-02	5.12E-02
5904	486610.41	3859564.01	0.03231	4.32E-02	4.55E-02	4.95E-02
5905	486515.99	3859563.23	0.03122	4.18E-02	4.39E-02	4.78E-02
5906	486421.57	3859562.45	0.03026	4.05E-02	4.26E-02	4.63E-02
5907	486327.14	3859561.67	0.0294	3.93E-02	4.14E-02	4.50E-02
5908	486232.72	3859560.89	0.02854	3.82E-02	4.02E-02	4.37E-02
5909	486138.3	3859560.1	0.02776	3.72E-02	3.91E-02	4.25E-02
5910	486043.88	3859559.32	0.02703	3.62E-02	3.80E-02	4.14E-02
5911	485949.35	3859463.54	0.02664	3.57E-02	3.75E-02	4.08E-02
5912	485949.24	3859368.55	0.02692	3.60E-02	3.79E-02	4.12E-02
5913	485949.12	3859273.55	0.0272	3.64E-02	3.83E-02	4.16E-02
5914	485949.01	3859178.56	0.02746	3.68E-02	3.86E-02	4.20E-02
5915	485948.9	3859083.56	0.02776	3.72E-02	3.91E-02	4.25E-02
5916	485948.79	3858988.56	0.02802	3.75E-02	3.94E-02	4.29E-02
5917	485948.67	3858893.57	0.02824	3.78E-02	3.97E-02	4.32E-02
5918	485948.56	3858798.57	0.02845	3.81E-02	4.00E-02	4.36E-02

5919	485948.45	3858703.58	0.02851	3.82E-02	4.01E-02	4.37E-02
5920	485948.34	3858608.58	0.02857	3.82E-02	4.02E-02	4.37E-02
5921	485948.22	3858513.59	0.02856	3.82E-02	4.02E-02	4.37E-02
5922	485948.11	3858418.59	0.02842	3.80E-02	4.00E-02	4.35E-02
5923	485948	3858323.59	0.02821	3.78E-02	3.97E-02	4.32E-02
5924	485947.89	3858228.6	0.02785	3.73E-02	3.92E-02	4.26E-02
5925	485947.77	3858133.6	0.02741	3.67E-02	3.86E-02	4.20E-02
5926	485947.66	3858038.61	0.02701	3.62E-02	3.80E-02	4.14E-02
5927	485854.54	3857943.35	0.02631	3.52E-02	3.70E-02	4.03E-02
5928	485761.52	3857943.09	0.0261	3.49E-02	3.67E-02	4.00E-02
5929	485668.51	3857942.83	0.0259	3.47E-02	3.64E-02	3.97E-02
5930	485575.5	3857942.56	0.02567	3.44E-02	3.61E-02	3.93E-02
5931	485482.48	3857942.3	0.02546	3.41E-02	3.58E-02	3.90E-02
5932	485389.47	3857942.04	0.02524	3.38E-02	3.55E-02	3.86E-02
5933	485296.46	3857941.78	0.02501	3.35E-02	3.52E-02	3.83E-02
5934	485203.45	3857941.52	0.02479	3.32E-02	3.49E-02	3.80E-02
5935	485110.43	3857941.26	0.02455	3.29E-02	3.45E-02	3.76E-02
5936	485017.42	3857940.99	0.02431	3.25E-02	3.42E-02	3.72E-02
5937	484924.41	3857940.73	0.02407	3.22E-02	3.39E-02	3.69E-02
5938	484831.39	3857940.47	0.02386	3.19E-02	3.36E-02	3.65E-02
5939	484738.12	3857859.3	0.02365	3.17E-02	3.33E-02	3.62E-02
5940	484737.85	3857778.4	0.02364	3.16E-02	3.33E-02	3.62E-02
5941	484737.59	3857697.49	0.02362	3.16E-02	3.32E-02	3.62E-02
5942	484737.32	3857616.59	0.02359	3.16E-02	3.32E-02	3.61E-02
5943	484645.53	3857535.18	0.02346	3.14E-02	3.30E-02	3.59E-02
5944	484553.99	3857534.67	0.02335	3.13E-02	3.29E-02	3.58E-02
5945	484462.46	3857534.17	0.02327	3.11E-02	3.27E-02	3.56E-02
5946	484370.93	3857533.66	0.0232	3.11E-02	3.26E-02	3.55E-02
5947	484279.4	3857533.16	0.02314	3.10E-02	3.26E-02	3.54E-02
5948	484187.86	3857532.65	0.02308	3.09E-02	3.25E-02	3.53E-02
5949	484096.33	3857532.15	0.02303	3.08E-02	3.24E-02	3.53E-02
5950	484004.8	3857531.64	0.02296	3.07E-02	3.23E-02	3.52E-02
5951	483913.27	3857531.14	0.02286	3.06E-02	3.22E-02	3.50E-02
5952	483821.73	3857530.63	0.02277	3.05E-02	3.20E-02	3.49E-02
5953	483729.61	3857450.11	0.02281	3.05E-02	3.21E-02	3.49E-02
5954	483729.03	3857370.08	0.02298	3.08E-02	3.23E-02	3.52E-02
5955	483728.44	3857290.06	0.02312	3.09E-02	3.25E-02	3.54E-02
5956	483727.86	3857210.03	0.02326	3.11E-02	3.27E-02	3.56E-02
5957	483641.15	3857129.07	0.02339	3.13E-02	3.29E-02	3.58E-02
5958	483555.03	3857128.14	0.02333	3.12E-02	3.28E-02	3.57E-02
5959	483468.91	3857127.2	0.02323	3.11E-02	3.27E-02	3.56E-02
5960	483382.78	3857126.26	0.02317	3.10E-02	3.26E-02	3.55E-02
5961	483296.66	3857125.32	0.02308	3.09E-02	3.25E-02	3.53E-02
5962	483210.54	3857124.39	0.02298	3.08E-02	3.23E-02	3.52E-02
5963	483123.4	3857030.96	0.02316	3.10E-02	3.26E-02	3.55E-02
5964	483122.38	3856938.46	0.02346	3.14E-02	3.30E-02	3.59E-02
5965	483121.35	3856845.97	0.02379	3.18E-02	3.35E-02	3.64E-02
5966	483120.33	3856753.47	0.02412	3.23E-02	3.39E-02	3.69E-02
5967	483119.31	3856660.98	0.02451	3.28E-02	3.45E-02	3.75E-02
5968	483118.29	3856568.49	0.02498	3.34E-02	3.51E-02	3.82E-02
5969	483117.26	3856475.99	0.02554	3.42E-02	3.59E-02	3.91E-02
5970	483116.24	3856383.5	0.02614	3.50E-02	3.68E-02	4.00E-02
5971	483115.22	3856291.01	0.0268	3.59E-02	3.77E-02	4.10E-02
5972	483114.2	3856198.51	0.0275	3.68E-02	3.87E-02	4.21E-02
5973	483113.17	3856106.02	0.02832	3.79E-02	3.98E-02	4.34E-02
5974	483112.15	3856013.52	0.02914	3.90E-02	4.10E-02	4.46E-02
5975	483029.25	3855920.47	0.02993	4.01E-02	4.21E-02	4.58E-02
5976	482947.37	3855919.91	0.02984	3.99E-02	4.20E-02	4.57E-02
5977	482865.49	3855919.36	0.02977	3.98E-02	4.19E-02	4.56E-02
5978	482783.61	3855918.8	0.02976	3.98E-02	4.19E-02	4.56E-02
5979	482700.33	3855818.39	0.03077	4.12E-02	4.33E-02	4.71E-02
5980	482698.92	3855718.54	0.03193	4.27E-02	4.49E-02	4.89E-02
5981	482697.52	3855618.68	0.03311	4.43E-02	4.66E-02	5.07E-02

5982	482696.11	3855518.83	0.03443	4.61E-02	4.84E-02	5.27E-02
5983	482694.71	3855418.98	0.03577	4.79E-02	5.03E-02	5.48E-02
5984	482693.3	3855319.13	0.03721	4.98E-02	5.24E-02	5.70E-02
5985	482691.9	3855219.27	0.03882	5.20E-02	5.46E-02	5.94E-02
5986	482690.49	3855119.42	0.04053	5.42E-02	5.70E-02	6.21E-02
5987	482689.09	3855019.57	0.04254	5.69E-02	5.99E-02	6.51E-02
5988	482687.68	3854919.71	0.04469	5.98E-02	6.29E-02	6.84E-02
5989	482686.28	3854819.86	0.0472	6.32E-02	6.64E-02	7.23E-02
5990	482684.88	3854720.01	0.04987	6.67E-02	7.02E-02	7.64E-02
5991	482683.47	3854620.16	0.0531	7.11E-02	7.47E-02	8.13E-02
5992	482682.07	3854520.31	0.05669	7.59E-02	7.98E-02	8.68E-02
5993	482680.66	3854420.45	0.06091	8.15E-02	8.57E-02	9.33E-02
5994	482679.26	3854320.6	0.06594	8.83E-02	9.28E-02	1.01E-01
5995	482677.85	3854220.75	0.07229	9.68E-02	1.02E-01	1.11E-01
5996	482676.45	3854120.9	0.07987	1.07E-01	1.12E-01	1.22E-01
5997	482675.04	3854021.04	0.08958	1.20E-01	1.26E-01	1.37E-01
5998	482673.64	3853921.19	0.10221	1.37E-01	1.44E-01	1.57E-01
5999	482672.23	3853821.34	0.12113	1.62E-01	1.70E-01	1.85E-01
6000	482670.83	3853721.48	0.15063	2.02E-01	2.12E-01	2.31E-01
6001	482669.42	3853621.63	0.20031	2.68E-01	2.82E-01	3.07E-01
6002	482645.99	3853446.13	0.39074	5.23E-01	5.50E-01	5.98E-01
6003	482623.97	3853370.48	0.46557	6.23E-01	6.55E-01	7.13E-01
6004	482601.94	3853294.84	0.52847	7.07E-01	7.44E-01	8.09E-01
6005	482531.29	3853133.44	0.63388	8.48E-01	8.92E-01	9.71E-01
6006	482482.68	3853047.69	0.70617	9.45E-01	9.94E-01	1.08E+00
6007	482383.09	3852897.4	0.87998	1.18E+00	1.24E+00	1.35E+00
6008	482265.64	3852765.26	0.94046	1.26E+00	1.32E+00	1.44E+00
6009	482199.16	3852697.66	0.93956	1.26E+00	1.32E+00	1.44E+00
6010	482132.69	3852630.07	0.9451	1.26E+00	1.33E+00	1.45E+00
6011	482066.21	3852562.48	0.93859	1.26E+00	1.32E+00	1.44E+00
6012	481999.74	3852494.89	0.92125	1.23E+00	1.30E+00	1.41E+00
6013	481933.26	3852427.29	0.89959	1.20E+00	1.27E+00	1.38E+00
6014	481866.79	3852359.7	0.89406	1.20E+00	1.26E+00	1.37E+00
6015	481800.31	3852292.11	0.89109	1.19E+00	1.25E+00	1.36E+00
6016	481733.84	3852224.52	0.88532	1.18E+00	1.25E+00	1.36E+00
6017	481667.36	3852156.92	0.90296	1.21E+00	1.27E+00	1.38E+00
6018	481600.89	3852089.33	0.89414	1.20E+00	1.26E+00	1.37E+00
6019	481534.41	3852021.74	0.88612	1.19E+00	1.25E+00	1.36E+00
6020	481467.94	3851954.15	0.89215	1.19E+00	1.26E+00	1.37E+00
6021	481401.46	3851886.55	0.91936	1.23E+00	1.29E+00	1.41E+00
6022	481265.87	3851761.43	0.93963	1.26E+00	1.32E+00	1.44E+00
6023	481196.74	3851703.89	0.95715	1.28E+00	1.35E+00	1.47E+00
6024	481076.33	3851619.04	0.96073	1.29E+00	1.35E+00	1.47E+00
6025	480939.8	3851549.07	0.91586	1.23E+00	1.29E+00	1.40E+00
6026	480854.56	3851506.41	0.91343	1.22E+00	1.29E+00	1.40E+00
6027	480769.32	3851463.75	0.9258	1.24E+00	1.30E+00	1.42E+00
6028	480684.08	3851421.08	0.94128	1.26E+00	1.32E+00	1.44E+00
6029	480598.84	3851378.42	0.93874	1.26E+00	1.32E+00	1.44E+00
6030	480435.71	3851275.01	1.11096	1.49E+00	1.56E+00	1.70E+00
6031	480347.85	3851232.36	1.10592	1.48E+00	1.56E+00	1.69E+00
6032	480260	3851189.72	1.10329	1.48E+00	1.55E+00	1.69E+00
6033	480172.15	3851147.07	1.1004	1.47E+00	1.55E+00	1.68E+00
6034	480084.29	3851104.42	1.10352	1.48E+00	1.55E+00	1.69E+00
6035	479996.44	3851061.77	1.10717	1.48E+00	1.56E+00	1.70E+00
6036	479908.58	3851019.13	1.15791	1.55E+00	1.63E+00	1.77E+00
6037	479820.73	3850976.48	1.15611	1.55E+00	1.63E+00	1.77E+00
6038	479732.88	3850933.83	1.15796	1.55E+00	1.63E+00	1.77E+00
6039	479645.02	3850891.18	1.15939	1.55E+00	1.63E+00	1.78E+00
6040	479557.17	3850848.54	1.14967	1.54E+00	1.62E+00	1.76E+00
6041	479469.32	3850805.89	1.17751	1.58E+00	1.66E+00	1.80E+00
6042	479381.46	3850763.24	1.16516	1.56E+00	1.64E+00	1.78E+00
6043	479293.61	3850720.59	1.13209	1.52E+00	1.59E+00	1.73E+00
6044	479205.76	3850677.95	1.1065	1.48E+00	1.56E+00	1.69E+00

6045	479117.9	3850635.3	1.06019	1.42E+00	1.49E+00	1.62E+00
6046	479030.05	3850592.65	1.03387	1.38E+00	1.45E+00	1.58E+00
6047	478942.19	3850550	1.05515	1.41E+00	1.48E+00	1.62E+00
6048	478854.34	3850507.36	1.16502	1.56E+00	1.64E+00	1.78E+00
6049	478766.49	3850464.71	1.18508	1.59E+00	1.67E+00	1.81E+00
6050	478678.63	3850422.06	1.18558	1.59E+00	1.67E+00	1.82E+00
6051	478590.78	3850379.41	1.19513	1.60E+00	1.68E+00	1.83E+00
6052	478502.93	3850336.77	1.19119	1.59E+00	1.68E+00	1.82E+00
6053	478415.07	3850294.12	1.17731	1.58E+00	1.66E+00	1.80E+00
6054	478327.22	3850251.47	1.19372	1.60E+00	1.68E+00	1.83E+00
6055	478239.36	3850208.82	1.20269	1.61E+00	1.69E+00	1.84E+00
6056	478151.51	3850166.18	1.20745	1.62E+00	1.70E+00	1.85E+00
6057	478063.66	3850123.53	1.21272	1.62E+00	1.71E+00	1.86E+00
6058	477975.8	3850080.88	1.1523	1.54E+00	1.62E+00	1.76E+00
6059	477887.95	3850038.23	1.14217	1.53E+00	1.61E+00	1.75E+00
6060	477800.1	3849995.59	1.11777	1.50E+00	1.57E+00	1.71E+00
6061	477712.24	3849952.94	1.12256	1.50E+00	1.58E+00	1.72E+00
6062	477624.39	3849910.29	1.11952	1.50E+00	1.58E+00	1.71E+00
6063	477536.54	3849867.64	1.09926	1.47E+00	1.55E+00	1.68E+00
6064	477448.68	3849825	1.09654	1.47E+00	1.54E+00	1.68E+00
6065	477360.83	3849782.35	1.09061	1.46E+00	1.53E+00	1.67E+00
6066	477272.97	3849739.7	1.08721	1.46E+00	1.53E+00	1.66E+00
6067	477185.12	3849697.05	1.0827	1.45E+00	1.52E+00	1.66E+00
6068	477097.27	3849654.41	1.09471	1.47E+00	1.54E+00	1.68E+00
6069	477009.41	3849611.76	1.14329	1.53E+00	1.61E+00	1.75E+00
6070	476841.49	3849530.08	1.17434	1.57E+00	1.65E+00	1.80E+00
6071	476761.41	3849491.05	1.18519	1.59E+00	1.67E+00	1.81E+00
6072	476681.34	3849452.02	1.23687	1.66E+00	1.74E+00	1.89E+00
6073	476601.26	3849412.99	1.34179	1.80E+00	1.89E+00	2.05E+00
6074	476456.32	3849353.67	1.60531	2.15E+00	2.26E+00	2.46E+00
6075	476305.43	3849318.83	1.52461	2.04E+00	2.15E+00	2.33E+00
6076	476129.36	3849289.99	1.50113	2.01E+00	2.11E+00	2.30E+00
6077	476039.31	3849275.68	1.47012	1.97E+00	2.07E+00	2.25E+00
6078	475949.26	3849261.38	1.52734	2.04E+00	2.15E+00	2.34E+00
6079	475859.21	3849247.08	1.46969	1.97E+00	2.07E+00	2.25E+00
6080	475769.16	3849232.77	1.41447	1.89E+00	1.99E+00	2.17E+00
6081	475585.22	3849219.27	0.77101	1.03E+00	1.08E+00	1.18E+00
6082	475444.49	3849150.35	1.45969	1.95E+00	2.05E+00	2.24E+00
6083	475334.17	3849118.71	1.10098	1.47E+00	1.55E+00	1.69E+00
6084	475230.47	3849060.56	1.10428	1.48E+00	1.55E+00	1.69E+00
6085	475110.86	3848960.97	1.31973	1.77E+00	1.86E+00	2.02E+00
6086	475037.79	3848896.28	1.37262	1.84E+00	1.93E+00	2.10E+00
6087	474964.72	3848831.59	1.41917	1.90E+00	2.00E+00	2.17E+00
6088	474891.65	3848766.9	1.41539	1.89E+00	1.99E+00	2.17E+00
6089	474818.58	3848702.21	1.42696	1.91E+00	2.01E+00	2.18E+00
6090	474745.51	3848637.53	1.28911	1.73E+00	1.81E+00	1.97E+00
6091	474672.44	3848572.84	1.2703	1.70E+00	1.79E+00	1.95E+00
6092	474599.37	3848508.15	1.30688	1.75E+00	1.84E+00	2.00E+00
6093	474526.3	3848443.46	1.30116	1.74E+00	1.83E+00	1.99E+00

			NO2		2028 RD	2033 RD	2048 RD
			1st	Rates (g/s)	1.34E+00	1.41E+00	1.53E+00
			Concentration [ug/m^3] at 1 g/s				
	X	Y	Leads (SLINE1A, 1B)		Leads	Leads	Leads
1	485973.61	3854936.51	7.24204		9.69E+00	1.02E+01	1.11E+01
2	486023.61	3854936.51	7.22358		9.67E+00	1.02E+01	1.11E+01
3	486073.61	3854936.51	7.188		9.62E+00	1.01E+01	1.10E+01
4	486123.61	3854936.51	7.02209		9.40E+00	9.88E+00	1.08E+01
5	486173.61	3854936.51	6.9381		9.29E+00	9.76E+00	1.06E+01
6	486223.61	3854936.51	6.86591		9.19E+00	9.66E+00	1.05E+01
7	486273.61	3854936.51	6.84948		9.17E+00	9.64E+00	1.05E+01
8	486323.61	3854936.51	6.82801		9.14E+00	9.61E+00	1.05E+01
9	485973.61	3854986.51	7.18563		9.62E+00	1.01E+01	1.10E+01
10	486023.61	3854986.51	7.17994		9.61E+00	1.01E+01	1.10E+01
11	486073.61	3854986.51	7.17921		9.61E+00	1.01E+01	1.10E+01
12	486123.61	3854986.51	7.14258		9.56E+00	1.01E+01	1.09E+01
13	486173.61	3854986.51	7.09732		9.50E+00	9.99E+00	1.09E+01
14	486223.61	3854986.51	6.95919		9.31E+00	9.79E+00	1.07E+01
15	486273.61	3854986.51	6.82688		9.14E+00	9.61E+00	1.05E+01
16	486323.61	3854986.51	6.82693		9.14E+00	9.61E+00	1.05E+01
17	485973.61	3855036.51	7.23029		9.68E+00	1.02E+01	1.11E+01
18	486023.61	3855036.51	7.17696		9.61E+00	1.01E+01	1.10E+01
19	486073.61	3855036.51	7.07276		9.47E+00	9.95E+00	1.08E+01
20	486123.61	3855036.51	7.09617		9.50E+00	9.98E+00	1.09E+01
21	486173.61	3855036.51	7.12396		9.53E+00	1.00E+01	1.09E+01
22	486223.61	3855036.51	7.04611		9.43E+00	9.91E+00	1.08E+01
23	486273.61	3855036.51	6.99576		9.36E+00	9.84E+00	1.07E+01
24	486323.61	3855036.51	6.85259		9.17E+00	9.64E+00	1.05E+01
25	485973.61	3855086.51	7.19816		9.63E+00	1.01E+01	1.10E+01
26	486023.61	3855086.51	7.1823		9.61E+00	1.01E+01	1.10E+01
27	486073.61	3855086.51	7.12917		9.54E+00	1.00E+01	1.09E+01
28	486123.61	3855086.51	7.07044		9.46E+00	9.95E+00	1.08E+01
29	486173.61	3855086.51	7.02885		9.41E+00	9.89E+00	1.08E+01
30	486223.61	3855086.51	7.05775		9.45E+00	9.93E+00	1.08E+01
31	485973.61	3855136.51	7.22235		9.67E+00	1.02E+01	1.11E+01
32	486023.61	3855136.51	7.15734		9.58E+00	1.01E+01	1.10E+01
33	486073.61	3855136.51	7.11956		9.53E+00	1.00E+01	1.09E+01
34	486123.61	3855136.51	7.1056		9.51E+00	1.00E+01	1.09E+01
35	486173.61	3855136.51	7.04794		9.43E+00	9.92E+00	1.08E+01
36	486223.61	3855136.51	6.96675		9.32E+00	9.80E+00	1.07E+01
37	485973.61	3855186.51	7.14425		9.56E+00	1.01E+01	1.09E+01
38	486023.61	3855186.51	7.17582		9.60E+00	1.01E+01	1.10E+01
39	486073.61	3855186.51	7.11801		9.53E+00	1.00E+01	1.09E+01
40	486123.61	3855186.51	7.05262		9.44E+00	9.92E+00	1.08E+01
41	486173.61	3855186.51	7.02554		9.40E+00	9.89E+00	1.08E+01
42	486223.61	3855186.51	7.00334		9.37E+00	9.85E+00	1.07E+01
43	486273.61	3855186.51	6.92133		9.26E+00	9.74E+00	1.06E+01
44	486323.61	3855186.51	6.96207		9.32E+00	9.80E+00	1.07E+01
45	485973.61	3855236.51	7.04847		9.43E+00	9.92E+00	1.08E+01
46	486023.61	3855236.51	7.04109		9.42E+00	9.91E+00	1.08E+01
47	486073.61	3855236.51	7.06305		9.45E+00	9.94E+00	1.08E+01
48	486123.61	3855236.51	7.05001		9.44E+00	9.92E+00	1.08E+01
49	486173.61	3855236.51	6.9912		9.36E+00	9.84E+00	1.07E+01
50	486223.61	3855236.51	6.95782		9.31E+00	9.79E+00	1.07E+01
51	486273.61	3855236.51	6.90179		9.24E+00	9.71E+00	1.06E+01
52	486323.61	3855236.51	6.96375		9.32E+00	9.80E+00	1.07E+01
53	485973.61	3855286.51	7.10455		9.51E+00	1.00E+01	1.09E+01
54	486023.61	3855286.51	6.97635		9.34E+00	9.82E+00	1.07E+01
55	486073.61	3855286.51	6.94944		9.30E+00	9.78E+00	1.06E+01
56	486123.61	3855286.51	6.96251		9.32E+00	9.80E+00	1.07E+01
57	486173.61	3855286.51	6.96769		9.33E+00	9.80E+00	1.07E+01
58	486223.61	3855286.51	6.93339		9.28E+00	9.76E+00	1.06E+01
59	486123.61	3855336.51	6.83846		9.15E+00	9.62E+00	1.05E+01

60	486173.61	3855336.51	6.85524	9.18E+00	9.65E+00	1.05E+01
61	486223.61	3855336.51	6.89309	9.23E+00	9.70E+00	1.06E+01
62	486123.61	3855386.51	6.86917	9.19E+00	9.67E+00	1.05E+01
63	486173.61	3855386.51	6.75418	9.04E+00	9.50E+00	1.03E+01
64	486223.61	3855386.51	6.76584	9.06E+00	9.52E+00	1.04E+01
65	486533.18	3855443.15	6.71111	8.98E+00	9.44E+00	1.03E+01
66	486583.18	3855443.15	6.71318	8.99E+00	9.45E+00	1.03E+01
67	486633.18	3855443.15	6.68174	8.94E+00	9.40E+00	1.02E+01
68	486683.18	3855443.15	6.6161	8.86E+00	9.31E+00	1.01E+01
69	486533.18	3855493.15	6.67943	8.94E+00	9.40E+00	1.02E+01
70	486583.18	3855493.15	6.65865	8.91E+00	9.37E+00	1.02E+01
71	486633.18	3855493.15	6.64424	8.89E+00	9.35E+00	1.02E+01
72	486683.18	3855493.15	6.63916	8.89E+00	9.34E+00	1.02E+01
73	486533.18	3855543.15	6.6426	8.89E+00	9.35E+00	1.02E+01
74	486583.18	3855543.15	6.62491	8.87E+00	9.32E+00	1.01E+01
75	486633.18	3855543.15	6.58967	8.82E+00	9.27E+00	1.01E+01
76	486683.18	3855543.15	6.55527	8.77E+00	9.22E+00	1.00E+01
77	486533.18	3855593.15	6.48915	8.69E+00	9.13E+00	9.94E+00
78	486583.18	3855593.15	6.55088	8.77E+00	9.22E+00	1.00E+01
79	486633.18	3855593.15	6.56445	8.79E+00	9.24E+00	1.01E+01
80	486683.18	3855593.15	6.53449	8.75E+00	9.19E+00	1.00E+01
81	486533.18	3855643.15	6.39177	8.55E+00	8.99E+00	9.79E+00
82	486583.18	3855643.15	6.39016	8.55E+00	8.99E+00	9.78E+00
83	486633.18	3855643.15	6.45715	8.64E+00	9.09E+00	9.89E+00
84	486683.18	3855643.15	6.49607	8.69E+00	9.14E+00	9.95E+00
85	486533.18	3855693.15	6.43896	8.62E+00	9.06E+00	9.86E+00
86	486583.18	3855693.15	6.35177	8.50E+00	8.94E+00	9.73E+00
87	486633.18	3855693.15	6.29101	8.42E+00	8.85E+00	9.63E+00
88	486683.18	3855693.15	6.35322	8.50E+00	8.94E+00	9.73E+00
89	486733.18	3855693.15	6.42801	8.60E+00	9.04E+00	9.84E+00
90	486783.18	3855693.15	6.45799	8.64E+00	9.09E+00	9.89E+00
91	486533.18	3855743.15	6.40564	8.57E+00	9.01E+00	9.81E+00
92	486583.18	3855743.15	6.36281	8.52E+00	8.95E+00	9.74E+00
93	486633.18	3855743.15	6.30245	8.44E+00	8.87E+00	9.65E+00
94	486683.18	3855743.15	6.23498	8.35E+00	8.77E+00	9.55E+00
95	486733.18	3855743.15	6.25054	8.37E+00	8.79E+00	9.57E+00
96	486783.18	3855743.15	6.34738	8.50E+00	8.93E+00	9.72E+00
97	486533.18	3855793.15	6.43251	8.61E+00	9.05E+00	9.85E+00
98	486583.18	3855793.15	6.33064	8.47E+00	8.91E+00	9.69E+00
99	486633.18	3855793.15	6.29938	8.43E+00	8.86E+00	9.65E+00
100	486683.18	3855793.15	6.27992	8.41E+00	8.84E+00	9.62E+00
101	486733.18	3855793.15	6.20477	8.30E+00	8.73E+00	9.50E+00
102	486783.18	3855793.15	6.17617	8.27E+00	8.69E+00	9.46E+00
103	486533.18	3855843.15	6.36427	8.52E+00	8.95E+00	9.74E+00
104	486583.18	3855843.15	6.36351	8.52E+00	8.95E+00	9.74E+00
105	486633.18	3855843.15	6.30823	8.44E+00	8.88E+00	9.66E+00
106	486683.18	3855843.15	6.22965	8.34E+00	8.77E+00	9.54E+00
107	486733.18	3855843.15	6.22858	8.34E+00	8.76E+00	9.54E+00
108	486783.18	3855843.15	6.17479	8.26E+00	8.69E+00	9.45E+00
109	486533.18	3855893.15	6.21317	8.32E+00	8.74E+00	9.51E+00
110	486583.18	3855893.15	6.27614	8.40E+00	8.83E+00	9.61E+00
111	486633.18	3855893.15	6.29676	8.43E+00	8.86E+00	9.64E+00
112	486683.18	3855893.15	6.26128	8.38E+00	8.81E+00	9.59E+00
113	486733.18	3855893.15	6.16779	8.26E+00	8.68E+00	9.44E+00
114	486783.18	3855893.15	6.14883	8.23E+00	8.65E+00	9.42E+00
115	486533.18	3855943.15	6.07168	8.13E+00	8.54E+00	9.30E+00
116	486583.18	3855943.15	6.09308	8.16E+00	8.57E+00	9.33E+00
117	486633.18	3855943.15	6.16623	8.25E+00	8.68E+00	9.44E+00
118	486683.18	3855943.15	6.19929	8.30E+00	8.72E+00	9.49E+00
119	486733.18	3855943.15	6.18495	8.28E+00	8.70E+00	9.47E+00
120	486783.18	3855943.15	6.10862	8.18E+00	8.60E+00	9.35E+00
121	486533.18	3855993.15	5.94032	7.95E+00	8.36E+00	9.10E+00
122	486583.18	3855993.15	5.95543	7.97E+00	8.38E+00	9.12E+00

123	486633.18	3855993.15	5.97341	7.99E+00	8.40E+00	9.15E+00
124	486683.18	3855993.15	6.04772	8.09E+00	8.51E+00	9.26E+00
125	486733.18	3855993.15	6.08803	8.15E+00	8.57E+00	9.32E+00
126	486783.18	3855993.15	6.08661	8.15E+00	8.56E+00	9.32E+00
127	486533.18	3856043.15	5.87694	7.87E+00	8.27E+00	9.00E+00
128	486583.18	3856043.15	5.85549	7.84E+00	8.24E+00	8.97E+00
129	486633.18	3856043.15	5.84595	7.82E+00	8.23E+00	8.95E+00
130	486683.18	3856043.15	5.85656	7.84E+00	8.24E+00	8.97E+00
131	486733.18	3856043.15	5.91813	7.92E+00	8.33E+00	9.06E+00
132	486783.18	3856043.15	5.95355	7.97E+00	8.38E+00	9.12E+00
133	486533.18	3856093.15	5.80805	7.77E+00	8.17E+00	8.89E+00
134	486583.18	3856093.15	5.76117	7.71E+00	8.11E+00	8.82E+00
135	486633.18	3856093.15	5.76702	7.72E+00	8.11E+00	8.83E+00
136	486683.18	3856093.15	5.72539	7.66E+00	8.06E+00	8.77E+00
137	486733.18	3856093.15	5.73824	7.68E+00	8.07E+00	8.79E+00
138	486783.18	3856093.15	5.76941	7.72E+00	8.12E+00	8.83E+00
139	486533.18	3856143.15	5.89661	7.89E+00	8.30E+00	9.03E+00
140	486583.18	3856143.15	5.75456	7.70E+00	8.10E+00	8.81E+00
141	486633.18	3856143.15	5.66326	7.58E+00	7.97E+00	8.67E+00
142	486683.18	3856143.15	5.66559	7.58E+00	7.97E+00	8.68E+00
143	486733.18	3856143.15	5.62759	7.53E+00	7.92E+00	8.62E+00
144	486783.18	3856143.15	5.61813	7.52E+00	7.91E+00	8.60E+00
145	486533.18	3856193.15	5.87553	7.86E+00	8.27E+00	9.00E+00
146	486583.18	3856193.15	5.81447	7.78E+00	8.18E+00	8.90E+00
147	486633.18	3856193.15	5.68034	7.60E+00	7.99E+00	8.70E+00
148	486683.18	3856193.15	5.55371	7.43E+00	7.81E+00	8.50E+00
149	486733.18	3856193.15	5.55299	7.43E+00	7.81E+00	8.50E+00
150	486783.18	3856193.15	5.51286	7.38E+00	7.76E+00	8.44E+00
151	486533.18	3856243.15	5.80943	7.78E+00	8.17E+00	8.90E+00
152	486583.18	3856243.15	5.76883	7.72E+00	8.12E+00	8.83E+00
153	486633.18	3856243.15	5.7123	7.65E+00	8.04E+00	8.75E+00
154	486683.18	3856243.15	5.59227	7.48E+00	7.87E+00	8.56E+00
155	486733.18	3856243.15	5.44204	7.28E+00	7.66E+00	8.33E+00
156	486783.18	3856243.15	5.42869	7.27E+00	7.64E+00	8.31E+00
157	486533.18	3856293.15	5.74189	7.69E+00	8.08E+00	8.79E+00
158	486583.18	3856293.15	5.70667	7.64E+00	8.03E+00	8.74E+00
159	486633.18	3856293.15	5.65421	7.57E+00	7.96E+00	8.66E+00
160	486683.18	3856293.15	5.60062	7.50E+00	7.88E+00	8.58E+00
161	486733.18	3856293.15	5.47812	7.33E+00	7.71E+00	8.39E+00
162	486783.18	3856293.15	5.32627	7.13E+00	7.49E+00	8.16E+00
163	486783.18	3856343.15	5.31209	7.11E+00	7.47E+00	8.13E+00
164	486833.18	3856343.15	5.16388	6.91E+00	7.27E+00	7.91E+00
165	486883.18	3856343.15	5.0738	6.79E+00	7.14E+00	7.77E+00
166	486783.18	3856393.15	5.26561	7.05E+00	7.41E+00	8.06E+00
167	486833.18	3856393.15	5.17353	6.92E+00	7.28E+00	7.92E+00
168	486883.18	3856393.15	5.05868	6.77E+00	7.12E+00	7.75E+00
169	487208.74	3856886.11	4.34873	5.82E+00	6.12E+00	6.66E+00
170	487258.74	3856886.11	4.278	5.73E+00	6.02E+00	6.55E+00
171	487308.74	3856886.11	4.20016	5.62E+00	5.91E+00	6.43E+00
172	487358.74	3856886.11	4.11603	5.51E+00	5.79E+00	6.30E+00
173	487208.74	3856936.11	4.44257	5.95E+00	6.25E+00	6.80E+00
174	487258.74	3856936.11	4.40669	5.90E+00	6.20E+00	6.75E+00
175	487308.74	3856936.11	4.3321	5.80E+00	6.10E+00	6.63E+00
176	487358.74	3856936.11	4.25098	5.69E+00	5.98E+00	6.51E+00
177	487208.74	3856986.11	4.562	6.11E+00	6.42E+00	6.99E+00
178	487258.74	3856986.11	4.54454	6.08E+00	6.39E+00	6.96E+00
179	487308.74	3856986.11	4.47688	5.99E+00	6.30E+00	6.85E+00
180	487358.74	3856986.11	4.42423	5.92E+00	6.23E+00	6.77E+00
181	487208.74	3857036.11	4.69088	6.28E+00	6.60E+00	7.18E+00
182	487258.74	3857036.11	4.69865	6.29E+00	6.61E+00	7.19E+00
183	487308.74	3857036.11	4.67352	6.26E+00	6.58E+00	7.16E+00
184	487358.74	3857036.11	4.61276	6.17E+00	6.49E+00	7.06E+00
185	487427.14	3856878.23	3.96136	5.30E+00	5.57E+00	6.07E+00

186	487477.14	3856878.23	3.95604	5.29E+00	5.57E+00	6.06E+00
187	487527.14	3856878.23	3.94915	5.29E+00	5.56E+00	6.05E+00
188	487427.14	3856928.23	4.16098	5.57E+00	5.85E+00	6.37E+00
189	487477.14	3856928.23	4.05085	5.42E+00	5.70E+00	6.20E+00
190	487527.14	3856928.23	3.94896	5.29E+00	5.56E+00	6.05E+00
191	487577.14	3856928.23	3.91445	5.24E+00	5.51E+00	5.99E+00
192	487627.14	3856928.23	3.89415	5.21E+00	5.48E+00	5.96E+00
193	487677.14	3856928.23	3.86303	5.17E+00	5.44E+00	5.92E+00
194	487727.14	3856928.23	3.82515	5.12E+00	5.38E+00	5.86E+00
195	487777.14	3856928.23	3.78025	5.06E+00	5.32E+00	5.79E+00
196	487427.14	3856978.23	4.34669	5.82E+00	6.12E+00	6.66E+00
197	487477.14	3856978.23	4.27301	5.72E+00	6.01E+00	6.54E+00
198	487527.14	3856978.23	4.16864	5.58E+00	5.87E+00	6.38E+00
199	487577.14	3856978.23	4.04677	5.42E+00	5.69E+00	6.20E+00
200	487627.14	3856978.23	3.9126	5.24E+00	5.51E+00	5.99E+00
201	487677.14	3856978.23	3.86383	5.17E+00	5.44E+00	5.92E+00
202	487727.14	3856978.23	3.83721	5.14E+00	5.40E+00	5.88E+00
203	487777.14	3856978.23	3.7974	5.08E+00	5.34E+00	5.81E+00
204	487427.14	3857028.23	4.52447	6.06E+00	6.37E+00	6.93E+00
205	487477.14	3857028.23	4.48549	6.00E+00	6.31E+00	6.87E+00
206	487527.14	3857028.23	4.38885	5.87E+00	6.18E+00	6.72E+00
207	487577.14	3857028.23	4.27353	5.72E+00	6.01E+00	6.54E+00
208	487627.14	3857028.23	4.12641	5.52E+00	5.81E+00	6.32E+00
209	487677.14	3857028.23	4.00474	5.36E+00	5.63E+00	6.13E+00
210	487727.14	3857028.23	3.90678	5.23E+00	5.50E+00	5.98E+00
211	487777.14	3857028.23	3.82694	5.12E+00	5.38E+00	5.86E+00
212	487427.14	3857078.23	4.69082	6.28E+00	6.60E+00	7.18E+00
213	487477.14	3857078.23	4.65856	6.24E+00	6.55E+00	7.13E+00
214	487527.14	3857078.23	4.60648	6.17E+00	6.48E+00	7.05E+00
215	487577.14	3857078.23	4.50083	6.02E+00	6.33E+00	6.89E+00
216	487627.14	3857078.23	4.36427	5.84E+00	6.14E+00	6.68E+00
217	487677.14	3857078.23	4.23347	5.67E+00	5.96E+00	6.48E+00
218	487727.14	3857078.23	4.11172	5.50E+00	5.79E+00	6.30E+00
219	487777.14	3857078.23	3.98994	5.34E+00	5.61E+00	6.11E+00
220	487427.14	3857128.23	4.88353	6.54E+00	6.87E+00	7.48E+00
221	487477.14	3857128.23	4.82379	6.46E+00	6.79E+00	7.39E+00
222	487527.14	3857128.23	4.78277	6.40E+00	6.73E+00	7.32E+00
223	487577.14	3857128.23	4.7158	6.31E+00	6.64E+00	7.22E+00
224	487627.14	3857128.23	4.60451	6.16E+00	6.48E+00	7.05E+00
225	487677.14	3857128.23	4.45921	5.97E+00	6.27E+00	6.83E+00
226	487727.14	3857128.23	4.33958	5.81E+00	6.11E+00	6.64E+00
227	487777.14	3857128.23	4.19653	5.62E+00	5.90E+00	6.43E+00
228	488049.44	3856539.39	4.2187	5.65E+00	5.94E+00	6.46E+00
229	488099.44	3856539.39	4.19426	5.61E+00	5.90E+00	6.42E+00
230	488149.44	3856539.39	4.13617	5.54E+00	5.82E+00	6.33E+00
231	488049.44	3856589.39	4.15687	5.56E+00	5.85E+00	6.36E+00
232	488099.44	3856589.39	4.13156	5.53E+00	5.81E+00	6.33E+00
233	488149.44	3856589.39	4.09933	5.49E+00	5.77E+00	6.28E+00
234	488199.44	3856589.39	4.0651	5.44E+00	5.72E+00	6.22E+00
235	488249.44	3856589.39	3.97636	5.32E+00	5.59E+00	6.09E+00
236	488049.44	3856639.39	4.09242	5.48E+00	5.76E+00	6.27E+00
237	488099.44	3856639.39	4.06716	5.44E+00	5.72E+00	6.23E+00
238	488149.44	3856639.39	4.04496	5.41E+00	5.69E+00	6.19E+00
239	488199.44	3856639.39	3.99113	5.34E+00	5.62E+00	6.11E+00
240	488249.44	3856639.39	3.93543	5.27E+00	5.54E+00	6.03E+00
241	488299.44	3856639.39	3.85516	5.16E+00	5.42E+00	5.90E+00
242	488349.44	3856639.39	3.80411	5.09E+00	5.35E+00	5.82E+00
243	488399.44	3856639.39	3.72715	4.99E+00	5.24E+00	5.71E+00
244	488099.44	3856689.39	3.95752	5.30E+00	5.57E+00	6.06E+00
245	488149.44	3856689.39	3.9267	5.26E+00	5.53E+00	6.01E+00
246	488199.44	3856689.39	3.88834	5.20E+00	5.47E+00	5.95E+00
247	488249.44	3856689.39	3.86316	5.17E+00	5.44E+00	5.92E+00
248	488299.44	3856689.39	3.80155	5.09E+00	5.35E+00	5.82E+00

249	488349.44	3856689.39	3.74996	5.02E+00	5.28E+00	5.74E+00
250	488399.44	3856689.39	3.71523	4.97E+00	5.23E+00	5.69E+00
251	488099.44	3856739.39	3.87837	5.19E+00	5.46E+00	5.94E+00
252	488149.44	3856739.39	3.87643	5.19E+00	5.45E+00	5.94E+00
253	488199.44	3856739.39	3.83014	5.13E+00	5.39E+00	5.86E+00
254	488249.44	3856739.39	3.8051	5.09E+00	5.35E+00	5.83E+00
255	488299.44	3856739.39	3.79758	5.08E+00	5.34E+00	5.81E+00
256	488349.44	3856739.39	3.73332	5.00E+00	5.25E+00	5.72E+00
257	488399.44	3856739.39	3.66135	4.90E+00	5.15E+00	5.61E+00
258	487999.44	3856789.39	3.77636	5.05E+00	5.31E+00	5.78E+00
259	488049.44	3856789.39	3.78505	5.07E+00	5.33E+00	5.80E+00
260	488099.44	3856789.39	3.7944	5.08E+00	5.34E+00	5.81E+00
261	488149.44	3856789.39	3.80619	5.09E+00	5.36E+00	5.83E+00
262	488199.44	3856789.39	3.78511	5.07E+00	5.33E+00	5.80E+00
263	488249.44	3856789.39	3.76247	5.04E+00	5.29E+00	5.76E+00
264	488299.44	3856789.39	3.75126	5.02E+00	5.28E+00	5.74E+00
265	488349.44	3856789.39	3.68775	4.94E+00	5.19E+00	5.65E+00
266	488399.44	3856789.39	3.6386	4.87E+00	5.12E+00	5.57E+00
267	487949.44	3856839.39	3.77117	5.05E+00	5.31E+00	5.77E+00
268	487999.44	3856839.39	3.74454	5.01E+00	5.27E+00	5.73E+00
269	488049.44	3856839.39	3.70569	4.96E+00	5.21E+00	5.67E+00
270	488099.44	3856839.39	3.69394	4.94E+00	5.20E+00	5.66E+00
271	488149.44	3856839.39	3.70585	4.96E+00	5.21E+00	5.67E+00
272	488199.44	3856839.39	3.70729	4.96E+00	5.22E+00	5.68E+00
273	487949.44	3856889.39	3.72963	4.99E+00	5.25E+00	5.71E+00
274	487999.44	3856889.39	3.69098	4.94E+00	5.19E+00	5.65E+00
275	488049.44	3856889.39	3.6776	4.92E+00	5.17E+00	5.63E+00
276	488099.44	3856889.39	3.64959	4.88E+00	5.14E+00	5.59E+00
277	488635.86	3857895.05	5.31968	7.12E+00	7.49E+00	8.15E+00
278	489137.64	3857804.15	5.23494	7.01E+00	7.37E+00	8.02E+00
279	488617.32	3857859.41	5.23974	7.01E+00	7.37E+00	8.02E+00
280	488667.32	3857859.41	5.19176	6.95E+00	7.31E+00	7.95E+00
281	488717.32	3857859.41	5.16709	6.92E+00	7.27E+00	7.91E+00
282	488767.32	3857859.41	5.1838	6.94E+00	7.29E+00	7.94E+00
283	488617.32	3857909.41	5.38856	7.21E+00	7.58E+00	8.25E+00
284	488667.32	3857909.41	5.28112	7.07E+00	7.43E+00	8.09E+00
285	488717.32	3857909.41	5.24006	7.01E+00	7.37E+00	8.02E+00
286	488767.32	3857909.41	5.20941	6.97E+00	7.33E+00	7.98E+00
287	488417.32	3857959.41	6.15472	8.24E+00	8.66E+00	9.42E+00
288	488467.32	3857959.41	5.97831	8.00E+00	8.41E+00	9.15E+00
289	488517.32	3857959.41	5.82289	7.79E+00	8.19E+00	8.92E+00
290	488567.32	3857959.41	5.67051	7.59E+00	7.98E+00	8.68E+00
291	488617.32	3857959.41	5.53802	7.41E+00	7.79E+00	8.48E+00
292	488667.32	3857959.41	5.4372	7.28E+00	7.65E+00	8.33E+00
293	488717.32	3857959.41	5.36195	7.18E+00	7.54E+00	8.21E+00
294	488767.32	3857959.41	5.3241	7.13E+00	7.49E+00	8.15E+00
295	488417.32	3858009.41	6.43997	8.62E+00	9.06E+00	9.86E+00
296	488467.32	3858009.41	6.23525	8.35E+00	8.77E+00	9.55E+00
297	488517.32	3858009.41	6.06771	8.12E+00	8.54E+00	9.29E+00
298	488567.32	3858009.41	5.87252	7.86E+00	8.26E+00	8.99E+00
299	488617.32	3858009.41	5.74508	7.69E+00	8.08E+00	8.80E+00
300	488667.32	3858009.41	5.61366	7.51E+00	7.90E+00	8.60E+00
301	488717.32	3858009.41	5.48709	7.34E+00	7.72E+00	8.40E+00
302	488767.32	3858009.41	5.41727	7.25E+00	7.62E+00	8.29E+00
303	488417.32	3858059.41	6.80065	9.10E+00	9.57E+00	1.04E+01
304	488467.32	3858059.41	6.56928	8.79E+00	9.24E+00	1.01E+01
305	488517.32	3858059.41	6.3175	8.46E+00	8.89E+00	9.67E+00
306	488567.32	3858059.41	6.12667	8.20E+00	8.62E+00	9.38E+00
307	488617.32	3858059.41	5.92533	7.93E+00	8.34E+00	9.07E+00
308	488667.32	3858059.41	5.79066	7.75E+00	8.15E+00	8.87E+00
309	488417.32	3858109.41	7.27537	9.74E+00	1.02E+01	1.11E+01
310	488467.32	3858109.41	6.9653	9.32E+00	9.80E+00	1.07E+01
311	488517.32	3858109.41	6.68639	8.95E+00	9.41E+00	1.02E+01

312	488567.32	3858109.41	6.42908	8.60E+00	9.05E+00	9.84E+00
313	488617.32	3858109.41	6.18082	8.27E+00	8.70E+00	9.46E+00
314	488667.32	3858109.41	6.02205	8.06E+00	8.47E+00	9.22E+00
315	488769.93	3858449.27	8.90755	1.19E+01	1.25E+01	1.36E+01
316	488819.93	3858449.27	8.40843	1.13E+01	1.18E+01	1.29E+01
317	488819.93	3858499.27	9.24226	1.24E+01	1.30E+01	1.42E+01
318	488869.93	3858499.27	8.74795	1.17E+01	1.23E+01	1.34E+01
319	488869.93	3858549.27	9.62132	1.29E+01	1.35E+01	1.47E+01
320	489438.17	3859571.48	13.23574	1.77E+01	1.86E+01	2.03E+01
321	489488.17	3859571.48	14.01674	1.88E+01	1.97E+01	2.15E+01
322	489538.17	3859571.48	14.96414	2.00E+01	2.11E+01	2.29E+01
323	489588.17	3859571.48	16.0561	2.15E+01	2.26E+01	2.46E+01
324	489438.17	3859621.48	11.63058	1.56E+01	1.64E+01	1.78E+01
325	489488.17	3859621.48	12.27103	1.64E+01	1.73E+01	1.88E+01
326	489538.17	3859621.48	12.98439	1.74E+01	1.83E+01	1.99E+01
327	489588.17	3859621.48	13.76761	1.84E+01	1.94E+01	2.11E+01
328	489238.17	3859671.48	8.53331	1.14E+01	1.20E+01	1.31E+01
329	489288.17	3859671.48	8.86821	1.19E+01	1.25E+01	1.36E+01
330	489338.17	3859671.48	9.24948	1.24E+01	1.30E+01	1.42E+01
331	489388.17	3859671.48	9.66671	1.29E+01	1.36E+01	1.48E+01
332	489438.17	3859671.48	10.10125	1.35E+01	1.42E+01	1.55E+01
333	489488.17	3859671.48	10.58774	1.42E+01	1.49E+01	1.62E+01
334	489538.17	3859671.48	11.10825	1.49E+01	1.56E+01	1.70E+01
335	489588.17	3859671.48	11.69831	1.57E+01	1.65E+01	1.79E+01
336	489238.17	3859721.48	7.64932	1.02E+01	1.08E+01	1.17E+01
337	489288.17	3859721.48	7.95956	1.07E+01	1.12E+01	1.22E+01
338	489338.17	3859721.48	8.26344	1.11E+01	1.16E+01	1.27E+01
339	489388.17	3859721.48	8.59149	1.15E+01	1.21E+01	1.32E+01
340	489438.17	3859721.48	8.93473	1.20E+01	1.26E+01	1.37E+01
341	489488.17	3859721.48	9.33182	1.25E+01	1.31E+01	1.43E+01
342	489538.17	3859721.48	9.73166	1.30E+01	1.37E+01	1.49E+01
343	489588.17	3859721.48	10.16473	1.36E+01	1.43E+01	1.56E+01
344	489238.17	3859771.48	7.09376	9.49E+00	9.98E+00	1.09E+01
345	489288.17	3859771.48	7.34247	9.83E+00	1.03E+01	1.12E+01
346	489338.17	3859771.48	7.56885	1.01E+01	1.06E+01	1.16E+01
347	489388.17	3859771.48	7.82291	1.05E+01	1.10E+01	1.20E+01
348	489438.17	3859771.48	8.07299	1.08E+01	1.14E+01	1.24E+01
349	489488.17	3859771.48	8.37627	1.12E+01	1.18E+01	1.28E+01
350	489538.17	3859771.48	8.6507	1.16E+01	1.22E+01	1.32E+01
351	489588.17	3859771.48	8.95682	1.20E+01	1.26E+01	1.37E+01
352	489238.17	3859821.48	6.60864	8.85E+00	9.30E+00	1.01E+01
353	489288.17	3859821.48	6.81764	9.12E+00	9.59E+00	1.04E+01
354	489338.17	3859821.48	7.00687	9.38E+00	9.86E+00	1.07E+01
355	489388.17	3859821.48	7.21193	9.65E+00	1.01E+01	1.10E+01
356	489438.17	3859821.48	7.43811	9.96E+00	1.05E+01	1.14E+01
357	489488.17	3859821.48	7.65732	1.02E+01	1.08E+01	1.17E+01
358	489538.17	3859821.48	7.87526	1.05E+01	1.11E+01	1.21E+01
359	489588.17	3859821.48	8.1204	1.09E+01	1.14E+01	1.24E+01
360	489238.17	3859871.48	6.22465	8.33E+00	8.76E+00	9.53E+00
361	489288.17	3859871.48	6.38352	8.54E+00	8.98E+00	9.77E+00
362	489338.17	3859871.48	6.54877	8.77E+00	9.21E+00	1.00E+01
363	489388.17	3859871.48	6.73496	9.01E+00	9.48E+00	1.03E+01
364	489438.17	3859871.48	6.91951	9.26E+00	9.74E+00	1.06E+01
365	489488.17	3859871.48	7.07103	9.46E+00	9.95E+00	1.08E+01
366	489538.17	3859871.48	7.26216	9.72E+00	1.02E+01	1.11E+01
367	489588.17	3859871.48	7.4452	9.96E+00	1.05E+01	1.14E+01
368	489238.17	3859921.48	5.89668	7.89E+00	8.30E+00	9.03E+00
369	489288.17	3859921.48	6.05121	8.10E+00	8.51E+00	9.27E+00
370	489338.17	3859921.48	6.19234	8.29E+00	8.71E+00	9.48E+00
371	489388.17	3859921.48	6.34094	8.49E+00	8.92E+00	9.71E+00
372	489438.17	3859921.48	6.45951	8.65E+00	9.09E+00	9.89E+00
373	489488.17	3859921.48	6.58719	8.82E+00	9.27E+00	1.01E+01
374	489538.17	3859921.48	6.70152	8.97E+00	9.43E+00	1.03E+01

375	489588.17	3859921.48	6.76757	9.06E+00	9.52E+00	1.04E+01
376	489238.17	3859971.48	5.57392	7.46E+00	7.84E+00	8.53E+00
377	489288.17	3859971.48	5.692	7.62E+00	8.01E+00	8.72E+00
378	489338.17	3859971.48	5.82146	7.79E+00	8.19E+00	8.91E+00
379	489388.17	3859971.48	5.91799	7.92E+00	8.33E+00	9.06E+00
380	489438.17	3859971.48	5.91843	7.92E+00	8.33E+00	9.06E+00
381	489488.17	3859971.48	6.33019	8.47E+00	8.91E+00	9.69E+00
382	489538.17	3859971.48	6.48663	8.68E+00	9.13E+00	9.93E+00
383	489588.17	3859971.48	6.47684	8.67E+00	9.11E+00	9.92E+00
384	483577.7	3854071	15.33625	2.05E+01	2.16E+01	2.35E+01
385	483627.7	3854071	15.08415	2.02E+01	2.12E+01	2.31E+01
386	483677.7	3854071	14.83457	1.99E+01	2.09E+01	2.27E+01
387	483727.7	3854071	14.47577	1.94E+01	2.04E+01	2.22E+01
388	483777.7	3854071	13.75047	1.84E+01	1.93E+01	2.11E+01
389	483577.7	3854121	14.55009	1.95E+01	2.05E+01	2.23E+01
390	483627.7	3854121	14.96711	2.00E+01	2.11E+01	2.29E+01
391	483677.7	3854121	14.85273	1.99E+01	2.09E+01	2.27E+01
392	483727.7	3854121	14.62108	1.96E+01	2.06E+01	2.24E+01
393	483777.7	3854121	14.12813	1.89E+01	1.99E+01	2.16E+01
394	483577.7	3854171	14.52659	1.94E+01	2.04E+01	2.22E+01
395	483627.7	3854171	14.26063	1.91E+01	2.01E+01	2.18E+01
396	483677.7	3854171	14.5968	1.95E+01	2.05E+01	2.24E+01
397	483727.7	3854171	14.33033	1.92E+01	2.02E+01	2.19E+01
398	483777.7	3854171	14.05956	1.88E+01	1.98E+01	2.15E+01
399	483827.7	3854171	13.38022	1.79E+01	1.88E+01	2.05E+01
400	483877.7	3854171	12.58268	1.68E+01	1.77E+01	1.93E+01
401	483727.7	3854221	13.94736	1.87E+01	1.96E+01	2.14E+01
402	483777.7	3854221	13.62492	1.82E+01	1.92E+01	2.09E+01
403	483827.7	3854221	13.50067	1.81E+01	1.90E+01	2.07E+01
404	483877.7	3854221	12.86495	1.72E+01	1.81E+01	1.97E+01
405	489150.19	3858726.45	10.09455	1.35E+01	1.42E+01	1.55E+01
406	489200.19	3858726.45	9.44139	1.26E+01	1.33E+01	1.45E+01
407	489150.19	3858776.45	11.38784	1.52E+01	1.60E+01	1.74E+01
408	489200.19	3858776.45	10.64131	1.42E+01	1.50E+01	1.63E+01
409	488919.6	3856400.76	4.65657	6.23E+00	6.55E+00	7.13E+00
410	488919.6	3856450.76	4.54337	6.08E+00	6.39E+00	6.96E+00
411	488969.6	3856450.76	4.56584	6.11E+00	6.42E+00	6.99E+00
412	488919.6	3856500.76	4.41392	5.91E+00	6.21E+00	6.76E+00
413	488969.6	3856500.76	4.43779	5.94E+00	6.24E+00	6.80E+00
414	488919.6	3856550.76	4.28462	5.73E+00	6.03E+00	6.56E+00
415	488969.6	3856550.76	4.30908	5.77E+00	6.06E+00	6.60E+00
416	488819.6	3856600.76	4.04463	5.41E+00	5.69E+00	6.19E+00
417	488869.6	3856600.76	4.08215	5.46E+00	5.74E+00	6.25E+00
418	488919.6	3856600.76	4.12565	5.52E+00	5.81E+00	6.32E+00
419	488819.6	3856650.76	3.88723	5.20E+00	5.47E+00	5.95E+00
420	488869.6	3856650.76	3.92032	5.25E+00	5.52E+00	6.00E+00
421	488819.6	3856700.76	3.74339	5.01E+00	5.27E+00	5.73E+00
422	488869.6	3856700.76	3.78501	5.07E+00	5.33E+00	5.80E+00
423	488819.6	3856750.76	3.59494	4.81E+00	5.06E+00	5.50E+00
424	488869.6	3856750.76	3.6401	4.87E+00	5.12E+00	5.57E+00
425	488819.6	3857050.76	3.17543	4.25E+00	4.47E+00	4.86E+00
426	488869.6	3857050.76	3.15743	4.23E+00	4.44E+00	4.83E+00
427	488919.6	3857050.76	3.16833	4.24E+00	4.46E+00	4.85E+00
428	488819.6	3857100.76	3.19668	4.28E+00	4.50E+00	4.89E+00
429	488869.6	3857100.76	3.16512	4.24E+00	4.45E+00	4.85E+00
430	488919.6	3857100.76	3.18837	4.27E+00	4.49E+00	4.88E+00
431	488819.6	3857150.76	3.24445	4.34E+00	4.57E+00	4.97E+00
432	488869.6	3857150.76	3.20465	4.29E+00	4.51E+00	4.91E+00
433	488919.6	3857150.76	3.19218	4.27E+00	4.49E+00	4.89E+00
434	488969.6	3857150.76	3.22535	4.32E+00	4.54E+00	4.94E+00
435	488819.6	3857200.76	3.32409	4.45E+00	4.68E+00	5.09E+00
436	488869.6	3857200.76	3.25705	4.36E+00	4.58E+00	4.99E+00
437	488919.6	3857200.76	3.22746	4.32E+00	4.54E+00	4.94E+00

438	488969.6	3857200.76	3.23429	4.33E+00	4.55E+00	4.95E+00
439	488819.6	3857250.76	3.51997	4.71E+00	4.95E+00	5.39E+00
440	488869.6	3857250.76	3.35396	4.49E+00	4.72E+00	5.14E+00
441	488919.6	3857250.76	3.27741	4.39E+00	4.61E+00	5.02E+00
442	488969.6	3857250.76	3.25967	4.36E+00	4.59E+00	4.99E+00
443	488819.6	3857300.76	3.83513	5.13E+00	5.40E+00	5.87E+00
444	488869.6	3857300.76	3.568	4.78E+00	5.02E+00	5.46E+00
445	488919.6	3857300.76	3.39195	4.54E+00	4.77E+00	5.19E+00
446	488819.6	3857450.76	4.535	6.07E+00	6.38E+00	6.94E+00
447	488869.6	3857450.76	4.43213	5.93E+00	6.24E+00	6.79E+00
448	488919.6	3857450.76	4.22877	5.66E+00	5.95E+00	6.48E+00
449	488819.6	3857500.76	4.63092	6.20E+00	6.52E+00	7.09E+00
450	488869.6	3857500.76	4.62644	6.19E+00	6.51E+00	7.08E+00
451	488919.6	3857500.76	4.52093	6.05E+00	6.36E+00	6.92E+00
452	488819.6	3857550.76	4.65993	6.24E+00	6.56E+00	7.14E+00
453	488869.6	3857550.76	4.72916	6.33E+00	6.65E+00	7.24E+00
454	488919.6	3857550.76	4.7208	6.32E+00	6.64E+00	7.23E+00
455	489663.71	3860900.05	2.59773	3.48E+00	3.66E+00	3.98E+00
456	489813.71	3860900.05	2.71025	3.63E+00	3.81E+00	4.15E+00
457	489863.71	3860900.05	2.74155	3.67E+00	3.86E+00	4.20E+00
458	489913.71	3860900.05	2.7951	3.74E+00	3.93E+00	4.28E+00
459	489963.71	3860900.05	2.82868	3.79E+00	3.98E+00	4.33E+00
460	490013.71	3860900.05	2.88598	3.86E+00	4.06E+00	4.42E+00
461	490063.71	3860900.05	2.93321	3.93E+00	4.13E+00	4.49E+00
462	489663.71	3860950.05	2.54989	3.41E+00	3.59E+00	3.90E+00
463	489813.71	3860950.05	2.6577	3.56E+00	3.74E+00	4.07E+00
464	489863.71	3860950.05	2.68269	3.59E+00	3.77E+00	4.11E+00
465	489913.71	3860950.05	2.72626	3.65E+00	3.84E+00	4.17E+00
466	489963.71	3860950.05	2.7597	3.69E+00	3.88E+00	4.23E+00
467	490013.71	3860950.05	2.8014	3.75E+00	3.94E+00	4.29E+00
468	490063.71	3860950.05	2.84508	3.81E+00	4.00E+00	4.36E+00
469	489513.71	3861000.05	2.42398	3.24E+00	3.41E+00	3.71E+00
470	489563.71	3861000.05	2.44817	3.28E+00	3.44E+00	3.75E+00
471	489613.71	3861000.05	2.48024	3.32E+00	3.49E+00	3.80E+00
472	489663.71	3861000.05	2.50904	3.36E+00	3.53E+00	3.84E+00
473	489713.71	3861000.05	2.53368	3.39E+00	3.57E+00	3.88E+00
474	489763.71	3861000.05	2.56279	3.43E+00	3.61E+00	3.92E+00
475	489813.71	3861000.05	2.60412	3.49E+00	3.66E+00	3.99E+00
476	489863.71	3861000.05	2.6239	3.51E+00	3.69E+00	4.02E+00
477	489913.71	3861000.05	2.6606	3.56E+00	3.74E+00	4.07E+00
478	489963.71	3861000.05	2.68226	3.59E+00	3.77E+00	4.11E+00
479	490013.71	3861000.05	2.71531	3.63E+00	3.82E+00	4.16E+00
480	490063.71	3861000.05	2.74554	3.67E+00	3.86E+00	4.20E+00
481	489513.71	3861050.05	2.39106	3.20E+00	3.36E+00	3.66E+00
482	489563.71	3861050.05	2.41193	3.23E+00	3.39E+00	3.69E+00
483	489613.71	3861050.05	2.4457	3.27E+00	3.44E+00	3.74E+00
484	489663.71	3861050.05	2.46176	3.29E+00	3.46E+00	3.77E+00
485	489713.71	3861050.05	2.48029	3.32E+00	3.49E+00	3.80E+00
486	489763.71	3861050.05	2.50562	3.35E+00	3.53E+00	3.84E+00
487	489813.71	3861050.05	2.53387	3.39E+00	3.57E+00	3.88E+00
488	489863.71	3861050.05	2.5535	3.42E+00	3.59E+00	3.91E+00
489	489913.71	3861050.05	2.57468	3.45E+00	3.62E+00	3.94E+00
490	489963.71	3861050.05	2.59261	3.47E+00	3.65E+00	3.97E+00
491	490013.71	3861050.05	2.61891	3.51E+00	3.68E+00	4.01E+00
492	490063.71	3861050.05	2.63243	3.52E+00	3.70E+00	4.03E+00
493	489513.71	3861100.05	2.35963	3.16E+00	3.32E+00	3.61E+00
494	489563.71	3861100.05	2.36709	3.17E+00	3.33E+00	3.62E+00
495	489613.71	3861100.05	2.37152	3.17E+00	3.34E+00	3.63E+00
496	489663.71	3861100.05	2.3917	3.20E+00	3.37E+00	3.66E+00
497	489713.71	3861100.05	2.41098	3.23E+00	3.39E+00	3.69E+00
498	489763.71	3861100.05	2.42824	3.25E+00	3.42E+00	3.72E+00
499	489813.71	3861100.05	2.44794	3.28E+00	3.44E+00	3.75E+00
500	489863.71	3861100.05	2.47004	3.31E+00	3.48E+00	3.78E+00

501	489913.71	3861100.05	2.47198	3.31E+00	3.48E+00	3.79E+00
502	489963.71	3861100.05	2.48378	3.32E+00	3.49E+00	3.80E+00
503	490013.71	3861100.05	2.4953	3.34E+00	3.51E+00	3.82E+00
504	490063.71	3861100.05	2.51785	3.37E+00	3.54E+00	3.86E+00
505	489713.71	3861150.05	2.32739	3.12E+00	3.27E+00	3.56E+00
506	489763.71	3861150.05	2.33713	3.13E+00	3.29E+00	3.58E+00
507	489813.71	3861150.05	2.35192	3.15E+00	3.31E+00	3.60E+00
508	489863.71	3861150.05	2.36639	3.17E+00	3.33E+00	3.62E+00
509	489913.71	3861150.05	2.38201	3.19E+00	3.35E+00	3.65E+00
510	489963.71	3861150.05	2.39639	3.21E+00	3.37E+00	3.67E+00
511	490013.71	3861150.05	2.40931	3.22E+00	3.39E+00	3.69E+00
512	490063.71	3861150.05	2.42868	3.25E+00	3.42E+00	3.72E+00
513	489613.71	3861200.05	2.21592	2.97E+00	3.12E+00	3.39E+00
514	489663.71	3861200.05	2.22889	2.98E+00	3.14E+00	3.41E+00
515	489713.71	3861200.05	2.24386	3.00E+00	3.16E+00	3.44E+00
516	489763.71	3861200.05	2.26227	3.03E+00	3.18E+00	3.46E+00
517	489813.71	3861200.05	2.28273	3.06E+00	3.21E+00	3.50E+00
518	489863.71	3861200.05	2.30387	3.08E+00	3.24E+00	3.53E+00
519	489913.71	3861200.05	2.31315	3.10E+00	3.25E+00	3.54E+00
520	489963.71	3861200.05	2.31564	3.10E+00	3.26E+00	3.55E+00
521	490013.71	3861200.05	2.31971	3.10E+00	3.26E+00	3.55E+00
522	490063.71	3861200.05	2.3185	3.10E+00	3.26E+00	3.55E+00
523	489513.71	3861250.05	2.12152	2.84E+00	2.99E+00	3.25E+00
524	489563.71	3861250.05	2.13856	2.86E+00	3.01E+00	3.27E+00
525	489613.71	3861250.05	2.15654	2.89E+00	3.03E+00	3.30E+00
526	489663.71	3861250.05	2.17104	2.91E+00	3.05E+00	3.32E+00
527	489713.71	3861250.05	2.1869	2.93E+00	3.08E+00	3.35E+00
528	489763.71	3861250.05	2.20068	2.95E+00	3.10E+00	3.37E+00
529	489813.71	3861250.05	2.21131	2.96E+00	3.11E+00	3.39E+00
530	489863.71	3861250.05	2.21768	2.97E+00	3.12E+00	3.40E+00
531	489913.71	3861250.05	2.22073	2.97E+00	3.12E+00	3.40E+00
532	489963.71	3861250.05	2.21387	2.96E+00	3.12E+00	3.39E+00
533	490013.71	3861250.05	2.20455	2.95E+00	3.10E+00	3.38E+00
534	490063.71	3861250.05	2.195	2.94E+00	3.09E+00	3.36E+00
535	489528.13	3861308.47	2.06412	2.76E+00	2.90E+00	3.16E+00
536	489578.13	3861308.47	2.079	2.78E+00	2.93E+00	3.18E+00
537	489628.13	3861308.47	2.09034	2.80E+00	2.94E+00	3.20E+00
538	489678.13	3861308.47	2.10028	2.81E+00	2.96E+00	3.22E+00
539	489728.13	3861308.47	2.10538	2.82E+00	2.96E+00	3.22E+00
540	489778.13	3861308.47	2.10279	2.81E+00	2.96E+00	3.22E+00
541	489678.13	3861358.47	2.01284	2.69E+00	2.83E+00	3.08E+00
542	489728.13	3861358.47	2.00428	2.68E+00	2.82E+00	3.07E+00
543	489528.13	3861408.47	1.92987	2.58E+00	2.72E+00	2.95E+00
544	489578.13	3861408.47	1.92574	2.58E+00	2.71E+00	2.95E+00
545	489628.13	3861408.47	1.9256	2.58E+00	2.71E+00	2.95E+00
546	489678.13	3861408.47	1.91608	2.56E+00	2.70E+00	2.93E+00
547	489728.13	3861408.47	1.91296	2.56E+00	2.69E+00	2.93E+00
548	489528.13	3861458.47	1.84446	2.47E+00	2.60E+00	2.82E+00
549	489578.13	3861458.47	1.84266	2.47E+00	2.59E+00	2.82E+00
550	489628.13	3861458.47	1.83984	2.46E+00	2.59E+00	2.82E+00
551	489678.13	3861458.47	1.84407	2.47E+00	2.59E+00	2.82E+00
552	489728.13	3861458.47	1.84561	2.47E+00	2.60E+00	2.83E+00
553	489528.13	3861508.47	1.77087	2.37E+00	2.49E+00	2.71E+00
554	489578.13	3861508.47	1.76837	2.37E+00	2.49E+00	2.71E+00
555	489628.13	3861508.47	1.7775	2.38E+00	2.50E+00	2.72E+00
556	489678.13	3861508.47	1.78237	2.39E+00	2.51E+00	2.73E+00
557	489728.13	3861508.47	1.78729	2.39E+00	2.51E+00	2.74E+00
558	489628.13	3861558.47	1.72422	2.31E+00	2.43E+00	2.64E+00
559	489678.13	3861558.47	1.73654	2.32E+00	2.44E+00	2.66E+00
560	489728.13	3861558.47	1.75697	2.35E+00	2.47E+00	2.69E+00
561	489357.08	3861015.81	2.33669	3.13E+00	3.29E+00	3.58E+00
562	489407.08	3861015.81	2.35351	3.15E+00	3.31E+00	3.60E+00
563	489457.08	3861015.81	2.37683	3.18E+00	3.34E+00	3.64E+00

564	489357.08	3861065.81	2.30393	3.08E+00	3.24E+00	3.53E+00
565	489407.08	3861065.81	2.31961	3.10E+00	3.26E+00	3.55E+00
566	489457.08	3861065.81	2.34178	3.13E+00	3.30E+00	3.59E+00
567	489357.08	3861115.81	2.26525	3.03E+00	3.19E+00	3.47E+00
568	489407.08	3861115.81	2.28707	3.06E+00	3.22E+00	3.50E+00
569	489457.08	3861115.81	2.30841	3.09E+00	3.25E+00	3.53E+00
570	489407.08	3861165.81	2.24591	3.01E+00	3.16E+00	3.44E+00
571	489457.08	3861165.81	2.25748	3.02E+00	3.18E+00	3.46E+00
572	489407.08	3861215.81	2.16908	2.90E+00	3.05E+00	3.32E+00
573	489457.08	3861215.81	2.17767	2.91E+00	3.06E+00	3.33E+00
574	489407.08	3861265.81	2.07741	2.78E+00	2.92E+00	3.18E+00
575	489457.08	3861265.81	2.08965	2.80E+00	2.94E+00	3.20E+00
576	489309.86	3861110.14	2.24649	3.01E+00	3.16E+00	3.44E+00
577	489407.08	3861315.81	2.02003	2.70E+00	2.84E+00	3.09E+00
578	489457.08	3861315.81	2.03801	2.73E+00	2.87E+00	3.12E+00
579	488906.03	3861006.75	2.22682	2.98E+00	3.13E+00	3.41E+00
580	488956.03	3861006.75	2.24745	3.01E+00	3.16E+00	3.44E+00
581	488904.24	3861051.87	2.21232	2.96E+00	3.11E+00	3.39E+00
582	488954.24	3861051.87	2.21465	2.96E+00	3.12E+00	3.39E+00
583	489004.24	3861051.87	2.2361	2.99E+00	3.15E+00	3.42E+00
584	488804.24	3861101.87	2.12866	2.85E+00	3.00E+00	3.26E+00
585	488854.24	3861101.87	2.14592	2.87E+00	3.02E+00	3.29E+00
586	488904.24	3861101.87	2.12789	2.85E+00	2.99E+00	3.26E+00
587	488954.24	3861101.87	2.13018	2.85E+00	3.00E+00	3.26E+00
588	489004.24	3861101.87	2.14656	2.87E+00	3.02E+00	3.29E+00
589	488804.24	3861151.87	2.03952	2.73E+00	2.87E+00	3.12E+00
590	488854.24	3861151.87	2.04556	2.74E+00	2.88E+00	3.13E+00
591	489129.49	3861187.55	2.10207	2.81E+00	2.96E+00	3.22E+00
592	489179.49	3861187.55	2.11731	2.83E+00	2.98E+00	3.24E+00
593	488804.24	3861201.87	2.00372	2.68E+00	2.82E+00	3.07E+00
594	488854.24	3861201.87	2.00183	2.68E+00	2.82E+00	3.07E+00
595	489129.49	3861237.55	2.07093	2.77E+00	2.91E+00	3.17E+00
596	489179.49	3861237.55	2.07559	2.78E+00	2.92E+00	3.18E+00
597	488804.24	3861251.87	1.97334	2.64E+00	2.78E+00	3.02E+00
598	488854.24	3861251.87	1.97008	2.64E+00	2.77E+00	3.02E+00
599	488804.24	3861301.87	1.93388	2.59E+00	2.72E+00	2.96E+00
600	488854.24	3861301.87	1.93657	2.59E+00	2.72E+00	2.97E+00
601	490943.5	3860181.97	12.00789	1.61E+01	1.69E+01	1.84E+01
602	490993.5	3860181.97	12.67515	1.70E+01	1.78E+01	1.94E+01
603	491043.5	3860181.97	13.83706	1.85E+01	1.95E+01	2.12E+01
604	491093.5	3860181.97	15.05384	2.01E+01	2.12E+01	2.31E+01
605	490943.5	3860231.97	10.87101	1.46E+01	1.53E+01	1.66E+01
606	490993.5	3860231.97	11.33195	1.52E+01	1.59E+01	1.74E+01
607	491043.5	3860231.97	11.76465	1.57E+01	1.66E+01	1.80E+01
608	491093.5	3860231.97	12.51398	1.67E+01	1.76E+01	1.92E+01
609	490943.5	3860281.97	10.0526	1.35E+01	1.41E+01	1.54E+01
610	490993.5	3860281.97	10.43495	1.40E+01	1.47E+01	1.60E+01
611	491043.5	3860281.97	10.75404	1.44E+01	1.51E+01	1.65E+01
612	491093.5	3860281.97	11.03034	1.48E+01	1.55E+01	1.69E+01
613	490943.5	3860331.97	9.345	1.25E+01	1.31E+01	1.43E+01
614	490993.5	3860331.97	9.60676	1.29E+01	1.35E+01	1.47E+01
615	491043.5	3860331.97	9.89899	1.32E+01	1.39E+01	1.52E+01
616	491093.5	3860331.97	10.19615	1.36E+01	1.43E+01	1.56E+01
617	490086.72	3859935.12	9.40522	1.26E+01	1.32E+01	1.44E+01
618	490136.72	3859935.12	10.02804	1.34E+01	1.41E+01	1.54E+01
619	490186.72	3859935.12	10.78975	1.44E+01	1.52E+01	1.65E+01
620	490236.72	3859935.12	11.50551	1.54E+01	1.62E+01	1.76E+01
621	490286.72	3859935.12	12.33508	1.65E+01	1.74E+01	1.89E+01
622	490336.72	3859935.12	13.13626	1.76E+01	1.85E+01	2.01E+01
623	490386.72	3859935.12	13.62745	1.82E+01	1.92E+01	2.09E+01
624	490436.72	3859935.12	13.82795	1.85E+01	1.95E+01	2.12E+01
625	490486.72	3859935.12	14.70498	1.97E+01	2.07E+01	2.25E+01
626	490536.72	3859935.12	16.18173	2.17E+01	2.28E+01	2.48E+01

627	490586.72	3859935.12	18.62254	2.49E+01	2.62E+01	2.85E+01
628	490636.72	3859935.12	21.47222	2.87E+01	3.02E+01	3.29E+01
629	490686.72	3859935.12	25.45871	3.41E+01	3.58E+01	3.90E+01
630	490736.72	3859935.12	29.48797	3.95E+01	4.15E+01	4.52E+01
631	490086.72	3859985.12	8.28519	1.11E+01	1.17E+01	1.27E+01
632	490136.72	3859985.12	8.91175	1.19E+01	1.25E+01	1.36E+01
633	490186.72	3859985.12	9.54419	1.28E+01	1.34E+01	1.46E+01
634	490236.72	3859985.12	10.2905	1.38E+01	1.45E+01	1.58E+01
635	490286.72	3859985.12	10.91549	1.46E+01	1.54E+01	1.67E+01
636	490336.72	3859985.12	11.65345	1.56E+01	1.64E+01	1.78E+01
637	490386.72	3859985.12	12.28761	1.64E+01	1.73E+01	1.88E+01
638	490436.72	3859985.12	12.6312	1.69E+01	1.78E+01	1.93E+01
639	490486.72	3859985.12	12.79056	1.71E+01	1.80E+01	1.96E+01
640	490536.72	3859985.12	13.38192	1.79E+01	1.88E+01	2.05E+01
641	490586.72	3859985.12	14.52733	1.94E+01	2.04E+01	2.22E+01
642	490636.72	3859985.12	15.83368	2.12E+01	2.23E+01	2.42E+01
643	490686.72	3859985.12	18.30909	2.45E+01	2.58E+01	2.80E+01
644	490736.72	3859985.12	20.86067	2.79E+01	2.94E+01	3.19E+01
645	490786.72	3859985.12	23.84798	3.19E+01	3.36E+01	3.65E+01
646	490086.72	3860035.12	7.40261	9.91E+00	1.04E+01	1.13E+01
647	490136.72	3860035.12	7.88213	1.05E+01	1.11E+01	1.21E+01
648	490186.72	3860035.12	8.48903	1.14E+01	1.19E+01	1.30E+01
649	490236.72	3860035.12	9.10713	1.22E+01	1.28E+01	1.39E+01
650	490286.72	3860035.12	9.72869	1.30E+01	1.37E+01	1.49E+01
651	490336.72	3860035.12	10.34524	1.38E+01	1.46E+01	1.58E+01
652	490386.72	3860035.12	10.97075	1.47E+01	1.54E+01	1.68E+01
653	490436.72	3860035.12	11.54133	1.54E+01	1.62E+01	1.77E+01
654	490486.72	3860035.12	11.83067	1.58E+01	1.66E+01	1.81E+01
655	490536.72	3860035.12	12.02012	1.61E+01	1.69E+01	1.84E+01
656	490586.72	3860035.12	12.41689	1.66E+01	1.75E+01	1.90E+01
657	490636.72	3860035.12	12.92835	1.73E+01	1.82E+01	1.98E+01
658	490686.72	3860035.12	14.08891	1.89E+01	1.98E+01	2.16E+01
659	490736.72	3860035.12	15.55109	2.08E+01	2.19E+01	2.38E+01
660	490786.72	3860035.12	17.44755	2.34E+01	2.45E+01	2.67E+01
661	490836.72	3860035.12	19.56522	2.62E+01	2.75E+01	3.00E+01
662	490086.72	3860085.12	6.83153	9.14E+00	9.61E+00	1.05E+01
663	490136.72	3860085.12	7.04212	9.43E+00	9.91E+00	1.08E+01
664	490186.72	3860085.12	7.53808	1.01E+01	1.06E+01	1.15E+01
665	490236.72	3860085.12	8.15122	1.09E+01	1.15E+01	1.25E+01
666	490286.72	3860085.12	8.7277	1.17E+01	1.23E+01	1.34E+01
667	490336.72	3860085.12	9.25739	1.24E+01	1.30E+01	1.42E+01
668	490386.72	3860085.12	9.78245	1.31E+01	1.38E+01	1.50E+01
669	490436.72	3860085.12	10.3874	1.39E+01	1.46E+01	1.59E+01
670	490486.72	3860085.12	10.85993	1.45E+01	1.53E+01	1.66E+01
671	490536.72	3860085.12	11.1459	1.49E+01	1.57E+01	1.71E+01
672	490586.72	3860085.12	11.2995	1.51E+01	1.59E+01	1.73E+01
673	490636.72	3860085.12	11.61307	1.55E+01	1.63E+01	1.78E+01
674	490686.72	3860085.12	12.04555	1.61E+01	1.69E+01	1.84E+01
675	490736.72	3860085.12	12.77243	1.71E+01	1.80E+01	1.96E+01
676	490786.72	3860085.12	13.75014	1.84E+01	1.93E+01	2.11E+01
677	490836.72	3860085.12	14.92929	2.00E+01	2.10E+01	2.29E+01
678	490086.72	3860135.12	6.14313	8.22E+00	8.64E+00	9.41E+00
679	490136.72	3860135.12	6.41709	8.59E+00	9.03E+00	9.83E+00
680	490186.72	3860135.12	6.75899	9.05E+00	9.51E+00	1.03E+01
681	490236.72	3860135.12	7.23336	9.68E+00	1.02E+01	1.11E+01
682	490286.72	3860135.12	7.80339	1.04E+01	1.10E+01	1.19E+01
683	490336.72	3860135.12	8.34819	1.12E+01	1.17E+01	1.28E+01
684	490386.72	3860135.12	8.81494	1.18E+01	1.24E+01	1.35E+01
685	490436.72	3860135.12	9.29714	1.24E+01	1.31E+01	1.42E+01
686	490486.72	3860135.12	9.85384	1.32E+01	1.39E+01	1.51E+01
687	490536.72	3860135.12	10.31668	1.38E+01	1.45E+01	1.58E+01
688	490586.72	3860135.12	10.55205	1.41E+01	1.48E+01	1.62E+01
689	490636.72	3860135.12	10.6704	1.43E+01	1.50E+01	1.63E+01

690	490686.72	3860135.12	10.96298	1.47E+01	1.54E+01	1.68E+01
691	490736.72	3860135.12	11.29746	1.51E+01	1.59E+01	1.73E+01
692	490786.72	3860135.12	11.78634	1.58E+01	1.66E+01	1.80E+01
693	490836.72	3860135.12	12.40213	1.66E+01	1.75E+01	1.90E+01
694	490086.72	3860185.12	5.62884	7.53E+00	7.92E+00	8.62E+00
695	490136.72	3860185.12	5.91182	7.91E+00	8.32E+00	9.05E+00
696	490186.72	3860185.12	6.2149	8.32E+00	8.74E+00	9.52E+00
697	490236.72	3860185.12	6.51427	8.72E+00	9.17E+00	9.97E+00
698	490286.72	3860185.12	6.95485	9.31E+00	9.79E+00	1.06E+01
699	490336.72	3860185.12	7.47997	1.00E+01	1.05E+01	1.15E+01
700	490386.72	3860185.12	7.98919	1.07E+01	1.12E+01	1.22E+01
701	490436.72	3860185.12	8.3994	1.12E+01	1.18E+01	1.29E+01
702	490486.72	3860185.12	8.87249	1.19E+01	1.25E+01	1.36E+01
703	490536.72	3860185.12	9.40771	1.26E+01	1.32E+01	1.44E+01
704	490586.72	3860185.12	9.82213	1.31E+01	1.38E+01	1.50E+01
705	490636.72	3860185.12	10.0054	1.34E+01	1.41E+01	1.53E+01
706	490686.72	3860185.12	10.14178	1.36E+01	1.43E+01	1.55E+01
707	490736.72	3860185.12	10.38381	1.39E+01	1.46E+01	1.59E+01
708	490786.72	3860185.12	10.69174	1.43E+01	1.50E+01	1.64E+01
709	490836.72	3860185.12	11.04286	1.48E+01	1.55E+01	1.69E+01
710	490086.72	3860235.12	5.26131	7.04E+00	7.40E+00	8.06E+00
711	490136.72	3860235.12	5.46085	7.31E+00	7.68E+00	8.36E+00
712	490186.72	3860235.12	5.73366	7.67E+00	8.07E+00	8.78E+00
713	490236.72	3860235.12	5.99821	8.03E+00	8.44E+00	9.18E+00
714	490286.72	3860235.12	6.28935	8.42E+00	8.85E+00	9.63E+00
715	490336.72	3860235.12	6.70241	8.97E+00	9.43E+00	1.03E+01
716	490386.72	3860235.12	7.19594	9.63E+00	1.01E+01	1.10E+01
717	490436.72	3860235.12	7.67427	1.03E+01	1.08E+01	1.18E+01
718	490486.72	3860235.12	8.04576	1.08E+01	1.13E+01	1.23E+01
719	490536.72	3860235.12	8.50515	1.14E+01	1.20E+01	1.30E+01
720	490586.72	3860235.12	9.01037	1.21E+01	1.27E+01	1.38E+01
721	490636.72	3860235.12	9.35389	1.25E+01	1.32E+01	1.43E+01
722	490686.72	3860235.12	9.55017	1.28E+01	1.34E+01	1.46E+01
723	490736.72	3860235.12	9.65523	1.29E+01	1.36E+01	1.48E+01
724	490786.72	3860235.12	9.90392	1.33E+01	1.39E+01	1.52E+01
725	490086.72	3860285.12	4.9813	6.67E+00	7.01E+00	7.63E+00
726	490136.72	3860285.12	5.13856	6.88E+00	7.23E+00	7.87E+00
727	490186.72	3860285.12	5.32474	7.13E+00	7.49E+00	8.15E+00
728	490236.72	3860285.12	5.56437	7.45E+00	7.83E+00	8.52E+00
729	490286.72	3860285.12	5.8006	7.76E+00	8.16E+00	8.88E+00
730	490336.72	3860285.12	6.08026	8.14E+00	8.56E+00	9.31E+00
731	490386.72	3860285.12	6.47099	8.66E+00	9.11E+00	9.91E+00
732	490436.72	3860285.12	6.93192	9.28E+00	9.75E+00	1.06E+01
733	490486.72	3860285.12	7.37087	9.87E+00	1.04E+01	1.13E+01
734	490536.72	3860285.12	7.72119	1.03E+01	1.09E+01	1.18E+01
735	490586.72	3860285.12	8.14705	1.09E+01	1.15E+01	1.25E+01
736	490636.72	3860285.12	8.61231	1.15E+01	1.21E+01	1.32E+01
737	490686.72	3860285.12	8.94278	1.20E+01	1.26E+01	1.37E+01
738	490736.72	3860285.12	9.11119	1.22E+01	1.28E+01	1.40E+01
739	490786.72	3860285.12	9.23363	1.24E+01	1.30E+01	1.41E+01
740	490086.72	3860335.12	4.74215	6.35E+00	6.67E+00	7.26E+00
741	490136.72	3860335.12	4.86981	6.52E+00	6.85E+00	7.46E+00
742	490186.72	3860335.12	5.00566	6.70E+00	7.04E+00	7.66E+00
743	490236.72	3860335.12	5.1902	6.95E+00	7.30E+00	7.95E+00
744	490286.72	3860335.12	5.4008	7.23E+00	7.60E+00	8.27E+00
745	490336.72	3860335.12	5.61357	7.51E+00	7.90E+00	8.60E+00
746	490386.72	3860335.12	5.88413	7.88E+00	8.28E+00	9.01E+00
747	490436.72	3860335.12	6.24921	8.36E+00	8.79E+00	9.57E+00
748	490486.72	3860335.12	6.68325	8.95E+00	9.40E+00	1.02E+01
749	490536.72	3860335.12	7.09334	9.49E+00	9.98E+00	1.09E+01
750	490586.72	3860335.12	7.427	9.94E+00	1.05E+01	1.14E+01
751	490636.72	3860335.12	7.83643	1.05E+01	1.10E+01	1.20E+01
752	490686.72	3860335.12	8.26834	1.11E+01	1.16E+01	1.27E+01

753	490736.72	3860335.12	8.56488	1.15E+01	1.21E+01	1.31E+01
754	490786.72	3860335.12	8.75886	1.17E+01	1.23E+01	1.34E+01
755	490086.72	3860385.12	4.5307	6.06E+00	6.37E+00	6.94E+00
756	490136.72	3860385.12	4.65423	6.23E+00	6.55E+00	7.13E+00
757	490186.72	3860385.12	4.75718	6.37E+00	6.69E+00	7.28E+00
758	490236.72	3860385.12	4.89667	6.55E+00	6.89E+00	7.50E+00
759	490286.72	3860385.12	5.05827	6.77E+00	7.12E+00	7.75E+00
760	490336.72	3860385.12	5.25773	7.04E+00	7.40E+00	8.05E+00
761	490386.72	3860385.12	5.43973	7.28E+00	7.65E+00	8.33E+00
762	490436.72	3860385.12	5.69242	7.62E+00	8.01E+00	8.72E+00
763	490486.72	3860385.12	6.04992	8.10E+00	8.51E+00	9.26E+00
764	490536.72	3860385.12	6.46435	8.65E+00	9.10E+00	9.90E+00
765	490586.72	3860385.12	6.8348	9.15E+00	9.62E+00	1.05E+01
766	490636.72	3860385.12	7.15855	9.58E+00	1.01E+01	1.10E+01
767	490686.72	3860385.12	7.55589	1.01E+01	1.06E+01	1.16E+01
768	490736.72	3860385.12	7.94211	1.06E+01	1.12E+01	1.22E+01
769	490786.72	3860385.12	8.21651	1.10E+01	1.16E+01	1.26E+01
770	490136.72	3860435.12	4.4429	5.95E+00	6.25E+00	6.80E+00
771	490186.72	3860435.12	4.5524	6.09E+00	6.41E+00	6.97E+00
772	490236.72	3860435.12	4.6559	6.23E+00	6.55E+00	7.13E+00
773	490286.72	3860435.12	4.78236	6.40E+00	6.73E+00	7.32E+00
774	490336.72	3860435.12	4.92962	6.60E+00	6.94E+00	7.55E+00
775	490386.72	3860435.12	5.12074	6.85E+00	7.21E+00	7.84E+00
776	490436.72	3860435.12	5.29211	7.08E+00	7.45E+00	8.10E+00
777	490486.72	3860435.12	5.53017	7.40E+00	7.78E+00	8.47E+00
778	490536.72	3860435.12	5.86057	7.84E+00	8.25E+00	8.97E+00
779	490586.72	3860435.12	6.24283	8.36E+00	8.78E+00	9.56E+00
780	490636.72	3860435.12	6.58051	8.81E+00	9.26E+00	1.01E+01
781	490686.72	3860435.12	6.90138	9.24E+00	9.71E+00	1.06E+01
782	490736.72	3860435.12	7.29152	9.76E+00	1.03E+01	1.12E+01
783	490786.72	3860435.12	7.64721	1.02E+01	1.08E+01	1.17E+01
784	490136.72	3860485.12	4.26134	5.70E+00	6.00E+00	6.52E+00
785	490186.72	3860485.12	4.36524	5.84E+00	6.14E+00	6.68E+00
786	490236.72	3860485.12	4.45335	5.96E+00	6.27E+00	6.82E+00
787	490286.72	3860485.12	4.55572	6.10E+00	6.41E+00	6.98E+00
788	490336.72	3860485.12	4.67028	6.25E+00	6.57E+00	7.15E+00
789	490386.72	3860485.12	4.81606	6.45E+00	6.78E+00	7.37E+00
790	490436.72	3860485.12	5.00779	6.70E+00	7.05E+00	7.67E+00
791	490486.72	3860485.12	5.1715	6.92E+00	7.28E+00	7.92E+00
792	490536.72	3860485.12	5.37971	7.20E+00	7.57E+00	8.24E+00
793	490586.72	3860485.12	5.69121	7.62E+00	8.01E+00	8.71E+00
794	490636.72	3860485.12	6.04011	8.08E+00	8.50E+00	9.25E+00
795	490686.72	3860485.12	6.35087	8.50E+00	8.94E+00	9.72E+00
796	490736.72	3860485.12	6.66218	8.92E+00	9.37E+00	1.02E+01
797	490786.72	3860485.12	7.03341	9.41E+00	9.90E+00	1.08E+01
798	490136.72	3860535.12	4.07616	5.46E+00	5.74E+00	6.24E+00
799	490186.72	3860535.12	4.2023	5.62E+00	5.91E+00	6.43E+00
800	490236.72	3860535.12	4.27384	5.72E+00	6.01E+00	6.54E+00
801	490286.72	3860535.12	4.35341	5.83E+00	6.13E+00	6.67E+00
802	490336.72	3860535.12	4.44926	5.95E+00	6.26E+00	6.81E+00
803	490386.72	3860535.12	4.57482	6.12E+00	6.44E+00	7.00E+00
804	490436.72	3860535.12	4.71645	6.31E+00	6.64E+00	7.22E+00
805	490486.72	3860535.12	4.8931	6.55E+00	6.88E+00	7.49E+00
806	490536.72	3860535.12	5.08528	6.81E+00	7.16E+00	7.79E+00
807	490586.72	3860535.12	5.23671	7.01E+00	7.37E+00	8.02E+00
808	490636.72	3860535.12	5.53747	7.41E+00	7.79E+00	8.48E+00
809	490686.72	3860535.12	5.84879	7.83E+00	8.23E+00	8.96E+00
810	490736.72	3860535.12	6.14229	8.22E+00	8.64E+00	9.41E+00
811	490786.72	3860535.12	6.44168	8.62E+00	9.06E+00	9.86E+00
812	490136.72	3860585.12	3.89966	5.22E+00	5.49E+00	5.97E+00
813	490186.72	3860585.12	3.96671	5.31E+00	5.58E+00	6.07E+00
814	490236.72	3860585.12	4.0788	5.46E+00	5.74E+00	6.25E+00
815	490286.72	3860585.12	4.17342	5.59E+00	5.87E+00	6.39E+00

816	490336.72	3860585.12	4.25223	5.69E+00	5.98E+00	6.51E+00
817	490386.72	3860585.12	4.33876	5.81E+00	6.10E+00	6.64E+00
818	490436.72	3860585.12	4.48555	6.00E+00	6.31E+00	6.87E+00
819	490486.72	3860585.12	4.64414	6.22E+00	6.53E+00	7.11E+00
820	490536.72	3860585.12	4.79917	6.42E+00	6.75E+00	7.35E+00
821	490586.72	3860585.12	4.88028	6.53E+00	6.87E+00	7.47E+00
822	490636.72	3860585.12	5.07014	6.79E+00	7.13E+00	7.76E+00
823	490686.72	3860585.12	5.36765	7.18E+00	7.55E+00	8.22E+00
824	490736.72	3860585.12	5.66381	7.58E+00	7.97E+00	8.67E+00
825	490786.72	3860585.12	5.94082	7.95E+00	8.36E+00	9.10E+00
826	490136.72	3860635.12	3.73687	5.00E+00	5.26E+00	5.72E+00
827	490186.72	3860635.12	3.82842	5.12E+00	5.39E+00	5.86E+00
828	490236.72	3860635.12	3.89694	5.22E+00	5.48E+00	5.97E+00
829	490286.72	3860635.12	3.97693	5.32E+00	5.60E+00	6.09E+00
830	490336.72	3860635.12	4.0584	5.43E+00	5.71E+00	6.21E+00
831	490386.72	3860635.12	4.13307	5.53E+00	5.82E+00	6.33E+00
832	490436.72	3860635.12	4.21162	5.64E+00	5.93E+00	6.45E+00
833	490486.72	3860635.12	4.31529	5.78E+00	6.07E+00	6.61E+00
834	490536.72	3860635.12	4.46026	5.97E+00	6.28E+00	6.83E+00
835	490586.72	3860635.12	4.58408	6.14E+00	6.45E+00	7.02E+00
836	490636.72	3860635.12	4.72489	6.32E+00	6.65E+00	7.23E+00
837	490686.72	3860635.12	4.90912	6.57E+00	6.91E+00	7.52E+00
838	490736.72	3860635.12	5.19683	6.96E+00	7.31E+00	7.96E+00
839	490786.72	3860635.12	5.48804	7.35E+00	7.72E+00	8.40E+00
840	490136.72	3860685.12	3.54133	4.74E+00	4.98E+00	5.42E+00
841	490186.72	3860685.12	3.71479	4.97E+00	5.23E+00	5.69E+00
842	490236.72	3860685.12	3.73679	5.00E+00	5.26E+00	5.72E+00
843	490286.72	3860685.12	3.76563	5.04E+00	5.30E+00	5.77E+00
844	490336.72	3860685.12	3.85711	5.16E+00	5.43E+00	5.91E+00
845	490386.72	3860685.12	3.92495	5.25E+00	5.52E+00	6.01E+00
846	490436.72	3860685.12	3.97274	5.32E+00	5.59E+00	6.08E+00
847	490486.72	3860685.12	4.02986	5.39E+00	5.67E+00	6.17E+00
848	490536.72	3860685.12	4.12382	5.52E+00	5.80E+00	6.31E+00
849	490586.72	3860685.12	4.28724	5.74E+00	6.03E+00	6.56E+00
850	490636.72	3860685.12	4.45498	5.96E+00	6.27E+00	6.82E+00
851	490686.72	3860685.12	4.60922	6.17E+00	6.49E+00	7.06E+00
852	490736.72	3860685.12	4.78388	6.40E+00	6.73E+00	7.33E+00
853	490786.72	3860685.12	5.08632	6.81E+00	7.16E+00	7.79E+00
854	490136.72	3860735.12	3.34622	4.48E+00	4.71E+00	5.12E+00
855	490186.72	3860735.12	3.38841	4.54E+00	4.77E+00	5.19E+00
856	490236.72	3860735.12	3.45822	4.63E+00	4.87E+00	5.30E+00
857	490286.72	3860735.12	3.55601	4.76E+00	5.00E+00	5.44E+00
858	490336.72	3860735.12	3.63979	4.87E+00	5.12E+00	5.57E+00
859	490386.72	3860735.12	3.72418	4.98E+00	5.24E+00	5.70E+00
860	490436.72	3860735.12	3.82436	5.12E+00	5.38E+00	5.86E+00
861	490486.72	3860735.12	3.86728	5.18E+00	5.44E+00	5.92E+00
862	490536.72	3860735.12	3.89694	5.22E+00	5.48E+00	5.97E+00
863	490586.72	3860735.12	4.01018	5.37E+00	5.64E+00	6.14E+00
864	490636.72	3860735.12	4.17007	5.58E+00	5.87E+00	6.39E+00
865	490686.72	3860735.12	4.33759	5.81E+00	6.10E+00	6.64E+00
866	490736.72	3860735.12	4.49223	6.01E+00	6.32E+00	6.88E+00
867	490136.72	3860785.12	3.2102	4.30E+00	4.52E+00	4.92E+00
868	490186.72	3860785.12	3.2639	4.37E+00	4.59E+00	5.00E+00
869	490236.72	3860785.12	3.31923	4.44E+00	4.67E+00	5.08E+00
870	490286.72	3860785.12	3.39683	4.55E+00	4.78E+00	5.20E+00
871	490336.72	3860785.12	3.4797	4.66E+00	4.90E+00	5.33E+00
872	490386.72	3860785.12	3.57845	4.79E+00	5.04E+00	5.48E+00
873	490436.72	3860785.12	3.64384	4.88E+00	5.13E+00	5.58E+00
874	490486.72	3860785.12	3.7235	4.98E+00	5.24E+00	5.70E+00
875	490536.72	3860785.12	3.76558	5.04E+00	5.30E+00	5.77E+00
876	490586.72	3860785.12	3.79452	5.08E+00	5.34E+00	5.81E+00
877	490636.72	3860785.12	3.90417	5.23E+00	5.49E+00	5.98E+00
878	490686.72	3860785.12	4.06653	5.44E+00	5.72E+00	6.23E+00

879	490736.72	3860785.12	4.22336	5.65E+00	5.94E+00	6.47E+00
880	490086.72	3860835.12	3.05751	4.09E+00	4.30E+00	4.68E+00
881	490136.72	3860835.12	3.1222	4.18E+00	4.39E+00	4.78E+00
882	490186.72	3860835.12	3.16489	4.24E+00	4.45E+00	4.85E+00
883	490236.72	3860835.12	3.20977	4.30E+00	4.52E+00	4.91E+00
884	490286.72	3860835.12	3.26563	4.37E+00	4.59E+00	5.00E+00
885	490336.72	3860835.12	3.33422	4.46E+00	4.69E+00	5.11E+00
886	490386.72	3860835.12	3.41075	4.57E+00	4.80E+00	5.22E+00
887	490436.72	3860835.12	3.49308	4.68E+00	4.91E+00	5.35E+00
888	490486.72	3860835.12	3.56082	4.77E+00	5.01E+00	5.45E+00
889	490536.72	3860835.12	3.60931	4.83E+00	5.08E+00	5.53E+00
890	490586.72	3860835.12	3.64826	4.88E+00	5.13E+00	5.59E+00
891	490636.72	3860835.12	3.7006	4.95E+00	5.21E+00	5.67E+00
892	490686.72	3860835.12	3.82039	5.11E+00	5.38E+00	5.85E+00
893	490736.72	3860835.12	3.98775	5.34E+00	5.61E+00	6.11E+00
894	490086.72	3860885.12	2.97974	3.99E+00	4.19E+00	4.56E+00
895	490136.72	3860885.12	3.02516	4.05E+00	4.26E+00	4.63E+00
896	490186.72	3860885.12	3.06827	4.11E+00	4.32E+00	4.70E+00
897	490236.72	3860885.12	3.11137	4.16E+00	4.38E+00	4.76E+00
898	490286.72	3860885.12	3.1518	4.22E+00	4.43E+00	4.83E+00
899	490336.72	3860885.12	3.1903	4.27E+00	4.49E+00	4.88E+00
900	490386.72	3860885.12	3.27326	4.38E+00	4.61E+00	5.01E+00
901	490436.72	3860885.12	3.3557	4.49E+00	4.72E+00	5.14E+00
902	490486.72	3860885.12	3.41825	4.58E+00	4.81E+00	5.23E+00
903	490536.72	3860885.12	3.46479	4.64E+00	4.88E+00	5.31E+00
904	490586.72	3860885.12	3.49397	4.68E+00	4.92E+00	5.35E+00
905	490636.72	3860885.12	3.52705	4.72E+00	4.96E+00	5.40E+00
906	490686.72	3860885.12	3.6205	4.85E+00	5.09E+00	5.54E+00
907	490736.72	3860885.12	3.7331	5.00E+00	5.25E+00	5.72E+00
908	490086.72	3860935.12	2.88735	3.86E+00	4.06E+00	4.42E+00
909	490136.72	3860935.12	2.91368	3.90E+00	4.10E+00	4.46E+00
910	490186.72	3860935.12	2.9553	3.96E+00	4.16E+00	4.53E+00
911	490236.72	3860935.12	2.99502	4.01E+00	4.21E+00	4.59E+00
912	490286.72	3860935.12	3.0322	4.06E+00	4.27E+00	4.64E+00
913	490336.72	3860935.12	3.06014	4.10E+00	4.31E+00	4.69E+00
914	490386.72	3860935.12	3.13062	4.19E+00	4.40E+00	4.79E+00
915	490436.72	3860935.12	3.21305	4.30E+00	4.52E+00	4.92E+00
916	490486.72	3860935.12	3.26982	4.38E+00	4.60E+00	5.01E+00
917	490536.72	3860935.12	3.32205	4.45E+00	4.67E+00	5.09E+00
918	490586.72	3860935.12	3.35855	4.50E+00	4.73E+00	5.14E+00
919	490636.72	3860935.12	3.38671	4.53E+00	4.77E+00	5.19E+00
920	490686.72	3860935.12	3.44494	4.61E+00	4.85E+00	5.27E+00
921	490736.72	3860935.12	3.54257	4.74E+00	4.98E+00	5.42E+00
922	490786.72	3860935.12	3.65225	4.89E+00	5.14E+00	5.59E+00
923	490836.72	3860935.12	3.79789	5.08E+00	5.34E+00	5.82E+00
924	490086.72	3860985.12	2.79368	3.74E+00	3.93E+00	4.28E+00
925	490136.72	3860985.12	2.81809	3.77E+00	3.97E+00	4.32E+00
926	490186.72	3860985.12	2.84831	3.81E+00	4.01E+00	4.36E+00
927	490236.72	3860985.12	2.86062	3.83E+00	4.03E+00	4.38E+00
928	490286.72	3860985.12	2.87631	3.85E+00	4.05E+00	4.40E+00
929	490336.72	3860985.12	2.91765	3.91E+00	4.11E+00	4.47E+00
930	490386.72	3860985.12	2.97409	3.98E+00	4.18E+00	4.55E+00
931	490436.72	3860985.12	3.07103	4.11E+00	4.32E+00	4.70E+00
932	490486.72	3860985.12	3.14569	4.21E+00	4.43E+00	4.82E+00
933	490536.72	3860985.12	3.20072	4.28E+00	4.50E+00	4.90E+00
934	490586.72	3860985.12	3.2437	4.34E+00	4.56E+00	4.97E+00
935	490636.72	3860985.12	3.28153	4.39E+00	4.62E+00	5.02E+00
936	490686.72	3860985.12	3.30871	4.43E+00	4.66E+00	5.07E+00
937	490736.72	3860985.12	3.36364	4.50E+00	4.73E+00	5.15E+00
938	490786.72	3860985.12	3.46604	4.64E+00	4.88E+00	5.31E+00
939	490836.72	3860985.12	3.58383	4.80E+00	5.04E+00	5.49E+00
940	490086.72	3861035.12	2.67556	3.58E+00	3.76E+00	4.10E+00
941	490136.72	3861035.12	2.6884	3.60E+00	3.78E+00	4.12E+00

942	490186.72	3861035.12	2.7036	3.62E+00	3.80E+00	4.14E+00
943	490236.72	3861035.12	2.72651	3.65E+00	3.84E+00	4.17E+00
944	490286.72	3861035.12	2.74937	3.68E+00	3.87E+00	4.21E+00
945	490336.72	3861035.12	2.78874	3.73E+00	3.92E+00	4.27E+00
946	490386.72	3861035.12	2.85655	3.82E+00	4.02E+00	4.37E+00
947	490436.72	3861035.12	2.94485	3.94E+00	4.14E+00	4.51E+00
948	490486.72	3861035.12	3.02895	4.05E+00	4.26E+00	4.64E+00
949	490536.72	3861035.12	3.09338	4.14E+00	4.35E+00	4.74E+00
950	490586.72	3861035.12	3.14026	4.20E+00	4.42E+00	4.81E+00
951	490636.72	3861035.12	3.17491	4.25E+00	4.47E+00	4.86E+00
952	490686.72	3861035.12	3.19809	4.28E+00	4.50E+00	4.90E+00
953	490736.72	3861035.12	3.23145	4.33E+00	4.55E+00	4.95E+00
954	490786.72	3861035.12	3.30038	4.42E+00	4.64E+00	5.05E+00
955	490836.72	3861035.12	3.39949	4.55E+00	4.78E+00	5.21E+00
956	490086.72	3861085.12	2.55849	3.42E+00	3.60E+00	3.92E+00
957	490136.72	3861085.12	2.58991	3.47E+00	3.64E+00	3.97E+00
958	490186.72	3861085.12	2.62203	3.51E+00	3.69E+00	4.01E+00
959	490236.72	3861085.12	2.63119	3.52E+00	3.70E+00	4.03E+00
960	490286.72	3861085.12	2.64564	3.54E+00	3.72E+00	4.05E+00
961	490336.72	3861085.12	2.6628	3.56E+00	3.75E+00	4.08E+00
962	490386.72	3861085.12	2.73369	3.66E+00	3.85E+00	4.19E+00
963	490436.72	3861085.12	2.82014	3.77E+00	3.97E+00	4.32E+00
964	490486.72	3861085.12	2.90258	3.88E+00	4.08E+00	4.44E+00
965	490536.72	3861085.12	2.98789	4.00E+00	4.20E+00	4.58E+00
966	490586.72	3861085.12	3.04113	4.07E+00	4.28E+00	4.66E+00
967	490636.72	3861085.12	3.07295	4.11E+00	4.32E+00	4.71E+00
968	490686.72	3861085.12	3.10015	4.15E+00	4.36E+00	4.75E+00
969	490736.72	3861085.12	3.12341	4.18E+00	4.39E+00	4.78E+00
970	490786.72	3861085.12	3.16661	4.24E+00	4.46E+00	4.85E+00
971	490836.72	3861085.12	3.23748	4.33E+00	4.56E+00	4.96E+00
972	490086.72	3861135.12	2.46772	3.30E+00	3.47E+00	3.78E+00
973	490136.72	3861135.12	2.48483	3.33E+00	3.50E+00	3.80E+00
974	490186.72	3861135.12	2.49882	3.34E+00	3.52E+00	3.83E+00
975	490236.72	3861135.12	2.51362	3.36E+00	3.54E+00	3.85E+00
976	490286.72	3861135.12	2.52273	3.38E+00	3.55E+00	3.86E+00
977	490336.72	3861135.12	2.5386	3.40E+00	3.57E+00	3.89E+00
978	490386.72	3861135.12	2.59943	3.48E+00	3.66E+00	3.98E+00
979	490436.72	3861135.12	2.69916	3.61E+00	3.80E+00	4.13E+00
980	490486.72	3861135.12	2.79084	3.74E+00	3.93E+00	4.27E+00
981	490536.72	3861135.12	2.86946	3.84E+00	4.04E+00	4.39E+00
982	490586.72	3861135.12	2.93565	3.93E+00	4.13E+00	4.50E+00
983	490636.72	3861135.12	2.97754	3.99E+00	4.19E+00	4.56E+00
984	490686.72	3861135.12	3.01423	4.03E+00	4.24E+00	4.62E+00
985	490736.72	3861135.12	3.04219	4.07E+00	4.28E+00	4.66E+00
986	490786.72	3861135.12	3.06391	4.10E+00	4.31E+00	4.69E+00
987	490836.72	3861135.12	3.10572	4.16E+00	4.37E+00	4.76E+00
988	490086.72	3861185.12	2.35698	3.15E+00	3.32E+00	3.61E+00
989	490136.72	3861185.12	2.35379	3.15E+00	3.31E+00	3.60E+00
990	490186.72	3861185.12	2.36727	3.17E+00	3.33E+00	3.62E+00
991	490236.72	3861185.12	2.38598	3.19E+00	3.36E+00	3.65E+00
992	490286.72	3861185.12	2.42106	3.24E+00	3.41E+00	3.71E+00
993	490336.72	3861185.12	2.43625	3.26E+00	3.43E+00	3.73E+00
994	490386.72	3861185.12	2.48116	3.32E+00	3.49E+00	3.80E+00
995	490436.72	3861185.12	2.57736	3.45E+00	3.63E+00	3.95E+00
996	490486.72	3861185.12	2.675	3.58E+00	3.76E+00	4.10E+00
997	490536.72	3861185.12	2.7692	3.71E+00	3.90E+00	4.24E+00
998	490586.72	3861185.12	2.83666	3.80E+00	3.99E+00	4.34E+00
999	490636.72	3861185.12	2.88005	3.85E+00	4.05E+00	4.41E+00
1000	490686.72	3861185.12	2.92266	3.91E+00	4.11E+00	4.48E+00
1001	490736.72	3861185.12	2.96292	3.97E+00	4.17E+00	4.54E+00
1002	490786.72	3861185.12	2.98698	4.00E+00	4.20E+00	4.57E+00
1003	490836.72	3861185.12	3.00622	4.02E+00	4.23E+00	4.60E+00
1004	490086.72	3861235.12	2.22628	2.98E+00	3.13E+00	3.41E+00

1005	490136.72	3861235.12	2.24492	3.00E+00	3.16E+00	3.44E+00
1006	490186.72	3861235.12	2.26785	3.04E+00	3.19E+00	3.47E+00
1007	490236.72	3861235.12	2.28401	3.06E+00	3.21E+00	3.50E+00
1008	490386.72	3861235.12	2.39987	3.21E+00	3.38E+00	3.67E+00
1009	490436.72	3861235.12	2.45099	3.28E+00	3.45E+00	3.75E+00
1010	490486.72	3861235.12	2.54332	3.40E+00	3.58E+00	3.89E+00
1011	490536.72	3861235.12	2.65589	3.55E+00	3.74E+00	4.07E+00
1012	490586.72	3861235.12	2.74009	3.67E+00	3.86E+00	4.20E+00
1013	490636.72	3861235.12	2.78131	3.72E+00	3.91E+00	4.26E+00
1014	490686.72	3861235.12	2.83369	3.79E+00	3.99E+00	4.34E+00
1015	490736.72	3861235.12	2.88091	3.86E+00	4.05E+00	4.41E+00
1016	490786.72	3861235.12	2.91607	3.90E+00	4.10E+00	4.47E+00
1017	490836.72	3861235.12	2.93073	3.92E+00	4.12E+00	4.49E+00
1018	490086.72	3861285.12	2.14051	2.86E+00	3.01E+00	3.28E+00
1019	490136.72	3861285.12	2.17297	2.91E+00	3.06E+00	3.33E+00
1020	490186.72	3861285.12	2.18644	2.93E+00	3.08E+00	3.35E+00
1021	490236.72	3861285.12	2.21083	2.96E+00	3.11E+00	3.39E+00
1022	490386.72	3861285.12	2.33002	3.12E+00	3.28E+00	3.57E+00
1023	490436.72	3861285.12	2.37536	3.18E+00	3.34E+00	3.64E+00
1024	490486.72	3861285.12	2.43575	3.26E+00	3.43E+00	3.73E+00
1025	490536.72	3861285.12	2.53153	3.39E+00	3.56E+00	3.88E+00
1026	490586.72	3861285.12	2.61804	3.50E+00	3.68E+00	4.01E+00
1027	490636.72	3861285.12	2.67396	3.58E+00	3.76E+00	4.09E+00
1028	490686.72	3861285.12	2.73749	3.66E+00	3.85E+00	4.19E+00
1029	490736.72	3861285.12	2.80265	3.75E+00	3.94E+00	4.29E+00
1030	490786.72	3861285.12	2.83553	3.80E+00	3.99E+00	4.34E+00
1031	490836.72	3861285.12	2.84942	3.81E+00	4.01E+00	4.36E+00
1032	490061.24	3859716.13	18.37958	2.46E+01	2.59E+01	2.81E+01
1033	490111.24	3859716.13	20.10644	2.69E+01	2.83E+01	3.08E+01
1034	490161.24	3859716.13	22.32267	2.99E+01	3.14E+01	3.42E+01
1035	490211.24	3859716.13	26.5266	3.55E+01	3.73E+01	4.06E+01
1036	490061.24	3859766.13	14.62947	1.96E+01	2.06E+01	2.24E+01
1037	490111.24	3859766.13	15.83092	2.12E+01	2.23E+01	2.42E+01
1038	490161.24	3859766.13	17.34192	2.32E+01	2.44E+01	2.66E+01
1039	490211.24	3859766.13	18.69725	2.50E+01	2.63E+01	2.86E+01
1040	490061.24	3859816.13	12.34426	1.65E+01	1.74E+01	1.89E+01
1041	490111.24	3859816.13	13.32459	1.78E+01	1.87E+01	2.04E+01
1042	490161.24	3859816.13	14.42466	1.93E+01	2.03E+01	2.21E+01
1043	490211.24	3859816.13	15.67302	2.10E+01	2.21E+01	2.40E+01
1044	490061.24	3859866.13	10.80708	1.45E+01	1.52E+01	1.65E+01
1045	490111.24	3859866.13	11.55668	1.55E+01	1.63E+01	1.77E+01
1046	490161.24	3859866.13	12.45234	1.67E+01	1.75E+01	1.91E+01
1047	490211.24	3859866.13	13.43153	1.80E+01	1.89E+01	2.06E+01
1048	490061.24	3859916.13	9.49098	1.27E+01	1.34E+01	1.45E+01
1049	490111.24	3859916.13	10.17511	1.36E+01	1.43E+01	1.56E+01
1050	490161.24	3859916.13	10.91786	1.46E+01	1.54E+01	1.67E+01
1051	490211.24	3859916.13	11.66227	1.56E+01	1.64E+01	1.79E+01
1052	490229.25	3859815.26	16.20032	2.17E+01	2.28E+01	2.48E+01
1053	490279.25	3859815.26	16.96868	2.27E+01	2.39E+01	2.60E+01
1054	490329.25	3859815.26	18.48987	2.47E+01	2.60E+01	2.83E+01
1055	490379.25	3859815.26	21.83727	2.92E+01	3.07E+01	3.34E+01
1056	490429.25	3859815.26	26.63347	3.56E+01	3.75E+01	4.08E+01
1057	490229.25	3859865.26	13.86234	1.86E+01	1.95E+01	2.12E+01
1058	490279.25	3859865.26	14.84291	1.99E+01	2.09E+01	2.27E+01
1059	490329.25	3859865.26	15.36136	2.06E+01	2.16E+01	2.35E+01
1060	490379.25	3859865.26	16.26225	2.18E+01	2.29E+01	2.49E+01
1061	490429.25	3859865.26	17.97783	2.41E+01	2.53E+01	2.75E+01
1062	490229.25	3859915.26	12.0057	1.61E+01	1.69E+01	1.84E+01
1063	490279.25	3859915.26	12.86333	1.72E+01	1.81E+01	1.97E+01
1064	490329.25	3859915.26	13.68117	1.83E+01	1.93E+01	2.09E+01
1065	490379.25	3859915.26	14.1145	1.89E+01	1.99E+01	2.16E+01
1066	490429.25	3859915.26	14.56348	1.95E+01	2.05E+01	2.23E+01
1067	490451.43	3859872.59	18.3113	2.45E+01	2.58E+01	2.80E+01

1068	490501.43	3859872.59	21.61707	2.89E+01	3.04E+01	3.31E+01
1069	490551.43	3859872.59	26.00764	3.48E+01	3.66E+01	3.98E+01
1070	490601.43	3859872.59	31.13954	4.17E+01	4.38E+01	4.77E+01
1071	490451.43	3859922.59	14.64485	1.96E+01	2.06E+01	2.24E+01
1072	490501.43	3859922.59	15.9232	2.13E+01	2.24E+01	2.44E+01
1073	490551.43	3859922.59	18.05584	2.42E+01	2.54E+01	2.76E+01
1074	490601.43	3859922.59	21.16323	2.83E+01	2.98E+01	3.24E+01
1075	482129.67	3852241.07	26.60163	3.56E+01	3.74E+01	4.07E+01
1076	482029.67	3852291.07	31.18719	4.17E+01	4.39E+01	4.78E+01
1077	482079.67	3852291.07	28.78855	3.85E+01	4.05E+01	4.41E+01
1078	482129.67	3852291.07	27.25564	3.65E+01	3.84E+01	4.17E+01
1079	482179.67	3852291.07	25.79921	3.45E+01	3.63E+01	3.95E+01
1080	482229.67	3852291.07	24.34721	3.26E+01	3.43E+01	3.73E+01
1081	482029.67	3852341.07	34.94611	4.68E+01	4.92E+01	5.35E+01
1082	482079.67	3852341.07	30.35078	4.06E+01	4.27E+01	4.65E+01
1083	482129.67	3852341.07	27.85549	3.73E+01	3.92E+01	4.27E+01
1084	482179.67	3852341.07	26.41626	3.54E+01	3.72E+01	4.04E+01
1085	482259.06	3852400.14	24.56696	3.29E+01	3.46E+01	3.76E+01
1086	482309.06	3852400.14	23.73545	3.18E+01	3.34E+01	3.63E+01
1087	482209.06	3852450.14	26.95618	3.61E+01	3.79E+01	4.13E+01
1088	482259.06	3852450.14	25.09563	3.36E+01	3.53E+01	3.84E+01
1089	482309.06	3852450.14	24.22752	3.24E+01	3.41E+01	3.71E+01
1090	482209.06	3852500.14	30.19163	4.04E+01	4.25E+01	4.62E+01
1091	482259.06	3852500.14	26.77599	3.58E+01	3.77E+01	4.10E+01
1092	482309.06	3852500.14	24.8993	3.33E+01	3.50E+01	3.81E+01
1093	482283.91	3852513.62	26.19264	3.51E+01	3.69E+01	4.01E+01
1094	482333.91	3852513.62	24.33015	3.26E+01	3.42E+01	3.73E+01
1095	482283.91	3852563.62	28.87042	3.86E+01	4.06E+01	4.42E+01
1096	482333.91	3852563.62	25.62317	3.43E+01	3.61E+01	3.92E+01
1097	482383.91	3852563.62	23.66658	3.17E+01	3.33E+01	3.62E+01
1098	482283.91	3852613.62	35.73355	4.78E+01	5.03E+01	5.47E+01
1099	482333.91	3852613.62	28.63269	3.83E+01	4.03E+01	4.38E+01
1100	482383.91	3852613.62	25.12559	3.36E+01	3.54E+01	3.85E+01
1101	482602.38	3852600.87	19.53039	2.61E+01	2.75E+01	2.99E+01
1102	482652.38	3852600.87	18.90117	2.53E+01	2.66E+01	2.89E+01
1103	482702.38	3852600.87	19.23968	2.58E+01	2.71E+01	2.95E+01
1104	482552.38	3852650.87	20.95659	2.80E+01	2.95E+01	3.21E+01
1105	482602.38	3852650.87	19.85458	2.66E+01	2.79E+01	3.04E+01
1106	482652.38	3852650.87	19.22318	2.57E+01	2.70E+01	2.94E+01
1107	482702.38	3852650.87	18.53782	2.48E+01	2.61E+01	2.84E+01
1108	482552.38	3852700.87	21.69117	2.90E+01	3.05E+01	3.32E+01
1109	482602.38	3852700.87	20.46826	2.74E+01	2.88E+01	3.13E+01
1110	482652.38	3852700.87	19.63221	2.63E+01	2.76E+01	3.01E+01
1111	482702.38	3852700.87	19.01583	2.55E+01	2.68E+01	2.91E+01
1112	482452.38	3852750.87	30.05785	4.02E+01	4.23E+01	4.60E+01
1113	482521.29	3852749.74	24.5382	3.28E+01	3.45E+01	3.76E+01
1114	482571.29	3852749.74	22.2361	2.98E+01	3.13E+01	3.40E+01
1115	482521.29	3852799.74	27.60204	3.69E+01	3.88E+01	4.23E+01
1116	482571.29	3852799.74	24.13481	3.23E+01	3.40E+01	3.70E+01
1117	482621.29	3852799.74	21.82236	2.92E+01	3.07E+01	3.34E+01
1118	482571.29	3852849.74	27.3451	3.66E+01	3.85E+01	4.19E+01
1119	482621.29	3852849.74	23.88417	3.20E+01	3.36E+01	3.66E+01
1120	482577.42	3852901.55	33.1872	4.44E+01	4.67E+01	5.08E+01
1121	482627.42	3852901.55	26.77831	3.58E+01	3.77E+01	4.10E+01
1122	482629.96	3852955.85	33.19853	4.44E+01	4.67E+01	5.08E+01
1123	482679.96	3852955.85	26.56387	3.56E+01	3.74E+01	4.07E+01
1124	482781.63	3853034.48	23.98634	3.21E+01	3.38E+01	3.67E+01
1125	482831.63	3853034.48	21.13534	2.83E+01	2.97E+01	3.24E+01
1126	482881.63	3853034.48	19.10319	2.56E+01	2.69E+01	2.93E+01
1127	482781.63	3853084.48	27.64278	3.70E+01	3.89E+01	4.23E+01
1128	482831.63	3853084.48	23.46851	3.14E+01	3.30E+01	3.59E+01
1129	482881.63	3853084.48	20.62295	2.76E+01	2.90E+01	3.16E+01
1130	482781.63	3853134.48	32.31847	4.33E+01	4.55E+01	4.95E+01

1131	482831.63	3853134.48	26.46887	3.54E+01	3.72E+01	4.05E+01
1132	482881.63	3853134.48	22.84284	3.06E+01	3.21E+01	3.50E+01
1133	482831.63	3853184.48	29.7881	3.99E+01	4.19E+01	4.56E+01
1134	482881.63	3853184.48	25.11226	3.36E+01	3.53E+01	3.85E+01
1135	484154.84	3854250.98	10.10972	1.35E+01	1.42E+01	1.55E+01
1136	484204.84	3854250.98	10.00261	1.34E+01	1.41E+01	1.53E+01
1137	484154.84	3854300.98	9.32339	1.25E+01	1.31E+01	1.43E+01
1138	484204.84	3854300.98	9.43511	1.26E+01	1.33E+01	1.44E+01
1139	484074.19	3854519.8	8.59661	1.15E+01	1.21E+01	1.32E+01
1140	484124.19	3854519.8	8.41912	1.13E+01	1.18E+01	1.29E+01
1141	484074.19	3854569.8	8.22806	1.10E+01	1.16E+01	1.26E+01
1142	484124.19	3854569.8	7.89768	1.06E+01	1.11E+01	1.21E+01
1143	485205.11	3855188.89	8.04052	1.08E+01	1.13E+01	1.23E+01
1144	485255.11	3855188.89	7.94785	1.06E+01	1.12E+01	1.22E+01
1145	485205.11	3855238.89	7.73553	1.04E+01	1.09E+01	1.18E+01
1146	485255.11	3855238.89	7.87804	1.05E+01	1.11E+01	1.21E+01
1147	485205.11	3855288.89	7.49139	1.00E+01	1.05E+01	1.15E+01
1148	485255.11	3855288.89	7.64674	1.02E+01	1.08E+01	1.17E+01
1149	485255.11	3855338.89	7.37018	9.86E+00	1.04E+01	1.13E+01
1150	485305.11	3855338.89	7.50561	1.00E+01	1.06E+01	1.15E+01
1151	485852.5	3855635.28	6.81917	9.13E+00	9.59E+00	1.04E+01
1152	485902.5	3855635.28	6.80758	9.11E+00	9.58E+00	1.04E+01
1153	485852.5	3855685.28	6.67573	8.93E+00	9.39E+00	1.02E+01
1154	485902.5	3855685.28	6.75449	9.04E+00	9.50E+00	1.03E+01
1155	485852.5	3855735.28	6.55005	8.77E+00	9.22E+00	1.00E+01
1156	485902.5	3855735.28	6.58137	8.81E+00	9.26E+00	1.01E+01
1157	485852.5	3855785.28	6.32437	8.46E+00	8.90E+00	9.68E+00
1158	485902.5	3855785.28	6.46007	8.65E+00	9.09E+00	9.89E+00
1159	486809.46	3856465.28	5.12537	6.86E+00	7.21E+00	7.85E+00
1160	486859.46	3856465.28	5.05967	6.77E+00	7.12E+00	7.75E+00
1161	486909.46	3856465.28	5.00517	6.70E+00	7.04E+00	7.66E+00
1162	486809.46	3856515.28	5.05182	6.76E+00	7.11E+00	7.74E+00
1163	486859.46	3856515.28	4.98916	6.68E+00	7.02E+00	7.64E+00
1164	486909.46	3856515.28	4.92618	6.59E+00	6.93E+00	7.54E+00
1165	486980.94	3856357.95	5.03503	6.74E+00	7.08E+00	7.71E+00
1166	487030.94	3856357.95	5.00039	6.69E+00	7.04E+00	7.66E+00
1167	486980.94	3856407.95	4.92146	6.59E+00	6.92E+00	7.54E+00
1168	487030.94	3856407.95	4.9166	6.58E+00	6.92E+00	7.53E+00
1169	487447.18	3856437.45	4.81056	6.44E+00	6.77E+00	7.37E+00
1170	487497.18	3856437.45	4.75647	6.37E+00	6.69E+00	7.28E+00
1171	487547.18	3856437.45	4.72322	6.32E+00	6.65E+00	7.23E+00
1172	487447.18	3856487.45	4.74287	6.35E+00	6.67E+00	7.26E+00
1173	487497.18	3856487.45	4.70467	6.30E+00	6.62E+00	7.20E+00
1174	487547.18	3856487.45	4.63648	6.21E+00	6.52E+00	7.10E+00
1175	487447.18	3856537.45	4.64087	6.21E+00	6.53E+00	7.11E+00
1176	487497.18	3856537.45	4.62667	6.19E+00	6.51E+00	7.08E+00
1177	487547.18	3856537.45	4.58702	6.14E+00	6.45E+00	7.02E+00
1178	489285.89	3858826.54	10.69989	1.43E+01	1.51E+01	1.64E+01
1179	489335.89	3858826.54	10.07164	1.35E+01	1.42E+01	1.54E+01
1180	489385.89	3858826.54	9.6504	1.29E+01	1.36E+01	1.48E+01
1181	489435.89	3858826.54	9.34807	1.25E+01	1.32E+01	1.43E+01
1182	489485.89	3858826.54	9.11333	1.22E+01	1.28E+01	1.40E+01
1183	489535.89	3858826.54	9.00032	1.20E+01	1.27E+01	1.38E+01
1184	489585.89	3858826.54	8.6891	1.16E+01	1.22E+01	1.33E+01
1185	489635.89	3858826.54	8.15822	1.09E+01	1.15E+01	1.25E+01
1186	489685.89	3858826.54	8.14271	1.09E+01	1.15E+01	1.25E+01
1187	489735.89	3858826.54	8.33868	1.12E+01	1.17E+01	1.28E+01
1188	489785.89	3858826.54	8.6135	1.15E+01	1.21E+01	1.32E+01
1189	489835.89	3858826.54	8.74	1.17E+01	1.23E+01	1.34E+01
1190	489885.89	3858826.54	9.05274	1.21E+01	1.27E+01	1.39E+01
1191	489935.89	3858826.54	9.04908	1.21E+01	1.27E+01	1.39E+01
1192	489985.89	3858826.54	8.86969	1.19E+01	1.25E+01	1.36E+01
1193	490035.89	3858826.54	8.50803	1.14E+01	1.20E+01	1.30E+01

1194	489285.89	3858876.54	12.34532	1.65E+01	1.74E+01	1.89E+01
1195	489335.89	3858876.54	11.43016	1.53E+01	1.61E+01	1.75E+01
1196	489385.89	3858876.54	10.62147	1.42E+01	1.49E+01	1.63E+01
1197	489435.89	3858876.54	10.1395	1.36E+01	1.43E+01	1.55E+01
1198	489485.89	3858876.54	9.78939	1.31E+01	1.38E+01	1.50E+01
1199	489535.89	3858876.54	9.46433	1.27E+01	1.33E+01	1.45E+01
1200	489585.89	3858876.54	9.37522	1.25E+01	1.32E+01	1.44E+01
1201	489635.89	3858876.54	9.10306	1.22E+01	1.28E+01	1.39E+01
1202	489685.89	3858876.54	8.59129	1.15E+01	1.21E+01	1.32E+01
1203	489735.89	3858876.54	8.39703	1.12E+01	1.18E+01	1.29E+01
1204	489785.89	3858876.54	8.58136	1.15E+01	1.21E+01	1.31E+01
1205	489835.89	3858876.54	8.93327	1.20E+01	1.26E+01	1.37E+01
1206	489885.89	3858876.54	9.00999	1.21E+01	1.27E+01	1.38E+01
1207	489935.89	3858876.54	9.35382	1.25E+01	1.32E+01	1.43E+01
1208	489985.89	3858876.54	9.30468	1.25E+01	1.31E+01	1.42E+01
1209	490035.89	3858876.54	9.04769	1.21E+01	1.27E+01	1.39E+01
1210	489285.89	3858926.54	14.31935	1.92E+01	2.01E+01	2.19E+01
1211	489335.89	3858926.54	13.25914	1.77E+01	1.87E+01	2.03E+01
1212	489385.89	3858926.54	12.21172	1.63E+01	1.72E+01	1.87E+01
1213	489435.89	3858926.54	11.29869	1.51E+01	1.59E+01	1.73E+01
1214	489485.89	3858926.54	10.70708	1.43E+01	1.51E+01	1.64E+01
1215	489535.89	3858926.54	10.27204	1.37E+01	1.45E+01	1.57E+01
1216	489585.89	3858926.54	9.98892	1.34E+01	1.41E+01	1.53E+01
1217	489635.89	3858926.54	9.70994	1.30E+01	1.37E+01	1.49E+01
1218	489685.89	3858926.54	9.53956	1.28E+01	1.34E+01	1.46E+01
1219	489735.89	3858926.54	9.05116	1.21E+01	1.27E+01	1.39E+01
1220	489785.89	3858926.54	8.67498	1.16E+01	1.22E+01	1.33E+01
1221	489835.89	3858926.54	8.85444	1.19E+01	1.25E+01	1.36E+01
1222	489885.89	3858926.54	9.13234	1.22E+01	1.28E+01	1.40E+01
1223	489935.89	3858926.54	9.31659	1.25E+01	1.31E+01	1.43E+01
1224	489985.89	3858926.54	9.63776	1.29E+01	1.36E+01	1.48E+01
1225	490035.89	3858926.54	9.46421	1.27E+01	1.33E+01	1.45E+01
1226	489335.89	3858976.54	15.46411	2.07E+01	2.18E+01	2.37E+01
1227	489385.89	3858976.54	14.33689	1.92E+01	2.02E+01	2.20E+01
1228	489435.89	3858976.54	13.1845	1.76E+01	1.86E+01	2.02E+01
1229	489485.89	3858976.54	12.09769	1.62E+01	1.70E+01	1.85E+01
1230	489535.89	3858976.54	11.32563	1.52E+01	1.59E+01	1.73E+01
1231	489585.89	3858976.54	10.91442	1.46E+01	1.54E+01	1.67E+01
1232	489635.89	3858976.54	10.51726	1.41E+01	1.48E+01	1.61E+01
1233	489685.89	3858976.54	10.17719	1.36E+01	1.43E+01	1.56E+01
1234	489735.89	3858976.54	9.99862	1.34E+01	1.41E+01	1.53E+01
1235	489785.89	3858976.54	9.61432	1.29E+01	1.35E+01	1.47E+01
1236	489835.89	3858976.54	8.95869	1.20E+01	1.26E+01	1.37E+01
1237	489885.89	3858976.54	9.15259	1.23E+01	1.29E+01	1.40E+01
1238	489935.89	3858976.54	9.49504	1.27E+01	1.34E+01	1.45E+01
1239	489985.89	3858976.54	9.66874	1.29E+01	1.36E+01	1.48E+01
1240	490035.89	3858976.54	9.5215	1.27E+01	1.34E+01	1.46E+01
1241	489385.89	3859026.54	16.77614	2.25E+01	2.36E+01	2.57E+01
1242	489435.89	3859026.54	15.46603	2.07E+01	2.18E+01	2.37E+01
1243	489485.89	3859026.54	14.31771	1.92E+01	2.01E+01	2.19E+01
1244	489535.89	3859026.54	13.09468	1.75E+01	1.84E+01	2.01E+01
1245	489585.89	3859026.54	12.14716	1.63E+01	1.71E+01	1.86E+01
1246	489635.89	3859026.54	11.56853	1.55E+01	1.63E+01	1.77E+01
1247	489685.89	3859026.54	11.07874	1.48E+01	1.56E+01	1.70E+01
1248	489735.89	3859026.54	10.6922	1.43E+01	1.50E+01	1.64E+01
1249	489785.89	3859026.54	10.45157	1.40E+01	1.47E+01	1.60E+01
1250	489835.89	3859026.54	10.16317	1.36E+01	1.43E+01	1.56E+01
1251	489885.89	3859026.54	9.42319	1.26E+01	1.33E+01	1.44E+01
1252	489935.89	3859026.54	9.45713	1.27E+01	1.33E+01	1.45E+01
1253	489985.89	3859026.54	9.8496	1.32E+01	1.39E+01	1.51E+01
1254	490035.89	3859026.54	9.4364	1.26E+01	1.33E+01	1.44E+01
1255	489485.89	3859076.54	16.93496	2.27E+01	2.38E+01	2.59E+01
1256	489535.89	3859076.54	15.61285	2.09E+01	2.20E+01	2.39E+01

1257	489585.89	3859076.54	14.33532	1.92E+01	2.02E+01	2.20E+01
1258	489635.89	3859076.54	13.12162	1.76E+01	1.85E+01	2.01E+01
1259	489685.89	3859076.54	12.22324	1.64E+01	1.72E+01	1.87E+01
1260	489735.89	3859076.54	11.79552	1.58E+01	1.66E+01	1.81E+01
1261	489785.89	3859076.54	11.31518	1.51E+01	1.59E+01	1.73E+01
1262	489835.89	3859076.54	11.00024	1.47E+01	1.55E+01	1.68E+01
1263	489885.89	3859076.54	10.73578	1.44E+01	1.51E+01	1.64E+01
1264	489935.89	3859076.54	10.06273	1.35E+01	1.42E+01	1.54E+01
1265	489985.89	3859076.54	9.76862	1.31E+01	1.37E+01	1.50E+01
1266	490035.89	3859076.54	9.75984	1.31E+01	1.37E+01	1.49E+01
1267	489585.89	3859126.54	17.14994	2.30E+01	2.41E+01	2.63E+01
1268	489635.89	3859126.54	15.84357	2.12E+01	2.23E+01	2.43E+01
1269	489685.89	3859126.54	14.54369	1.95E+01	2.05E+01	2.23E+01
1270	489735.89	3859126.54	13.30368	1.78E+01	1.87E+01	2.04E+01
1271	489785.89	3859126.54	12.67292	1.70E+01	1.78E+01	1.94E+01
1272	489835.89	3859126.54	12.10706	1.62E+01	1.70E+01	1.85E+01
1273	489885.89	3859126.54	11.62993	1.56E+01	1.64E+01	1.78E+01
1274	489935.89	3859126.54	11.35187	1.52E+01	1.60E+01	1.74E+01
1275	489985.89	3859126.54	10.64208	1.42E+01	1.50E+01	1.63E+01
1276	490035.89	3859126.54	10.00473	1.34E+01	1.41E+01	1.53E+01
1277	489585.89	3859176.54	20.26715	2.71E+01	2.85E+01	3.10E+01
1278	489635.89	3859176.54	18.78601	2.51E+01	2.64E+01	2.88E+01
1279	489685.89	3859176.54	17.4767	2.34E+01	2.46E+01	2.68E+01
1280	489735.89	3859176.54	16.12265	2.16E+01	2.27E+01	2.47E+01
1281	489785.89	3859176.54	14.71976	1.97E+01	2.07E+01	2.25E+01
1282	489835.89	3859176.54	13.55687	1.81E+01	1.91E+01	2.08E+01
1283	489885.89	3859176.54	13.03263	1.74E+01	1.83E+01	2.00E+01
1284	489935.89	3859176.54	12.30283	1.65E+01	1.73E+01	1.88E+01
1285	489985.89	3859176.54	11.92604	1.60E+01	1.68E+01	1.83E+01
1286	490035.89	3859176.54	11.36811	1.52E+01	1.60E+01	1.74E+01
1287	489685.89	3859226.54	20.57197	2.75E+01	2.89E+01	3.15E+01
1288	489735.89	3859226.54	19.17243	2.57E+01	2.70E+01	2.94E+01
1289	489785.89	3859226.54	17.79624	2.38E+01	2.50E+01	2.72E+01
1290	489835.89	3859226.54	16.27805	2.18E+01	2.29E+01	2.49E+01
1291	489885.89	3859226.54	14.78852	1.98E+01	2.08E+01	2.26E+01
1292	489935.89	3859226.54	13.96884	1.87E+01	1.97E+01	2.14E+01
1293	489985.89	3859226.54	13.03756	1.74E+01	1.83E+01	2.00E+01
1294	490035.89	3859226.54	12.5864	1.68E+01	1.77E+01	1.93E+01
1295	489735.89	3859276.54	22.76502	3.05E+01	3.20E+01	3.49E+01
1296	489785.89	3859276.54	21.13051	2.83E+01	2.97E+01	3.24E+01
1297	489835.89	3859276.54	19.75283	2.64E+01	2.78E+01	3.02E+01
1298	489885.89	3859276.54	18.11838	2.43E+01	2.55E+01	2.77E+01
1299	489935.89	3859276.54	16.45874	2.20E+01	2.32E+01	2.52E+01
1300	489985.89	3859276.54	14.93046	2.00E+01	2.10E+01	2.29E+01
1301	490035.89	3859276.54	14.22347	1.90E+01	2.00E+01	2.18E+01
1302	490458.06	3859590.74	24.13914	3.23E+01	3.40E+01	3.70E+01
1303	490508.06	3859590.74	21.96996	2.94E+01	3.09E+01	3.36E+01
1304	490558.06	3859590.74	19.91346	2.67E+01	2.80E+01	3.05E+01
1305	490608.06	3859590.74	17.58151	2.35E+01	2.47E+01	2.69E+01
1306	490658.06	3859590.74	16.62976	2.23E+01	2.34E+01	2.55E+01
1307	490708.06	3859590.74	14.71117	1.97E+01	2.07E+01	2.25E+01
1308	490758.06	3859590.74	11.70814	1.57E+01	1.65E+01	1.79E+01
1309	490808.06	3859590.74	9.72733	1.30E+01	1.37E+01	1.49E+01
1310	490858.06	3859590.74	8.89608	1.19E+01	1.25E+01	1.36E+01
1311	490458.06	3859640.74	33.43954	4.48E+01	4.71E+01	5.12E+01
1312	490508.06	3859640.74	28.53119	3.82E+01	4.01E+01	4.37E+01
1313	490558.06	3859640.74	25.23016	3.38E+01	3.55E+01	3.86E+01
1314	490608.06	3859640.74	22.55802	3.02E+01	3.17E+01	3.45E+01
1315	490658.06	3859640.74	18.65163	2.50E+01	2.62E+01	2.86E+01
1316	490708.06	3859640.74	17.59658	2.36E+01	2.48E+01	2.69E+01
1317	490758.06	3859640.74	15.06241	2.02E+01	2.12E+01	2.31E+01
1318	490808.06	3859640.74	12.3447	1.65E+01	1.74E+01	1.89E+01
1319	490858.06	3859640.74	10.54722	1.41E+01	1.48E+01	1.61E+01

1320	490608.06	3859690.74	29.41559	3.94E+01	4.14E+01	4.50E+01
1321	490658.06	3859690.74	25.30212	3.39E+01	3.56E+01	3.87E+01
1322	490708.06	3859690.74	20.83217	2.79E+01	2.93E+01	3.19E+01
1323	490758.06	3859690.74	18.54337	2.48E+01	2.61E+01	2.84E+01
1324	490808.06	3859690.74	15.89788	2.13E+01	2.24E+01	2.43E+01
1325	490858.06	3859690.74	13.70065	1.83E+01	1.93E+01	2.10E+01
1326	490708.06	3859740.74	29.8256	3.99E+01	4.20E+01	4.57E+01
1327	490758.06	3859740.74	25.15586	3.37E+01	3.54E+01	3.85E+01
1328	490808.06	3859740.74	22.05867	2.95E+01	3.10E+01	3.38E+01
1329	490858.06	3859740.74	19.32034	2.59E+01	2.72E+01	2.96E+01
1330	490786.56	3859749.39	23.94198	3.20E+01	3.37E+01	3.67E+01
1331	490836.56	3859749.39	21.89111	2.93E+01	3.08E+01	3.35E+01
1332	490786.56	3859799.39	36.4591	4.88E+01	5.13E+01	5.58E+01
1333	490836.56	3859799.39	29.29886	3.92E+01	4.12E+01	4.49E+01
1334	492307.84	3854508.36	2.92184	3.91E+00	4.11E+00	4.47E+00
1335	486445.7	3854753.6	7.19643	9.63E+00	1.01E+01	1.10E+01
1336	472599.75	3877830.11	0.30506	4.08E-01	4.29E-01	4.67E-01
1337	493107.48	3866840.19	1.28508	1.72E+00	1.81E+00	1.97E+00
1338	495815.79	3861662.87	3.29751	4.41E+00	4.64E+00	5.05E+00
1339	480272.33	3841389.2	0.42097	5.63E-01	5.92E-01	6.45E-01
1340	497005.18	3862813.64	2.512	3.36E+00	3.53E+00	3.85E+00
1341	493677.33	3860302.55	5.34428	7.15E+00	7.52E+00	8.18E+00
1342	493727.33	3860302.55	5.292	7.08E+00	7.45E+00	8.10E+00
1343	493777.33	3860302.55	5.23139	7.00E+00	7.36E+00	8.01E+00
1344	493827.33	3860302.55	5.18154	6.94E+00	7.29E+00	7.93E+00
1345	493877.33	3860302.55	5.10325	6.83E+00	7.18E+00	7.81E+00
1346	493927.33	3860302.55	4.99333	6.68E+00	7.03E+00	7.65E+00
1347	493977.33	3860302.55	4.9963	6.69E+00	7.03E+00	7.65E+00
1348	494027.33	3860302.55	4.93713	6.61E+00	6.95E+00	7.56E+00
1349	493677.33	3860352.55	5.11921	6.85E+00	7.20E+00	7.84E+00
1350	493727.33	3860352.55	4.99181	6.68E+00	7.02E+00	7.64E+00
1351	493777.33	3860352.55	4.88248	6.53E+00	6.87E+00	7.48E+00
1352	493827.33	3860352.55	4.8727	6.52E+00	6.86E+00	7.46E+00
1353	493877.33	3860352.55	4.89578	6.55E+00	6.89E+00	7.50E+00
1354	493927.33	3860352.55	4.999	6.69E+00	7.03E+00	7.65E+00
1355	493977.33	3860352.55	4.99292	6.68E+00	7.03E+00	7.65E+00
1356	494027.33	3860352.55	4.93298	6.60E+00	6.94E+00	7.55E+00
1357	493677.33	3860402.55	5.03979	6.75E+00	7.09E+00	7.72E+00
1358	493727.33	3860402.55	4.90198	6.56E+00	6.90E+00	7.51E+00
1359	493777.33	3860402.55	4.86559	6.51E+00	6.85E+00	7.45E+00
1360	493827.33	3860402.55	4.72339	6.32E+00	6.65E+00	7.23E+00
1361	493877.33	3860402.55	4.64606	6.22E+00	6.54E+00	7.11E+00
1362	493927.33	3860402.55	4.69813	6.29E+00	6.61E+00	7.19E+00
1363	493977.33	3860402.55	4.89058	6.55E+00	6.88E+00	7.49E+00
1364	494027.33	3860402.55	4.79553	6.42E+00	6.75E+00	7.34E+00
1365	493677.33	3860452.55	5.23714	7.01E+00	7.37E+00	8.02E+00
1366	493727.33	3860452.55	5.11145	6.84E+00	7.19E+00	7.83E+00
1367	493777.33	3860452.55	4.99603	6.69E+00	7.03E+00	7.65E+00
1368	493827.33	3860452.55	4.88257	6.53E+00	6.87E+00	7.48E+00
1369	493877.33	3860452.55	4.76769	6.38E+00	6.71E+00	7.30E+00
1370	493927.33	3860452.55	4.72969	6.33E+00	6.65E+00	7.24E+00
1371	493977.33	3860452.55	4.64252	6.21E+00	6.53E+00	7.11E+00
1372	494027.33	3860452.55	4.54744	6.09E+00	6.40E+00	6.96E+00
1373	493677.33	3860502.55	5.5003	7.36E+00	7.74E+00	8.42E+00
1374	493727.33	3860502.55	5.36087	7.18E+00	7.54E+00	8.21E+00
1375	493777.33	3860502.55	5.21328	6.98E+00	7.34E+00	7.98E+00
1376	493827.33	3860502.55	5.07236	6.79E+00	7.14E+00	7.77E+00
1377	493877.33	3860502.55	4.95082	6.63E+00	6.97E+00	7.58E+00
1378	493927.33	3860502.55	4.83026	6.46E+00	6.80E+00	7.40E+00
1379	493977.33	3860502.55	4.731	6.33E+00	6.66E+00	7.24E+00
1380	494027.33	3860502.55	4.63228	6.20E+00	6.52E+00	7.09E+00
1381	493627.33	3860552.55	5.88574	7.88E+00	8.28E+00	9.01E+00
1382	493677.33	3860552.55	5.76004	7.71E+00	8.10E+00	8.82E+00

1383	493727.33	3860552.55	5.62277	7.53E+00	7.91E+00	8.61E+00
1384	493777.33	3860552.55	5.48335	7.34E+00	7.72E+00	8.40E+00
1385	493827.33	3860552.55	5.32841	7.13E+00	7.50E+00	8.16E+00
1386	493877.33	3860552.55	5.19733	6.96E+00	7.31E+00	7.96E+00
1387	493927.33	3860552.55	5.05456	6.77E+00	7.11E+00	7.74E+00
1388	493977.33	3860552.55	4.91136	6.57E+00	6.91E+00	7.52E+00
1389	494027.33	3860552.55	4.79061	6.41E+00	6.74E+00	7.34E+00
1390	493627.33	3860602.55	6.10597	8.17E+00	8.59E+00	9.35E+00
1391	493727.33	3860602.55	5.87213	7.86E+00	8.26E+00	8.99E+00
1392	493777.33	3860602.55	5.72827	7.67E+00	8.06E+00	8.77E+00
1393	493827.33	3860602.55	5.58684	7.48E+00	7.86E+00	8.55E+00
1394	493877.33	3860602.55	5.41546	7.25E+00	7.62E+00	8.29E+00
1395	493927.33	3860602.55	5.28046	7.07E+00	7.43E+00	8.09E+00
1396	493977.33	3860602.55	5.14679	6.89E+00	7.24E+00	7.88E+00
1397	494027.33	3860602.55	5.03084	6.73E+00	7.08E+00	7.70E+00
1398	493627.33	3860652.55	6.29865	8.43E+00	8.86E+00	9.64E+00
1399	493727.33	3860652.55	5.99144	8.02E+00	8.43E+00	9.17E+00
1400	493777.33	3860652.55	5.87467	7.86E+00	8.27E+00	9.00E+00
1401	493827.33	3860652.55	5.74514	7.69E+00	8.08E+00	8.80E+00
1402	493877.33	3860652.55	5.63248	7.54E+00	7.93E+00	8.62E+00
1403	493927.33	3860652.55	5.50139	7.36E+00	7.74E+00	8.42E+00
1404	493977.33	3860652.55	5.37438	7.19E+00	7.56E+00	8.23E+00
1405	494027.33	3860652.55	5.22421	6.99E+00	7.35E+00	8.00E+00
1406	494311.06	3858401.99	2.91755	3.90E+00	4.11E+00	4.47E+00
1407	494361.06	3858401.99	2.84402	3.81E+00	4.00E+00	4.35E+00
1408	494411.06	3858401.99	2.78869	3.73E+00	3.92E+00	4.27E+00
1409	494461.06	3858401.99	2.75481	3.69E+00	3.88E+00	4.22E+00
1410	494511.06	3858401.99	2.67562	3.58E+00	3.76E+00	4.10E+00
1411	494561.06	3858401.99	2.62191	3.51E+00	3.69E+00	4.01E+00
1412	494611.06	3858401.99	2.54097	3.40E+00	3.58E+00	3.89E+00
1413	494661.06	3858401.99	2.48056	3.32E+00	3.49E+00	3.80E+00
1414	494711.06	3858401.99	2.39927	3.21E+00	3.38E+00	3.67E+00
1415	494761.06	3858401.99	2.35358	3.15E+00	3.31E+00	3.60E+00
1416	494811.06	3858401.99	2.28042	3.05E+00	3.21E+00	3.49E+00
1417	494861.06	3858401.99	2.23322	2.99E+00	3.14E+00	3.42E+00
1418	494911.06	3858401.99	2.20232	2.95E+00	3.10E+00	3.37E+00
1419	494961.06	3858401.99	2.17643	2.91E+00	3.06E+00	3.33E+00
1420	495011.06	3858401.99	2.12205	2.84E+00	2.99E+00	3.25E+00
1421	495061.06	3858401.99	2.07737	2.78E+00	2.92E+00	3.18E+00
1422	495111.06	3858401.99	1.96317	2.63E+00	2.76E+00	3.01E+00
1423	495161.06	3858401.99	1.94651	2.61E+00	2.74E+00	2.98E+00
1424	495211.06	3858401.99	1.8336	2.45E+00	2.58E+00	2.81E+00
1425	495261.06	3858401.99	1.76557	2.36E+00	2.48E+00	2.70E+00
1426	495311.06	3858401.99	1.68809	2.26E+00	2.38E+00	2.58E+00
1427	495361.06	3858401.99	1.6255	2.18E+00	2.29E+00	2.49E+00
1428	495411.06	3858401.99	1.5773	2.11E+00	2.22E+00	2.42E+00
1429	495461.06	3858401.99	1.53448	2.05E+00	2.16E+00	2.35E+00
1430	495511.06	3858401.99	1.53699	2.06E+00	2.16E+00	2.35E+00
1431	495561.06	3858401.99	1.5215	2.04E+00	2.14E+00	2.33E+00
1432	495611.06	3858401.99	1.53266	2.05E+00	2.16E+00	2.35E+00
1433	495661.06	3858401.99	1.58238	2.12E+00	2.23E+00	2.42E+00
1434	494311.06	3858451.99	3.05604	4.09E+00	4.30E+00	4.68E+00
1435	494361.06	3858451.99	3.02179	4.04E+00	4.25E+00	4.63E+00
1436	494411.06	3858451.99	2.98642	4.00E+00	4.20E+00	4.57E+00
1437	494461.06	3858451.99	2.94742	3.94E+00	4.15E+00	4.51E+00
1438	494511.06	3858451.99	2.91817	3.91E+00	4.11E+00	4.47E+00
1439	494561.06	3858451.99	2.84486	3.81E+00	4.00E+00	4.36E+00
1440	494611.06	3858451.99	2.77832	3.72E+00	3.91E+00	4.25E+00
1441	494661.06	3858451.99	2.69896	3.61E+00	3.80E+00	4.13E+00
1442	494711.06	3858451.99	2.61536	3.50E+00	3.68E+00	4.00E+00
1443	494761.06	3858451.99	2.5351	3.39E+00	3.57E+00	3.88E+00
1444	494811.06	3858451.99	2.4799	3.32E+00	3.49E+00	3.80E+00
1445	494861.06	3858451.99	2.41021	3.23E+00	3.39E+00	3.69E+00

1446	494911.06	3858451.99	2.32125	3.11E+00	3.27E+00	3.55E+00
1447	494961.06	3858451.99	2.2553	3.02E+00	3.17E+00	3.45E+00
1448	495011.06	3858451.99	2.19938	2.94E+00	3.09E+00	3.37E+00
1449	495061.06	3858451.99	2.19638	2.94E+00	3.09E+00	3.36E+00
1450	495111.06	3858451.99	2.13897	2.86E+00	3.01E+00	3.28E+00
1451	495161.06	3858451.99	2.06027	2.76E+00	2.90E+00	3.15E+00
1452	495211.06	3858451.99	1.98239	2.65E+00	2.79E+00	3.04E+00
1453	495261.06	3858451.99	1.9287	2.58E+00	2.71E+00	2.95E+00
1454	495311.06	3858451.99	1.87822	2.51E+00	2.64E+00	2.88E+00
1455	495361.06	3858451.99	1.82888	2.45E+00	2.57E+00	2.80E+00
1456	495411.06	3858451.99	1.79478	2.40E+00	2.53E+00	2.75E+00
1457	495461.06	3858451.99	1.75892	2.35E+00	2.47E+00	2.69E+00
1458	495511.06	3858451.99	1.68437	2.25E+00	2.37E+00	2.58E+00
1459	495561.06	3858451.99	1.65584	2.22E+00	2.33E+00	2.54E+00
1460	495611.06	3858451.99	1.61197	2.16E+00	2.27E+00	2.47E+00
1461	495661.06	3858451.99	1.64096	2.20E+00	2.31E+00	2.51E+00
1462	494311.06	3858501.99	3.07203	4.11E+00	4.32E+00	4.70E+00
1463	494361.06	3858501.99	3.07946	4.12E+00	4.33E+00	4.72E+00
1464	494411.06	3858501.99	3.0701	4.11E+00	4.32E+00	4.70E+00
1465	494461.06	3858501.99	3.06792	4.11E+00	4.32E+00	4.70E+00
1466	494511.06	3858501.99	3.02014	4.04E+00	4.25E+00	4.62E+00
1467	494561.06	3858501.99	3.03326	4.06E+00	4.27E+00	4.64E+00
1468	494611.06	3858501.99	2.97442	3.98E+00	4.19E+00	4.55E+00
1469	494661.06	3858501.99	2.92576	3.92E+00	4.12E+00	4.48E+00
1470	494711.06	3858501.99	2.83799	3.80E+00	3.99E+00	4.35E+00
1471	494761.06	3858501.99	2.73154	3.66E+00	3.84E+00	4.18E+00
1472	494811.06	3858501.99	2.6444	3.54E+00	3.72E+00	4.05E+00
1473	494861.06	3858501.99	2.58222	3.46E+00	3.63E+00	3.95E+00
1474	494911.06	3858501.99	2.47808	3.32E+00	3.49E+00	3.79E+00
1475	494961.06	3858501.99	2.42013	3.24E+00	3.41E+00	3.71E+00
1476	495011.06	3858501.99	2.31789	3.10E+00	3.26E+00	3.55E+00
1477	495061.06	3858501.99	2.28415	3.06E+00	3.21E+00	3.50E+00
1478	495111.06	3858501.99	2.19506	2.94E+00	3.09E+00	3.36E+00
1479	495161.06	3858501.99	2.15273	2.88E+00	3.03E+00	3.30E+00
1480	495211.06	3858501.99	2.10217	2.81E+00	2.96E+00	3.22E+00
1481	495261.06	3858501.99	2.06616	2.77E+00	2.91E+00	3.16E+00
1482	495311.06	3858501.99	2.0456	2.74E+00	2.88E+00	3.13E+00
1483	495361.06	3858501.99	2.01911	2.70E+00	2.84E+00	3.09E+00
1484	495411.06	3858501.99	1.99532	2.67E+00	2.81E+00	3.06E+00
1485	495461.06	3858501.99	1.96454	2.63E+00	2.76E+00	3.01E+00
1486	495511.06	3858501.99	1.91599	2.56E+00	2.70E+00	2.93E+00
1487	495561.06	3858501.99	1.89394	2.53E+00	2.66E+00	2.90E+00
1488	495611.06	3858501.99	1.81002	2.42E+00	2.55E+00	2.77E+00
1489	495661.06	3858501.99	1.7705	2.37E+00	2.49E+00	2.71E+00
1490	494311.06	3858551.99	3.01478	4.04E+00	4.24E+00	4.62E+00
1491	494361.06	3858551.99	3.0739	4.11E+00	4.33E+00	4.71E+00
1492	494411.06	3858551.99	3.1353	4.20E+00	4.41E+00	4.80E+00
1493	494461.06	3858551.99	3.16813	4.24E+00	4.46E+00	4.85E+00
1494	494511.06	3858551.99	3.17041	4.24E+00	4.46E+00	4.85E+00
1495	494561.06	3858551.99	3.16836	4.24E+00	4.46E+00	4.85E+00
1496	494611.06	3858551.99	3.14223	4.21E+00	4.42E+00	4.81E+00
1497	494661.06	3858551.99	3.11043	4.16E+00	4.38E+00	4.76E+00
1498	494711.06	3858551.99	3.0359	4.06E+00	4.27E+00	4.65E+00
1499	494761.06	3858551.99	2.951	3.95E+00	4.15E+00	4.52E+00
1500	494811.06	3858551.99	2.87246	3.84E+00	4.04E+00	4.40E+00
1501	494861.06	3858551.99	2.76817	3.70E+00	3.89E+00	4.24E+00
1502	494911.06	3858551.99	2.66665	3.57E+00	3.75E+00	4.08E+00
1503	494961.06	3858551.99	2.58336	3.46E+00	3.63E+00	3.96E+00
1504	495011.06	3858551.99	2.48952	3.33E+00	3.50E+00	3.81E+00
1505	495061.06	3858551.99	2.42731	3.25E+00	3.42E+00	3.72E+00
1506	495111.06	3858551.99	2.30128	3.08E+00	3.24E+00	3.52E+00
1507	495161.06	3858551.99	2.23163	2.99E+00	3.14E+00	3.42E+00
1508	495211.06	3858551.99	2.19159	2.93E+00	3.08E+00	3.36E+00

1509	495261.06	3858551.99	2.17911	2.92E+00	3.07E+00	3.34E+00
1510	495311.06	3858551.99	2.18302	2.92E+00	3.07E+00	3.34E+00
1511	495361.06	3858551.99	2.17316	2.91E+00	3.06E+00	3.33E+00
1512	495411.06	3858551.99	2.17134	2.91E+00	3.06E+00	3.32E+00
1513	495461.06	3858551.99	2.15039	2.88E+00	3.03E+00	3.29E+00
1514	495511.06	3858551.99	2.13385	2.86E+00	3.00E+00	3.27E+00
1515	495561.06	3858551.99	2.09662	2.81E+00	2.95E+00	3.21E+00
1516	495611.06	3858551.99	2.04572	2.74E+00	2.88E+00	3.13E+00
1517	495661.06	3858551.99	1.98418	2.66E+00	2.79E+00	3.04E+00
1518	494311.06	3858601.99	2.82994	3.79E+00	3.98E+00	4.33E+00
1519	494361.06	3858601.99	3.05595	4.09E+00	4.30E+00	4.68E+00
1520	494411.06	3858601.99	3.23576	4.33E+00	4.55E+00	4.95E+00
1521	494461.06	3858601.99	3.25279	4.35E+00	4.58E+00	4.98E+00
1522	494511.06	3858601.99	3.22449	4.32E+00	4.54E+00	4.94E+00
1523	494561.06	3858601.99	3.2715	4.38E+00	4.60E+00	5.01E+00
1524	494611.06	3858601.99	3.25344	4.35E+00	4.58E+00	4.98E+00
1525	494661.06	3858601.99	3.23837	4.33E+00	4.56E+00	4.96E+00
1526	494711.06	3858601.99	3.19148	4.27E+00	4.49E+00	4.89E+00
1527	494761.06	3858601.99	3.13299	4.19E+00	4.41E+00	4.80E+00
1528	494811.06	3858601.99	3.03108	4.06E+00	4.26E+00	4.64E+00
1529	494861.06	3858601.99	2.96323	3.97E+00	4.17E+00	4.54E+00
1530	494911.06	3858601.99	2.84457	3.81E+00	4.00E+00	4.36E+00
1531	494961.06	3858601.99	2.74574	3.67E+00	3.86E+00	4.20E+00
1532	495011.06	3858601.99	2.65817	3.56E+00	3.74E+00	4.07E+00
1533	495061.06	3858601.99	2.56595	3.43E+00	3.61E+00	3.93E+00
1534	495111.06	3858601.99	2.44457	3.27E+00	3.44E+00	3.74E+00
1535	495161.06	3858601.99	2.37405	3.18E+00	3.34E+00	3.64E+00
1536	495211.06	3858601.99	2.32142	3.11E+00	3.27E+00	3.55E+00
1537	495261.06	3858601.99	2.27476	3.04E+00	3.20E+00	3.48E+00
1538	495311.06	3858601.99	2.26973	3.04E+00	3.19E+00	3.48E+00
1539	495361.06	3858601.99	2.28501	3.06E+00	3.22E+00	3.50E+00
1540	495411.06	3858601.99	2.29186	3.07E+00	3.22E+00	3.51E+00
1541	495461.06	3858601.99	2.29463	3.07E+00	3.23E+00	3.51E+00
1542	495511.06	3858601.99	2.26592	3.03E+00	3.19E+00	3.47E+00
1543	495561.06	3858601.99	2.26138	3.03E+00	3.18E+00	3.46E+00
1544	495611.06	3858601.99	2.20837	2.96E+00	3.11E+00	3.38E+00
1545	495661.06	3858601.99	2.18092	2.92E+00	3.07E+00	3.34E+00
1546	494311.06	3858651.99	2.85975	3.83E+00	4.02E+00	4.38E+00
1547	494361.06	3858651.99	3.06711	4.11E+00	4.32E+00	4.70E+00
1548	494411.06	3858651.99	3.26851	4.37E+00	4.60E+00	5.00E+00
1549	494461.06	3858651.99	3.31057	4.43E+00	4.66E+00	5.07E+00
1550	494511.06	3858651.99	3.31877	4.44E+00	4.67E+00	5.08E+00
1551	494561.06	3858651.99	3.32821	4.45E+00	4.68E+00	5.10E+00
1552	494611.06	3858651.99	3.31991	4.44E+00	4.67E+00	5.08E+00
1553	494661.06	3858651.99	3.31661	4.44E+00	4.67E+00	5.08E+00
1554	494711.06	3858651.99	3.28535	4.40E+00	4.62E+00	5.03E+00
1555	494761.06	3858651.99	3.25587	4.36E+00	4.58E+00	4.99E+00
1556	494811.06	3858651.99	3.18945	4.27E+00	4.49E+00	4.88E+00
1557	494861.06	3858651.99	3.11635	4.17E+00	4.38E+00	4.77E+00
1558	494911.06	3858651.99	3.0221	4.04E+00	4.25E+00	4.63E+00
1559	494961.06	3858651.99	2.92438	3.91E+00	4.11E+00	4.48E+00
1560	495011.06	3858651.99	2.83524	3.79E+00	3.99E+00	4.34E+00
1561	495061.06	3858651.99	2.72864	3.65E+00	3.84E+00	4.18E+00
1562	495111.06	3858651.99	2.62099	3.51E+00	3.69E+00	4.01E+00
1563	495161.06	3858651.99	2.54825	3.41E+00	3.59E+00	3.90E+00
1564	495211.06	3858651.99	2.47477	3.31E+00	3.48E+00	3.79E+00
1565	495261.06	3858651.99	2.44817	3.28E+00	3.44E+00	3.75E+00
1566	495311.06	3858651.99	2.39953	3.21E+00	3.38E+00	3.67E+00
1567	495361.06	3858651.99	2.37359	3.18E+00	3.34E+00	3.63E+00
1568	495411.06	3858651.99	2.39726	3.21E+00	3.37E+00	3.67E+00
1569	495461.06	3858651.99	2.42884	3.25E+00	3.42E+00	3.72E+00
1570	495511.06	3858651.99	2.41147	3.23E+00	3.39E+00	3.69E+00
1571	495561.06	3858651.99	2.39723	3.21E+00	3.37E+00	3.67E+00

1572	495611.06	3858651.99	2.3545	3.15E+00	3.31E+00	3.61E+00
1573	495661.06	3858651.99	2.34017	3.13E+00	3.29E+00	3.58E+00
1574	494311.06	3858701.99	2.96186	3.96E+00	4.17E+00	4.54E+00
1575	494361.06	3858701.99	3.23237	4.33E+00	4.55E+00	4.95E+00
1576	494411.06	3858701.99	3.3626	4.50E+00	4.73E+00	5.15E+00
1577	494461.06	3858701.99	3.36221	4.50E+00	4.73E+00	5.15E+00
1578	494511.06	3858701.99	3.37701	4.52E+00	4.75E+00	5.17E+00
1579	494561.06	3858701.99	3.37135	4.51E+00	4.74E+00	5.16E+00
1580	494611.06	3858701.99	3.33945	4.47E+00	4.70E+00	5.11E+00
1581	494661.06	3858701.99	3.35873	4.50E+00	4.73E+00	5.14E+00
1582	494711.06	3858701.99	3.22836	4.32E+00	4.54E+00	4.94E+00
1583	494761.06	3858701.99	3.29674	4.41E+00	4.64E+00	5.05E+00
1584	494811.06	3858701.99	3.25335	4.35E+00	4.58E+00	4.98E+00
1585	494861.06	3858701.99	3.2119	4.30E+00	4.52E+00	4.92E+00
1586	494911.06	3858701.99	3.16685	4.24E+00	4.46E+00	4.85E+00
1587	494961.06	3858701.99	3.05181	4.08E+00	4.29E+00	4.67E+00
1588	495011.06	3858701.99	2.96694	3.97E+00	4.17E+00	4.54E+00
1589	495061.06	3858701.99	2.91523	3.90E+00	4.10E+00	4.46E+00
1590	495111.06	3858701.99	2.79601	3.74E+00	3.93E+00	4.28E+00
1591	495161.06	3858701.99	2.71762	3.64E+00	3.82E+00	4.16E+00
1592	495211.06	3858701.99	2.63514	3.53E+00	3.71E+00	4.03E+00
1593	495261.06	3858701.99	2.60425	3.49E+00	3.66E+00	3.99E+00
1594	495311.06	3858701.99	2.58612	3.46E+00	3.64E+00	3.96E+00
1595	495361.06	3858701.99	2.55016	3.41E+00	3.59E+00	3.90E+00
1596	495411.06	3858701.99	2.5296	3.39E+00	3.56E+00	3.87E+00
1597	495461.06	3858701.99	2.50516	3.35E+00	3.52E+00	3.84E+00
1598	495511.06	3858701.99	2.50725	3.36E+00	3.53E+00	3.84E+00
1599	495561.06	3858701.99	2.50117	3.35E+00	3.52E+00	3.83E+00
1600	495611.06	3858701.99	2.48486	3.33E+00	3.50E+00	3.80E+00
1601	495661.06	3858701.99	2.47604	3.31E+00	3.48E+00	3.79E+00
1602	494311.06	3858751.99	3.06172	4.10E+00	4.31E+00	4.69E+00
1603	494361.06	3858751.99	3.35183	4.49E+00	4.72E+00	5.13E+00
1604	494411.06	3858751.99	3.44222	4.61E+00	4.84E+00	5.27E+00
1605	494461.06	3858751.99	3.44341	4.61E+00	4.85E+00	5.27E+00
1606	494511.06	3858751.99	3.46579	4.64E+00	4.88E+00	5.31E+00
1607	494561.06	3858751.99	3.42306	4.58E+00	4.82E+00	5.24E+00
1608	494611.06	3858751.99	3.39234	4.54E+00	4.77E+00	5.19E+00
1609	494661.06	3858751.99	3.37431	4.52E+00	4.75E+00	5.17E+00
1610	494711.06	3858751.99	3.33021	4.46E+00	4.69E+00	5.10E+00
1611	494761.06	3858751.99	3.34037	4.47E+00	4.70E+00	5.11E+00
1612	494811.06	3858751.99	3.28783	4.40E+00	4.63E+00	5.03E+00
1613	494861.06	3858751.99	3.25788	4.36E+00	4.58E+00	4.99E+00
1614	494911.06	3858751.99	3.20658	4.29E+00	4.51E+00	4.91E+00
1615	494961.06	3858751.99	3.16546	4.24E+00	4.45E+00	4.85E+00
1616	495011.06	3858751.99	3.13237	4.19E+00	4.41E+00	4.80E+00
1617	495061.06	3858751.99	3.066	4.10E+00	4.31E+00	4.69E+00
1618	495111.06	3858751.99	2.97554	3.98E+00	4.19E+00	4.56E+00
1619	495161.06	3858751.99	2.90984	3.89E+00	4.09E+00	4.46E+00
1620	495211.06	3858751.99	2.82066	3.78E+00	3.97E+00	4.32E+00
1621	495261.06	3858751.99	2.77319	3.71E+00	3.90E+00	4.25E+00
1622	495311.06	3858751.99	2.74386	3.67E+00	3.86E+00	4.20E+00
1623	495361.06	3858751.99	2.70077	3.61E+00	3.80E+00	4.14E+00
1624	495411.06	3858751.99	2.69642	3.61E+00	3.79E+00	4.13E+00
1625	495461.06	3858751.99	2.66596	3.57E+00	3.75E+00	4.08E+00
1626	495511.06	3858751.99	2.61845	3.50E+00	3.68E+00	4.01E+00
1627	495561.06	3858751.99	2.58478	3.46E+00	3.64E+00	3.96E+00
1628	495611.06	3858751.99	2.57471	3.45E+00	3.62E+00	3.94E+00
1629	495661.06	3858751.99	2.57814	3.45E+00	3.63E+00	3.95E+00
1630	494311.06	3858801.99	3.19581	4.28E+00	4.50E+00	4.89E+00
1631	494361.06	3858801.99	3.41625	4.57E+00	4.81E+00	5.23E+00
1632	494411.06	3858801.99	3.47912	4.66E+00	4.90E+00	5.33E+00
1633	494461.06	3858801.99	3.50909	4.70E+00	4.94E+00	5.37E+00
1634	494511.06	3858801.99	3.53315	4.73E+00	4.97E+00	5.41E+00

1635	494561.06	3858801.99	3.51495	4.70E+00	4.95E+00	5.38E+00
1636	494611.06	3858801.99	3.49641	4.68E+00	4.92E+00	5.35E+00
1637	494661.06	3858801.99	3.45252	4.62E+00	4.86E+00	5.29E+00
1638	494711.06	3858801.99	3.41465	4.57E+00	4.80E+00	5.23E+00
1639	494761.06	3858801.99	3.36553	4.50E+00	4.74E+00	5.15E+00
1640	494811.06	3858801.99	3.31753	4.44E+00	4.67E+00	5.08E+00
1641	494861.06	3858801.99	3.29583	4.41E+00	4.64E+00	5.05E+00
1642	494911.06	3858801.99	3.24816	4.35E+00	4.57E+00	4.97E+00
1643	494961.06	3858801.99	3.23004	4.32E+00	4.54E+00	4.95E+00
1644	495011.06	3858801.99	3.19677	4.28E+00	4.50E+00	4.89E+00
1645	495061.06	3858801.99	3.17451	4.25E+00	4.47E+00	4.86E+00
1646	495111.06	3858801.99	3.09904	4.15E+00	4.36E+00	4.75E+00
1647	495161.06	3858801.99	3.03423	4.06E+00	4.27E+00	4.65E+00
1648	495211.06	3858801.99	2.98952	4.00E+00	4.21E+00	4.58E+00
1649	495261.06	3858801.99	2.95477	3.95E+00	4.16E+00	4.52E+00
1650	495311.06	3858801.99	2.91766	3.91E+00	4.11E+00	4.47E+00
1651	495361.06	3858801.99	2.87207	3.84E+00	4.04E+00	4.40E+00
1652	495411.06	3858801.99	2.86476	3.83E+00	4.03E+00	4.39E+00
1653	495461.06	3858801.99	2.81864	3.77E+00	3.97E+00	4.32E+00
1654	495511.06	3858801.99	2.77778	3.72E+00	3.91E+00	4.25E+00
1655	495561.06	3858801.99	2.73718	3.66E+00	3.85E+00	4.19E+00
1656	495611.06	3858801.99	2.67533	3.58E+00	3.76E+00	4.10E+00
1657	495661.06	3858801.99	2.66373	3.57E+00	3.75E+00	4.08E+00
1658	494311.06	3858851.99	3.37729	4.52E+00	4.75E+00	5.17E+00
1659	494361.06	3858851.99	3.49352	4.68E+00	4.92E+00	5.35E+00
1660	494411.06	3858851.99	3.5143	4.70E+00	4.94E+00	5.38E+00
1661	494461.06	3858851.99	3.53937	4.74E+00	4.98E+00	5.42E+00
1662	494511.06	3858851.99	3.57137	4.78E+00	5.03E+00	5.47E+00
1663	494561.06	3858851.99	3.56887	4.78E+00	5.02E+00	5.46E+00
1664	494611.06	3858851.99	3.54467	4.74E+00	4.99E+00	5.43E+00
1665	494661.06	3858851.99	3.50225	4.69E+00	4.93E+00	5.36E+00
1666	494711.06	3858851.99	3.45287	4.62E+00	4.86E+00	5.29E+00
1667	494761.06	3858851.99	3.39112	4.54E+00	4.77E+00	5.19E+00
1668	494811.06	3858851.99	3.35277	4.49E+00	4.72E+00	5.13E+00
1669	494861.06	3858851.99	3.33608	4.47E+00	4.69E+00	5.11E+00
1670	494911.06	3858851.99	3.30812	4.43E+00	4.65E+00	5.07E+00
1671	494961.06	3858851.99	3.27696	4.39E+00	4.61E+00	5.02E+00
1672	495011.06	3858851.99	3.25666	4.36E+00	4.58E+00	4.99E+00
1673	495061.06	3858851.99	3.23653	4.33E+00	4.55E+00	4.96E+00
1674	495111.06	3858851.99	3.15727	4.23E+00	4.44E+00	4.83E+00
1675	495161.06	3858851.99	3.11527	4.17E+00	4.38E+00	4.77E+00
1676	495211.06	3858851.99	3.12489	4.18E+00	4.40E+00	4.78E+00
1677	495261.06	3858851.99	3.10629	4.16E+00	4.37E+00	4.76E+00
1678	495311.06	3858851.99	3.09012	4.14E+00	4.35E+00	4.73E+00
1679	495361.06	3858851.99	3.05629	4.09E+00	4.30E+00	4.68E+00
1680	495411.06	3858851.99	3.01352	4.03E+00	4.24E+00	4.61E+00
1681	495461.06	3858851.99	2.98341	3.99E+00	4.20E+00	4.57E+00
1682	495511.06	3858851.99	2.93936	3.93E+00	4.14E+00	4.50E+00
1683	495561.06	3858851.99	2.86143	3.83E+00	4.03E+00	4.38E+00
1684	495611.06	3858851.99	2.80949	3.76E+00	3.95E+00	4.30E+00
1685	495661.06	3858851.99	2.78571	3.73E+00	3.92E+00	4.27E+00
1686	494311.06	3858901.99	3.37075	4.51E+00	4.74E+00	5.16E+00
1687	494361.06	3858901.99	3.46423	4.64E+00	4.87E+00	5.30E+00
1688	494411.06	3858901.99	3.50996	4.70E+00	4.94E+00	5.37E+00
1689	494461.06	3858901.99	3.55966	4.76E+00	5.01E+00	5.45E+00
1690	494511.06	3858901.99	3.57861	4.79E+00	5.04E+00	5.48E+00
1691	494561.06	3858901.99	3.58315	4.80E+00	5.04E+00	5.49E+00
1692	494611.06	3858901.99	3.56476	4.77E+00	5.02E+00	5.46E+00
1693	494661.06	3858901.99	3.55097	4.75E+00	5.00E+00	5.44E+00
1694	494711.06	3858901.99	3.50782	4.69E+00	4.94E+00	5.37E+00
1695	494761.06	3858901.99	3.44547	4.61E+00	4.85E+00	5.28E+00
1696	494811.06	3858901.99	3.41185	4.57E+00	4.80E+00	5.22E+00
1697	494861.06	3858901.99	3.38009	4.52E+00	4.76E+00	5.18E+00

1698	494911.06	3858901.99	3.32353	4.45E+00	4.68E+00	5.09E+00
1699	494961.06	3858901.99	3.3043	4.42E+00	4.65E+00	5.06E+00
1700	495011.06	3858901.99	3.28884	4.40E+00	4.63E+00	5.04E+00
1701	495061.06	3858901.99	3.24251	4.34E+00	4.56E+00	4.96E+00
1702	495111.06	3858901.99	3.16797	4.24E+00	4.46E+00	4.85E+00
1703	495161.06	3858901.99	3.16964	4.24E+00	4.46E+00	4.85E+00
1704	495211.06	3858901.99	3.21463	4.30E+00	4.52E+00	4.92E+00
1705	495261.06	3858901.99	3.22436	4.32E+00	4.54E+00	4.94E+00
1706	495311.06	3858901.99	3.2145	4.30E+00	4.52E+00	4.92E+00
1707	495361.06	3858901.99	3.19752	4.28E+00	4.50E+00	4.90E+00
1708	495411.06	3858901.99	3.18558	4.26E+00	4.48E+00	4.88E+00
1709	495461.06	3858901.99	3.139	4.20E+00	4.42E+00	4.81E+00
1710	495511.06	3858901.99	3.06862	4.11E+00	4.32E+00	4.70E+00
1711	495561.06	3858901.99	3.01817	4.04E+00	4.25E+00	4.62E+00
1712	495611.06	3858901.99	2.9556	3.96E+00	4.16E+00	4.53E+00
1713	495661.06	3858901.99	2.9228	3.91E+00	4.11E+00	4.48E+00
1714	494311.06	3858951.99	3.43644	4.60E+00	4.84E+00	5.26E+00
1715	494361.06	3858951.99	3.44131	4.61E+00	4.84E+00	5.27E+00
1716	494411.06	3858951.99	3.45379	4.62E+00	4.86E+00	5.29E+00
1717	494461.06	3858951.99	3.51231	4.70E+00	4.94E+00	5.38E+00
1718	494511.06	3858951.99	3.54453	4.74E+00	4.99E+00	5.43E+00
1719	494561.06	3858951.99	3.5615	4.77E+00	5.01E+00	5.45E+00
1720	494611.06	3858951.99	3.55994	4.76E+00	5.01E+00	5.45E+00
1721	494661.06	3858951.99	3.55751	4.76E+00	5.01E+00	5.45E+00
1722	494711.06	3858951.99	3.53234	4.73E+00	4.97E+00	5.41E+00
1723	494761.06	3858951.99	3.50412	4.69E+00	4.93E+00	5.37E+00
1724	494811.06	3858951.99	3.47515	4.65E+00	4.89E+00	5.32E+00
1725	494861.06	3858951.99	3.4401	4.60E+00	4.84E+00	5.27E+00
1726	494911.06	3858951.99	3.39679	4.55E+00	4.78E+00	5.20E+00
1727	494961.06	3858951.99	3.3716	4.51E+00	4.74E+00	5.16E+00
1728	495011.06	3858951.99	3.30093	4.42E+00	4.64E+00	5.05E+00
1729	495061.06	3858951.99	3.23455	4.33E+00	4.55E+00	4.95E+00
1730	495111.06	3858951.99	3.18557	4.26E+00	4.48E+00	4.88E+00
1731	495161.06	3858951.99	3.23909	4.34E+00	4.56E+00	4.96E+00
1732	495211.06	3858951.99	3.26392	4.37E+00	4.59E+00	5.00E+00
1733	495261.06	3858951.99	3.29307	4.41E+00	4.63E+00	5.04E+00
1734	495311.06	3858951.99	3.27915	4.39E+00	4.61E+00	5.02E+00
1735	495361.06	3858951.99	3.29275	4.41E+00	4.63E+00	5.04E+00
1736	495411.06	3858951.99	3.30215	4.42E+00	4.65E+00	5.06E+00
1737	495461.06	3858951.99	3.28022	4.39E+00	4.62E+00	5.02E+00
1738	495511.06	3858951.99	3.26017	4.36E+00	4.59E+00	4.99E+00
1739	495561.06	3858951.99	3.17745	4.25E+00	4.47E+00	4.87E+00
1740	495611.06	3858951.99	3.10828	4.16E+00	4.37E+00	4.76E+00
1741	495661.06	3858951.99	3.08864	4.13E+00	4.35E+00	4.73E+00
1742	494311.06	3859001.99	3.47281	4.65E+00	4.89E+00	5.32E+00
1743	494361.06	3859001.99	3.46822	4.64E+00	4.88E+00	5.31E+00
1744	494411.06	3859001.99	3.4668	4.64E+00	4.88E+00	5.31E+00
1745	494461.06	3859001.99	3.4569	4.63E+00	4.86E+00	5.29E+00
1746	494511.06	3859001.99	3.47499	4.65E+00	4.89E+00	5.32E+00
1747	494561.06	3859001.99	3.50482	4.69E+00	4.93E+00	5.37E+00
1748	494611.06	3859001.99	3.52802	4.72E+00	4.96E+00	5.40E+00
1749	494661.06	3859001.99	3.53538	4.73E+00	4.97E+00	5.41E+00
1750	494711.06	3859001.99	3.52309	4.72E+00	4.96E+00	5.39E+00
1751	494761.06	3859001.99	3.52113	4.71E+00	4.95E+00	5.39E+00
1752	494811.06	3859001.99	3.52109	4.71E+00	4.95E+00	5.39E+00
1753	494861.06	3859001.99	3.49713	4.68E+00	4.92E+00	5.35E+00
1754	494911.06	3859001.99	3.45814	4.63E+00	4.87E+00	5.30E+00
1755	494961.06	3859001.99	3.41252	4.57E+00	4.80E+00	5.23E+00
1756	495011.06	3859001.99	3.29077	4.40E+00	4.63E+00	5.04E+00
1757	495061.06	3859001.99	3.26091	4.36E+00	4.59E+00	4.99E+00
1758	495111.06	3859001.99	3.20902	4.30E+00	4.52E+00	4.91E+00
1759	495161.06	3859001.99	3.28561	4.40E+00	4.62E+00	5.03E+00
1760	495211.06	3859001.99	3.3016	4.42E+00	4.65E+00	5.06E+00

1761	495261.06	3859001.99	3.32252	4.45E+00	4.67E+00	5.09E+00
1762	495311.06	3859001.99	3.33019	4.46E+00	4.69E+00	5.10E+00
1763	495361.06	3859001.99	3.35962	4.50E+00	4.73E+00	5.14E+00
1764	495411.06	3859001.99	3.37184	4.51E+00	4.74E+00	5.16E+00
1765	495461.06	3859001.99	3.37735	4.52E+00	4.75E+00	5.17E+00
1766	495511.06	3859001.99	3.34064	4.47E+00	4.70E+00	5.12E+00
1767	495561.06	3859001.99	3.31024	4.43E+00	4.66E+00	5.07E+00
1768	495611.06	3859001.99	3.26659	4.37E+00	4.60E+00	5.00E+00
1769	495661.06	3859001.99	3.25536	4.36E+00	4.58E+00	4.98E+00
1770	494311.06	3859051.99	3.4774	4.65E+00	4.89E+00	5.32E+00
1771	494361.06	3859051.99	3.47166	4.65E+00	4.88E+00	5.32E+00
1772	494411.06	3859051.99	3.47299	4.65E+00	4.89E+00	5.32E+00
1773	494461.06	3859051.99	3.46437	4.64E+00	4.87E+00	5.30E+00
1774	494511.06	3859051.99	3.4446	4.61E+00	4.85E+00	5.27E+00
1775	494561.06	3859051.99	3.43878	4.60E+00	4.84E+00	5.27E+00
1776	494611.06	3859051.99	3.4535	4.62E+00	4.86E+00	5.29E+00
1777	494661.06	3859051.99	3.48411	4.66E+00	4.90E+00	5.33E+00
1778	494711.06	3859051.99	3.50404	4.69E+00	4.93E+00	5.37E+00
1779	494761.06	3859051.99	3.51088	4.70E+00	4.94E+00	5.38E+00
1780	494811.06	3859051.99	3.51137	4.70E+00	4.94E+00	5.38E+00
1781	494861.06	3859051.99	3.51274	4.70E+00	4.94E+00	5.38E+00
1782	494911.06	3859051.99	3.49177	4.67E+00	4.91E+00	5.35E+00
1783	494961.06	3859051.99	3.43342	4.60E+00	4.83E+00	5.26E+00
1784	495011.06	3859051.99	3.3733	4.51E+00	4.75E+00	5.17E+00
1785	495061.06	3859051.99	3.33331	4.46E+00	4.69E+00	5.10E+00
1786	495111.06	3859051.99	3.31034	4.43E+00	4.66E+00	5.07E+00
1787	495161.06	3859051.99	3.33139	4.46E+00	4.69E+00	5.10E+00
1788	495211.06	3859051.99	3.3187	4.44E+00	4.67E+00	5.08E+00
1789	495261.06	3859051.99	3.36085	4.50E+00	4.73E+00	5.15E+00
1790	495311.06	3859051.99	3.36913	4.51E+00	4.74E+00	5.16E+00
1791	495361.06	3859051.99	3.38065	4.52E+00	4.76E+00	5.18E+00
1792	495411.06	3859051.99	3.40225	4.55E+00	4.79E+00	5.21E+00
1793	495461.06	3859051.99	3.43031	4.59E+00	4.83E+00	5.25E+00
1794	495511.06	3859051.99	3.41537	4.57E+00	4.81E+00	5.23E+00
1795	495561.06	3859051.99	3.39833	4.55E+00	4.78E+00	5.20E+00
1796	495611.06	3859051.99	3.37437	4.52E+00	4.75E+00	5.17E+00
1797	495661.06	3859051.99	3.3754	4.52E+00	4.75E+00	5.17E+00
1798	494311.06	3859101.99	3.50894	4.70E+00	4.94E+00	5.37E+00
1799	494361.06	3859101.99	3.47715	4.65E+00	4.89E+00	5.32E+00
1800	494411.06	3859101.99	3.4524	4.62E+00	4.86E+00	5.29E+00
1801	494461.06	3859101.99	3.44273	4.61E+00	4.84E+00	5.27E+00
1802	494511.06	3859101.99	3.44661	4.61E+00	4.85E+00	5.28E+00
1803	494561.06	3859101.99	3.43784	4.60E+00	4.84E+00	5.26E+00
1804	494611.06	3859101.99	3.41654	4.57E+00	4.81E+00	5.23E+00
1805	494661.06	3859101.99	3.41835	4.58E+00	4.81E+00	5.23E+00
1806	494711.06	3859101.99	3.43182	4.59E+00	4.83E+00	5.25E+00
1807	494761.06	3859101.99	3.46823	4.64E+00	4.88E+00	5.31E+00
1808	494811.06	3859101.99	3.48803	4.67E+00	4.91E+00	5.34E+00
1809	494861.06	3859101.99	3.4979	4.68E+00	4.92E+00	5.36E+00
1810	494911.06	3859101.99	3.48733	4.67E+00	4.91E+00	5.34E+00
1811	494961.06	3859101.99	3.45424	4.62E+00	4.86E+00	5.29E+00
1812	495011.06	3859101.99	3.39295	4.54E+00	4.77E+00	5.20E+00
1813	495061.06	3859101.99	3.39883	4.55E+00	4.78E+00	5.20E+00
1814	495111.06	3859101.99	3.37121	4.51E+00	4.74E+00	5.16E+00
1815	495161.06	3859101.99	3.3812	4.53E+00	4.76E+00	5.18E+00
1816	495211.06	3859101.99	3.3608	4.50E+00	4.73E+00	5.15E+00
1817	495261.06	3859101.99	3.37483	4.52E+00	4.75E+00	5.17E+00
1818	495311.06	3859101.99	3.37484	4.52E+00	4.75E+00	5.17E+00
1819	495361.06	3859101.99	3.41749	4.57E+00	4.81E+00	5.23E+00
1820	495411.06	3859101.99	3.43702	4.60E+00	4.84E+00	5.26E+00
1821	495461.06	3859101.99	3.42231	4.58E+00	4.82E+00	5.24E+00
1822	495511.06	3859101.99	3.42911	4.59E+00	4.82E+00	5.25E+00
1823	495561.06	3859101.99	3.44728	4.61E+00	4.85E+00	5.28E+00

1824	495611.06	3859101.99	3.44018	4.60E+00	4.84E+00	5.27E+00
1825	495661.06	3859101.99	3.44639	4.61E+00	4.85E+00	5.28E+00
1826	494311.06	3859151.99	3.48056	4.66E+00	4.90E+00	5.33E+00
1827	494361.06	3859151.99	3.46645	4.64E+00	4.88E+00	5.31E+00
1828	494411.06	3859151.99	3.45838	4.63E+00	4.87E+00	5.30E+00
1829	494461.06	3859151.99	3.43562	4.60E+00	4.83E+00	5.26E+00
1830	494511.06	3859151.99	3.42348	4.58E+00	4.82E+00	5.24E+00
1831	494561.06	3859151.99	3.41858	4.58E+00	4.81E+00	5.23E+00
1832	494611.06	3859151.99	3.42168	4.58E+00	4.81E+00	5.24E+00
1833	494661.06	3859151.99	3.41115	4.57E+00	4.80E+00	5.22E+00
1834	494711.06	3859151.99	3.39342	4.54E+00	4.77E+00	5.20E+00
1835	494761.06	3859151.99	3.39944	4.55E+00	4.78E+00	5.21E+00
1836	494811.06	3859151.99	3.42034	4.58E+00	4.81E+00	5.24E+00
1837	494861.06	3859151.99	3.45173	4.62E+00	4.86E+00	5.29E+00
1838	494911.06	3859151.99	3.46385	4.64E+00	4.87E+00	5.30E+00
1839	494961.06	3859151.99	3.43994	4.60E+00	4.84E+00	5.27E+00
1840	495011.06	3859151.99	3.4112	4.57E+00	4.80E+00	5.22E+00
1841	495061.06	3859151.99	3.42521	4.58E+00	4.82E+00	5.24E+00
1842	495111.06	3859151.99	3.42572	4.59E+00	4.82E+00	5.25E+00
1843	495161.06	3859151.99	3.43933	4.60E+00	4.84E+00	5.27E+00
1844	495211.06	3859151.99	3.42284	4.58E+00	4.82E+00	5.24E+00
1845	495261.06	3859151.99	3.4091	4.56E+00	4.80E+00	5.22E+00
1846	495311.06	3859151.99	3.40392	4.56E+00	4.79E+00	5.21E+00
1847	495361.06	3859151.99	3.41393	4.57E+00	4.80E+00	5.23E+00
1848	495411.06	3859151.99	3.44021	4.60E+00	4.84E+00	5.27E+00
1849	495461.06	3859151.99	3.46325	4.64E+00	4.87E+00	5.30E+00
1850	495511.06	3859151.99	3.4628	4.63E+00	4.87E+00	5.30E+00
1851	495561.06	3859151.99	3.46033	4.63E+00	4.87E+00	5.30E+00
1852	495611.06	3859151.99	3.46201	4.63E+00	4.87E+00	5.30E+00
1853	495661.06	3859151.99	3.47458	4.65E+00	4.89E+00	5.32E+00
1854	494311.06	3859201.99	3.42869	4.59E+00	4.82E+00	5.25E+00
1855	494361.06	3859201.99	3.41052	4.56E+00	4.80E+00	5.22E+00
1856	494411.06	3859201.99	3.40168	4.55E+00	4.79E+00	5.21E+00
1857	494461.06	3859201.99	3.42469	4.58E+00	4.82E+00	5.24E+00
1858	494511.06	3859201.99	3.41803	4.57E+00	4.81E+00	5.23E+00
1859	494561.06	3859201.99	3.40881	4.56E+00	4.80E+00	5.22E+00
1860	494611.06	3859201.99	3.39293	4.54E+00	4.77E+00	5.20E+00
1861	494661.06	3859201.99	3.39378	4.54E+00	4.78E+00	5.20E+00
1862	494711.06	3859201.99	3.39344	4.54E+00	4.77E+00	5.20E+00
1863	494761.06	3859201.99	3.3846	4.53E+00	4.76E+00	5.18E+00
1864	494811.06	3859201.99	3.36946	4.51E+00	4.74E+00	5.16E+00
1865	494861.06	3859201.99	3.36938	4.51E+00	4.74E+00	5.16E+00
1866	494911.06	3859201.99	3.39584	4.55E+00	4.78E+00	5.20E+00
1867	494961.06	3859201.99	3.40859	4.56E+00	4.80E+00	5.22E+00
1868	495011.06	3859201.99	3.38608	4.53E+00	4.76E+00	5.18E+00
1869	495061.06	3859201.99	3.43171	4.59E+00	4.83E+00	5.25E+00
1870	495111.06	3859201.99	3.44392	4.61E+00	4.85E+00	5.27E+00
1871	495161.06	3859201.99	3.45722	4.63E+00	4.86E+00	5.29E+00
1872	495211.06	3859201.99	3.45395	4.62E+00	4.86E+00	5.29E+00
1873	495261.06	3859201.99	3.45177	4.62E+00	4.86E+00	5.29E+00
1874	495311.06	3859201.99	3.4365	4.60E+00	4.84E+00	5.26E+00
1875	495361.06	3859201.99	3.43145	4.59E+00	4.83E+00	5.25E+00
1876	495411.06	3859201.99	3.4397	4.60E+00	4.84E+00	5.27E+00
1877	495461.06	3859201.99	3.44738	4.61E+00	4.85E+00	5.28E+00
1878	495511.06	3859201.99	3.45732	4.63E+00	4.86E+00	5.29E+00
1879	495561.06	3859201.99	3.46476	4.64E+00	4.88E+00	5.31E+00
1880	495611.06	3859201.99	3.46977	4.64E+00	4.88E+00	5.31E+00
1881	495661.06	3859201.99	3.47169	4.65E+00	4.88E+00	5.32E+00
1882	494311.06	3859251.99	3.39739	4.55E+00	4.78E+00	5.20E+00
1883	494361.06	3859251.99	3.37691	4.52E+00	4.75E+00	5.17E+00
1884	494411.06	3859251.99	3.38325	4.53E+00	4.76E+00	5.18E+00
1885	494461.06	3859251.99	3.37473	4.52E+00	4.75E+00	5.17E+00
1886	494511.06	3859251.99	3.39251	4.54E+00	4.77E+00	5.19E+00

1887	494561.06	3859251.99	3.40009	4.55E+00	4.78E+00	5.21E+00
1888	494611.06	3859251.99	3.39883	4.55E+00	4.78E+00	5.20E+00
1889	494661.06	3859251.99	3.37676	4.52E+00	4.75E+00	5.17E+00
1890	494711.06	3859251.99	3.36097	4.50E+00	4.73E+00	5.15E+00
1891	494761.06	3859251.99	3.36799	4.51E+00	4.74E+00	5.16E+00
1892	494811.06	3859251.99	3.37063	4.51E+00	4.74E+00	5.16E+00
1893	494861.06	3859251.99	3.34642	4.48E+00	4.71E+00	5.12E+00
1894	494911.06	3859251.99	3.33646	4.47E+00	4.69E+00	5.11E+00
1895	494961.06	3859251.99	3.34684	4.48E+00	4.71E+00	5.12E+00
1896	495011.06	3859251.99	3.37284	4.51E+00	4.75E+00	5.16E+00
1897	495061.06	3859251.99	3.40997	4.56E+00	4.80E+00	5.22E+00
1898	495111.06	3859251.99	3.43178	4.59E+00	4.83E+00	5.25E+00
1899	495161.06	3859251.99	3.44637	4.61E+00	4.85E+00	5.28E+00
1900	495211.06	3859251.99	3.45195	4.62E+00	4.86E+00	5.29E+00
1901	495261.06	3859251.99	3.45139	4.62E+00	4.86E+00	5.28E+00
1902	495311.06	3859251.99	3.46495	4.64E+00	4.88E+00	5.31E+00
1903	495361.06	3859251.99	3.45581	4.63E+00	4.86E+00	5.29E+00
1904	495411.06	3859251.99	3.44107	4.61E+00	4.84E+00	5.27E+00
1905	495461.06	3859251.99	3.43847	4.60E+00	4.84E+00	5.26E+00
1906	495511.06	3859251.99	3.43632	4.60E+00	4.84E+00	5.26E+00
1907	495561.06	3859251.99	3.44162	4.61E+00	4.84E+00	5.27E+00
1908	495611.06	3859251.99	3.44789	4.61E+00	4.85E+00	5.28E+00
1909	495661.06	3859251.99	3.46305	4.64E+00	4.87E+00	5.30E+00
1910	494311.06	3859301.99	3.35867	4.50E+00	4.73E+00	5.14E+00
1911	494361.06	3859301.99	3.36147	4.50E+00	4.73E+00	5.15E+00
1912	494411.06	3859301.99	3.35996	4.50E+00	4.73E+00	5.14E+00
1913	494461.06	3859301.99	3.34613	4.48E+00	4.71E+00	5.12E+00
1914	494511.06	3859301.99	3.35355	4.49E+00	4.72E+00	5.13E+00
1915	494561.06	3859301.99	3.34451	4.48E+00	4.71E+00	5.12E+00
1916	494611.06	3859301.99	3.35137	4.49E+00	4.72E+00	5.13E+00
1917	494661.06	3859301.99	3.36098	4.50E+00	4.73E+00	5.15E+00
1918	494711.06	3859301.99	3.36263	4.50E+00	4.73E+00	5.15E+00
1919	494761.06	3859301.99	3.35267	4.49E+00	4.72E+00	5.13E+00
1920	494811.06	3859301.99	3.34506	4.48E+00	4.71E+00	5.12E+00
1921	494861.06	3859301.99	3.35531	4.49E+00	4.72E+00	5.14E+00
1922	494911.06	3859301.99	3.34803	4.48E+00	4.71E+00	5.13E+00
1923	494961.06	3859301.99	3.31807	4.44E+00	4.67E+00	5.08E+00
1924	495011.06	3859301.99	3.30528	4.42E+00	4.65E+00	5.06E+00
1925	495061.06	3859301.99	3.32827	4.45E+00	4.68E+00	5.10E+00
1926	495111.06	3859301.99	3.36609	4.51E+00	4.74E+00	5.15E+00
1927	495161.06	3859301.99	3.40197	4.55E+00	4.79E+00	5.21E+00
1928	495211.06	3859301.99	3.42466	4.58E+00	4.82E+00	5.24E+00
1929	495261.06	3859301.99	3.43599	4.60E+00	4.83E+00	5.26E+00
1930	495311.06	3859301.99	3.44366	4.61E+00	4.85E+00	5.27E+00
1931	495361.06	3859301.99	3.451	4.62E+00	4.86E+00	5.28E+00
1932	495411.06	3859301.99	3.4491	4.62E+00	4.85E+00	5.28E+00
1933	495461.06	3859301.99	3.43839	4.60E+00	4.84E+00	5.26E+00
1934	495511.06	3859301.99	3.42473	4.58E+00	4.82E+00	5.24E+00
1935	495561.06	3859301.99	3.41745	4.57E+00	4.81E+00	5.23E+00
1936	495611.06	3859301.99	3.42373	4.58E+00	4.82E+00	5.24E+00
1937	495661.06	3859301.99	3.42846	4.59E+00	4.82E+00	5.25E+00
1938	494311.06	3859351.99	3.29413	4.41E+00	4.64E+00	5.04E+00
1939	494361.06	3859351.99	3.31311	4.43E+00	4.66E+00	5.07E+00
1940	494411.06	3859351.99	3.33916	4.47E+00	4.70E+00	5.11E+00
1941	494461.06	3859351.99	3.34393	4.48E+00	4.71E+00	5.12E+00
1942	494511.06	3859351.99	3.33385	4.46E+00	4.69E+00	5.10E+00
1943	494561.06	3859351.99	3.31175	4.43E+00	4.66E+00	5.07E+00
1944	494611.06	3859351.99	3.30917	4.43E+00	4.66E+00	5.07E+00
1945	494661.06	3859351.99	3.30862	4.43E+00	4.66E+00	5.07E+00
1946	494711.06	3859351.99	3.32837	4.45E+00	4.68E+00	5.10E+00
1947	494761.06	3859351.99	3.34567	4.48E+00	4.71E+00	5.12E+00
1948	494811.06	3859351.99	3.36222	4.50E+00	4.73E+00	5.15E+00
1949	494861.06	3859351.99	3.34558	4.48E+00	4.71E+00	5.12E+00

1950	494911.06	3859351.99	3.32725	4.45E+00	4.68E+00	5.09E+00
1951	494961.06	3859351.99	3.33054	4.46E+00	4.69E+00	5.10E+00
1952	495011.06	3859351.99	3.32264	4.45E+00	4.68E+00	5.09E+00
1953	495061.06	3859351.99	3.30183	4.42E+00	4.65E+00	5.06E+00
1954	495111.06	3859351.99	3.30214	4.42E+00	4.65E+00	5.06E+00
1955	495161.06	3859351.99	3.31939	4.44E+00	4.67E+00	5.08E+00
1956	495211.06	3859351.99	3.35471	4.49E+00	4.72E+00	5.14E+00
1957	495261.06	3859351.99	3.37954	4.52E+00	4.76E+00	5.17E+00
1958	495311.06	3859351.99	3.39973	4.55E+00	4.78E+00	5.21E+00
1959	495361.06	3859351.99	3.4088	4.56E+00	4.80E+00	5.22E+00
1960	495411.06	3859351.99	3.41594	4.57E+00	4.81E+00	5.23E+00
1961	495461.06	3859351.99	3.41778	4.57E+00	4.81E+00	5.23E+00
1962	495511.06	3859351.99	3.41986	4.58E+00	4.81E+00	5.24E+00
1963	495561.06	3859351.99	3.41069	4.56E+00	4.80E+00	5.22E+00
1964	495611.06	3859351.99	3.40149	4.55E+00	4.79E+00	5.21E+00
1965	495661.06	3859351.99	3.3981	4.55E+00	4.78E+00	5.20E+00
1966	494311.06	3859401.99	3.17667	4.25E+00	4.47E+00	4.86E+00
1967	494361.06	3859401.99	3.23501	4.33E+00	4.55E+00	4.95E+00
1968	494411.06	3859401.99	3.28249	4.39E+00	4.62E+00	5.03E+00
1969	494461.06	3859401.99	3.30285	4.42E+00	4.65E+00	5.06E+00
1970	494511.06	3859401.99	3.30246	4.42E+00	4.65E+00	5.06E+00
1971	494561.06	3859401.99	3.29896	4.42E+00	4.64E+00	5.05E+00
1972	494611.06	3859401.99	3.28965	4.40E+00	4.63E+00	5.04E+00
1973	494661.06	3859401.99	3.27189	4.38E+00	4.60E+00	5.01E+00
1974	494711.06	3859401.99	3.26527	4.37E+00	4.59E+00	5.00E+00
1975	494761.06	3859401.99	3.27463	4.38E+00	4.61E+00	5.01E+00
1976	494811.06	3859401.99	3.32095	4.44E+00	4.67E+00	5.09E+00
1977	494861.06	3859401.99	3.34359	4.48E+00	4.70E+00	5.12E+00
1978	494911.06	3859401.99	3.3201	4.44E+00	4.67E+00	5.08E+00
1979	494961.06	3859401.99	3.30802	4.43E+00	4.65E+00	5.07E+00
1980	495011.06	3859401.99	3.29305	4.41E+00	4.63E+00	5.04E+00
1981	495061.06	3859401.99	3.27738	4.39E+00	4.61E+00	5.02E+00
1982	495111.06	3859401.99	3.27557	4.38E+00	4.61E+00	5.02E+00
1983	495161.06	3859401.99	3.26552	4.37E+00	4.59E+00	5.00E+00
1984	495211.06	3859401.99	3.26695	4.37E+00	4.60E+00	5.00E+00
1985	495261.06	3859401.99	3.28551	4.40E+00	4.62E+00	5.03E+00
1986	495311.06	3859401.99	3.31898	4.44E+00	4.67E+00	5.08E+00
1987	495361.06	3859401.99	3.3366	4.47E+00	4.69E+00	5.11E+00
1988	495411.06	3859401.99	3.3505	4.48E+00	4.71E+00	5.13E+00
1989	495461.06	3859401.99	3.36172	4.50E+00	4.73E+00	5.15E+00
1990	495511.06	3859401.99	3.37951	4.52E+00	4.76E+00	5.17E+00
1991	495561.06	3859401.99	3.39272	4.54E+00	4.77E+00	5.19E+00
1992	495611.06	3859401.99	3.39093	4.54E+00	4.77E+00	5.19E+00
1993	495661.06	3859401.99	3.37985	4.52E+00	4.76E+00	5.18E+00
1994	494311.06	3859451.99	3.07347	4.11E+00	4.32E+00	4.71E+00
1995	494361.06	3859451.99	3.13256	4.19E+00	4.41E+00	4.80E+00
1996	494411.06	3859451.99	3.21475	4.30E+00	4.52E+00	4.92E+00
1997	494461.06	3859451.99	3.22888	4.32E+00	4.54E+00	4.94E+00
1998	494511.06	3859451.99	3.25675	4.36E+00	4.58E+00	4.99E+00
1999	494561.06	3859451.99	3.2659	4.37E+00	4.60E+00	5.00E+00
2000	494611.06	3859451.99	3.25572	4.36E+00	4.58E+00	4.99E+00
2001	494661.06	3859451.99	3.26242	4.37E+00	4.59E+00	5.00E+00
2002	494711.06	3859451.99	3.25381	4.35E+00	4.58E+00	4.98E+00
2003	494761.06	3859451.99	3.24451	4.34E+00	4.57E+00	4.97E+00
2004	494811.06	3859451.99	3.2539	4.36E+00	4.58E+00	4.98E+00
2005	494861.06	3859451.99	3.26737	4.37E+00	4.60E+00	5.00E+00
2006	494911.06	3859451.99	3.27652	4.39E+00	4.61E+00	5.02E+00
2007	494961.06	3859451.99	3.25825	4.36E+00	4.58E+00	4.99E+00
2008	495011.06	3859451.99	3.24977	4.35E+00	4.57E+00	4.98E+00
2009	495061.06	3859451.99	3.24135	4.34E+00	4.56E+00	4.96E+00
2010	495111.06	3859451.99	3.24028	4.34E+00	4.56E+00	4.96E+00
2011	495161.06	3859451.99	3.23506	4.33E+00	4.55E+00	4.95E+00
2012	495211.06	3859451.99	3.21892	4.31E+00	4.53E+00	4.93E+00

2013	495261.06	3859451.99	3.19872	4.28E+00	4.50E+00	4.90E+00
2014	495311.06	3859451.99	3.21041	4.30E+00	4.52E+00	4.92E+00
2015	495361.06	3859451.99	3.23055	4.32E+00	4.55E+00	4.95E+00
2016	495411.06	3859451.99	3.26369	4.37E+00	4.59E+00	5.00E+00
2017	495461.06	3859451.99	3.28611	4.40E+00	4.62E+00	5.03E+00
2018	495511.06	3859451.99	3.31701	4.44E+00	4.67E+00	5.08E+00
2019	495561.06	3859451.99	3.32884	4.46E+00	4.68E+00	5.10E+00
2020	495611.06	3859451.99	3.34294	4.47E+00	4.70E+00	5.12E+00
2021	495661.06	3859451.99	3.34961	4.48E+00	4.71E+00	5.13E+00
2022	494311.06	3859501.99	2.96491	3.97E+00	4.17E+00	4.54E+00
2023	494361.06	3859501.99	3.01502	4.04E+00	4.24E+00	4.62E+00
2024	494411.06	3859501.99	3.11592	4.17E+00	4.38E+00	4.77E+00
2025	494461.06	3859501.99	3.11631	4.17E+00	4.38E+00	4.77E+00
2026	494511.06	3859501.99	3.16908	4.24E+00	4.46E+00	4.85E+00
2027	494561.06	3859501.99	3.20261	4.29E+00	4.51E+00	4.90E+00
2028	494611.06	3859501.99	3.17888	4.25E+00	4.47E+00	4.87E+00
2029	494661.06	3859501.99	3.2143	4.30E+00	4.52E+00	4.92E+00
2030	494711.06	3859501.99	3.24269	4.34E+00	4.56E+00	4.97E+00
2031	494761.06	3859501.99	3.21593	4.30E+00	4.53E+00	4.92E+00
2032	494811.06	3859501.99	3.23325	4.33E+00	4.55E+00	4.95E+00
2033	494861.06	3859501.99	3.22433	4.32E+00	4.54E+00	4.94E+00
2034	494911.06	3859501.99	3.20393	4.29E+00	4.51E+00	4.91E+00
2035	494961.06	3859501.99	3.21051	4.30E+00	4.52E+00	4.92E+00
2036	495011.06	3859501.99	3.19586	4.28E+00	4.50E+00	4.89E+00
2037	495061.06	3859501.99	3.17381	4.25E+00	4.47E+00	4.86E+00
2038	495111.06	3859501.99	3.17645	4.25E+00	4.47E+00	4.86E+00
2039	495161.06	3859501.99	3.15358	4.22E+00	4.44E+00	4.83E+00
2040	495211.06	3859501.99	3.13053	4.19E+00	4.40E+00	4.79E+00
2041	495261.06	3859501.99	3.12665	4.18E+00	4.40E+00	4.79E+00
2042	495311.06	3859501.99	3.11092	4.16E+00	4.38E+00	4.76E+00
2043	495361.06	3859501.99	3.10068	4.15E+00	4.36E+00	4.75E+00
2044	495411.06	3859501.99	3.11515	4.17E+00	4.38E+00	4.77E+00
2045	495461.06	3859501.99	3.14835	4.21E+00	4.43E+00	4.82E+00
2046	495511.06	3859501.99	3.21085	4.30E+00	4.52E+00	4.92E+00
2047	495561.06	3859501.99	3.24177	4.34E+00	4.56E+00	4.96E+00
2048	495611.06	3859501.99	3.26575	4.37E+00	4.60E+00	5.00E+00
2049	495661.06	3859501.99	3.28193	4.39E+00	4.62E+00	5.03E+00
2050	494311.06	3859551.99	2.84362	3.81E+00	4.00E+00	4.35E+00
2051	494361.06	3859551.99	2.91966	3.91E+00	4.11E+00	4.47E+00
2052	494411.06	3859551.99	3.03189	4.06E+00	4.27E+00	4.64E+00
2053	494461.06	3859551.99	3.00166	4.02E+00	4.22E+00	4.60E+00
2054	494511.06	3859551.99	3.05672	4.09E+00	4.30E+00	4.68E+00
2055	494561.06	3859551.99	3.09492	4.14E+00	4.35E+00	4.74E+00
2056	494611.06	3859551.99	3.10813	4.16E+00	4.37E+00	4.76E+00
2057	494661.06	3859551.99	3.1298	4.19E+00	4.40E+00	4.79E+00
2058	494711.06	3859551.99	3.21578	4.30E+00	4.52E+00	4.92E+00
2059	494761.06	3859551.99	3.17378	4.25E+00	4.47E+00	4.86E+00
2060	494811.06	3859551.99	3.20658	4.29E+00	4.51E+00	4.91E+00
2061	494861.06	3859551.99	3.19653	4.28E+00	4.50E+00	4.89E+00
2062	494911.06	3859551.99	3.18092	4.26E+00	4.48E+00	4.87E+00
2063	494961.06	3859551.99	3.16614	4.24E+00	4.45E+00	4.85E+00
2064	495011.06	3859551.99	3.13971	4.20E+00	4.42E+00	4.81E+00
2065	495061.06	3859551.99	3.13188	4.19E+00	4.41E+00	4.80E+00
2066	495111.06	3859551.99	3.12813	4.19E+00	4.40E+00	4.79E+00
2067	495161.06	3859551.99	3.10014	4.15E+00	4.36E+00	4.75E+00
2068	495211.06	3859551.99	3.07718	4.12E+00	4.33E+00	4.71E+00
2069	495261.06	3859551.99	3.06088	4.10E+00	4.31E+00	4.69E+00
2070	495311.06	3859551.99	3.04546	4.08E+00	4.29E+00	4.66E+00
2071	495361.06	3859551.99	3.04021	4.07E+00	4.28E+00	4.66E+00
2072	495411.06	3859551.99	3.02439	4.05E+00	4.26E+00	4.63E+00
2073	495461.06	3859551.99	3.03764	4.07E+00	4.27E+00	4.65E+00
2074	495511.06	3859551.99	3.07484	4.12E+00	4.33E+00	4.71E+00
2075	495561.06	3859551.99	3.10055	4.15E+00	4.36E+00	4.75E+00

2076	495611.06	3859551.99	3.13934	4.20E+00	4.42E+00	4.81E+00
2077	495661.06	3859551.99	3.18408	4.26E+00	4.48E+00	4.88E+00
2078	494311.06	3859601.99	2.69962	3.61E+00	3.80E+00	4.13E+00
2079	494361.06	3859601.99	2.84641	3.81E+00	4.01E+00	4.36E+00
2080	494411.06	3859601.99	2.93378	3.93E+00	4.13E+00	4.49E+00
2081	494461.06	3859601.99	2.90262	3.88E+00	4.08E+00	4.44E+00
2082	494511.06	3859601.99	2.97339	3.98E+00	4.18E+00	4.55E+00
2083	494561.06	3859601.99	2.96489	3.97E+00	4.17E+00	4.54E+00
2084	494611.06	3859601.99	2.9826	3.99E+00	4.20E+00	4.57E+00
2085	494661.06	3859601.99	3.05491	4.09E+00	4.30E+00	4.68E+00
2086	494711.06	3859601.99	3.13061	4.19E+00	4.40E+00	4.79E+00
2087	494761.06	3859601.99	3.06926	4.11E+00	4.32E+00	4.70E+00
2088	494811.06	3859601.99	3.13526	4.20E+00	4.41E+00	4.80E+00
2089	494861.06	3859601.99	3.13419	4.19E+00	4.41E+00	4.80E+00
2090	494911.06	3859601.99	3.15399	4.22E+00	4.44E+00	4.83E+00
2091	494961.06	3859601.99	3.10383	4.15E+00	4.37E+00	4.75E+00
2092	495011.06	3859601.99	3.11453	4.17E+00	4.38E+00	4.77E+00
2093	495061.06	3859601.99	3.08511	4.13E+00	4.34E+00	4.72E+00
2094	495111.06	3859601.99	3.08276	4.13E+00	4.34E+00	4.72E+00
2095	495161.06	3859601.99	3.06493	4.10E+00	4.31E+00	4.69E+00
2096	495211.06	3859601.99	3.0519	4.08E+00	4.29E+00	4.67E+00
2097	495261.06	3859601.99	3.02993	4.06E+00	4.26E+00	4.64E+00
2098	495311.06	3859601.99	3.00937	4.03E+00	4.23E+00	4.61E+00
2099	495361.06	3859601.99	2.98955	4.00E+00	4.21E+00	4.58E+00
2100	495411.06	3859601.99	2.97457	3.98E+00	4.19E+00	4.55E+00
2101	495461.06	3859601.99	2.9903	4.00E+00	4.21E+00	4.58E+00
2102	495511.06	3859601.99	2.994	4.01E+00	4.21E+00	4.58E+00
2103	495561.06	3859601.99	2.97644	3.98E+00	4.19E+00	4.56E+00
2104	495611.06	3859601.99	3.02114	4.04E+00	4.25E+00	4.63E+00
2105	495661.06	3859601.99	3.04382	4.07E+00	4.28E+00	4.66E+00
2106	494311.06	3859651.99	2.60802	3.49E+00	3.67E+00	3.99E+00
2107	494361.06	3859651.99	2.73911	3.67E+00	3.85E+00	4.19E+00
2108	494411.06	3859651.99	2.78296	3.72E+00	3.92E+00	4.26E+00
2109	494461.06	3859651.99	2.76522	3.70E+00	3.89E+00	4.23E+00
2110	494511.06	3859651.99	2.80695	3.76E+00	3.95E+00	4.30E+00
2111	494561.06	3859651.99	2.81809	3.77E+00	3.97E+00	4.32E+00
2112	494611.06	3859651.99	2.8395	3.80E+00	4.00E+00	4.35E+00
2113	494661.06	3859651.99	2.94681	3.94E+00	4.15E+00	4.51E+00
2114	494711.06	3859651.99	2.96864	3.97E+00	4.18E+00	4.55E+00
2115	494761.06	3859651.99	2.98671	4.00E+00	4.20E+00	4.57E+00
2116	494811.06	3859651.99	3.03031	4.06E+00	4.26E+00	4.64E+00
2117	494861.06	3859651.99	3.03756	4.07E+00	4.27E+00	4.65E+00
2118	494911.06	3859651.99	3.04846	4.08E+00	4.29E+00	4.67E+00
2119	494961.06	3859651.99	3.04536	4.08E+00	4.29E+00	4.66E+00
2120	495011.06	3859651.99	3.04198	4.07E+00	4.28E+00	4.66E+00
2121	495061.06	3859651.99	3.01641	4.04E+00	4.24E+00	4.62E+00
2122	495111.06	3859651.99	3.01656	4.04E+00	4.24E+00	4.62E+00
2123	495161.06	3859651.99	3.00349	4.02E+00	4.23E+00	4.60E+00
2124	495211.06	3859651.99	2.98218	3.99E+00	4.20E+00	4.57E+00
2125	495261.06	3859651.99	2.97902	3.99E+00	4.19E+00	4.56E+00
2126	495311.06	3859651.99	2.96092	3.96E+00	4.17E+00	4.53E+00
2127	495361.06	3859651.99	2.94583	3.94E+00	4.14E+00	4.51E+00
2128	495411.06	3859651.99	2.93342	3.93E+00	4.13E+00	4.49E+00
2129	495461.06	3859651.99	2.93855	3.93E+00	4.13E+00	4.50E+00
2130	495511.06	3859651.99	2.94828	3.95E+00	4.15E+00	4.51E+00
2131	495561.06	3859651.99	2.93969	3.93E+00	4.14E+00	4.50E+00
2132	495611.06	3859651.99	2.93353	3.93E+00	4.13E+00	4.49E+00
2133	495661.06	3859651.99	2.93816	3.93E+00	4.13E+00	4.50E+00
2134	494311.06	3859701.99	2.5652	3.43E+00	3.61E+00	3.93E+00
2135	494361.06	3859701.99	2.63385	3.53E+00	3.71E+00	4.03E+00
2136	494411.06	3859701.99	2.65944	3.56E+00	3.74E+00	4.07E+00
2137	494461.06	3859701.99	2.63149	3.52E+00	3.70E+00	4.03E+00
2138	494511.06	3859701.99	2.66297	3.56E+00	3.75E+00	4.08E+00

2139	494561.06	3859701.99	2.67749	3.58E+00	3.77E+00	4.10E+00
2140	494611.06	3859701.99	2.69297	3.60E+00	3.79E+00	4.12E+00
2141	494661.06	3859701.99	2.83285	3.79E+00	3.99E+00	4.34E+00
2142	494711.06	3859701.99	2.82091	3.78E+00	3.97E+00	4.32E+00
2143	494761.06	3859701.99	2.88199	3.86E+00	4.06E+00	4.41E+00
2144	494811.06	3859701.99	2.93443	3.93E+00	4.13E+00	4.49E+00
2145	494861.06	3859701.99	2.9169	3.90E+00	4.10E+00	4.47E+00
2146	494911.06	3859701.99	2.94619	3.94E+00	4.15E+00	4.51E+00
2147	494961.06	3859701.99	2.9612	3.96E+00	4.17E+00	4.53E+00
2148	495011.06	3859701.99	2.95101	3.95E+00	4.15E+00	4.52E+00
2149	495061.06	3859701.99	2.9498	3.95E+00	4.15E+00	4.52E+00
2150	495111.06	3859701.99	2.94303	3.94E+00	4.14E+00	4.51E+00
2151	495161.06	3859701.99	2.9353	3.93E+00	4.13E+00	4.49E+00
2152	495211.06	3859701.99	2.9302	3.92E+00	4.12E+00	4.49E+00
2153	495261.06	3859701.99	2.89518	3.87E+00	4.07E+00	4.43E+00
2154	495311.06	3859701.99	2.89278	3.87E+00	4.07E+00	4.43E+00
2155	495361.06	3859701.99	2.89312	3.87E+00	4.07E+00	4.43E+00
2156	495411.06	3859701.99	2.90345	3.89E+00	4.09E+00	4.45E+00
2157	495461.06	3859701.99	2.90373	3.89E+00	4.09E+00	4.45E+00
2158	495511.06	3859701.99	2.92371	3.91E+00	4.11E+00	4.48E+00
2159	495561.06	3859701.99	2.88268	3.86E+00	4.06E+00	4.41E+00
2160	495611.06	3859701.99	2.8808	3.86E+00	4.05E+00	4.41E+00
2161	495661.06	3859701.99	2.88425	3.86E+00	4.06E+00	4.42E+00
2162	494311.06	3859751.99	2.47909	3.32E+00	3.49E+00	3.80E+00
2163	494361.06	3859751.99	2.49769	3.34E+00	3.51E+00	3.82E+00
2164	494411.06	3859751.99	2.52449	3.38E+00	3.55E+00	3.87E+00
2165	494461.06	3859751.99	2.52616	3.38E+00	3.55E+00	3.87E+00
2166	494511.06	3859751.99	2.53699	3.40E+00	3.57E+00	3.88E+00
2167	494561.06	3859751.99	2.56449	3.43E+00	3.61E+00	3.93E+00
2168	494611.06	3859751.99	2.60253	3.48E+00	3.66E+00	3.98E+00
2169	494661.06	3859751.99	2.67304	3.58E+00	3.76E+00	4.09E+00
2170	494711.06	3859751.99	2.66868	3.57E+00	3.75E+00	4.09E+00
2171	494761.06	3859751.99	2.68454	3.59E+00	3.78E+00	4.11E+00
2172	494811.06	3859751.99	2.73685	3.66E+00	3.85E+00	4.19E+00
2173	494861.06	3859751.99	2.76571	3.70E+00	3.89E+00	4.23E+00
2174	494911.06	3859751.99	2.78706	3.73E+00	3.92E+00	4.27E+00
2175	494961.06	3859751.99	2.80498	3.75E+00	3.95E+00	4.29E+00
2176	495011.06	3859751.99	2.82437	3.78E+00	3.97E+00	4.32E+00
2177	495061.06	3859751.99	2.82105	3.78E+00	3.97E+00	4.32E+00
2178	495111.06	3859751.99	2.83143	3.79E+00	3.98E+00	4.34E+00
2179	495161.06	3859751.99	2.84213	3.80E+00	4.00E+00	4.35E+00
2180	495211.06	3859751.99	2.85054	3.82E+00	4.01E+00	4.36E+00
2181	495261.06	3859751.99	2.82676	3.78E+00	3.98E+00	4.33E+00
2182	495311.06	3859751.99	2.82144	3.78E+00	3.97E+00	4.32E+00
2183	495361.06	3859751.99	2.81235	3.76E+00	3.96E+00	4.31E+00
2184	495411.06	3859751.99	2.81455	3.77E+00	3.96E+00	4.31E+00
2185	495461.06	3859751.99	2.82899	3.79E+00	3.98E+00	4.33E+00
2186	495511.06	3859751.99	2.84428	3.81E+00	4.00E+00	4.36E+00
2187	495561.06	3859751.99	2.84157	3.80E+00	4.00E+00	4.35E+00
2188	495611.06	3859751.99	2.83169	3.79E+00	3.98E+00	4.34E+00
2189	495661.06	3859751.99	2.81409	3.77E+00	3.96E+00	4.31E+00
2190	494311.06	3859801.99	2.5129	3.36E+00	3.54E+00	3.85E+00
2191	494361.06	3859801.99	2.49132	3.33E+00	3.51E+00	3.81E+00
2192	494411.06	3859801.99	2.47762	3.32E+00	3.49E+00	3.79E+00
2193	494461.06	3859801.99	2.50053	3.35E+00	3.52E+00	3.83E+00
2194	494511.06	3859801.99	2.51165	3.36E+00	3.53E+00	3.85E+00
2195	494561.06	3859801.99	2.50908	3.36E+00	3.53E+00	3.84E+00
2196	494611.06	3859801.99	2.52315	3.38E+00	3.55E+00	3.86E+00
2197	494661.06	3859801.99	2.5506	3.41E+00	3.59E+00	3.91E+00
2198	494711.06	3859801.99	2.58893	3.47E+00	3.64E+00	3.96E+00
2199	494761.06	3859801.99	2.5668	3.44E+00	3.61E+00	3.93E+00
2200	494811.06	3859801.99	2.59482	3.47E+00	3.65E+00	3.97E+00
2201	494861.06	3859801.99	2.61598	3.50E+00	3.68E+00	4.01E+00

2202	494911.06	3859801.99	2.65723	3.56E+00	3.74E+00	4.07E+00
2203	494961.06	3859801.99	2.67692	3.58E+00	3.77E+00	4.10E+00
2204	495011.06	3859801.99	2.69569	3.61E+00	3.79E+00	4.13E+00
2205	495061.06	3859801.99	2.70397	3.62E+00	3.80E+00	4.14E+00
2206	495111.06	3859801.99	2.73196	3.66E+00	3.84E+00	4.18E+00
2207	495161.06	3859801.99	2.7517	3.68E+00	3.87E+00	4.21E+00
2208	495211.06	3859801.99	2.74343	3.67E+00	3.86E+00	4.20E+00
2209	495261.06	3859801.99	2.75565	3.69E+00	3.88E+00	4.22E+00
2210	495311.06	3859801.99	2.7366	3.66E+00	3.85E+00	4.19E+00
2211	495361.06	3859801.99	2.73449	3.66E+00	3.85E+00	4.19E+00
2212	495411.06	3859801.99	2.75147	3.68E+00	3.87E+00	4.21E+00
2213	495461.06	3859801.99	2.75371	3.69E+00	3.87E+00	4.22E+00
2214	495511.06	3859801.99	2.77319	3.71E+00	3.90E+00	4.25E+00
2215	495561.06	3859801.99	2.76345	3.70E+00	3.89E+00	4.23E+00
2216	495611.06	3859801.99	2.74376	3.67E+00	3.86E+00	4.20E+00
2217	495661.06	3859801.99	2.75321	3.68E+00	3.87E+00	4.22E+00
2218	494311.06	3859851.99	2.64686	3.54E+00	3.72E+00	4.05E+00
2219	494361.06	3859851.99	2.58809	3.46E+00	3.64E+00	3.96E+00
2220	494411.06	3859851.99	2.53925	3.40E+00	3.57E+00	3.89E+00
2221	494461.06	3859851.99	2.52916	3.39E+00	3.56E+00	3.87E+00
2222	494511.06	3859851.99	2.56078	3.43E+00	3.60E+00	3.92E+00
2223	494561.06	3859851.99	2.60036	3.48E+00	3.66E+00	3.98E+00
2224	494611.06	3859851.99	2.52925	3.39E+00	3.56E+00	3.87E+00
2225	494661.06	3859851.99	2.5451	3.41E+00	3.58E+00	3.90E+00
2226	494711.06	3859851.99	2.51294	3.36E+00	3.54E+00	3.85E+00
2227	494761.06	3859851.99	2.52892	3.38E+00	3.56E+00	3.87E+00
2228	494811.06	3859851.99	2.51196	3.36E+00	3.53E+00	3.85E+00
2229	494861.06	3859851.99	2.51088	3.36E+00	3.53E+00	3.84E+00
2230	494911.06	3859851.99	2.54004	3.40E+00	3.57E+00	3.89E+00
2231	494961.06	3859851.99	2.56225	3.43E+00	3.61E+00	3.92E+00
2232	495011.06	3859851.99	2.5825	3.46E+00	3.63E+00	3.95E+00
2233	495061.06	3859851.99	2.59178	3.47E+00	3.65E+00	3.97E+00
2234	495111.06	3859851.99	2.61775	3.50E+00	3.68E+00	4.01E+00
2235	495161.06	3859851.99	2.62941	3.52E+00	3.70E+00	4.03E+00
2236	495211.06	3859851.99	2.64221	3.54E+00	3.72E+00	4.05E+00
2237	495261.06	3859851.99	2.64462	3.54E+00	3.72E+00	4.05E+00
2238	495311.06	3859851.99	2.6379	3.53E+00	3.71E+00	4.04E+00
2239	495361.06	3859851.99	2.63346	3.52E+00	3.71E+00	4.03E+00
2240	495411.06	3859851.99	2.64579	3.54E+00	3.72E+00	4.05E+00
2241	495461.06	3859851.99	2.65078	3.55E+00	3.73E+00	4.06E+00
2242	495511.06	3859851.99	2.67392	3.58E+00	3.76E+00	4.09E+00
2243	495561.06	3859851.99	2.66238	3.56E+00	3.75E+00	4.08E+00
2244	495611.06	3859851.99	2.65491	3.55E+00	3.74E+00	4.07E+00
2245	495661.06	3859851.99	2.67944	3.59E+00	3.77E+00	4.10E+00
2246	494311.06	3859901.99	2.83869	3.80E+00	3.99E+00	4.35E+00
2247	494361.06	3859901.99	2.70358	3.62E+00	3.80E+00	4.14E+00
2248	494411.06	3859901.99	2.71451	3.63E+00	3.82E+00	4.16E+00
2249	494461.06	3859901.99	2.67626	3.58E+00	3.77E+00	4.10E+00
2250	494511.06	3859901.99	2.68519	3.59E+00	3.78E+00	4.11E+00
2251	494561.06	3859901.99	2.77345	3.71E+00	3.90E+00	4.25E+00
2252	494611.06	3859901.99	2.63403	3.53E+00	3.71E+00	4.03E+00
2253	494661.06	3859901.99	2.68595	3.59E+00	3.78E+00	4.11E+00
2254	494711.06	3859901.99	2.59697	3.48E+00	3.65E+00	3.98E+00
2255	494761.06	3859901.99	2.61561	3.50E+00	3.68E+00	4.00E+00
2256	494811.06	3859901.99	2.63309	3.52E+00	3.70E+00	4.03E+00
2257	494861.06	3859901.99	2.62755	3.52E+00	3.70E+00	4.02E+00
2258	494911.06	3859901.99	2.5945	3.47E+00	3.65E+00	3.97E+00
2259	494961.06	3859901.99	2.58115	3.45E+00	3.63E+00	3.95E+00
2260	495011.06	3859901.99	2.55473	3.42E+00	3.59E+00	3.91E+00
2261	495061.06	3859901.99	2.53228	3.39E+00	3.56E+00	3.88E+00
2262	495111.06	3859901.99	2.53652	3.39E+00	3.57E+00	3.88E+00
2263	495161.06	3859901.99	2.55517	3.42E+00	3.60E+00	3.91E+00
2264	495211.06	3859901.99	2.55492	3.42E+00	3.59E+00	3.91E+00

2265	495261.06	3859901.99	2.5803	3.45E+00	3.63E+00	3.95E+00
2266	495311.06	3859901.99	2.57139	3.44E+00	3.62E+00	3.94E+00
2267	495361.06	3859901.99	2.57262	3.44E+00	3.62E+00	3.94E+00
2268	495411.06	3859901.99	2.58724	3.46E+00	3.64E+00	3.96E+00
2269	495461.06	3859901.99	2.58277	3.46E+00	3.63E+00	3.95E+00
2270	495511.06	3859901.99	2.56266	3.43E+00	3.61E+00	3.92E+00
2271	495561.06	3859901.99	2.54791	3.41E+00	3.59E+00	3.90E+00
2272	495611.06	3859901.99	2.56394	3.43E+00	3.61E+00	3.93E+00
2273	495661.06	3859901.99	2.58938	3.47E+00	3.64E+00	3.96E+00
2274	494311.06	3859951.99	3.11415	4.17E+00	4.38E+00	4.77E+00
2275	494361.06	3859951.99	3.02059	4.04E+00	4.25E+00	4.63E+00
2276	494411.06	3859951.99	2.94637	3.94E+00	4.15E+00	4.51E+00
2277	494461.06	3859951.99	2.90049	3.88E+00	4.08E+00	4.44E+00
2278	494511.06	3859951.99	2.90642	3.89E+00	4.09E+00	4.45E+00
2279	494561.06	3859951.99	3.04783	4.08E+00	4.29E+00	4.67E+00
2280	494611.06	3859951.99	2.8769	3.85E+00	4.05E+00	4.41E+00
2281	494661.06	3859951.99	2.93066	3.92E+00	4.12E+00	4.49E+00
2282	494711.06	3859951.99	2.8118	3.76E+00	3.96E+00	4.31E+00
2283	494761.06	3859951.99	2.81315	3.77E+00	3.96E+00	4.31E+00
2284	494811.06	3859951.99	2.79841	3.75E+00	3.94E+00	4.28E+00
2285	494861.06	3859951.99	2.81452	3.77E+00	3.96E+00	4.31E+00
2286	494911.06	3859951.99	2.75272	3.68E+00	3.87E+00	4.21E+00
2287	494961.06	3859951.99	2.70024	3.61E+00	3.80E+00	4.13E+00
2288	495011.06	3859951.99	2.66672	3.57E+00	3.75E+00	4.08E+00
2289	495061.06	3859951.99	2.64703	3.54E+00	3.72E+00	4.05E+00
2290	495111.06	3859951.99	2.6071	3.49E+00	3.67E+00	3.99E+00
2291	495161.06	3859951.99	2.57164	3.44E+00	3.62E+00	3.94E+00
2292	495211.06	3859951.99	2.53905	3.40E+00	3.57E+00	3.89E+00
2293	495261.06	3859951.99	2.53424	3.39E+00	3.57E+00	3.88E+00
2294	495311.06	3859951.99	2.53234	3.39E+00	3.56E+00	3.88E+00
2295	495361.06	3859951.99	2.53156	3.39E+00	3.56E+00	3.88E+00
2296	495411.06	3859951.99	2.53553	3.39E+00	3.57E+00	3.88E+00
2297	495461.06	3859951.99	2.53073	3.39E+00	3.56E+00	3.88E+00
2298	495511.06	3859951.99	2.52542	3.38E+00	3.55E+00	3.87E+00
2299	495561.06	3859951.99	2.50629	3.35E+00	3.53E+00	3.84E+00
2300	495611.06	3859951.99	2.49437	3.34E+00	3.51E+00	3.82E+00
2301	495661.06	3859951.99	2.50131	3.35E+00	3.52E+00	3.83E+00
2302	494311.06	3860001.99	3.38092	4.53E+00	4.76E+00	5.18E+00
2303	494361.06	3860001.99	3.3231	4.45E+00	4.68E+00	5.09E+00
2304	494411.06	3860001.99	3.19089	4.27E+00	4.49E+00	4.89E+00
2305	494461.06	3860001.99	3.17794	4.25E+00	4.47E+00	4.87E+00
2306	494511.06	3860001.99	3.09755	4.15E+00	4.36E+00	4.74E+00
2307	494561.06	3860001.99	3.29253	4.41E+00	4.63E+00	5.04E+00
2308	494611.06	3860001.99	3.19795	4.28E+00	4.50E+00	4.90E+00
2309	494661.06	3860001.99	3.18029	4.26E+00	4.47E+00	4.87E+00
2310	494711.06	3860001.99	2.94885	3.95E+00	4.15E+00	4.52E+00
2311	494761.06	3860001.99	3.02888	4.05E+00	4.26E+00	4.64E+00
2312	494811.06	3860001.99	3.02922	4.05E+00	4.26E+00	4.64E+00
2313	494861.06	3860001.99	3.04034	4.07E+00	4.28E+00	4.66E+00
2314	494911.06	3860001.99	2.87426	3.85E+00	4.04E+00	4.40E+00
2315	494961.06	3860001.99	2.88068	3.86E+00	4.05E+00	4.41E+00
2316	495011.06	3860001.99	2.82567	3.78E+00	3.98E+00	4.33E+00
2317	495061.06	3860001.99	2.83069	3.79E+00	3.98E+00	4.33E+00
2318	495111.06	3860001.99	2.77022	3.71E+00	3.90E+00	4.24E+00
2319	495161.06	3860001.99	2.70975	3.63E+00	3.81E+00	4.15E+00
2320	495211.06	3860001.99	2.70664	3.62E+00	3.81E+00	4.14E+00
2321	495261.06	3860001.99	2.65375	3.55E+00	3.73E+00	4.06E+00
2322	495311.06	3860001.99	2.62366	3.51E+00	3.69E+00	4.02E+00
2323	495361.06	3860001.99	2.5616	3.43E+00	3.60E+00	3.92E+00
2324	495411.06	3860001.99	2.55338	3.42E+00	3.59E+00	3.91E+00
2325	495461.06	3860001.99	2.5209	3.37E+00	3.55E+00	3.86E+00
2326	495511.06	3860001.99	2.49642	3.34E+00	3.51E+00	3.82E+00
2327	495561.06	3860001.99	2.48316	3.32E+00	3.49E+00	3.80E+00

2328	495611.06	3860001.99	2.48845	3.33E+00	3.50E+00	3.81E+00
2329	495661.06	3860001.99	2.48366	3.32E+00	3.49E+00	3.80E+00
2330	494411.06	3860051.99	3.49258	4.67E+00	4.91E+00	5.35E+00
2331	494461.06	3860051.99	3.43125	4.59E+00	4.83E+00	5.25E+00
2332	494511.06	3860051.99	3.38402	4.53E+00	4.76E+00	5.18E+00
2333	494561.06	3860051.99	3.47031	4.64E+00	4.88E+00	5.31E+00
2334	494611.06	3860051.99	3.46998	4.64E+00	4.88E+00	5.31E+00
2335	494661.06	3860051.99	3.44573	4.61E+00	4.85E+00	5.28E+00
2336	494711.06	3860051.99	3.30276	4.42E+00	4.65E+00	5.06E+00
2337	494761.06	3860051.99	3.28979	4.40E+00	4.63E+00	5.04E+00
2338	494811.06	3860051.99	3.32107	4.45E+00	4.67E+00	5.09E+00
2339	494861.06	3860051.99	3.33463	4.46E+00	4.69E+00	5.11E+00
2340	494911.06	3860051.99	3.23708	4.33E+00	4.55E+00	4.96E+00
2341	494961.06	3860051.99	3.12928	4.19E+00	4.40E+00	4.79E+00
2342	495011.06	3860051.99	3.05262	4.09E+00	4.30E+00	4.67E+00
2343	495061.06	3860051.99	3.01175	4.03E+00	4.24E+00	4.61E+00
2344	495111.06	3860051.99	2.93477	3.93E+00	4.13E+00	4.49E+00
2345	495161.06	3860051.99	2.89589	3.88E+00	4.07E+00	4.43E+00
2346	495211.06	3860051.99	2.84125	3.80E+00	4.00E+00	4.35E+00
2347	495261.06	3860051.99	2.81925	3.77E+00	3.97E+00	4.32E+00
2348	495311.06	3860051.99	2.80714	3.76E+00	3.95E+00	4.30E+00
2349	495361.06	3860051.99	2.77749	3.72E+00	3.91E+00	4.25E+00
2350	495411.06	3860051.99	2.73918	3.67E+00	3.85E+00	4.19E+00
2351	495461.06	3860051.99	2.68881	3.60E+00	3.78E+00	4.12E+00
2352	495511.06	3860051.99	2.66469	3.57E+00	3.75E+00	4.08E+00
2353	495561.06	3860051.99	2.62483	3.51E+00	3.69E+00	4.02E+00
2354	495611.06	3860051.99	2.57118	3.44E+00	3.62E+00	3.94E+00
2355	495661.06	3860051.99	2.49862	3.34E+00	3.52E+00	3.83E+00
2356	494411.06	3860101.99	3.5928	4.81E+00	5.06E+00	5.50E+00
2357	494461.06	3860101.99	3.66964	4.91E+00	5.16E+00	5.62E+00
2358	494511.06	3860101.99	3.548	4.75E+00	4.99E+00	5.43E+00
2359	494561.06	3860101.99	3.56822	4.78E+00	5.02E+00	5.46E+00
2360	494611.06	3860101.99	3.64684	4.88E+00	5.13E+00	5.58E+00
2361	494661.06	3860101.99	3.6415	4.87E+00	5.12E+00	5.58E+00
2362	494711.06	3860101.99	3.52931	4.72E+00	4.97E+00	5.40E+00
2363	494761.06	3860101.99	3.51203	4.70E+00	4.94E+00	5.38E+00
2364	494811.06	3860101.99	3.50124	4.69E+00	4.93E+00	5.36E+00
2365	494861.06	3860101.99	3.59697	4.81E+00	5.06E+00	5.51E+00
2366	494911.06	3860101.99	3.36948	4.51E+00	4.74E+00	5.16E+00
2367	494961.06	3860101.99	3.33752	4.47E+00	4.70E+00	5.11E+00
2368	495011.06	3860101.99	3.25621	4.36E+00	4.58E+00	4.99E+00
2369	495061.06	3860101.99	3.18459	4.26E+00	4.48E+00	4.88E+00
2370	495111.06	3860101.99	3.07918	4.12E+00	4.33E+00	4.71E+00
2371	495161.06	3860101.99	3.05908	4.09E+00	4.30E+00	4.68E+00
2372	495211.06	3860101.99	3.01646	4.04E+00	4.24E+00	4.62E+00
2373	495261.06	3860101.99	2.97789	3.99E+00	4.19E+00	4.56E+00
2374	495311.06	3860101.99	2.95007	3.95E+00	4.15E+00	4.52E+00
2375	495361.06	3860101.99	2.94148	3.94E+00	4.14E+00	4.50E+00
2376	495411.06	3860101.99	2.89926	3.88E+00	4.08E+00	4.44E+00
2377	495461.06	3860101.99	2.8244	3.78E+00	3.97E+00	4.32E+00
2378	495511.06	3860101.99	2.81436	3.77E+00	3.96E+00	4.31E+00
2379	495561.06	3860101.99	2.80116	3.75E+00	3.94E+00	4.29E+00
2380	495611.06	3860101.99	2.72473	3.65E+00	3.83E+00	4.17E+00
2381	495661.06	3860101.99	2.68704	3.60E+00	3.78E+00	4.11E+00
2382	494861.06	3860151.99	3.79952	5.09E+00	5.35E+00	5.82E+00
2383	494911.06	3860151.99	3.57931	4.79E+00	5.04E+00	5.48E+00
2384	494961.06	3860151.99	3.51121	4.70E+00	4.94E+00	5.38E+00
2385	495011.06	3860151.99	3.43306	4.59E+00	4.83E+00	5.26E+00
2386	495061.06	3860151.99	3.35799	4.49E+00	4.72E+00	5.14E+00
2387	495111.06	3860151.99	3.30678	4.43E+00	4.65E+00	5.06E+00
2388	495161.06	3860151.99	3.26574	4.37E+00	4.60E+00	5.00E+00
2389	495211.06	3860151.99	3.20921	4.30E+00	4.52E+00	4.91E+00
2390	495261.06	3860151.99	3.17435	4.25E+00	4.47E+00	4.86E+00

2391	495311.06	3860151.99	3.1361	4.20E+00	4.41E+00	4.80E+00
2392	495361.06	3860151.99	3.10451	4.16E+00	4.37E+00	4.75E+00
2393	495411.06	3860151.99	3.05712	4.09E+00	4.30E+00	4.68E+00
2394	495461.06	3860151.99	3.01397	4.03E+00	4.24E+00	4.61E+00
2395	495511.06	3860151.99	2.95125	3.95E+00	4.15E+00	4.52E+00
2396	495561.06	3860151.99	2.92334	3.91E+00	4.11E+00	4.48E+00
2397	495611.06	3860151.99	2.87657	3.85E+00	4.05E+00	4.40E+00
2398	495661.06	3860151.99	2.82127	3.78E+00	3.97E+00	4.32E+00
2399	495718.25	3859442.96	3.3543	4.49E+00	4.72E+00	5.14E+00
2400	495818.25	3859442.96	3.34963	4.48E+00	4.71E+00	5.13E+00
2401	495918.25	3859442.96	3.37112	4.51E+00	4.74E+00	5.16E+00
2402	496018.25	3859442.96	3.4031	4.55E+00	4.79E+00	5.21E+00
2403	496118.25	3859442.96	3.40522	4.56E+00	4.79E+00	5.21E+00
2404	496218.25	3859442.96	3.39421	4.54E+00	4.78E+00	5.20E+00
2405	496318.25	3859442.96	3.39149	4.54E+00	4.77E+00	5.19E+00
2406	496418.25	3859442.96	3.35992	4.50E+00	4.73E+00	5.14E+00
2407	495718.25	3859542.96	3.23404	4.33E+00	4.55E+00	4.95E+00
2408	495818.25	3859542.96	3.25431	4.36E+00	4.58E+00	4.98E+00
2409	495918.25	3859542.96	3.25799	4.36E+00	4.58E+00	4.99E+00
2410	496018.25	3859542.96	3.27501	4.38E+00	4.61E+00	5.01E+00
2411	496118.25	3859542.96	3.26722	4.37E+00	4.60E+00	5.00E+00
2412	496218.25	3859542.96	3.2747	4.38E+00	4.61E+00	5.01E+00
2413	496318.25	3859542.96	3.26164	4.37E+00	4.59E+00	4.99E+00
2414	496418.25	3859542.96	3.28	4.39E+00	4.62E+00	5.02E+00
2415	495718.25	3859642.96	2.98299	3.99E+00	4.20E+00	4.57E+00
2416	495818.25	3859642.96	3.05592	4.09E+00	4.30E+00	4.68E+00
2417	495918.25	3859642.96	3.07307	4.11E+00	4.32E+00	4.71E+00
2418	496018.25	3859642.96	3.09708	4.15E+00	4.36E+00	4.74E+00
2419	496118.25	3859642.96	3.01283	4.03E+00	4.24E+00	4.61E+00
2420	496218.25	3859642.96	2.99837	4.01E+00	4.22E+00	4.59E+00
2421	496318.25	3859642.96	3.02519	4.05E+00	4.26E+00	4.63E+00
2422	496418.25	3859642.96	3.21661	4.31E+00	4.53E+00	4.93E+00
2423	495718.25	3859742.96	2.82675	3.78E+00	3.98E+00	4.33E+00
2424	495818.25	3859742.96	2.83839	3.80E+00	3.99E+00	4.35E+00
2425	495918.25	3859742.96	2.88284	3.86E+00	4.06E+00	4.41E+00
2426	496018.25	3859742.96	2.926	3.92E+00	4.12E+00	4.48E+00
2427	496118.25	3859742.96	2.8857	3.86E+00	4.06E+00	4.42E+00
2428	496218.25	3859742.96	2.80861	3.76E+00	3.95E+00	4.30E+00
2429	496318.25	3859742.96	2.91004	3.89E+00	4.09E+00	4.46E+00
2430	496418.25	3859742.96	2.9992	4.01E+00	4.22E+00	4.59E+00
2431	495718.25	3859842.96	2.69191	3.60E+00	3.79E+00	4.12E+00
2432	495818.25	3859842.96	2.67613	3.58E+00	3.77E+00	4.10E+00
2433	495918.25	3859842.96	2.6785	3.58E+00	3.77E+00	4.10E+00
2434	496018.25	3859842.96	2.66871	3.57E+00	3.76E+00	4.09E+00
2435	496118.25	3859842.96	2.59664	3.48E+00	3.65E+00	3.98E+00
2436	496218.25	3859842.96	2.73399	3.66E+00	3.85E+00	4.19E+00
2437	496318.25	3859842.96	2.94165	3.94E+00	4.14E+00	4.50E+00
2438	496418.25	3859842.96	3.10107	4.15E+00	4.36E+00	4.75E+00
2439	495718.25	3859942.96	2.50324	3.35E+00	3.52E+00	3.83E+00
2440	495818.25	3859942.96	2.53626	3.39E+00	3.57E+00	3.88E+00
2441	495918.25	3859942.96	2.51525	3.37E+00	3.54E+00	3.85E+00
2442	496018.25	3859942.96	2.39932	3.21E+00	3.38E+00	3.67E+00
2443	496118.25	3859942.96	2.49089	3.33E+00	3.50E+00	3.81E+00
2444	496218.25	3859942.96	2.6618	3.56E+00	3.75E+00	4.08E+00
2445	496318.25	3859942.96	2.82373	3.78E+00	3.97E+00	4.32E+00
2446	496418.25	3859942.96	3.04444	4.07E+00	4.28E+00	4.66E+00
2447	496856.82	3858864.83	2.31525	3.10E+00	3.26E+00	3.55E+00
2448	496956.82	3858864.83	2.2546	3.02E+00	3.17E+00	3.45E+00
2449	497056.82	3858864.83	2.21249	2.96E+00	3.11E+00	3.39E+00
2450	497156.82	3858864.83	2.19203	2.93E+00	3.08E+00	3.36E+00
2451	497256.82	3858864.83	2.25296	3.02E+00	3.17E+00	3.45E+00
2452	496856.82	3858964.83	2.47482	3.31E+00	3.48E+00	3.79E+00
2453	496956.82	3858964.83	2.42107	3.24E+00	3.41E+00	3.71E+00

2454	497056.82	3858964.83	2.35714	3.15E+00	3.32E+00	3.61E+00
2455	497156.82	3858964.83	2.29855	3.08E+00	3.23E+00	3.52E+00
2456	497256.82	3858964.83	2.31427	3.10E+00	3.26E+00	3.54E+00
2457	496856.82	3859064.83	2.55535	3.42E+00	3.60E+00	3.91E+00
2458	496956.82	3859064.83	2.50625	3.35E+00	3.53E+00	3.84E+00
2459	497056.82	3859064.83	2.48197	3.32E+00	3.49E+00	3.80E+00
2460	497156.82	3859064.83	2.45283	3.28E+00	3.45E+00	3.76E+00
2461	497256.82	3859064.83	2.48261	3.32E+00	3.49E+00	3.80E+00
2462	496856.82	3859164.83	2.847	3.81E+00	4.01E+00	4.36E+00
2463	496956.82	3859164.83	2.70386	3.62E+00	3.80E+00	4.14E+00
2464	497056.82	3859164.83	2.55918	3.43E+00	3.60E+00	3.92E+00
2465	497156.82	3859164.83	2.54945	3.41E+00	3.59E+00	3.90E+00
2466	497256.82	3859164.83	2.57787	3.45E+00	3.63E+00	3.95E+00
2467	496856.82	3859264.83	2.99106	4.00E+00	4.21E+00	4.58E+00
2468	496956.82	3859264.83	2.94346	3.94E+00	4.14E+00	4.51E+00
2469	497056.82	3859264.83	2.87836	3.85E+00	4.05E+00	4.41E+00
2470	497156.82	3859264.83	2.77772	3.72E+00	3.91E+00	4.25E+00
2471	497256.82	3859264.83	2.6624	3.56E+00	3.75E+00	4.08E+00
2472	497088.92	3858620.93	2.09338	2.80E+00	2.95E+00	3.21E+00
2473	497138.92	3858620.93	2.10586	2.82E+00	2.96E+00	3.22E+00
2474	497188.92	3858620.93	2.09235	2.80E+00	2.94E+00	3.20E+00
2475	497238.92	3858620.93	2.07897	2.78E+00	2.93E+00	3.18E+00
2476	497088.92	3858670.93	2.10379	2.82E+00	2.96E+00	3.22E+00
2477	497138.92	3858670.93	2.14901	2.88E+00	3.02E+00	3.29E+00
2478	497188.92	3858670.93	2.14081	2.87E+00	3.01E+00	3.28E+00
2479	497238.92	3858670.93	2.15231	2.88E+00	3.03E+00	3.30E+00
2480	497088.92	3858720.93	2.15623	2.89E+00	3.03E+00	3.30E+00
2481	497138.92	3858720.93	2.11231	2.83E+00	2.97E+00	3.23E+00
2482	497188.92	3858720.93	2.12954	2.85E+00	3.00E+00	3.26E+00
2483	497238.92	3858720.93	2.20491	2.95E+00	3.10E+00	3.38E+00
2484	497088.92	3858770.93	2.14095	2.87E+00	3.01E+00	3.28E+00
2485	497138.92	3858770.93	2.14062	2.87E+00	3.01E+00	3.28E+00
2486	497188.92	3858770.93	2.16022	2.89E+00	3.04E+00	3.31E+00
2487	497238.92	3858770.93	2.22751	2.98E+00	3.13E+00	3.41E+00
2488	497396.65	3858622.63	2.18604	2.93E+00	3.08E+00	3.35E+00
2489	497496.65	3858622.63	2.20291	2.95E+00	3.10E+00	3.37E+00
2490	497596.65	3858622.63	2.27718	3.05E+00	3.20E+00	3.49E+00
2491	497696.65	3858622.63	2.29516	3.07E+00	3.23E+00	3.51E+00
2492	497796.65	3858622.63	2.39707	3.21E+00	3.37E+00	3.67E+00
2493	497896.65	3858622.63	2.47351	3.31E+00	3.48E+00	3.79E+00
2494	497396.65	3858722.63	2.40411	3.22E+00	3.38E+00	3.68E+00
2495	497496.65	3858722.63	2.45536	3.29E+00	3.45E+00	3.76E+00
2496	497596.65	3858722.63	2.50312	3.35E+00	3.52E+00	3.83E+00
2497	497696.65	3858722.63	2.49271	3.34E+00	3.51E+00	3.82E+00
2498	497796.65	3858722.63	2.47541	3.31E+00	3.48E+00	3.79E+00
2499	497896.65	3858722.63	2.47739	3.32E+00	3.49E+00	3.79E+00
2500	497396.65	3858822.63	2.46093	3.29E+00	3.46E+00	3.77E+00
2501	497496.65	3858822.63	2.55278	3.42E+00	3.59E+00	3.91E+00
2502	497596.65	3858822.63	2.65069	3.55E+00	3.73E+00	4.06E+00
2503	497696.65	3858822.63	2.6611	3.56E+00	3.74E+00	4.07E+00
2504	497796.65	3858822.63	2.61953	3.51E+00	3.69E+00	4.01E+00
2505	497896.65	3858822.63	2.60532	3.49E+00	3.67E+00	3.99E+00
2506	497396.65	3858922.63	2.42282	3.24E+00	3.41E+00	3.71E+00
2507	497496.65	3858922.63	2.57728	3.45E+00	3.63E+00	3.95E+00
2508	497596.65	3858922.63	2.6368	3.53E+00	3.71E+00	4.04E+00
2509	497696.65	3858922.63	2.72402	3.65E+00	3.83E+00	4.17E+00
2510	497796.65	3858922.63	2.7494	3.68E+00	3.87E+00	4.21E+00
2511	497896.65	3858922.63	2.7158	3.63E+00	3.82E+00	4.16E+00
2512	497364.44	3858201.52	1.62129	2.17E+00	2.28E+00	2.48E+00
2513	497414.44	3858201.52	1.64869	2.21E+00	2.32E+00	2.52E+00
2514	497464.44	3858201.52	1.66738	2.23E+00	2.35E+00	2.55E+00
2515	497514.44	3858201.52	1.66194	2.22E+00	2.34E+00	2.54E+00
2516	497564.44	3858201.52	1.6385	2.19E+00	2.31E+00	2.51E+00

2517	497614.44	3858201.52	1.63444	2.19E+00	2.30E+00	2.50E+00
2518	497364.44	3858251.52	1.74975	2.34E+00	2.46E+00	2.68E+00
2519	497414.44	3858251.52	1.80217	2.41E+00	2.54E+00	2.76E+00
2520	497464.44	3858251.52	1.76742	2.37E+00	2.49E+00	2.71E+00
2521	497514.44	3858251.52	1.72103	2.30E+00	2.42E+00	2.64E+00
2522	497564.44	3858251.52	1.69604	2.27E+00	2.39E+00	2.60E+00
2523	497614.44	3858251.52	1.66724	2.23E+00	2.35E+00	2.55E+00
2524	497364.44	3858301.52	1.80443	2.42E+00	2.54E+00	2.76E+00
2525	497414.44	3858301.52	1.84825	2.47E+00	2.60E+00	2.83E+00
2526	497464.44	3858301.52	1.81456	2.43E+00	2.55E+00	2.78E+00
2527	497514.44	3858301.52	1.78984	2.40E+00	2.52E+00	2.74E+00
2528	497564.44	3858301.52	1.74604	2.34E+00	2.46E+00	2.67E+00
2529	497614.44	3858301.52	1.72487	2.31E+00	2.43E+00	2.64E+00
2530	497364.44	3858351.52	1.84334	2.47E+00	2.59E+00	2.82E+00
2531	497414.44	3858351.52	1.84107	2.46E+00	2.59E+00	2.82E+00
2532	497464.44	3858351.52	1.84916	2.47E+00	2.60E+00	2.83E+00
2533	497514.44	3858351.52	1.84078	2.46E+00	2.59E+00	2.82E+00
2534	497564.44	3858351.52	1.79698	2.41E+00	2.53E+00	2.75E+00
2535	497614.44	3858351.52	1.78816	2.39E+00	2.52E+00	2.74E+00
2536	497364.44	3858401.52	1.79791	2.41E+00	2.53E+00	2.75E+00
2537	497414.44	3858401.52	1.82562	2.44E+00	2.57E+00	2.80E+00
2538	497464.44	3858401.52	1.82699	2.45E+00	2.57E+00	2.80E+00
2539	497514.44	3858401.52	1.83641	2.46E+00	2.58E+00	2.81E+00
2540	497564.44	3858401.52	1.89351	2.53E+00	2.66E+00	2.90E+00
2541	497614.44	3858401.52	1.93742	2.59E+00	2.73E+00	2.97E+00
2542	493478.11	3860497.94	6.08865	8.15E+00	8.57E+00	9.32E+00
2543	493528.11	3860497.94	5.92572	7.93E+00	8.34E+00	9.07E+00
2544	493478.11	3860547.94	6.31488	8.45E+00	8.89E+00	9.67E+00
2545	493528.11	3860547.94	6.17731	8.27E+00	8.69E+00	9.46E+00
2546	493478.11	3860597.94	6.53646	8.75E+00	9.20E+00	1.00E+01
2547	493528.11	3860597.94	6.39517	8.56E+00	9.00E+00	9.79E+00
2548	493561.88	3860524.64	5.95805	7.97E+00	8.38E+00	9.12E+00
2549	493591.88	3860524.64	5.86051	7.84E+00	8.25E+00	8.97E+00
2550	493561.88	3860554.64	6.11357	8.18E+00	8.60E+00	9.36E+00
2551	493591.88	3860554.64	6.00255	8.03E+00	8.45E+00	9.19E+00
2552	492880.5	3860293.11	7.16544	9.59E+00	1.01E+01	1.10E+01
2553	492930.5	3860293.11	6.88758	9.22E+00	9.69E+00	1.05E+01
2554	492980.5	3860293.11	6.66982	8.93E+00	9.38E+00	1.02E+01
2555	493030.5	3860293.11	7.2938	9.76E+00	1.03E+01	1.12E+01
2556	493080.5	3860293.11	7.43207	9.95E+00	1.05E+01	1.14E+01
2557	493130.5	3860293.11	7.08376	9.48E+00	9.97E+00	1.08E+01
2558	493180.5	3860293.11	6.42085	8.59E+00	9.03E+00	9.83E+00
2559	493230.5	3860293.11	6.19089	8.29E+00	8.71E+00	9.48E+00
2560	493280.5	3860293.11	6.33577	8.48E+00	8.91E+00	9.70E+00
2561	493330.5	3860293.11	6.21147	8.31E+00	8.74E+00	9.51E+00
2562	493380.5	3860293.11	6.06038	8.11E+00	8.53E+00	9.28E+00
2563	492880.5	3860343.11	7.63992	1.02E+01	1.07E+01	1.17E+01
2564	492930.5	3860343.11	7.36343	9.86E+00	1.04E+01	1.13E+01
2565	492980.5	3860343.11	7.16316	9.59E+00	1.01E+01	1.10E+01
2566	493030.5	3860343.11	7.02605	9.40E+00	9.89E+00	1.08E+01
2567	493080.5	3860343.11	7.82233	1.05E+01	1.10E+01	1.20E+01
2568	493130.5	3860343.11	7.38613	9.89E+00	1.04E+01	1.13E+01
2569	493180.5	3860343.11	6.45296	8.64E+00	9.08E+00	9.88E+00
2570	493230.5	3860343.11	6.22013	8.33E+00	8.75E+00	9.52E+00
2571	493280.5	3860343.11	6.5644	8.79E+00	9.24E+00	1.01E+01
2572	493330.5	3860343.11	6.62075	8.86E+00	9.32E+00	1.01E+01
2573	493380.5	3860343.11	6.44528	8.63E+00	9.07E+00	9.87E+00
2574	492880.5	3860393.11	8.01064	1.07E+01	1.13E+01	1.23E+01
2575	492930.5	3860393.11	7.72332	1.03E+01	1.09E+01	1.18E+01
2576	492980.5	3860393.11	7.45019	9.97E+00	1.05E+01	1.14E+01
2577	493030.5	3860393.11	7.19701	9.63E+00	1.01E+01	1.10E+01
2578	493080.5	3860393.11	7.83769	1.05E+01	1.10E+01	1.20E+01
2579	493130.5	3860393.11	7.11333	9.52E+00	1.00E+01	1.09E+01

2580	493180.5	3860393.11	6.56551	8.79E+00	9.24E+00	1.01E+01
2581	493230.5	3860393.11	6.38396	8.54E+00	8.98E+00	9.78E+00
2582	493280.5	3860393.11	6.55201	8.77E+00	9.22E+00	1.00E+01
2583	493330.5	3860393.11	6.69322	8.96E+00	9.42E+00	1.02E+01
2584	493380.5	3860393.11	6.6377	8.88E+00	9.34E+00	1.02E+01
2585	492880.5	3860443.11	8.3571	1.12E+01	1.18E+01	1.28E+01
2586	492930.5	3860443.11	8.09866	1.08E+01	1.14E+01	1.24E+01
2587	492980.5	3860443.11	7.77322	1.04E+01	1.09E+01	1.19E+01
2588	493030.5	3860443.11	7.52526	1.01E+01	1.06E+01	1.15E+01
2589	493080.5	3860443.11	7.29883	9.77E+00	1.03E+01	1.12E+01
2590	493130.5	3860443.11	7.09309	9.49E+00	9.98E+00	1.09E+01
2591	493180.5	3860443.11	6.89627	9.23E+00	9.70E+00	1.06E+01
2592	493230.5	3860443.11	6.67198	8.93E+00	9.39E+00	1.02E+01
2593	493280.5	3860443.11	6.5222	8.73E+00	9.18E+00	9.99E+00
2594	493330.5	3860443.11	6.67547	8.93E+00	9.39E+00	1.02E+01
2595	493380.5	3860443.11	6.40569	8.57E+00	9.01E+00	9.81E+00
2596	493180.5	3860493.11	7.14765	9.57E+00	1.01E+01	1.09E+01
2597	493230.5	3860493.11	6.94437	9.29E+00	9.77E+00	1.06E+01
2598	493280.5	3860493.11	6.76392	9.05E+00	9.52E+00	1.04E+01
2599	493330.5	3860493.11	6.57874	8.81E+00	9.26E+00	1.01E+01
2600	493380.5	3860493.11	6.38916	8.55E+00	8.99E+00	9.78E+00
2601	493330.5	3860543.11	6.80242	9.10E+00	9.57E+00	1.04E+01
2602	493380.5	3860543.11	6.61879	8.86E+00	9.31E+00	1.01E+01
2603	494135.94	3860876.85	5.3997	7.23E+00	7.60E+00	8.27E+00
2604	494185.94	3860876.85	5.31917	7.12E+00	7.48E+00	8.14E+00
2605	494135.94	3860926.85	5.32089	7.12E+00	7.49E+00	8.15E+00
2606	494185.94	3860926.85	5.24871	7.03E+00	7.39E+00	8.04E+00
2607	494135.94	3860976.85	5.50263	7.36E+00	7.74E+00	8.43E+00
2608	494185.94	3860976.85	5.34181	7.15E+00	7.52E+00	8.18E+00
2609	494135.94	3861026.85	5.62135	7.52E+00	7.91E+00	8.61E+00
2610	494185.94	3861026.85	5.50287	7.37E+00	7.74E+00	8.43E+00
2611	494135.94	3861076.85	5.73384	7.67E+00	8.07E+00	8.78E+00
2612	494185.94	3861076.85	5.60641	7.50E+00	7.89E+00	8.58E+00
2613	490360.04	3858710.04	4.81766	6.45E+00	6.78E+00	7.38E+00
2614	490410.04	3858710.04	4.55227	6.09E+00	6.41E+00	6.97E+00
2615	490460.04	3858710.04	4.07467	5.45E+00	5.73E+00	6.24E+00
2616	490510.04	3858710.04	3.73907	5.00E+00	5.26E+00	5.73E+00
2617	490560.04	3858710.04	3.59588	4.81E+00	5.06E+00	5.51E+00
2618	490610.04	3858710.04	3.48858	4.67E+00	4.91E+00	5.34E+00
2619	490660.04	3858710.04	3.44957	4.62E+00	4.85E+00	5.28E+00
2620	490710.04	3858710.04	3.25847	4.36E+00	4.58E+00	4.99E+00
2621	490760.04	3858710.04	3.09465	4.14E+00	4.35E+00	4.74E+00
2622	490810.04	3858710.04	2.95415	3.95E+00	4.16E+00	4.52E+00
2623	490860.04	3858710.04	2.76822	3.71E+00	3.90E+00	4.24E+00
2624	490360.04	3858760.04	5.03521	6.74E+00	7.08E+00	7.71E+00
2625	490410.04	3858760.04	4.65821	6.23E+00	6.55E+00	7.13E+00
2626	490460.04	3858760.04	4.2593	5.70E+00	5.99E+00	6.52E+00
2627	490510.04	3858760.04	3.83584	5.13E+00	5.40E+00	5.87E+00
2628	490560.04	3858760.04	3.61542	4.84E+00	5.09E+00	5.54E+00
2629	490610.04	3858760.04	3.45599	4.63E+00	4.86E+00	5.29E+00
2630	490660.04	3858760.04	3.30975	4.43E+00	4.66E+00	5.07E+00
2631	490710.04	3858760.04	3.15514	4.22E+00	4.44E+00	4.83E+00
2632	490760.04	3858760.04	2.98403	3.99E+00	4.20E+00	4.57E+00
2633	490810.04	3858760.04	2.82776	3.78E+00	3.98E+00	4.33E+00
2634	490860.04	3858760.04	2.70122	3.62E+00	3.80E+00	4.14E+00
2635	490360.04	3858810.04	5.19925	6.96E+00	7.32E+00	7.96E+00
2636	490410.04	3858810.04	4.67879	6.26E+00	6.58E+00	7.16E+00
2637	490460.04	3858810.04	4.28079	5.73E+00	6.02E+00	6.55E+00
2638	490510.04	3858810.04	3.96909	5.31E+00	5.58E+00	6.08E+00
2639	490560.04	3858810.04	3.70933	4.96E+00	5.22E+00	5.68E+00
2640	490610.04	3858810.04	3.48399	4.66E+00	4.90E+00	5.33E+00
2641	490660.04	3858810.04	3.3204	4.44E+00	4.67E+00	5.08E+00
2642	490710.04	3858810.04	3.13507	4.20E+00	4.41E+00	4.80E+00

2643	490760.04	3858810.04	2.88441	3.86E+00	4.06E+00	4.42E+00
2644	490810.04	3858810.04	2.81477	3.77E+00	3.96E+00	4.31E+00
2645	490860.04	3858810.04	2.65284	3.55E+00	3.73E+00	4.06E+00
2646	490360.04	3858860.04	5.18744	6.94E+00	7.30E+00	7.94E+00
2647	490410.04	3858860.04	4.88811	6.54E+00	6.88E+00	7.48E+00
2648	490460.04	3858860.04	4.32182	5.78E+00	6.08E+00	6.62E+00
2649	490510.04	3858860.04	4.14175	5.54E+00	5.83E+00	6.34E+00
2650	490560.04	3858860.04	3.83137	5.13E+00	5.39E+00	5.87E+00
2651	490610.04	3858860.04	3.51836	4.71E+00	4.95E+00	5.39E+00
2652	490660.04	3858860.04	3.34849	4.48E+00	4.71E+00	5.13E+00
2653	490710.04	3858860.04	3.23305	4.33E+00	4.55E+00	4.95E+00
2654	490760.04	3858860.04	2.98784	4.00E+00	4.20E+00	4.57E+00
2655	490810.04	3858860.04	2.76953	3.71E+00	3.90E+00	4.24E+00
2656	490860.04	3858860.04	2.63317	3.52E+00	3.71E+00	4.03E+00
2657	490360.04	3858910.04	5.50301	7.37E+00	7.74E+00	8.43E+00
2658	490410.04	3858910.04	5.12279	6.86E+00	7.21E+00	7.84E+00
2659	490460.04	3858910.04	4.57843	6.13E+00	6.44E+00	7.01E+00
2660	490510.04	3858910.04	4.24196	5.68E+00	5.97E+00	6.50E+00
2661	490560.04	3858910.04	3.88947	5.21E+00	5.47E+00	5.96E+00
2662	490610.04	3858910.04	3.62898	4.86E+00	5.11E+00	5.56E+00
2663	490660.04	3858910.04	3.43609	4.60E+00	4.83E+00	5.26E+00
2664	490710.04	3858910.04	3.19833	4.28E+00	4.50E+00	4.90E+00
2665	490760.04	3858910.04	2.90329	3.89E+00	4.09E+00	4.45E+00
2666	490810.04	3858910.04	2.74586	3.68E+00	3.86E+00	4.20E+00
2667	490860.04	3858910.04	2.64809	3.54E+00	3.73E+00	4.05E+00
2668	490360.04	3858960.04	5.65695	7.57E+00	7.96E+00	8.66E+00
2669	490410.04	3858960.04	5.20228	6.96E+00	7.32E+00	7.97E+00
2670	490460.04	3858960.04	4.62775	6.19E+00	6.51E+00	7.09E+00
2671	490510.04	3858960.04	4.28802	5.74E+00	6.03E+00	6.57E+00
2672	490560.04	3858960.04	3.95977	5.30E+00	5.57E+00	6.06E+00
2673	490610.04	3858960.04	3.61022	4.83E+00	5.08E+00	5.53E+00
2674	490660.04	3858960.04	3.49075	4.67E+00	4.91E+00	5.34E+00
2675	490710.04	3858960.04	3.15359	4.22E+00	4.44E+00	4.83E+00
2676	490760.04	3858960.04	2.87609	3.85E+00	4.05E+00	4.40E+00
2677	490810.04	3858960.04	2.71578	3.63E+00	3.82E+00	4.16E+00
2678	490860.04	3858960.04	2.69466	3.61E+00	3.79E+00	4.13E+00
2679	490360.04	3859010.04	6.03709	8.08E+00	8.49E+00	9.24E+00
2680	490410.04	3859010.04	5.26469	7.05E+00	7.41E+00	8.06E+00
2681	490460.04	3859010.04	4.60163	6.16E+00	6.47E+00	7.05E+00
2682	490510.04	3859010.04	4.12669	5.52E+00	5.81E+00	6.32E+00
2683	490560.04	3859010.04	3.91322	5.24E+00	5.51E+00	5.99E+00
2684	490610.04	3859010.04	3.54945	4.75E+00	4.99E+00	5.43E+00
2685	490660.04	3859010.04	3.43872	4.60E+00	4.84E+00	5.27E+00
2686	490710.04	3859010.04	3.07378	4.11E+00	4.32E+00	4.71E+00
2687	490760.04	3859010.04	2.80234	3.75E+00	3.94E+00	4.29E+00
2688	490810.04	3859010.04	2.68547	3.59E+00	3.78E+00	4.11E+00
2689	490860.04	3859010.04	2.70486	3.62E+00	3.81E+00	4.14E+00
2690	490360.04	3859060.04	6.5435	8.76E+00	9.21E+00	1.00E+01
2691	490410.04	3859060.04	5.07996	6.80E+00	7.15E+00	7.78E+00
2692	490460.04	3859060.04	4.52995	6.06E+00	6.37E+00	6.94E+00
2693	490510.04	3859060.04	4.16631	5.58E+00	5.86E+00	6.38E+00
2694	490560.04	3859060.04	3.75332	5.02E+00	5.28E+00	5.75E+00
2695	490610.04	3859060.04	3.5212	4.71E+00	4.95E+00	5.39E+00
2696	490660.04	3859060.04	3.3153	4.44E+00	4.66E+00	5.08E+00
2697	490710.04	3859060.04	2.91279	3.90E+00	4.10E+00	4.46E+00
2698	490760.04	3859060.04	2.68692	3.60E+00	3.78E+00	4.11E+00
2699	490810.04	3859060.04	2.69029	3.60E+00	3.79E+00	4.12E+00
2700	490860.04	3859060.04	2.74429	3.67E+00	3.86E+00	4.20E+00
2701	490360.04	3859110.04	7.3501	9.84E+00	1.03E+01	1.13E+01
2702	490410.04	3859110.04	5.57474	7.46E+00	7.84E+00	8.54E+00
2703	490460.04	3859110.04	4.77865	6.40E+00	6.72E+00	7.32E+00
2704	490510.04	3859110.04	4.05925	5.43E+00	5.71E+00	6.22E+00
2705	490560.04	3859110.04	3.67932	4.92E+00	5.18E+00	5.63E+00

2706	490610.04	3859110.04	3.27126	4.38E+00	4.60E+00	5.01E+00
2707	490660.04	3859110.04	2.82336	3.78E+00	3.97E+00	4.32E+00
2708	490710.04	3859110.04	2.6868	3.60E+00	3.78E+00	4.11E+00
2709	490760.04	3859110.04	2.68807	3.60E+00	3.78E+00	4.12E+00
2710	490810.04	3859110.04	2.75004	3.68E+00	3.87E+00	4.21E+00
2711	490860.04	3859110.04	2.81374	3.77E+00	3.96E+00	4.31E+00
2712	490360.04	3859160.04	8.24028	1.10E+01	1.16E+01	1.26E+01
2713	490410.04	3859160.04	6.42359	8.60E+00	9.04E+00	9.84E+00
2714	490460.04	3859160.04	5.0775	6.80E+00	7.14E+00	7.77E+00
2715	490510.04	3859160.04	4.44571	5.95E+00	6.26E+00	6.81E+00
2716	490560.04	3859160.04	3.80087	5.09E+00	5.35E+00	5.82E+00
2717	490610.04	3859160.04	3.42456	4.58E+00	4.82E+00	5.24E+00
2718	490660.04	3859160.04	2.70957	3.63E+00	3.81E+00	4.15E+00
2719	490710.04	3859160.04	2.66143	3.56E+00	3.74E+00	4.08E+00
2720	490760.04	3859160.04	2.74809	3.68E+00	3.87E+00	4.21E+00
2721	490810.04	3859160.04	2.79692	3.74E+00	3.94E+00	4.28E+00
2722	490860.04	3859160.04	2.8754	3.85E+00	4.05E+00	4.40E+00
2723	490360.04	3859210.04	9.17393	1.23E+01	1.29E+01	1.40E+01
2724	490410.04	3859210.04	7.94413	1.06E+01	1.12E+01	1.22E+01
2725	490460.04	3859210.04	5.65709	7.57E+00	7.96E+00	8.66E+00
2726	490510.04	3859210.04	4.72048	6.32E+00	6.64E+00	7.23E+00
2727	490560.04	3859210.04	4.29108	5.74E+00	6.04E+00	6.57E+00
2728	490610.04	3859210.04	3.70446	4.96E+00	5.21E+00	5.67E+00
2729	490660.04	3859210.04	2.8451	3.81E+00	4.00E+00	4.36E+00
2730	490710.04	3859210.04	2.6503	3.55E+00	3.73E+00	4.06E+00
2731	490760.04	3859210.04	2.71027	3.63E+00	3.81E+00	4.15E+00
2732	490810.04	3859210.04	2.73933	3.67E+00	3.85E+00	4.19E+00
2733	490860.04	3859210.04	2.76568	3.70E+00	3.89E+00	4.23E+00
2734	490360.04	3859260.04	9.66915	1.29E+01	1.36E+01	1.48E+01
2735	490410.04	3859260.04	8.43101	1.13E+01	1.19E+01	1.29E+01
2736	490460.04	3859260.04	7.17601	9.60E+00	1.01E+01	1.10E+01
2737	490510.04	3859260.04	5.95181	7.97E+00	8.37E+00	9.11E+00
2738	490560.04	3859260.04	5.11247	6.84E+00	7.19E+00	7.83E+00
2739	490610.04	3859260.04	4.17676	5.59E+00	5.88E+00	6.40E+00
2740	490660.04	3859260.04	4.02429	5.39E+00	5.66E+00	6.16E+00
2741	490710.04	3859260.04	3.43517	4.60E+00	4.83E+00	5.26E+00
2742	490760.04	3859260.04	2.90194	3.88E+00	4.08E+00	4.44E+00
2743	490810.04	3859260.04	2.81009	3.76E+00	3.95E+00	4.30E+00
2744	490860.04	3859260.04	2.75025	3.68E+00	3.87E+00	4.21E+00
2745	490360.04	3859310.04	10.79817	1.45E+01	1.52E+01	1.65E+01
2746	490410.04	3859310.04	9.79138	1.31E+01	1.38E+01	1.50E+01
2747	490460.04	3859310.04	8.53445	1.14E+01	1.20E+01	1.31E+01
2748	490510.04	3859310.04	7.40065	9.91E+00	1.04E+01	1.13E+01
2749	490560.04	3859310.04	6.43577	8.61E+00	9.06E+00	9.85E+00
2750	490610.04	3859310.04	5.79092	7.75E+00	8.15E+00	8.87E+00
2751	490660.04	3859310.04	5.27891	7.07E+00	7.43E+00	8.08E+00
2752	490710.04	3859310.04	4.33071	5.80E+00	6.09E+00	6.63E+00
2753	490760.04	3859310.04	3.83014	5.13E+00	5.39E+00	5.86E+00
2754	490810.04	3859310.04	3.57563	4.79E+00	5.03E+00	5.47E+00
2755	490860.04	3859310.04	3.17657	4.25E+00	4.47E+00	4.86E+00
2756	490360.04	3859360.04	12.08245	1.62E+01	1.70E+01	1.85E+01
2757	490410.04	3859360.04	11.57821	1.55E+01	1.63E+01	1.77E+01
2758	490460.04	3859360.04	10.96474	1.47E+01	1.54E+01	1.68E+01
2759	490510.04	3859360.04	9.83285	1.32E+01	1.38E+01	1.51E+01
2760	490560.04	3859360.04	8.00227	1.07E+01	1.13E+01	1.23E+01
2761	490610.04	3859360.04	6.84173	9.16E+00	9.63E+00	1.05E+01
2762	490660.04	3859360.04	6.13594	8.21E+00	8.63E+00	9.40E+00
2763	490710.04	3859360.04	5.44948	7.29E+00	7.67E+00	8.34E+00
2764	490760.04	3859360.04	4.73546	6.34E+00	6.66E+00	7.25E+00
2765	490810.04	3859360.04	4.58566	6.14E+00	6.45E+00	7.02E+00
2766	490860.04	3859360.04	4.1861	5.60E+00	5.89E+00	6.41E+00
2767	490360.04	3859410.04	13.35413	1.79E+01	1.88E+01	2.04E+01
2768	490410.04	3859410.04	13.13685	1.76E+01	1.85E+01	2.01E+01

2769	490460.04	3859410.04	12.72206	1.70E+01	1.79E+01	1.95E+01
2770	490510.04	3859410.04	11.98875	1.60E+01	1.69E+01	1.84E+01
2771	490560.04	3859410.04	10.67674	1.43E+01	1.50E+01	1.63E+01
2772	490610.04	3859410.04	8.87182	1.19E+01	1.25E+01	1.36E+01
2773	490660.04	3859410.04	7.21527	9.66E+00	1.02E+01	1.10E+01
2774	490710.04	3859410.04	6.40534	8.57E+00	9.01E+00	9.81E+00
2775	490760.04	3859410.04	5.63623	7.54E+00	7.93E+00	8.63E+00
2776	490810.04	3859410.04	5.45744	7.30E+00	7.68E+00	8.36E+00
2777	490860.04	3859410.04	5.35491	7.17E+00	7.53E+00	8.20E+00
2778	490360.04	3859460.04	16.91396	2.26E+01	2.38E+01	2.59E+01
2779	490410.04	3859460.04	14.86716	1.99E+01	2.09E+01	2.28E+01
2780	490460.04	3859460.04	14.10011	1.89E+01	1.98E+01	2.16E+01
2781	490510.04	3859460.04	13.66846	1.83E+01	1.92E+01	2.09E+01
2782	490560.04	3859460.04	12.94792	1.73E+01	1.82E+01	1.98E+01
2783	490610.04	3859460.04	11.27522	1.51E+01	1.59E+01	1.73E+01
2784	490660.04	3859460.04	9.02674	1.21E+01	1.27E+01	1.38E+01
2785	490710.04	3859460.04	7.76314	1.04E+01	1.09E+01	1.19E+01
2786	490760.04	3859460.04	7.15344	9.57E+00	1.01E+01	1.10E+01
2787	490810.04	3859460.04	6.60422	8.84E+00	9.29E+00	1.01E+01
2788	490860.04	3859460.04	6.34028	8.49E+00	8.92E+00	9.71E+00
2789	490360.04	3859510.04	20.27262	2.71E+01	2.85E+01	3.10E+01
2790	490410.04	3859510.04	18.63178	2.49E+01	2.62E+01	2.85E+01
2791	490460.04	3859510.04	16.91662	2.26E+01	2.38E+01	2.59E+01
2792	490510.04	3859510.04	15.27586	2.04E+01	2.15E+01	2.34E+01
2793	490560.04	3859510.04	14.88994	1.99E+01	2.10E+01	2.28E+01
2794	490610.04	3859510.04	13.82993	1.85E+01	1.95E+01	2.12E+01
2795	490660.04	3859510.04	11.98958	1.60E+01	1.69E+01	1.84E+01
2796	490710.04	3859510.04	9.5584	1.28E+01	1.34E+01	1.46E+01
2797	490760.04	3859510.04	8.29996	1.11E+01	1.17E+01	1.27E+01
2798	490810.04	3859510.04	7.77858	1.04E+01	1.09E+01	1.19E+01
2799	490860.04	3859510.04	7.28991	9.76E+00	1.03E+01	1.12E+01
2800	490360.04	3859560.04	26.04603	3.49E+01	3.66E+01	3.99E+01
2801	490410.04	3859560.04	22.852	3.06E+01	3.22E+01	3.50E+01
2802	490460.04	3859560.04	20.97587	2.81E+01	2.95E+01	3.21E+01
2803	490510.04	3859560.04	19.18104	2.57E+01	2.70E+01	2.94E+01
2804	490560.04	3859560.04	16.66257	2.23E+01	2.34E+01	2.55E+01
2805	490610.04	3859560.04	16.21244	2.17E+01	2.28E+01	2.48E+01
2806	490660.04	3859560.04	15.10427	2.02E+01	2.13E+01	2.31E+01
2807	490710.04	3859560.04	12.85953	1.72E+01	1.81E+01	1.97E+01
2808	490760.04	3859560.04	9.9512	1.33E+01	1.40E+01	1.52E+01
2809	490810.04	3859560.04	8.77566	1.17E+01	1.23E+01	1.34E+01
2810	490860.04	3859560.04	8.18438	1.10E+01	1.15E+01	1.25E+01
2811	490187.25	3859422.08	18.8501	2.52E+01	2.65E+01	2.89E+01
2812	490237.25	3859422.08	17.55492	2.35E+01	2.47E+01	2.69E+01
2813	490287.25	3859422.08	16.40484	2.20E+01	2.31E+01	2.51E+01
2814	490337.25	3859422.08	15.04559	2.01E+01	2.12E+01	2.30E+01
2815	490187.25	3859472.08	24.29889	3.25E+01	3.42E+01	3.72E+01
2816	490237.25	3859472.08	21.4719	2.87E+01	3.02E+01	3.29E+01
2817	490287.25	3859472.08	19.49504	2.61E+01	2.74E+01	2.99E+01
2818	490337.25	3859472.08	18.0235	2.41E+01	2.54E+01	2.76E+01
2819	490297.07	3859500.42	21.62851	2.89E+01	3.04E+01	3.31E+01
2820	490327.07	3859500.42	20.49582	2.74E+01	2.88E+01	3.14E+01
2821	490297.07	3859530.42	25.78024	3.45E+01	3.63E+01	3.95E+01
2822	490327.07	3859530.42	23.69256	3.17E+01	3.33E+01	3.63E+01
2823	490319.73	3859055.34	7.95249	1.06E+01	1.12E+01	1.22E+01
2824	490319.73	3859105.34	8.59574	1.15E+01	1.21E+01	1.32E+01
2825	490069.73	3859155.34	10.43745	1.40E+01	1.47E+01	1.60E+01
2826	490119.73	3859155.34	10.6243	1.42E+01	1.49E+01	1.63E+01
2827	490269.73	3859155.34	10.48513	1.40E+01	1.48E+01	1.61E+01
2828	490319.73	3859155.34	9.41263	1.26E+01	1.32E+01	1.44E+01
2829	490069.73	3859205.34	11.86835	1.59E+01	1.67E+01	1.82E+01
2830	490119.73	3859205.34	10.8591	1.45E+01	1.53E+01	1.66E+01
2831	490169.73	3859205.34	11.2155	1.50E+01	1.58E+01	1.72E+01

2832	490219.73	3859205.34	11.1634	1.49E+01	1.57E+01	1.71E+01
2833	490269.73	3859205.34	10.52894	1.41E+01	1.48E+01	1.61E+01
2834	490319.73	3859205.34	10.05017	1.35E+01	1.41E+01	1.54E+01
2835	490069.73	3859255.34	13.1909	1.77E+01	1.86E+01	2.02E+01
2836	490119.73	3859255.34	12.84241	1.72E+01	1.81E+01	1.97E+01
2837	490169.73	3859255.34	11.66587	1.56E+01	1.64E+01	1.79E+01
2838	490219.73	3859255.34	11.52846	1.54E+01	1.62E+01	1.77E+01
2839	490269.73	3859255.34	11.13307	1.49E+01	1.57E+01	1.70E+01
2840	490319.73	3859255.34	10.72466	1.44E+01	1.51E+01	1.64E+01
2841	490069.73	3859305.34	14.97011	2.00E+01	2.11E+01	2.29E+01
2842	490119.73	3859305.34	14.24449	1.91E+01	2.00E+01	2.18E+01
2843	490169.73	3859305.34	13.78291	1.84E+01	1.94E+01	2.11E+01
2844	490219.73	3859305.34	12.48309	1.67E+01	1.76E+01	1.91E+01
2845	490269.73	3859305.34	11.84654	1.59E+01	1.67E+01	1.81E+01
2846	490319.73	3859305.34	11.34115	1.52E+01	1.60E+01	1.74E+01
2847	490069.73	3859355.34	17.77725	2.38E+01	2.50E+01	2.72E+01
2848	490119.73	3859355.34	16.61975	2.22E+01	2.34E+01	2.54E+01
2849	490169.73	3859355.34	15.49815	2.07E+01	2.18E+01	2.37E+01
2850	490219.73	3859355.34	14.73822	1.97E+01	2.07E+01	2.26E+01
2851	490269.73	3859355.34	13.53734	1.81E+01	1.90E+01	2.07E+01
2852	490319.73	3859355.34	12.36204	1.65E+01	1.74E+01	1.89E+01
2853	490069.73	3859405.34	22.46578	3.01E+01	3.16E+01	3.44E+01
2854	490119.73	3859405.34	20.14797	2.70E+01	2.83E+01	3.09E+01
2855	490169.73	3859405.34	18.25024	2.44E+01	2.57E+01	2.79E+01
2856	490219.73	3859405.34	16.99093	2.27E+01	2.39E+01	2.60E+01
2857	490269.73	3859405.34	15.82368	2.12E+01	2.23E+01	2.42E+01
2858	490319.73	3859405.34	14.51628	1.94E+01	2.04E+01	2.22E+01
2859	490161.89	3859541.83	35.58795	4.76E+01	5.01E+01	5.45E+01
2860	490171.89	3859541.83	34.91977	4.67E+01	4.91E+01	5.35E+01
2861	490161.89	3859551.83	37.76153	5.05E+01	5.31E+01	5.78E+01
2862	490171.89	3859551.83	36.91454	4.94E+01	5.19E+01	5.65E+01
2863	489799.72	3859348.21	27.41855	3.67E+01	3.86E+01	4.20E+01
2864	489819.72	3859348.21	26.31092	3.52E+01	3.70E+01	4.03E+01
2865	489799.72	3859368.21	30.43731	4.07E+01	4.28E+01	4.66E+01
2866	489819.72	3859368.21	28.9455	3.87E+01	4.07E+01	4.43E+01
2867	489775.41	3859329.72	26.51284	3.55E+01	3.73E+01	4.06E+01
2868	489795.41	3859329.72	25.44544	3.41E+01	3.58E+01	3.90E+01
2869	489775.41	3859349.72	29.36991	3.93E+01	4.13E+01	4.50E+01
2870	489795.41	3859349.72	27.90683	3.74E+01	3.93E+01	4.27E+01
2871	489595.05	3859219.43	23.90983	3.20E+01	3.36E+01	3.66E+01
2872	489615.05	3859219.43	22.77179	3.05E+01	3.20E+01	3.49E+01
2873	489595.05	3859239.43	26.69092	3.57E+01	3.76E+01	4.09E+01
2874	489615.05	3859239.43	25.14945	3.37E+01	3.54E+01	3.85E+01
2875	489372.4	3859092.58	22.72302	3.04E+01	3.20E+01	3.48E+01
2876	489422.4	3859092.58	20.09516	2.69E+01	2.83E+01	3.08E+01
2877	489372.4	3859142.58	32.4234	4.34E+01	4.56E+01	4.96E+01
2878	489422.4	3859142.58	26.09809	3.49E+01	3.67E+01	4.00E+01
2879	488870.84	3858666.64	12.53674	1.68E+01	1.76E+01	1.92E+01
2880	488900.84	3858666.64	11.93909	1.60E+01	1.68E+01	1.83E+01
2881	488870.84	3858696.64	13.7096	1.83E+01	1.93E+01	2.10E+01
2882	488900.84	3858696.64	13.00571	1.74E+01	1.83E+01	1.99E+01
2883	488889.67	3858683.97	12.75702	1.71E+01	1.79E+01	1.95E+01
2884	488919.67	3858683.97	12.11385	1.62E+01	1.70E+01	1.85E+01
2885	488889.67	3858713.97	14.003	1.87E+01	1.97E+01	2.14E+01
2886	488919.67	3858713.97	13.29061	1.78E+01	1.87E+01	2.04E+01
2887	488906.61	3858703.33	13.14094	1.76E+01	1.85E+01	2.01E+01
2888	488936.61	3858703.33	12.41211	1.66E+01	1.75E+01	1.90E+01
2889	488906.61	3858733.33	14.50539	1.94E+01	2.04E+01	2.22E+01
2890	488936.61	3858733.33	13.73723	1.84E+01	1.93E+01	2.10E+01
2891	488637.63	3858467.85	11.13851	1.49E+01	1.57E+01	1.71E+01
2892	488662.63	3858467.85	10.7158	1.43E+01	1.51E+01	1.64E+01
2893	488637.63	3858492.85	11.80591	1.58E+01	1.66E+01	1.81E+01
2894	488662.63	3858492.85	11.3699	1.52E+01	1.60E+01	1.74E+01

2895	488687.63	3858492.85	10.9311	1.46E+01	1.54E+01	1.67E+01
2896	488637.63	3858517.85	12.49636	1.67E+01	1.76E+01	1.91E+01
2897	488662.63	3858517.85	12.08405	1.62E+01	1.70E+01	1.85E+01
2898	488687.63	3858517.85	11.6025	1.55E+01	1.63E+01	1.78E+01
2899	488194.42	3857168.98	4.0243	5.39E+00	5.66E+00	6.16E+00
2900	488244.42	3857168.98	4.08396	5.47E+00	5.75E+00	6.25E+00
2901	488294.42	3857168.98	4.0925	5.48E+00	5.76E+00	6.27E+00
2902	488244.42	3857218.98	4.1455	5.55E+00	5.83E+00	6.35E+00
2903	488294.42	3857218.98	4.18276	5.60E+00	5.89E+00	6.40E+00
2904	488294.42	3857268.98	4.26946	5.71E+00	6.01E+00	6.54E+00
2905	488139.13	3857111.68	3.91398	5.24E+00	5.51E+00	5.99E+00
2906	488189.13	3857111.68	3.98825	5.34E+00	5.61E+00	6.11E+00
2907	488189.13	3857161.68	4.01212	5.37E+00	5.65E+00	6.14E+00
2908	487951.04	3856961.26	3.72815	4.99E+00	5.25E+00	5.71E+00
2909	488001.04	3856961.26	3.73415	5.00E+00	5.25E+00	5.72E+00
2910	488051.04	3856961.26	3.73685	5.00E+00	5.26E+00	5.72E+00
2911	488101.04	3856961.26	3.7559	5.03E+00	5.28E+00	5.75E+00
2912	487951.04	3857011.26	3.75106	5.02E+00	5.28E+00	5.74E+00
2913	488001.04	3857011.26	3.75472	5.03E+00	5.28E+00	5.75E+00
2914	488051.04	3857011.26	3.76077	5.03E+00	5.29E+00	5.76E+00
2915	488101.04	3857011.26	3.8057	5.09E+00	5.35E+00	5.83E+00
2916	488001.04	3857061.26	3.78018	5.06E+00	5.32E+00	5.79E+00
2917	488051.04	3857061.26	3.81539	5.11E+00	5.37E+00	5.84E+00
2918	488101.04	3857061.26	3.86132	5.17E+00	5.43E+00	5.91E+00
2919	487638.98	3856673.79	4.2885	5.74E+00	6.03E+00	6.57E+00
2920	487688.98	3856673.79	4.25819	5.70E+00	5.99E+00	6.52E+00
2921	487638.98	3856723.79	4.17264	5.58E+00	5.87E+00	6.39E+00
2922	487688.98	3856723.79	4.16392	5.57E+00	5.86E+00	6.38E+00
2923	486324.61	3855740.57	6.38192	8.54E+00	8.98E+00	9.77E+00
2924	486374.61	3855740.57	6.49407	8.69E+00	9.14E+00	9.94E+00
2925	486424.61	3855740.57	6.53715	8.75E+00	9.20E+00	1.00E+01
2926	486324.61	3855790.57	6.25365	8.37E+00	8.80E+00	9.58E+00
2927	486374.61	3855790.57	6.30529	8.44E+00	8.87E+00	9.65E+00
2928	486424.61	3855790.57	6.37903	8.54E+00	8.98E+00	9.77E+00
2929	486324.61	3855840.57	6.17516	8.26E+00	8.69E+00	9.46E+00
2930	486374.61	3855840.57	6.15709	8.24E+00	8.66E+00	9.43E+00
2931	486424.61	3855840.57	6.19525	8.29E+00	8.72E+00	9.49E+00
2932	486324.61	3855890.57	6.056	8.11E+00	8.52E+00	9.27E+00
2933	486374.61	3855890.57	6.07546	8.13E+00	8.55E+00	9.30E+00
2934	486424.61	3855890.57	6.0503	8.10E+00	8.51E+00	9.26E+00
2935	488735.69	3858285.64	6.99584	9.36E+00	9.84E+00	1.07E+01
2936	488765.69	3858285.64	6.835	9.15E+00	9.62E+00	1.05E+01
2937	488735.69	3858315.64	7.32415	9.80E+00	1.03E+01	1.12E+01
2938	488765.69	3858315.64	7.11875	9.53E+00	1.00E+01	1.09E+01
2939	478676.63	3849871.93	12.31725	1.65E+01	1.73E+01	1.89E+01
2940	479326.63	3849871.93	8.61468	1.15E+01	1.21E+01	1.32E+01
2941	479376.63	3849871.93	8.38787	1.12E+01	1.18E+01	1.28E+01
2942	479426.63	3849871.93	8.19019	1.10E+01	1.15E+01	1.25E+01
2943	478726.63	3849921.93	12.94105	1.73E+01	1.82E+01	1.98E+01
2944	478776.63	3849921.93	12.59456	1.69E+01	1.77E+01	1.93E+01
2945	478826.63	3849921.93	12.14243	1.63E+01	1.71E+01	1.86E+01
2946	478976.63	3849921.93	10.8124	1.45E+01	1.52E+01	1.66E+01
2947	479026.63	3849921.93	10.69465	1.43E+01	1.50E+01	1.64E+01
2948	479076.63	3849921.93	10.63459	1.42E+01	1.50E+01	1.63E+01
2949	479126.63	3849921.93	10.71568	1.43E+01	1.51E+01	1.64E+01
2950	479176.63	3849921.93	10.8434	1.45E+01	1.53E+01	1.66E+01
2951	479226.63	3849921.93	10.3802	1.39E+01	1.46E+01	1.59E+01
2952	479276.63	3849921.93	9.46494	1.27E+01	1.33E+01	1.45E+01
2953	479326.63	3849921.93	10.15775	1.36E+01	1.43E+01	1.56E+01
2954	479376.63	3849921.93	9.00219	1.20E+01	1.27E+01	1.38E+01
2955	479426.63	3849921.93	9.47945	1.27E+01	1.33E+01	1.45E+01
2956	478726.63	3849971.93	14.17816	1.90E+01	1.99E+01	2.17E+01
2957	478776.63	3849971.93	13.59374	1.82E+01	1.91E+01	2.08E+01

2958	478826.63	3849971.93	13.10584	1.75E+01	1.84E+01	2.01E+01
2959	478976.63	3849971.93	11.87785	1.59E+01	1.67E+01	1.82E+01
2960	479026.63	3849971.93	11.37474	1.52E+01	1.60E+01	1.74E+01
2961	479076.63	3849971.93	11.07076	1.48E+01	1.56E+01	1.70E+01
2962	479126.63	3849971.93	10.90305	1.46E+01	1.53E+01	1.67E+01
2963	479176.63	3849971.93	10.98948	1.47E+01	1.55E+01	1.68E+01
2964	479226.63	3849971.93	10.1669	1.36E+01	1.43E+01	1.56E+01
2965	479276.63	3849971.93	10.79257	1.44E+01	1.52E+01	1.65E+01
2966	479326.63	3849971.93	11.06598	1.48E+01	1.56E+01	1.69E+01
2967	479376.63	3849971.93	10.13996	1.36E+01	1.43E+01	1.55E+01
2968	479426.63	3849971.93	10.22435	1.37E+01	1.44E+01	1.57E+01
2969	478726.63	3850021.93	15.45453	2.07E+01	2.17E+01	2.37E+01
2970	478776.63	3850021.93	14.8866	1.99E+01	2.09E+01	2.28E+01
2971	478826.63	3850021.93	14.28744	1.91E+01	2.01E+01	2.19E+01
2972	478976.63	3850021.93	12.96781	1.74E+01	1.82E+01	1.99E+01
2973	478726.63	3850071.93	17.33043	2.32E+01	2.44E+01	2.65E+01
2974	478776.63	3850071.93	16.40032	2.20E+01	2.31E+01	2.51E+01
2975	478826.63	3850071.93	15.67063	2.10E+01	2.20E+01	2.40E+01
2976	478876.63	3850071.93	15.08866	2.02E+01	2.12E+01	2.31E+01
2977	478976.63	3850071.93	14.02916	1.88E+01	1.97E+01	2.15E+01
2978	478726.63	3850121.93	20.29996	2.72E+01	2.86E+01	3.11E+01
2979	478776.63	3850121.93	18.76964	2.51E+01	2.64E+01	2.87E+01
2980	478826.63	3850121.93	17.41519	2.33E+01	2.45E+01	2.67E+01
2981	478876.63	3850121.93	16.69565	2.23E+01	2.35E+01	2.56E+01
2982	478976.63	3850121.93	15.36452	2.06E+01	2.16E+01	2.35E+01
2983	479026.63	3850121.93	14.75398	1.97E+01	2.08E+01	2.26E+01
2984	479076.63	3850121.93	14.25634	1.91E+01	2.01E+01	2.18E+01
2985	479126.63	3850121.93	13.70606	1.83E+01	1.93E+01	2.10E+01
2986	478776.63	3850171.93	21.88205	2.93E+01	3.08E+01	3.35E+01
2987	478826.63	3850171.93	20.26725	2.71E+01	2.85E+01	3.10E+01
2988	478876.63	3850171.93	18.66716	2.50E+01	2.63E+01	2.86E+01
2989	478976.63	3850171.93	16.90861	2.26E+01	2.38E+01	2.59E+01
2990	479026.63	3850171.93	16.20438	2.17E+01	2.28E+01	2.48E+01
2991	479076.63	3850171.93	15.53733	2.08E+01	2.19E+01	2.38E+01
2992	479126.63	3850171.93	15.02542	2.01E+01	2.11E+01	2.30E+01
2993	479176.63	3850171.93	14.53849	1.95E+01	2.05E+01	2.23E+01
2994	479226.63	3850171.93	14.08055	1.88E+01	1.98E+01	2.16E+01
2995	479276.63	3850171.93	13.45016	1.80E+01	1.89E+01	2.06E+01
2996	479326.63	3850171.93	13.10162	1.75E+01	1.84E+01	2.01E+01
2997	479376.63	3850171.93	13.01701	1.74E+01	1.83E+01	1.99E+01
2998	478676.63	3850221.93	31.44118	4.21E+01	4.42E+01	4.81E+01
2999	478726.63	3850221.93	27.90161	3.73E+01	3.93E+01	4.27E+01
3000	478976.63	3850221.93	18.75319	2.51E+01	2.64E+01	2.87E+01
3001	479026.63	3850221.93	17.89063	2.39E+01	2.52E+01	2.74E+01
3002	479076.63	3850221.93	17.01404	2.28E+01	2.39E+01	2.61E+01
3003	479126.63	3850221.93	16.31848	2.18E+01	2.30E+01	2.50E+01
3004	479176.63	3850221.93	15.7832	2.11E+01	2.22E+01	2.42E+01
3005	479226.63	3850221.93	15.45456	2.07E+01	2.17E+01	2.37E+01
3006	479276.63	3850221.93	14.93115	2.00E+01	2.10E+01	2.29E+01
3007	479326.63	3850221.93	14.09048	1.89E+01	1.98E+01	2.16E+01
3008	479376.63	3850221.93	13.5555	1.81E+01	1.91E+01	2.08E+01
3009	478676.63	3850271.93	41.21866	5.52E+01	5.80E+01	6.31E+01
3010	478726.63	3850271.93	34.99762	4.68E+01	4.92E+01	5.36E+01
3011	478976.63	3850271.93	21.78763	2.92E+01	3.07E+01	3.34E+01
3012	479026.63	3850271.93	20.05428	2.68E+01	2.82E+01	3.07E+01
3013	479076.63	3850271.93	18.84191	2.52E+01	2.65E+01	2.89E+01
3014	479126.63	3850271.93	17.99878	2.41E+01	2.53E+01	2.76E+01
3015	479176.63	3850271.93	17.08788	2.29E+01	2.40E+01	2.62E+01
3016	479226.63	3850271.93	16.4861	2.21E+01	2.32E+01	2.52E+01
3017	479276.63	3850271.93	16.14263	2.16E+01	2.27E+01	2.47E+01
3018	479326.63	3850271.93	15.59096	2.09E+01	2.19E+01	2.39E+01
3019	479376.63	3850271.93	14.71366	1.97E+01	2.07E+01	2.25E+01
3020	479053.24	3850293.52	20.49968	2.74E+01	2.88E+01	3.14E+01

3021	479103.24	3850293.52	19.1904	2.57E+01	2.70E+01	2.94E+01
3022	479153.24	3850293.52	18.33659	2.45E+01	2.58E+01	2.81E+01
3023	479203.24	3850293.52	17.38963	2.33E+01	2.45E+01	2.66E+01
3024	479253.24	3850293.52	16.7411	2.24E+01	2.36E+01	2.56E+01
3025	479303.24	3850293.52	16.36543	2.19E+01	2.30E+01	2.51E+01
3026	479353.24	3850293.52	15.77063	2.11E+01	2.22E+01	2.41E+01
3027	479153.24	3850343.52	20.33296	2.72E+01	2.86E+01	3.11E+01
3028	479203.24	3850343.52	19.18314	2.57E+01	2.70E+01	2.94E+01
3029	479253.24	3850343.52	18.34257	2.46E+01	2.58E+01	2.81E+01
3030	479303.24	3850343.52	17.51071	2.34E+01	2.46E+01	2.68E+01
3031	479353.24	3850343.52	16.97971	2.27E+01	2.39E+01	2.60E+01
3032	479203.24	3850393.52	21.63958	2.90E+01	3.04E+01	3.31E+01
3033	479253.24	3850393.52	20.25736	2.71E+01	2.85E+01	3.10E+01
3034	479303.24	3850393.52	19.38299	2.59E+01	2.73E+01	2.97E+01
3035	479353.24	3850393.52	18.50675	2.48E+01	2.60E+01	2.83E+01
3036	479403.24	3850393.52	17.67864	2.37E+01	2.49E+01	2.71E+01
3037	479453.24	3850393.52	17.04416	2.28E+01	2.40E+01	2.61E+01
3038	479503.24	3850393.52	16.14406	2.16E+01	2.27E+01	2.47E+01
3039	479303.24	3850443.52	21.84494	2.92E+01	3.07E+01	3.34E+01
3040	479353.24	3850443.52	20.67163	2.77E+01	2.91E+01	3.17E+01
3041	479403.24	3850443.52	19.67831	2.63E+01	2.77E+01	3.01E+01
3042	479453.24	3850443.52	18.51513	2.48E+01	2.61E+01	2.84E+01
3043	479503.24	3850443.52	17.46439	2.34E+01	2.46E+01	2.67E+01
3044	480327.18	3850987.04	25.79838	3.45E+01	3.63E+01	3.95E+01
3045	480377.18	3850987.04	24.83508	3.32E+01	3.49E+01	3.80E+01
3046	480427.18	3850987.04	25.9837	3.48E+01	3.66E+01	3.98E+01
3047	480477.18	3850987.04	26.48663	3.55E+01	3.73E+01	4.06E+01
3048	480327.18	3851037.04	31.11271	4.16E+01	4.38E+01	4.76E+01
3049	480377.18	3851037.04	28.45538	3.81E+01	4.00E+01	4.36E+01
3050	480427.18	3851037.04	26.36996	3.53E+01	3.71E+01	4.04E+01
3051	480477.18	3851037.04	27.1755	3.64E+01	3.82E+01	4.16E+01
3052	480622.06	3851087.39	29.42011	3.94E+01	4.14E+01	4.50E+01
3053	480672.06	3851087.39	27.67401	3.70E+01	3.89E+01	4.24E+01
3054	480622.06	3851137.39	30.8482	4.13E+01	4.34E+01	4.72E+01
3055	480672.06	3851137.39	31.25192	4.18E+01	4.40E+01	4.79E+01
3056	480722.06	3851137.39	29.34338	3.93E+01	4.13E+01	4.49E+01
3057	480622.06	3851187.39	32.97511	4.41E+01	4.64E+01	5.05E+01
3058	480672.06	3851187.39	32.48011	4.35E+01	4.57E+01	4.97E+01
3059	480722.06	3851187.39	32.15479	4.30E+01	4.52E+01	4.92E+01
3060	471363.09	3845877.25	2.50982	3.36E+00	3.53E+00	3.84E+00
3061	471863.09	3845877.25	1.72819	2.31E+00	2.43E+00	2.65E+00
3062	472363.09	3845877.25	2.21764	2.97E+00	3.12E+00	3.40E+00
3063	472863.09	3845877.25	1.26786	1.70E+00	1.78E+00	1.94E+00
3064	473363.09	3845877.25	1.33893	1.79E+00	1.88E+00	2.05E+00
3065	473863.09	3845877.25	1.48163	1.98E+00	2.08E+00	2.27E+00
3066	474363.09	3845877.25	1.7842	2.39E+00	2.51E+00	2.73E+00
3067	474863.09	3845877.25	1.6509	2.21E+00	2.32E+00	2.53E+00
3068	475363.09	3845877.25	1.83368	2.45E+00	2.58E+00	2.81E+00
3069	475863.09	3845877.25	1.60871	2.15E+00	2.26E+00	2.46E+00
3070	476363.09	3845877.25	1.36717	1.83E+00	1.92E+00	2.09E+00
3071	476863.09	3845877.25	1.14296	1.53E+00	1.61E+00	1.75E+00
3072	477363.09	3845877.25	1.0694	1.43E+00	1.50E+00	1.64E+00
3073	477863.09	3845877.25	0.86517	1.16E+00	1.22E+00	1.32E+00
3074	478363.09	3845877.25	0.80314	1.07E+00	1.13E+00	1.23E+00
3075	478863.09	3845877.25	0.70315	9.41E-01	9.89E-01	1.08E+00
3076	479363.09	3845877.25	0.72641	9.72E-01	1.02E+00	1.11E+00
3077	479863.09	3845877.25	0.61783	8.27E-01	8.69E-01	9.46E-01
3078	480363.09	3845877.25	0.54594	7.31E-01	7.68E-01	8.36E-01
3079	480863.09	3845877.25	0.5355	7.17E-01	7.53E-01	8.20E-01
3080	481363.09	3845877.25	0.53896	7.21E-01	7.58E-01	8.25E-01
3081	481863.09	3845877.25	0.4965	6.65E-01	6.99E-01	7.60E-01
3082	482363.09	3845877.25	0.48444	6.48E-01	6.82E-01	7.42E-01
3083	482863.09	3845877.25	0.4259	5.70E-01	5.99E-01	6.52E-01

3084	483363.09	3845877.25	0.39227	5.25E-01	5.52E-01	6.01E-01
3085	483863.09	3845877.25	0.3914	5.24E-01	5.51E-01	5.99E-01
3086	484363.09	3845877.25	0.38652	5.17E-01	5.44E-01	5.92E-01
3087	484863.09	3845877.25	0.39301	5.26E-01	5.53E-01	6.02E-01
3088	485363.09	3845877.25	0.3965	5.31E-01	5.58E-01	6.07E-01
3089	485863.09	3845877.25	0.39544	5.29E-01	5.56E-01	6.05E-01
3090	486363.09	3845877.25	0.38742	5.19E-01	5.45E-01	5.93E-01
3091	486863.09	3845877.25	0.37263	4.99E-01	5.24E-01	5.71E-01
3092	487363.09	3845877.25	0.37541	5.02E-01	5.28E-01	5.75E-01
3093	487863.09	3845877.25	0.3824	5.12E-01	5.38E-01	5.86E-01
3094	488363.09	3845877.25	0.37588	5.03E-01	5.29E-01	5.76E-01
3095	488863.09	3845877.25	0.35346	4.73E-01	4.97E-01	5.41E-01
3096	489363.09	3845877.25	0.35768	4.79E-01	5.03E-01	5.48E-01
3097	489863.09	3845877.25	0.35357	4.73E-01	4.97E-01	5.41E-01
3098	490363.09	3845877.25	0.35733	4.78E-01	5.03E-01	5.47E-01
3099	490863.09	3845877.25	0.36253	4.85E-01	5.10E-01	5.55E-01
3100	491363.09	3845877.25	0.36656	4.91E-01	5.16E-01	5.61E-01
3101	491863.09	3845877.25	0.36811	4.93E-01	5.18E-01	5.64E-01
3102	492363.09	3845877.25	0.36646	4.90E-01	5.16E-01	5.61E-01
3103	492863.09	3845877.25	0.36201	4.85E-01	5.09E-01	5.54E-01
3104	493363.09	3845877.25	0.35594	4.76E-01	5.01E-01	5.45E-01
3105	493863.09	3845877.25	0.34951	4.68E-01	4.92E-01	5.35E-01
3106	494363.09	3845877.25	0.34359	4.60E-01	4.83E-01	5.26E-01
3107	494863.09	3845877.25	0.33845	4.53E-01	4.76E-01	5.18E-01
3108	495363.09	3845877.25	0.33393	4.47E-01	4.70E-01	5.11E-01
3109	495863.09	3845877.25	0.32953	4.41E-01	4.64E-01	5.05E-01
3110	496363.09	3845877.25	0.32406	4.34E-01	4.56E-01	4.96E-01
3111	496863.09	3845877.25	0.31537	4.22E-01	4.44E-01	4.83E-01
3112	497363.09	3845877.25	0.31166	4.17E-01	4.39E-01	4.77E-01
3113	497863.09	3845877.25	0.30654	4.10E-01	4.31E-01	4.69E-01
3114	498363.09	3845877.25	0.30462	4.08E-01	4.29E-01	4.66E-01
3115	471363.09	3846377.25	10.11248	1.35E+01	1.42E+01	1.55E+01
3116	471863.09	3846377.25	7.60941	1.02E+01	1.07E+01	1.17E+01
3117	472363.09	3846377.25	2.31793	3.10E+00	3.26E+00	3.55E+00
3118	472863.09	3846377.25	1.84589	2.47E+00	2.60E+00	2.83E+00
3119	473363.09	3846377.25	1.51255	2.02E+00	2.13E+00	2.32E+00
3120	473863.09	3846377.25	1.7317	2.32E+00	2.44E+00	2.65E+00
3121	474363.09	3846377.25	1.99042	2.66E+00	2.80E+00	3.05E+00
3122	474863.09	3846377.25	2.32758	3.12E+00	3.28E+00	3.56E+00
3123	475363.09	3846377.25	2.17883	2.92E+00	3.07E+00	3.34E+00
3124	475863.09	3846377.25	2.3239	3.11E+00	3.27E+00	3.56E+00
3125	476363.09	3846377.25	1.77703	2.38E+00	2.50E+00	2.72E+00
3126	476863.09	3846377.25	1.47809	1.98E+00	2.08E+00	2.26E+00
3127	477363.09	3846377.25	1.35768	1.82E+00	1.91E+00	2.08E+00
3128	477863.09	3846377.25	1.15913	1.55E+00	1.63E+00	1.77E+00
3129	478363.09	3846377.25	0.9661	1.29E+00	1.36E+00	1.48E+00
3130	478863.09	3846377.25	0.94917	1.27E+00	1.34E+00	1.45E+00
3131	479363.09	3846377.25	0.84978	1.14E+00	1.20E+00	1.30E+00
3132	479863.09	3846377.25	0.80236	1.07E+00	1.13E+00	1.23E+00
3133	480363.09	3846377.25	0.64467	8.63E-01	9.07E-01	9.87E-01
3134	480863.09	3846377.25	0.60699	8.12E-01	8.54E-01	9.29E-01
3135	481363.09	3846377.25	0.622	8.33E-01	8.75E-01	9.52E-01
3136	481863.09	3846377.25	0.57522	7.70E-01	8.09E-01	8.81E-01
3137	482363.09	3846377.25	0.55427	7.42E-01	7.80E-01	8.49E-01
3138	482863.09	3846377.25	0.47138	6.31E-01	6.63E-01	7.22E-01
3139	483363.09	3846377.25	0.47208	6.32E-01	6.64E-01	7.23E-01
3140	483863.09	3846377.25	0.45538	6.09E-01	6.41E-01	6.97E-01
3141	484363.09	3846377.25	0.40824	5.46E-01	5.74E-01	6.25E-01
3142	484863.09	3846377.25	0.45677	6.11E-01	6.43E-01	6.99E-01
3143	485363.09	3846377.25	0.44593	5.97E-01	6.27E-01	6.83E-01
3144	485863.09	3846377.25	0.41981	5.62E-01	5.91E-01	6.43E-01
3145	486363.09	3846377.25	0.4168	5.58E-01	5.86E-01	6.38E-01
3146	486863.09	3846377.25	0.40509	5.42E-01	5.70E-01	6.20E-01

3147	487363.09	3846377.25	0.40979	5.48E-01	5.77E-01	6.27E-01
3148	487863.09	3846377.25	0.4052	5.42E-01	5.70E-01	6.20E-01
3149	488363.09	3846377.25	0.3823	5.12E-01	5.38E-01	5.85E-01
3150	488863.09	3846377.25	0.38655	5.17E-01	5.44E-01	5.92E-01
3151	489363.09	3846377.25	0.39276	5.26E-01	5.53E-01	6.01E-01
3152	489863.09	3846377.25	0.38586	5.16E-01	5.43E-01	5.91E-01
3153	490363.09	3846377.25	0.38605	5.17E-01	5.43E-01	5.91E-01
3154	490863.09	3846377.25	0.38255	5.12E-01	5.38E-01	5.86E-01
3155	491363.09	3846377.25	0.37527	5.02E-01	5.28E-01	5.75E-01
3156	491863.09	3846377.25	0.36551	4.89E-01	5.14E-01	5.60E-01
3157	492363.09	3846377.25	0.35526	4.75E-01	5.00E-01	5.44E-01
3158	492863.09	3846377.25	0.34621	4.63E-01	4.87E-01	5.30E-01
3159	493363.09	3846377.25	0.33913	4.54E-01	4.77E-01	5.19E-01
3160	493863.09	3846377.25	0.33445	4.48E-01	4.71E-01	5.12E-01
3161	494363.09	3846377.25	0.33098	4.43E-01	4.66E-01	5.07E-01
3162	494863.09	3846377.25	0.3276	4.38E-01	4.61E-01	5.02E-01
3163	495363.09	3846377.25	0.32314	4.32E-01	4.55E-01	4.95E-01
3164	495863.09	3846377.25	0.31712	4.24E-01	4.46E-01	4.86E-01
3165	496363.09	3846377.25	0.3166	4.24E-01	4.45E-01	4.85E-01
3166	496863.09	3846377.25	0.31477	4.21E-01	4.43E-01	4.82E-01
3167	497363.09	3846377.25	0.3154	4.22E-01	4.44E-01	4.83E-01
3168	497863.09	3846377.25	0.31564	4.22E-01	4.44E-01	4.83E-01
3169	498363.09	3846377.25	0.31615	4.23E-01	4.45E-01	4.84E-01
3170	471363.09	3846877.25	10.22858	1.37E+01	1.44E+01	1.57E+01
3171	471863.09	3846877.25	12.49954	1.67E+01	1.76E+01	1.91E+01
3172	472363.09	3846877.25	12.2041	1.63E+01	1.72E+01	1.87E+01
3173	472863.09	3846877.25	3.17805	4.25E+00	4.47E+00	4.87E+00
3174	473363.09	3846877.25	2.33085	3.12E+00	3.28E+00	3.57E+00
3175	473863.09	3846877.25	2.29949	3.08E+00	3.24E+00	3.52E+00
3176	474363.09	3846877.25	2.14366	2.87E+00	3.02E+00	3.28E+00
3177	474863.09	3846877.25	2.27822	3.05E+00	3.21E+00	3.49E+00
3178	475363.09	3846877.25	2.31288	3.10E+00	3.25E+00	3.54E+00
3179	475863.09	3846877.25	2.60147	3.48E+00	3.66E+00	3.98E+00
3180	476363.09	3846877.25	2.55437	3.42E+00	3.59E+00	3.91E+00
3181	476863.09	3846877.25	1.97337	2.64E+00	2.78E+00	3.02E+00
3182	477363.09	3846877.25	1.61976	2.17E+00	2.28E+00	2.48E+00
3183	477863.09	3846877.25	1.45592	1.95E+00	2.05E+00	2.23E+00
3184	478363.09	3846877.25	1.25766	1.68E+00	1.77E+00	1.93E+00
3185	478863.09	3846877.25	1.15988	1.55E+00	1.63E+00	1.78E+00
3186	479363.09	3846877.25	1.08785	1.46E+00	1.53E+00	1.67E+00
3187	479863.09	3846877.25	0.73348	9.82E-01	1.03E+00	1.12E+00
3188	480363.09	3846877.25	0.65642	8.79E-01	9.24E-01	1.01E+00
3189	480863.09	3846877.25	0.64391	8.62E-01	9.06E-01	9.86E-01
3190	481363.09	3846877.25	0.65784	8.80E-01	9.26E-01	1.01E+00
3191	481863.09	3846877.25	0.61079	8.17E-01	8.59E-01	9.35E-01
3192	482363.09	3846877.25	0.54279	7.26E-01	7.64E-01	8.31E-01
3193	482863.09	3846877.25	0.51927	6.95E-01	7.31E-01	7.95E-01
3194	483363.09	3846877.25	0.51017	6.83E-01	7.18E-01	7.81E-01
3195	483863.09	3846877.25	0.52039	6.97E-01	7.32E-01	7.97E-01
3196	484363.09	3846877.25	0.53199	7.12E-01	7.49E-01	8.15E-01
3197	484863.09	3846877.25	0.51019	6.83E-01	7.18E-01	7.81E-01
3198	485363.09	3846877.25	0.50108	6.71E-01	7.05E-01	7.67E-01
3199	485863.09	3846877.25	0.46631	6.24E-01	6.56E-01	7.14E-01
3200	486363.09	3846877.25	0.47781	6.40E-01	6.72E-01	7.32E-01
3201	486863.09	3846877.25	0.44769	5.99E-01	6.30E-01	6.85E-01
3202	487363.09	3846877.25	0.44363	5.94E-01	6.24E-01	6.79E-01
3203	487863.09	3846877.25	0.41386	5.54E-01	5.82E-01	6.34E-01
3204	488363.09	3846877.25	0.40833	5.47E-01	5.75E-01	6.25E-01
3205	488863.09	3846877.25	0.40246	5.39E-01	5.66E-01	6.16E-01
3206	489363.09	3846877.25	0.40044	5.36E-01	5.63E-01	6.13E-01
3207	489863.09	3846877.25	0.37995	5.09E-01	5.35E-01	5.82E-01
3208	490363.09	3846877.25	0.37265	4.99E-01	5.24E-01	5.71E-01
3209	490863.09	3846877.25	0.36662	4.91E-01	5.16E-01	5.61E-01

3210	491363.09	3846877.25	0.36088	4.83E-01	5.08E-01	5.53E-01
3211	491863.09	3846877.25	0.35681	4.78E-01	5.02E-01	5.46E-01
3212	492363.09	3846877.25	0.35477	4.75E-01	4.99E-01	5.43E-01
3213	492863.09	3846877.25	0.35559	4.76E-01	5.00E-01	5.44E-01
3214	493363.09	3846877.25	0.35749	4.78E-01	5.03E-01	5.47E-01
3215	493863.09	3846877.25	0.35947	4.81E-01	5.06E-01	5.50E-01
3216	494363.09	3846877.25	0.3604	4.82E-01	5.07E-01	5.52E-01
3217	494863.09	3846877.25	0.35777	4.79E-01	5.03E-01	5.48E-01
3218	495363.09	3846877.25	0.35468	4.75E-01	4.99E-01	5.43E-01
3219	495863.09	3846877.25	0.35211	4.71E-01	4.95E-01	5.39E-01
3220	496363.09	3846877.25	0.35613	4.77E-01	5.01E-01	5.45E-01
3221	496863.09	3846877.25	0.36705	4.91E-01	5.16E-01	5.62E-01
3222	497363.09	3846877.25	0.37712	5.05E-01	5.31E-01	5.77E-01
3223	497863.09	3846877.25	0.38756	5.19E-01	5.45E-01	5.93E-01
3224	498363.09	3846877.25	0.38484	5.15E-01	5.41E-01	5.89E-01
3225	471363.09	3847377.25	8.74509	1.17E+01	1.23E+01	1.34E+01
3226	471863.09	3847377.25	11.12435	1.49E+01	1.57E+01	1.70E+01
3227	472363.09	3847377.25	13.61693	1.82E+01	1.92E+01	2.09E+01
3228	472863.09	3847377.25	18.52795	2.48E+01	2.61E+01	2.84E+01
3229	473363.09	3847377.25	8.76338	1.17E+01	1.23E+01	1.34E+01
3230	473863.09	3847377.25	4.2917	5.74E+00	6.04E+00	6.57E+00
3231	474363.09	3847377.25	3.60531	4.83E+00	5.07E+00	5.52E+00
3232	474863.09	3847377.25	2.6744	3.58E+00	3.76E+00	4.10E+00
3233	475363.09	3847377.25	2.28498	3.06E+00	3.22E+00	3.50E+00
3234	475863.09	3847377.25	3.03946	4.07E+00	4.28E+00	4.65E+00
3235	476363.09	3847377.25	3.68207	4.93E+00	5.18E+00	5.64E+00
3236	476863.09	3847377.25	2.93732	3.93E+00	4.13E+00	4.50E+00
3237	477363.09	3847377.25	2.39443	3.20E+00	3.37E+00	3.67E+00
3238	477863.09	3847377.25	1.74962	2.34E+00	2.46E+00	2.68E+00
3239	478363.09	3847377.25	1.71064	2.29E+00	2.41E+00	2.62E+00
3240	478863.09	3847377.25	1.56481	2.09E+00	2.20E+00	2.40E+00
3241	479363.09	3847377.25	1.09735	1.47E+00	1.54E+00	1.68E+00
3242	479863.09	3847377.25	0.76632	1.03E+00	1.08E+00	1.17E+00
3243	480363.09	3847377.25	0.64796	8.67E-01	9.12E-01	9.92E-01
3244	480863.09	3847377.25	0.56368	7.54E-01	7.93E-01	8.63E-01
3245	481363.09	3847377.25	0.63259	8.47E-01	8.90E-01	9.69E-01
3246	481863.09	3847377.25	0.67996	9.10E-01	9.57E-01	1.04E+00
3247	482363.09	3847377.25	0.70059	9.38E-01	9.86E-01	1.07E+00
3248	482863.09	3847377.25	0.66227	8.86E-01	9.32E-01	1.01E+00
3249	483363.09	3847377.25	0.61267	8.20E-01	8.62E-01	9.38E-01
3250	483863.09	3847377.25	0.6072	8.13E-01	8.54E-01	9.30E-01
3251	484363.09	3847377.25	0.61103	8.18E-01	8.60E-01	9.36E-01
3252	484863.09	3847377.25	0.5766	7.72E-01	8.11E-01	8.83E-01
3253	485363.09	3847377.25	0.55039	7.37E-01	7.74E-01	8.43E-01
3254	485863.09	3847377.25	0.54626	7.31E-01	7.69E-01	8.36E-01
3255	486363.09	3847377.25	0.54355	7.28E-01	7.65E-01	8.32E-01
3256	486863.09	3847377.25	0.50072	6.70E-01	7.05E-01	7.67E-01
3257	487363.09	3847377.25	0.47698	6.38E-01	6.71E-01	7.30E-01
3258	487863.09	3847377.25	0.47638	6.38E-01	6.70E-01	7.29E-01
3259	488363.09	3847377.25	0.48123	6.44E-01	6.77E-01	7.37E-01
3260	488863.09	3847377.25	0.47895	6.41E-01	6.74E-01	7.33E-01
3261	489363.09	3847377.25	0.48371	6.47E-01	6.81E-01	7.41E-01
3262	489863.09	3847377.25	0.45094	6.04E-01	6.34E-01	6.90E-01
3263	490363.09	3847377.25	0.42438	5.68E-01	5.97E-01	6.50E-01
3264	490863.09	3847377.25	0.4221	5.65E-01	5.94E-01	6.46E-01
3265	491363.09	3847377.25	0.42193	5.65E-01	5.94E-01	6.46E-01
3266	491863.09	3847377.25	0.42311	5.66E-01	5.95E-01	6.48E-01
3267	492363.09	3847377.25	0.42517	5.69E-01	5.98E-01	6.51E-01
3268	492863.09	3847377.25	0.42827	5.73E-01	6.03E-01	6.56E-01
3269	493363.09	3847377.25	0.4311	5.77E-01	6.07E-01	6.60E-01
3270	493863.09	3847377.25	0.43307	5.80E-01	6.09E-01	6.63E-01
3271	494363.09	3847377.25	0.4327	5.79E-01	6.09E-01	6.63E-01
3272	494863.09	3847377.25	0.42868	5.74E-01	6.03E-01	6.56E-01

3273	495363.09	3847377.25	0.42931	5.75E-01	6.04E-01	6.57E-01
3274	495863.09	3847377.25	0.42951	5.75E-01	6.04E-01	6.58E-01
3275	496363.09	3847377.25	0.42929	5.75E-01	6.04E-01	6.57E-01
3276	496863.09	3847377.25	0.42872	5.74E-01	6.03E-01	6.56E-01
3277	497363.09	3847377.25	0.42782	5.73E-01	6.02E-01	6.55E-01
3278	497863.09	3847377.25	0.44645	5.98E-01	6.28E-01	6.84E-01
3279	498363.09	3847377.25	0.44569	5.97E-01	6.27E-01	6.82E-01
3280	471363.09	3847877.25	7.30519	9.78E+00	1.03E+01	1.12E+01
3281	471863.09	3847877.25	8.91761	1.19E+01	1.25E+01	1.37E+01
3282	472363.09	3847877.25	10.03694	1.34E+01	1.41E+01	1.54E+01
3283	472863.09	3847877.25	13.48675	1.81E+01	1.90E+01	2.07E+01
3284	473363.09	3847877.25	18.50674	2.48E+01	2.60E+01	2.83E+01
3285	473863.09	3847877.25	59.26297	7.93E+01	8.34E+01	9.07E+01
3286	474363.09	3847877.25	6.77862	9.07E+00	9.54E+00	1.04E+01
3287	474863.09	3847877.25	6.24524	8.36E+00	8.79E+00	9.56E+00
3288	475363.09	3847877.25	3.23712	4.33E+00	4.55E+00	4.96E+00
3289	475863.09	3847877.25	2.47476	3.31E+00	3.48E+00	3.79E+00
3290	476363.09	3847877.25	4.1396	5.54E+00	5.82E+00	6.34E+00
3291	476863.09	3847877.25	4.32704	5.79E+00	6.09E+00	6.63E+00
3292	477363.09	3847877.25	3.77884	5.06E+00	5.32E+00	5.79E+00
3293	477863.09	3847877.25	2.9388	3.93E+00	4.14E+00	4.50E+00
3294	478363.09	3847877.25	2.21099	2.96E+00	3.11E+00	3.39E+00
3295	478863.09	3847877.25	2.02265	2.71E+00	2.85E+00	3.10E+00
3296	479363.09	3847877.25	1.1776	1.58E+00	1.66E+00	1.80E+00
3297	479863.09	3847877.25	0.76576	1.02E+00	1.08E+00	1.17E+00
3298	480363.09	3847877.25	0.82932	1.11E+00	1.17E+00	1.27E+00
3299	480863.09	3847877.25	0.7504	1.00E+00	1.06E+00	1.15E+00
3300	481363.09	3847877.25	0.77279	1.03E+00	1.09E+00	1.18E+00
3301	481863.09	3847877.25	0.8954	1.20E+00	1.26E+00	1.37E+00
3302	482363.09	3847877.25	0.85155	1.14E+00	1.20E+00	1.30E+00
3303	482863.09	3847877.25	0.77333	1.04E+00	1.09E+00	1.18E+00
3304	483363.09	3847877.25	0.69154	9.26E-01	9.73E-01	1.06E+00
3305	483863.09	3847877.25	0.6663	8.92E-01	9.38E-01	1.02E+00
3306	484363.09	3847877.25	0.67452	9.03E-01	9.49E-01	1.03E+00
3307	484863.09	3847877.25	0.65196	8.73E-01	9.17E-01	9.98E-01
3308	485363.09	3847877.25	0.65135	8.72E-01	9.16E-01	9.97E-01
3309	485863.09	3847877.25	0.65743	8.80E-01	9.25E-01	1.01E+00
3310	486363.09	3847877.25	0.66365	8.88E-01	9.34E-01	1.02E+00
3311	486863.09	3847877.25	0.65219	8.73E-01	9.18E-01	9.99E-01
3312	487363.09	3847877.25	0.63175	8.46E-01	8.89E-01	9.67E-01
3313	487863.09	3847877.25	0.59799	8.00E-01	8.41E-01	9.16E-01
3314	488363.09	3847877.25	0.61197	8.19E-01	8.61E-01	9.37E-01
3315	488863.09	3847877.25	0.61081	8.18E-01	8.59E-01	9.35E-01
3316	489363.09	3847877.25	0.61072	8.17E-01	8.59E-01	9.35E-01
3317	489863.09	3847877.25	0.61146	8.18E-01	8.60E-01	9.36E-01
3318	490363.09	3847877.25	0.5814	7.78E-01	8.18E-01	8.90E-01
3319	490863.09	3847877.25	0.56026	7.50E-01	7.88E-01	8.58E-01
3320	491363.09	3847877.25	0.51789	6.93E-01	7.29E-01	7.93E-01
3321	491863.09	3847877.25	0.51206	6.85E-01	7.20E-01	7.84E-01
3322	492363.09	3847877.25	0.51234	6.86E-01	7.21E-01	7.84E-01
3323	492863.09	3847877.25	0.51154	6.85E-01	7.20E-01	7.83E-01
3324	493363.09	3847877.25	0.50814	6.80E-01	7.15E-01	7.78E-01
3325	493863.09	3847877.25	0.49926	6.68E-01	7.02E-01	7.64E-01
3326	494363.09	3847877.25	0.4964	6.64E-01	6.98E-01	7.60E-01
3327	494863.09	3847877.25	0.49314	6.60E-01	6.94E-01	7.55E-01
3328	495363.09	3847877.25	0.48957	6.55E-01	6.89E-01	7.50E-01
3329	495863.09	3847877.25	0.48576	6.50E-01	6.83E-01	7.44E-01
3330	496363.09	3847877.25	0.48176	6.45E-01	6.78E-01	7.38E-01
3331	496863.09	3847877.25	0.47761	6.39E-01	6.72E-01	7.31E-01
3332	497363.09	3847877.25	0.47329	6.33E-01	6.66E-01	7.25E-01
3333	497863.09	3847877.25	0.48381	6.48E-01	6.81E-01	7.41E-01
3334	498363.09	3847877.25	0.52746	7.06E-01	7.42E-01	8.08E-01
3335	471363.09	3848377.25	5.81828	7.79E+00	8.19E+00	8.91E+00

3336	471863.09	3848377.25	6.69131	8.96E+00	9.42E+00	1.02E+01
3337	472363.09	3848377.25	7.7627	1.04E+01	1.09E+01	1.19E+01
3338	472863.09	3848377.25	9.35154	1.25E+01	1.32E+01	1.43E+01
3339	473363.09	3848377.25	13.40439	1.79E+01	1.89E+01	2.05E+01
3340	473863.09	3848377.25	18.20929	2.44E+01	2.56E+01	2.79E+01
3341	474363.09	3848377.25	35.11266	4.70E+01	4.94E+01	5.38E+01
3342	474863.09	3848377.25	12.55383	1.68E+01	1.77E+01	1.92E+01
3343	475363.09	3848377.25	13.4068	1.79E+01	1.89E+01	2.05E+01
3344	475863.09	3848377.25	5.38226	7.20E+00	7.57E+00	8.24E+00
3345	476363.09	3848377.25	3.04663	4.08E+00	4.29E+00	4.66E+00
3346	476863.09	3848377.25	5.26799	7.05E+00	7.41E+00	8.07E+00
3347	477363.09	3848377.25	4.87332	6.52E+00	6.86E+00	7.46E+00
3348	477863.09	3848377.25	4.45687	5.97E+00	6.27E+00	6.82E+00
3349	478363.09	3848377.25	3.57663	4.79E+00	5.03E+00	5.48E+00
3350	478863.09	3848377.25	2.69891	3.61E+00	3.80E+00	4.13E+00
3351	479363.09	3848377.25	1.51523	2.03E+00	2.13E+00	2.32E+00
3352	479863.09	3848377.25	0.70666	9.46E-01	9.94E-01	1.08E+00
3353	480363.09	3848377.25	0.83421	1.12E+00	1.17E+00	1.28E+00
3354	480863.09	3848377.25	1.15112	1.54E+00	1.62E+00	1.76E+00
3355	481363.09	3848377.25	1.13069	1.51E+00	1.59E+00	1.73E+00
3356	481863.09	3848377.25	1.16574	1.56E+00	1.64E+00	1.78E+00
3357	482363.09	3848377.25	1.15752	1.55E+00	1.63E+00	1.77E+00
3358	482863.09	3848377.25	0.90192	1.21E+00	1.27E+00	1.38E+00
3359	483363.09	3848377.25	0.89163	1.19E+00	1.25E+00	1.37E+00
3360	483863.09	3848377.25	0.84662	1.13E+00	1.19E+00	1.30E+00
3361	484363.09	3848377.25	0.85283	1.14E+00	1.20E+00	1.31E+00
3362	484863.09	3848377.25	0.87002	1.16E+00	1.22E+00	1.33E+00
3363	485363.09	3848377.25	0.85934	1.15E+00	1.21E+00	1.32E+00
3364	485863.09	3848377.25	0.85578	1.15E+00	1.20E+00	1.31E+00
3365	486363.09	3848377.25	0.85105	1.14E+00	1.20E+00	1.30E+00
3366	486863.09	3848377.25	0.84976	1.14E+00	1.20E+00	1.30E+00
3367	487363.09	3848377.25	0.76845	1.03E+00	1.08E+00	1.18E+00
3368	487863.09	3848377.25	0.73605	9.85E-01	1.04E+00	1.13E+00
3369	488363.09	3848377.25	0.74786	1.00E+00	1.05E+00	1.15E+00
3370	488863.09	3848377.25	0.74264	9.94E-01	1.04E+00	1.14E+00
3371	489363.09	3848377.25	0.74311	9.95E-01	1.05E+00	1.14E+00
3372	489863.09	3848377.25	0.73624	9.85E-01	1.04E+00	1.13E+00
3373	490363.09	3848377.25	0.705	9.44E-01	9.92E-01	1.08E+00
3374	490863.09	3848377.25	0.68131	9.12E-01	9.59E-01	1.04E+00
3375	491363.09	3848377.25	0.63083	8.44E-01	8.88E-01	9.66E-01
3376	491863.09	3848377.25	0.58201	7.79E-01	8.19E-01	8.91E-01
3377	492363.09	3848377.25	0.55656	7.45E-01	7.83E-01	8.52E-01
3378	492863.09	3848377.25	0.54408	7.28E-01	7.66E-01	8.33E-01
3379	493363.09	3848377.25	0.53672	7.18E-01	7.55E-01	8.22E-01
3380	493863.09	3848377.25	0.53126	7.11E-01	7.48E-01	8.13E-01
3381	494363.09	3848377.25	0.52595	7.04E-01	7.40E-01	8.05E-01
3382	494863.09	3848377.25	0.5208	6.97E-01	7.33E-01	7.97E-01
3383	495363.09	3848377.25	0.51578	6.90E-01	7.26E-01	7.90E-01
3384	495863.09	3848377.25	0.51084	6.84E-01	7.19E-01	7.82E-01
3385	496363.09	3848377.25	0.50588	6.77E-01	7.12E-01	7.75E-01
3386	496863.09	3848377.25	0.50082	6.70E-01	7.05E-01	7.67E-01
3387	497363.09	3848377.25	0.49812	6.67E-01	7.01E-01	7.63E-01
3388	497863.09	3848377.25	0.55488	7.43E-01	7.81E-01	8.50E-01
3389	498363.09	3848377.25	0.56442	7.55E-01	7.94E-01	8.64E-01
3390	471363.09	3848877.25	4.51087	6.04E+00	6.35E+00	6.91E+00
3391	471863.09	3848877.25	4.90013	6.56E+00	6.89E+00	7.50E+00
3392	472363.09	3848877.25	5.53526	7.41E+00	7.79E+00	8.48E+00
3393	472863.09	3848877.25	6.44288	8.62E+00	9.07E+00	9.87E+00
3394	473363.09	3848877.25	7.90211	1.06E+01	1.11E+01	1.21E+01
3395	473863.09	3848877.25	10.22363	1.37E+01	1.44E+01	1.57E+01
3396	474363.09	3848877.25	15.93037	2.13E+01	2.24E+01	2.44E+01
3397	474863.09	3848877.25	37.47041	5.02E+01	5.27E+01	5.74E+01
3398	475363.09	3848877.25	26.31939	3.52E+01	3.70E+01	4.03E+01

3399	475863.09	3848877.25	27.33659	3.66E+01	3.85E+01	4.19E+01
3400	476363.09	3848877.25	12.58943	1.69E+01	1.77E+01	1.93E+01
3401	476863.09	3848877.25	5.55648	7.44E+00	7.82E+00	8.51E+00
3402	477363.09	3848877.25	7.72329	1.03E+01	1.09E+01	1.18E+01
3403	477863.09	3848877.25	6.90995	9.25E+00	9.72E+00	1.06E+01
3404	478363.09	3848877.25	5.96654	7.99E+00	8.40E+00	9.14E+00
3405	478863.09	3848877.25	4.73443	6.34E+00	6.66E+00	7.25E+00
3406	479363.09	3848877.25	3.52361	4.72E+00	4.96E+00	5.40E+00
3407	479863.09	3848877.25	2.20312	2.95E+00	3.10E+00	3.37E+00
3408	480363.09	3848877.25	2.28541	3.06E+00	3.22E+00	3.50E+00
3409	480863.09	3848877.25	2.33656	3.13E+00	3.29E+00	3.58E+00
3410	481363.09	3848877.25	2.06888	2.77E+00	2.91E+00	3.17E+00
3411	481863.09	3848877.25	1.56564	2.10E+00	2.20E+00	2.40E+00
3412	482363.09	3848877.25	1.12766	1.51E+00	1.59E+00	1.73E+00
3413	482863.09	3848877.25	1.03176	1.38E+00	1.45E+00	1.58E+00
3414	483363.09	3848877.25	1.01102	1.35E+00	1.42E+00	1.55E+00
3415	483863.09	3848877.25	0.98985	1.32E+00	1.39E+00	1.52E+00
3416	484363.09	3848877.25	0.9793	1.31E+00	1.38E+00	1.50E+00
3417	484863.09	3848877.25	1.07814	1.44E+00	1.52E+00	1.65E+00
3418	485363.09	3848877.25	1.02312	1.37E+00	1.44E+00	1.57E+00
3419	485863.09	3848877.25	0.96811	1.30E+00	1.36E+00	1.48E+00
3420	486363.09	3848877.25	0.91972	1.23E+00	1.29E+00	1.41E+00
3421	486863.09	3848877.25	0.89977	1.20E+00	1.27E+00	1.38E+00
3422	487363.09	3848877.25	0.88276	1.18E+00	1.24E+00	1.35E+00
3423	487863.09	3848877.25	0.8264	1.11E+00	1.16E+00	1.27E+00
3424	488363.09	3848877.25	0.81217	1.09E+00	1.14E+00	1.24E+00
3425	488863.09	3848877.25	0.80106	1.07E+00	1.13E+00	1.23E+00
3426	489363.09	3848877.25	0.79568	1.06E+00	1.12E+00	1.22E+00
3427	489863.09	3848877.25	0.78844	1.06E+00	1.11E+00	1.21E+00
3428	490363.09	3848877.25	0.74851	1.00E+00	1.05E+00	1.15E+00
3429	490863.09	3848877.25	0.71281	9.54E-01	1.00E+00	1.09E+00
3430	491363.09	3848877.25	0.64692	8.66E-01	9.10E-01	9.91E-01
3431	491863.09	3848877.25	0.57459	7.69E-01	8.08E-01	8.80E-01
3432	492363.09	3848877.25	0.55135	7.38E-01	7.76E-01	8.44E-01
3433	492863.09	3848877.25	0.54513	7.30E-01	7.67E-01	8.35E-01
3434	493363.09	3848877.25	0.53925	7.22E-01	7.59E-01	8.26E-01
3435	493863.09	3848877.25	0.53366	7.14E-01	7.51E-01	8.17E-01
3436	494363.09	3848877.25	0.52822	7.07E-01	7.43E-01	8.09E-01
3437	494863.09	3848877.25	0.52282	7.00E-01	7.36E-01	8.01E-01
3438	495363.09	3848877.25	0.51731	6.92E-01	7.28E-01	7.92E-01
3439	495863.09	3848877.25	0.51156	6.85E-01	7.20E-01	7.83E-01
3440	496363.09	3848877.25	0.50548	6.77E-01	7.11E-01	7.74E-01
3441	496863.09	3848877.25	0.50007	6.69E-01	7.04E-01	7.66E-01
3442	497363.09	3848877.25	0.51751	6.93E-01	7.28E-01	7.92E-01
3443	497863.09	3848877.25	0.54605	7.31E-01	7.68E-01	8.36E-01
3444	498363.09	3848877.25	0.57116	7.64E-01	8.04E-01	8.75E-01
3445	471363.09	3849377.25	3.36409	4.50E+00	4.73E+00	5.15E+00
3446	471863.09	3849377.25	3.47426	4.65E+00	4.89E+00	5.32E+00
3447	472363.09	3849377.25	3.66312	4.90E+00	5.15E+00	5.61E+00
3448	472863.09	3849377.25	4.07902	5.46E+00	5.74E+00	6.25E+00
3449	473363.09	3849377.25	4.77021	6.38E+00	6.71E+00	7.30E+00
3450	473863.09	3849377.25	5.86407	7.85E+00	8.25E+00	8.98E+00
3451	474363.09	3849377.25	7.1831	9.61E+00	1.01E+01	1.10E+01
3452	474863.09	3849377.25	8.42125	1.13E+01	1.18E+01	1.29E+01
3453	475363.09	3849377.25	11.04067	1.48E+01	1.55E+01	1.69E+01
3454	475863.09	3849377.25	18.88698	2.53E+01	2.66E+01	2.89E+01
3455	476363.09	3849377.25	22.02959	2.95E+01	3.10E+01	3.37E+01
3456	476863.09	3849377.25	37.49891	5.02E+01	5.28E+01	5.74E+01
3457	477363.09	3849377.25	16.99627	2.27E+01	2.39E+01	2.60E+01
3458	477863.09	3849377.25	11.13532	1.49E+01	1.57E+01	1.71E+01
3459	478363.09	3849377.25	8.56238	1.15E+01	1.20E+01	1.31E+01
3460	478863.09	3849377.25	6.75965	9.05E+00	9.51E+00	1.04E+01
3461	479363.09	3849377.25	5.67135	7.59E+00	7.98E+00	8.68E+00

3462	479863.09	3849377.25	4.09283	5.48E+00	5.76E+00	6.27E+00
3463	480363.09	3849377.25	4.05257	5.42E+00	5.70E+00	6.21E+00
3464	480863.09	3849377.25	3.37761	4.52E+00	4.75E+00	5.17E+00
3465	481363.09	3849377.25	2.50635	3.35E+00	3.53E+00	3.84E+00
3466	481863.09	3849377.25	1.25136	1.67E+00	1.76E+00	1.92E+00
3467	482363.09	3849377.25	1.03157	1.38E+00	1.45E+00	1.58E+00
3468	482863.09	3849377.25	0.95331	1.28E+00	1.34E+00	1.46E+00
3469	483363.09	3849377.25	0.90031	1.20E+00	1.27E+00	1.38E+00
3470	483863.09	3849377.25	0.85931	1.15E+00	1.21E+00	1.32E+00
3471	484363.09	3849377.25	0.93996	1.26E+00	1.32E+00	1.44E+00
3472	484863.09	3849377.25	1.17747	1.58E+00	1.66E+00	1.80E+00
3473	485363.09	3849377.25	1.12809	1.51E+00	1.59E+00	1.73E+00
3474	485863.09	3849377.25	0.8801	1.18E+00	1.24E+00	1.35E+00
3475	486363.09	3849377.25	0.81342	1.09E+00	1.14E+00	1.25E+00
3476	486863.09	3849377.25	0.85298	1.14E+00	1.20E+00	1.31E+00
3477	487363.09	3849377.25	0.85069	1.14E+00	1.20E+00	1.30E+00
3478	487863.09	3849377.25	0.83257	1.11E+00	1.17E+00	1.27E+00
3479	488363.09	3849377.25	0.84384	1.13E+00	1.19E+00	1.29E+00
3480	488863.09	3849377.25	0.82072	1.10E+00	1.15E+00	1.26E+00
3481	489363.09	3849377.25	0.79905	1.07E+00	1.12E+00	1.22E+00
3482	489863.09	3849377.25	0.78382	1.05E+00	1.10E+00	1.20E+00
3483	490363.09	3849377.25	0.73454	9.83E-01	1.03E+00	1.12E+00
3484	490863.09	3849377.25	0.70821	9.48E-01	9.96E-01	1.08E+00
3485	491363.09	3849377.25	0.62891	8.42E-01	8.85E-01	9.63E-01
3486	491863.09	3849377.25	0.5601	7.50E-01	7.88E-01	8.58E-01
3487	492363.09	3849377.25	0.53362	7.14E-01	7.51E-01	8.17E-01
3488	492863.09	3849377.25	0.52906	7.08E-01	7.44E-01	8.10E-01
3489	493363.09	3849377.25	0.5244	7.02E-01	7.38E-01	8.03E-01
3490	493863.09	3849377.25	0.51946	6.95E-01	7.31E-01	7.95E-01
3491	494363.09	3849377.25	0.51407	6.88E-01	7.23E-01	7.87E-01
3492	494863.09	3849377.25	0.50813	6.80E-01	7.15E-01	7.78E-01
3493	495363.09	3849377.25	0.50159	6.71E-01	7.06E-01	7.68E-01
3494	495863.09	3849377.25	0.49447	6.62E-01	6.96E-01	7.57E-01
3495	496363.09	3849377.25	0.48688	6.52E-01	6.85E-01	7.46E-01
3496	496863.09	3849377.25	0.50105	6.71E-01	7.05E-01	7.67E-01
3497	497363.09	3849377.25	0.52747	7.06E-01	7.42E-01	8.08E-01
3498	497863.09	3849377.25	0.61436	8.22E-01	8.64E-01	9.41E-01
3499	498363.09	3849377.25	0.56304	7.54E-01	7.92E-01	8.62E-01
3500	471363.09	3849877.25	2.54833	3.41E+00	3.59E+00	3.90E+00
3501	471863.09	3849877.25	3.32317	4.45E+00	4.68E+00	5.09E+00
3502	472363.09	3849877.25	3.23144	4.33E+00	4.55E+00	4.95E+00
3503	472863.09	3849877.25	3.35349	4.49E+00	4.72E+00	5.13E+00
3504	473363.09	3849877.25	3.63426	4.86E+00	5.11E+00	5.56E+00
3505	473863.09	3849877.25	3.90101	5.22E+00	5.49E+00	5.97E+00
3506	474363.09	3849877.25	4.19213	5.61E+00	5.90E+00	6.42E+00
3507	474863.09	3849877.25	4.69312	6.28E+00	6.60E+00	7.19E+00
3508	475363.09	3849877.25	5.42147	7.26E+00	7.63E+00	8.30E+00
3509	475863.09	3849877.25	7.82594	1.05E+01	1.10E+01	1.20E+01
3510	476363.09	3849877.25	9.23258	1.24E+01	1.30E+01	1.41E+01
3511	476863.09	3849877.25	10.27739	1.38E+01	1.45E+01	1.57E+01
3512	477363.09	3849877.25	18.21819	2.44E+01	2.56E+01	2.79E+01
3513	477863.09	3849877.25	39.98514	5.35E+01	5.63E+01	6.12E+01
3514	478363.09	3849877.25	16.022	2.14E+01	2.25E+01	2.45E+01
3515	478863.09	3849877.25	11.06103	1.48E+01	1.56E+01	1.69E+01
3516	479363.09	3849877.25	8.39707	1.12E+01	1.18E+01	1.29E+01
3517	479863.09	3849877.25	6.49818	8.70E+00	9.14E+00	9.95E+00
3518	480363.09	3849877.25	5.6514	7.56E+00	7.95E+00	8.65E+00
3519	480863.09	3849877.25	4.45205	5.96E+00	6.26E+00	6.82E+00
3520	481363.09	3849877.25	3.55437	4.76E+00	5.00E+00	5.44E+00
3521	481863.09	3849877.25	1.42522	1.91E+00	2.01E+00	2.18E+00
3522	482363.09	3849877.25	1.0874	1.46E+00	1.53E+00	1.67E+00
3523	482863.09	3849877.25	1.03239	1.38E+00	1.45E+00	1.58E+00
3524	483363.09	3849877.25	0.94424	1.26E+00	1.33E+00	1.45E+00

3525	483863.09	3849877.25	0.92151	1.23E+00	1.30E+00	1.41E+00
3526	484363.09	3849877.25	1.06341	1.42E+00	1.50E+00	1.63E+00
3527	484863.09	3849877.25	1.81707	2.43E+00	2.56E+00	2.78E+00
3528	485363.09	3849877.25	1.54039	2.06E+00	2.17E+00	2.36E+00
3529	485863.09	3849877.25	1.12855	1.51E+00	1.59E+00	1.73E+00
3530	486363.09	3849877.25	0.98056	1.31E+00	1.38E+00	1.50E+00
3531	486863.09	3849877.25	1.10773	1.48E+00	1.56E+00	1.70E+00
3532	487363.09	3849877.25	1.0511	1.41E+00	1.48E+00	1.61E+00
3533	487863.09	3849877.25	0.97032	1.30E+00	1.37E+00	1.49E+00
3534	488363.09	3849877.25	0.92831	1.24E+00	1.31E+00	1.42E+00
3535	488863.09	3849877.25	0.89632	1.20E+00	1.26E+00	1.37E+00
3536	489363.09	3849877.25	0.85444	1.14E+00	1.20E+00	1.31E+00
3537	489863.09	3849877.25	0.81504	1.09E+00	1.15E+00	1.25E+00
3538	490363.09	3849877.25	0.7724	1.03E+00	1.09E+00	1.18E+00
3539	490863.09	3849877.25	0.73696	9.86E-01	1.04E+00	1.13E+00
3540	491363.09	3849877.25	0.6689	8.95E-01	9.41E-01	1.02E+00
3541	491863.09	3849877.25	0.56721	7.59E-01	7.98E-01	8.69E-01
3542	492363.09	3849877.25	0.5333	7.14E-01	7.50E-01	8.17E-01
3543	492863.09	3849877.25	0.52231	6.99E-01	7.35E-01	8.00E-01
3544	493363.09	3849877.25	0.51454	6.89E-01	7.24E-01	7.88E-01
3545	493863.09	3849877.25	0.50594	6.77E-01	7.12E-01	7.75E-01
3546	494363.09	3849877.25	0.49659	6.65E-01	6.99E-01	7.60E-01
3547	494863.09	3849877.25	0.50763	6.79E-01	7.14E-01	7.77E-01
3548	495363.09	3849877.25	0.47644	6.38E-01	6.70E-01	7.30E-01
3549	495863.09	3849877.25	0.4922	6.59E-01	6.93E-01	7.54E-01
3550	496363.09	3849877.25	0.5129	6.86E-01	7.22E-01	7.85E-01
3551	496863.09	3849877.25	0.52486	7.02E-01	7.39E-01	8.04E-01
3552	497363.09	3849877.25	0.56645	7.58E-01	7.97E-01	8.67E-01
3553	497863.09	3849877.25	0.59612	7.98E-01	8.39E-01	9.13E-01
3554	498363.09	3849877.25	0.55348	7.41E-01	7.79E-01	8.47E-01
3555	471363.09	3850377.25	1.00389	1.34E+00	1.41E+00	1.54E+00
3556	471863.09	3850377.25	1.91501	2.56E+00	2.69E+00	2.93E+00
3557	472363.09	3850377.25	2.451	3.28E+00	3.45E+00	3.75E+00
3558	472863.09	3850377.25	2.84772	3.81E+00	4.01E+00	4.36E+00
3559	473363.09	3850377.25	2.87934	3.85E+00	4.05E+00	4.41E+00
3560	473863.09	3850377.25	3.07832	4.12E+00	4.33E+00	4.71E+00
3561	474363.09	3850377.25	3.40372	4.56E+00	4.79E+00	5.21E+00
3562	474863.09	3850377.25	3.70861	4.96E+00	5.22E+00	5.68E+00
3563	475363.09	3850377.25	3.77892	5.06E+00	5.32E+00	5.79E+00
3564	475863.09	3850377.25	4.63587	6.20E+00	6.52E+00	7.10E+00
3565	476363.09	3850377.25	5.58431	7.47E+00	7.86E+00	8.55E+00
3566	476863.09	3850377.25	6.18938	8.28E+00	8.71E+00	9.48E+00
3567	477363.09	3850377.25	7.15631	9.58E+00	1.01E+01	1.10E+01
3568	477863.09	3850377.25	9.82326	1.31E+01	1.38E+01	1.50E+01
3569	478363.09	3850377.25	18.36962	2.46E+01	2.58E+01	2.81E+01
3570	478863.09	3850377.25	44.82706	6.00E+01	6.31E+01	6.86E+01
3571	479363.09	3850377.25	17.74463	2.37E+01	2.50E+01	2.72E+01
3572	479863.09	3850377.25	13.48936	1.81E+01	1.90E+01	2.07E+01
3573	480363.09	3850377.25	8.05181	1.08E+01	1.13E+01	1.23E+01
3574	480863.09	3850377.25	6.35932	8.51E+00	8.95E+00	9.74E+00
3575	481363.09	3850377.25	4.94	6.61E+00	6.95E+00	7.56E+00
3576	481863.09	3850377.25	3.85907	5.17E+00	5.43E+00	5.91E+00
3577	482363.09	3850377.25	3.23188	4.33E+00	4.55E+00	4.95E+00
3578	482863.09	3850377.25	1.73089	2.32E+00	2.44E+00	2.65E+00
3579	483363.09	3850377.25	1.28342	1.72E+00	1.81E+00	1.97E+00
3580	483863.09	3850377.25	1.29868	1.74E+00	1.83E+00	1.99E+00
3581	484363.09	3850377.25	1.72558	2.31E+00	2.43E+00	2.64E+00
3582	484863.09	3850377.25	2.10208	2.81E+00	2.96E+00	3.22E+00
3583	485363.09	3850377.25	2.01332	2.69E+00	2.83E+00	3.08E+00
3584	485863.09	3850377.25	1.65133	2.21E+00	2.32E+00	2.53E+00
3585	486363.09	3850377.25	1.54475	2.07E+00	2.17E+00	2.37E+00
3586	486863.09	3850377.25	1.48201	1.98E+00	2.09E+00	2.27E+00
3587	487363.09	3850377.25	1.30155	1.74E+00	1.83E+00	1.99E+00

3588	487863.09	3850377.25	1.2255	1.64E+00	1.72E+00	1.88E+00
3589	488363.09	3850377.25	1.132	1.52E+00	1.59E+00	1.73E+00
3590	488863.09	3850377.25	1.06167	1.42E+00	1.49E+00	1.63E+00
3591	489363.09	3850377.25	0.98499	1.32E+00	1.39E+00	1.51E+00
3592	489863.09	3850377.25	0.88733	1.19E+00	1.25E+00	1.36E+00
3593	490363.09	3850377.25	0.81554	1.09E+00	1.15E+00	1.25E+00
3594	490863.09	3850377.25	0.76704	1.03E+00	1.08E+00	1.17E+00
3595	491363.09	3850377.25	0.72772	9.74E-01	1.02E+00	1.11E+00
3596	491863.09	3850377.25	0.59106	7.91E-01	8.32E-01	9.05E-01
3597	492363.09	3850377.25	0.5455	7.30E-01	7.68E-01	8.35E-01
3598	492863.09	3850377.25	0.53002	7.09E-01	7.46E-01	8.12E-01
3599	493363.09	3850377.25	0.49749	6.66E-01	7.00E-01	7.62E-01
3600	493863.09	3850377.25	0.49265	6.59E-01	6.93E-01	7.54E-01
3601	494363.09	3850377.25	0.50395	6.74E-01	7.09E-01	7.72E-01
3602	494863.09	3850377.25	0.5107	6.84E-01	7.19E-01	7.82E-01
3603	495363.09	3850377.25	0.52258	6.99E-01	7.35E-01	8.00E-01
3604	495863.09	3850377.25	0.50064	6.70E-01	7.04E-01	7.67E-01
3605	496363.09	3850377.25	0.52976	7.09E-01	7.45E-01	8.11E-01
3606	496863.09	3850377.25	0.59808	8.00E-01	8.42E-01	9.16E-01
3607	497363.09	3850377.25	0.62596	8.38E-01	8.81E-01	9.58E-01
3608	497863.09	3850377.25	0.57439	7.69E-01	8.08E-01	8.79E-01
3609	498363.09	3850377.25	0.54171	7.25E-01	7.62E-01	8.29E-01
3610	471363.09	3850877.25	1.07591	1.44E+00	1.51E+00	1.65E+00
3611	471863.09	3850877.25	1.41263	1.89E+00	1.99E+00	2.16E+00
3612	472363.09	3850877.25	2.03778	2.73E+00	2.87E+00	3.12E+00
3613	472863.09	3850877.25	2.36496	3.17E+00	3.33E+00	3.62E+00
3614	473363.09	3850877.25	2.12266	2.84E+00	2.99E+00	3.25E+00
3615	473863.09	3850877.25	2.4314	3.25E+00	3.42E+00	3.72E+00
3616	474363.09	3850877.25	2.59716	3.48E+00	3.65E+00	3.98E+00
3617	474863.09	3850877.25	2.77929	3.72E+00	3.91E+00	4.26E+00
3618	475363.09	3850877.25	3.07288	4.11E+00	4.32E+00	4.71E+00
3619	475863.09	3850877.25	3.36616	4.51E+00	4.74E+00	5.15E+00
3620	476363.09	3850877.25	3.87405	5.19E+00	5.45E+00	5.93E+00
3621	476863.09	3850877.25	4.31771	5.78E+00	6.08E+00	6.61E+00
3622	477363.09	3850877.25	4.65151	6.23E+00	6.54E+00	7.12E+00
3623	477863.09	3850877.25	5.33441	7.14E+00	7.51E+00	8.17E+00
3624	478363.09	3850877.25	6.69923	8.97E+00	9.43E+00	1.03E+01
3625	478863.09	3850877.25	9.05075	1.21E+01	1.27E+01	1.39E+01
3626	479363.09	3850877.25	15.38195	2.06E+01	2.16E+01	2.36E+01
3627	479863.09	3850877.25	52.14448	6.98E+01	7.34E+01	7.98E+01
3628	480363.09	3850877.25	24.02271	3.22E+01	3.38E+01	3.68E+01
3629	480863.09	3850877.25	11.98307	1.60E+01	1.69E+01	1.83E+01
3630	481363.09	3850877.25	7.46809	1.00E+01	1.05E+01	1.14E+01
3631	481863.09	3850877.25	6.78423	9.08E+00	9.55E+00	1.04E+01
3632	482363.09	3850877.25	5.3796	7.20E+00	7.57E+00	8.24E+00
3633	482863.09	3850877.25	4.19366	5.61E+00	5.90E+00	6.42E+00
3634	483363.09	3850877.25	2.75713	3.69E+00	3.88E+00	4.22E+00
3635	483863.09	3850877.25	2.5158	3.37E+00	3.54E+00	3.85E+00
3636	484363.09	3850877.25	2.66812	3.57E+00	3.75E+00	4.09E+00
3637	484863.09	3850877.25	2.5419	3.40E+00	3.58E+00	3.89E+00
3638	485363.09	3850877.25	2.49162	3.33E+00	3.51E+00	3.82E+00
3639	485863.09	3850877.25	2.02598	2.71E+00	2.85E+00	3.10E+00
3640	486363.09	3850877.25	2.03102	2.72E+00	2.86E+00	3.11E+00
3641	486863.09	3850877.25	1.85718	2.49E+00	2.61E+00	2.84E+00
3642	487363.09	3850877.25	1.63752	2.19E+00	2.30E+00	2.51E+00
3643	487863.09	3850877.25	1.48707	1.99E+00	2.09E+00	2.28E+00
3644	488363.09	3850877.25	1.32346	1.77E+00	1.86E+00	2.03E+00
3645	488863.09	3850877.25	1.13401	1.52E+00	1.60E+00	1.74E+00
3646	489363.09	3850877.25	1.05327	1.41E+00	1.48E+00	1.61E+00
3647	489863.09	3850877.25	0.966	1.29E+00	1.36E+00	1.48E+00
3648	490363.09	3850877.25	0.90826	1.22E+00	1.28E+00	1.39E+00
3649	490863.09	3850877.25	0.85677	1.15E+00	1.21E+00	1.31E+00
3650	491363.09	3850877.25	0.78693	1.05E+00	1.11E+00	1.20E+00

3651	491863.09	3850877.25	0.65922	8.82E-01	9.28E-01	1.01E+00
3652	492363.09	3850877.25	0.59741	8.00E-01	8.41E-01	9.15E-01
3653	492863.09	3850877.25	0.5583	7.47E-01	7.86E-01	8.55E-01
3654	493363.09	3850877.25	0.54396	7.28E-01	7.65E-01	8.33E-01
3655	493863.09	3850877.25	0.54529	7.30E-01	7.67E-01	8.35E-01
3656	494363.09	3850877.25	0.53553	7.17E-01	7.54E-01	8.20E-01
3657	494863.09	3850877.25	0.56093	7.51E-01	7.89E-01	8.59E-01
3658	495363.09	3850877.25	0.61236	8.20E-01	8.62E-01	9.38E-01
3659	495863.09	3850877.25	0.5873	7.86E-01	8.26E-01	8.99E-01
3660	496363.09	3850877.25	0.6189	8.28E-01	8.71E-01	9.48E-01
3661	496863.09	3850877.25	0.68355	9.15E-01	9.62E-01	1.05E+00
3662	497363.09	3850877.25	0.66043	8.84E-01	9.29E-01	1.01E+00
3663	497863.09	3850877.25	0.61708	8.26E-01	8.68E-01	9.45E-01
3664	498363.09	3850877.25	0.54248	7.26E-01	7.63E-01	8.31E-01
3665	471363.09	3851377.25	1.0593	1.42E+00	1.49E+00	1.62E+00
3666	471863.09	3851377.25	1.60774	2.15E+00	2.26E+00	2.46E+00
3667	472363.09	3851377.25	1.59629	2.14E+00	2.25E+00	2.44E+00
3668	472863.09	3851377.25	1.60731	2.15E+00	2.26E+00	2.46E+00
3669	473363.09	3851377.25	1.39716	1.87E+00	1.97E+00	2.14E+00
3670	473863.09	3851377.25	1.59908	2.14E+00	2.25E+00	2.45E+00
3671	474363.09	3851377.25	1.9561	2.62E+00	2.75E+00	3.00E+00
3672	474863.09	3851377.25	2.41916	3.24E+00	3.40E+00	3.70E+00
3673	475363.09	3851377.25	2.65625	3.56E+00	3.74E+00	4.07E+00
3674	475863.09	3851377.25	2.80315	3.75E+00	3.94E+00	4.29E+00
3675	476363.09	3851377.25	3.09799	4.15E+00	4.36E+00	4.74E+00
3676	476863.09	3851377.25	3.47162	4.65E+00	4.88E+00	5.32E+00
3677	477363.09	3851377.25	3.48895	4.67E+00	4.91E+00	5.34E+00
3678	477863.09	3851377.25	3.77342	5.05E+00	5.31E+00	5.78E+00
3679	478363.09	3851377.25	4.15277	5.56E+00	5.84E+00	6.36E+00
3680	478863.09	3851377.25	4.85739	6.50E+00	6.83E+00	7.44E+00
3681	479363.09	3851377.25	5.91063	7.91E+00	8.32E+00	9.05E+00
3682	479863.09	3851377.25	8.03316	1.08E+01	1.13E+01	1.23E+01
3683	480363.09	3851377.25	15.10049	2.02E+01	2.12E+01	2.31E+01
3684	480863.09	3851377.25	56.30941	7.54E+01	7.92E+01	8.62E+01
3685	481363.09	3851377.25	15.51817	2.08E+01	2.18E+01	2.38E+01
3686	481863.09	3851377.25	9.92889	1.33E+01	1.40E+01	1.52E+01
3687	482363.09	3851377.25	7.81265	1.05E+01	1.10E+01	1.20E+01
3688	482863.09	3851377.25	6.24562	8.36E+00	8.79E+00	9.56E+00
3689	483363.09	3851377.25	4.47723	5.99E+00	6.30E+00	6.86E+00
3690	483863.09	3851377.25	3.48133	4.66E+00	4.90E+00	5.33E+00
3691	484363.09	3851377.25	4.1752	5.59E+00	5.87E+00	6.39E+00
3692	484863.09	3851377.25	3.01585	4.04E+00	4.24E+00	4.62E+00
3693	485363.09	3851377.25	3.36757	4.51E+00	4.74E+00	5.16E+00
3694	485863.09	3851377.25	2.72326	3.64E+00	3.83E+00	4.17E+00
3695	486363.09	3851377.25	2.52322	3.38E+00	3.55E+00	3.86E+00
3696	486863.09	3851377.25	2.26292	3.03E+00	3.18E+00	3.46E+00
3697	487363.09	3851377.25	1.86524	2.50E+00	2.62E+00	2.86E+00
3698	487863.09	3851377.25	1.83462	2.46E+00	2.58E+00	2.81E+00
3699	488363.09	3851377.25	1.68386	2.25E+00	2.37E+00	2.58E+00
3700	488863.09	3851377.25	1.49708	2.00E+00	2.11E+00	2.29E+00
3701	489363.09	3851377.25	1.34068	1.79E+00	1.89E+00	2.05E+00
3702	489863.09	3851377.25	1.15338	1.54E+00	1.62E+00	1.77E+00
3703	490363.09	3851377.25	0.98967	1.32E+00	1.39E+00	1.52E+00
3704	490863.09	3851377.25	0.88106	1.18E+00	1.24E+00	1.35E+00
3705	491363.09	3851377.25	0.81751	1.09E+00	1.15E+00	1.25E+00
3706	491863.09	3851377.25	0.71703	9.60E-01	1.01E+00	1.10E+00
3707	492363.09	3851377.25	0.65767	8.80E-01	9.25E-01	1.01E+00
3708	492863.09	3851377.25	0.63127	8.45E-01	8.88E-01	9.67E-01
3709	493363.09	3851377.25	0.55551	7.44E-01	7.82E-01	8.51E-01
3710	493863.09	3851377.25	0.56503	7.56E-01	7.95E-01	8.65E-01
3711	494363.09	3851377.25	0.60895	8.15E-01	8.57E-01	9.32E-01
3712	494863.09	3851377.25	0.60299	8.07E-01	8.48E-01	9.23E-01
3713	495363.09	3851377.25	0.74708	1.00E+00	1.05E+00	1.14E+00

3714	495863.09	3851377.25	0.77064	1.03E+00	1.08E+00	1.18E+00
3715	496363.09	3851377.25	0.76913	1.03E+00	1.08E+00	1.18E+00
3716	496863.09	3851377.25	0.74977	1.00E+00	1.05E+00	1.15E+00
3717	497363.09	3851377.25	0.7168	9.59E-01	1.01E+00	1.10E+00
3718	497863.09	3851377.25	0.67022	8.97E-01	9.43E-01	1.03E+00
3719	498363.09	3851377.25	0.5565	7.45E-01	7.83E-01	8.52E-01
3720	471363.09	3851877.25	1.10808	1.48E+00	1.56E+00	1.70E+00
3721	471863.09	3851877.25	1.0291	1.38E+00	1.45E+00	1.58E+00
3722	472363.09	3851877.25	1.23144	1.65E+00	1.73E+00	1.89E+00
3723	472863.09	3851877.25	1.4395	1.93E+00	2.03E+00	2.20E+00
3724	473363.09	3851877.25	1.274	1.71E+00	1.79E+00	1.95E+00
3725	473863.09	3851877.25	1.39249	1.86E+00	1.96E+00	2.13E+00
3726	474363.09	3851877.25	1.68547	2.26E+00	2.37E+00	2.58E+00
3727	474863.09	3851877.25	1.81476	2.43E+00	2.55E+00	2.78E+00
3728	475363.09	3851877.25	2.08084	2.79E+00	2.93E+00	3.19E+00
3729	475863.09	3851877.25	2.28348	3.06E+00	3.21E+00	3.50E+00
3730	476363.09	3851877.25	2.27381	3.04E+00	3.20E+00	3.48E+00
3731	476863.09	3851877.25	2.79394	3.74E+00	3.93E+00	4.28E+00
3732	477363.09	3851877.25	2.9789	3.99E+00	4.19E+00	4.56E+00
3733	477863.09	3851877.25	3.13358	4.19E+00	4.41E+00	4.80E+00
3734	478363.09	3851877.25	3.20831	4.29E+00	4.51E+00	4.91E+00
3735	478863.09	3851877.25	3.64103	4.87E+00	5.12E+00	5.58E+00
3736	479363.09	3851877.25	3.83104	5.13E+00	5.39E+00	5.87E+00
3737	479863.09	3851877.25	4.39411	5.88E+00	6.18E+00	6.73E+00
3738	480363.09	3851877.25	5.73974	7.68E+00	8.08E+00	8.79E+00
3739	480863.09	3851877.25	8.17691	1.09E+01	1.15E+01	1.25E+01
3740	481363.09	3851877.25	22.98566	3.08E+01	3.23E+01	3.52E+01
3741	481863.09	3851877.25	27.95682	3.74E+01	3.93E+01	4.28E+01
3742	482363.09	3851877.25	14.62627	1.96E+01	2.06E+01	2.24E+01
3743	482863.09	3851877.25	8.6012	1.15E+01	1.21E+01	1.32E+01
3744	483363.09	3851877.25	7.55369	1.01E+01	1.06E+01	1.16E+01
3745	483863.09	3851877.25	5.67479	7.60E+00	7.98E+00	8.69E+00
3746	484363.09	3851877.25	5.31121	7.11E+00	7.47E+00	8.13E+00
3747	484863.09	3851877.25	4.62278	6.19E+00	6.50E+00	7.08E+00
3748	485363.09	3851877.25	4.12257	5.52E+00	5.80E+00	6.31E+00
3749	485863.09	3851877.25	3.83923	5.14E+00	5.40E+00	5.88E+00
3750	486363.09	3851877.25	3.34258	4.47E+00	4.70E+00	5.12E+00
3751	486863.09	3851877.25	3.06041	4.10E+00	4.31E+00	4.69E+00
3752	487363.09	3851877.25	2.6681	3.57E+00	3.75E+00	4.09E+00
3753	487863.09	3851877.25	2.19092	2.93E+00	3.08E+00	3.35E+00
3754	488363.09	3851877.25	1.97843	2.65E+00	2.78E+00	3.03E+00
3755	488863.09	3851877.25	1.62344	2.17E+00	2.28E+00	2.49E+00
3756	489363.09	3851877.25	1.36439	1.83E+00	1.92E+00	2.09E+00
3757	489863.09	3851877.25	1.17663	1.57E+00	1.66E+00	1.80E+00
3758	490363.09	3851877.25	1.06257	1.42E+00	1.50E+00	1.63E+00
3759	490863.09	3851877.25	0.99876	1.34E+00	1.41E+00	1.53E+00
3760	491363.09	3851877.25	0.94296	1.26E+00	1.33E+00	1.44E+00
3761	491863.09	3851877.25	0.87496	1.17E+00	1.23E+00	1.34E+00
3762	492363.09	3851877.25	0.80251	1.07E+00	1.13E+00	1.23E+00
3763	492863.09	3851877.25	0.63519	8.50E-01	8.94E-01	9.73E-01
3764	493363.09	3851877.25	0.67472	9.03E-01	9.49E-01	1.03E+00
3765	493863.09	3851877.25	0.79301	1.06E+00	1.12E+00	1.21E+00
3766	494363.09	3851877.25	0.74261	9.94E-01	1.04E+00	1.14E+00
3767	494863.09	3851877.25	0.83119	1.11E+00	1.17E+00	1.27E+00
3768	495363.09	3851877.25	0.86924	1.16E+00	1.22E+00	1.33E+00
3769	495863.09	3851877.25	0.8595	1.15E+00	1.21E+00	1.32E+00
3770	496363.09	3851877.25	0.79801	1.07E+00	1.12E+00	1.22E+00
3771	496863.09	3851877.25	0.74703	1.00E+00	1.05E+00	1.14E+00
3772	497363.09	3851877.25	0.70413	9.42E-01	9.91E-01	1.08E+00
3773	497863.09	3851877.25	0.59812	8.01E-01	8.42E-01	9.16E-01
3774	498363.09	3851877.25	0.53728	7.19E-01	7.56E-01	8.23E-01
3775	471363.09	3852377.25	0.81184	1.09E+00	1.14E+00	1.24E+00
3776	471863.09	3852377.25	1.01824	1.36E+00	1.43E+00	1.56E+00

3777	472363.09	3852377.25	1.13481	1.52E+00	1.60E+00	1.74E+00
3778	472863.09	3852377.25	1.20111	1.61E+00	1.69E+00	1.84E+00
3779	473363.09	3852377.25	1.23073	1.65E+00	1.73E+00	1.88E+00
3780	473863.09	3852377.25	1.34636	1.80E+00	1.89E+00	2.06E+00
3781	474363.09	3852377.25	1.5077	2.02E+00	2.12E+00	2.31E+00
3782	474863.09	3852377.25	1.61711	2.16E+00	2.28E+00	2.48E+00
3783	475363.09	3852377.25	1.83286	2.45E+00	2.58E+00	2.81E+00
3784	475863.09	3852377.25	1.99509	2.67E+00	2.81E+00	3.05E+00
3785	476363.09	3852377.25	2.32922	3.12E+00	3.28E+00	3.57E+00
3786	476863.09	3852377.25	2.66063	3.56E+00	3.74E+00	4.07E+00
3787	477363.09	3852377.25	2.80923	3.76E+00	3.95E+00	4.30E+00
3788	477863.09	3852377.25	3.59511	4.81E+00	5.06E+00	5.50E+00
3789	478363.09	3852377.25	3.42742	4.59E+00	4.82E+00	5.25E+00
3790	478863.09	3852377.25	3.46691	4.64E+00	4.88E+00	5.31E+00
3791	479363.09	3852377.25	3.34237	4.47E+00	4.70E+00	5.12E+00
3792	479863.09	3852377.25	3.09279	4.14E+00	4.35E+00	4.74E+00
3793	480363.09	3852377.25	3.88329	5.20E+00	5.46E+00	5.95E+00
3794	480863.09	3852377.25	4.94973	6.62E+00	6.96E+00	7.58E+00
3795	481363.09	3852377.25	7.31099	9.79E+00	1.03E+01	1.12E+01
3796	481863.09	3852377.25	24.26689	3.25E+01	3.41E+01	3.72E+01
3797	482363.09	3852377.25	22.41703	3.00E+01	3.15E+01	3.43E+01
3798	482863.09	3852377.25	17.59191	2.35E+01	2.48E+01	2.69E+01
3799	483363.09	3852377.25	12.09036	1.62E+01	1.70E+01	1.85E+01
3800	483863.09	3852377.25	8.73669	1.17E+01	1.23E+01	1.34E+01
3801	484363.09	3852377.25	7.73718	1.04E+01	1.09E+01	1.18E+01
3802	484863.09	3852377.25	6.28569	8.41E+00	8.84E+00	9.62E+00
3803	485363.09	3852377.25	5.2668	7.05E+00	7.41E+00	8.06E+00
3804	485863.09	3852377.25	4.66663	6.25E+00	6.57E+00	7.15E+00
3805	486363.09	3852377.25	3.90608	5.23E+00	5.50E+00	5.98E+00
3806	486863.09	3852377.25	3.37669	4.52E+00	4.75E+00	5.17E+00
3807	487363.09	3852377.25	2.77056	3.71E+00	3.90E+00	4.24E+00
3808	487863.09	3852377.25	2.334	3.12E+00	3.28E+00	3.57E+00
3809	488363.09	3852377.25	1.91927	2.57E+00	2.70E+00	2.94E+00
3810	488863.09	3852377.25	1.47546	1.97E+00	2.08E+00	2.26E+00
3811	489363.09	3852377.25	1.20808	1.62E+00	1.70E+00	1.85E+00
3812	489863.09	3852377.25	1.00879	1.35E+00	1.42E+00	1.54E+00
3813	490363.09	3852377.25	1.07519	1.44E+00	1.51E+00	1.65E+00
3814	490863.09	3852377.25	1.08905	1.46E+00	1.53E+00	1.67E+00
3815	491363.09	3852377.25	1.30728	1.75E+00	1.84E+00	2.00E+00
3816	491863.09	3852377.25	1.24991	1.67E+00	1.76E+00	1.91E+00
3817	492363.09	3852377.25	1.18958	1.59E+00	1.67E+00	1.82E+00
3818	492863.09	3852377.25	1.21938	1.63E+00	1.72E+00	1.87E+00
3819	493363.09	3852377.25	1.29824	1.74E+00	1.83E+00	1.99E+00
3820	493863.09	3852377.25	1.18074	1.58E+00	1.66E+00	1.81E+00
3821	494363.09	3852377.25	1.06973	1.43E+00	1.51E+00	1.64E+00
3822	494863.09	3852377.25	1.08961	1.46E+00	1.53E+00	1.67E+00
3823	495363.09	3852377.25	1.11368	1.49E+00	1.57E+00	1.71E+00
3824	495863.09	3852377.25	1.00193	1.34E+00	1.41E+00	1.53E+00
3825	496363.09	3852377.25	0.88298	1.18E+00	1.24E+00	1.35E+00
3826	496863.09	3852377.25	0.82082	1.10E+00	1.15E+00	1.26E+00
3827	497363.09	3852377.25	0.65908	8.82E-01	9.27E-01	1.01E+00
3828	497863.09	3852377.25	0.55868	7.48E-01	7.86E-01	8.55E-01
3829	498363.09	3852377.25	0.50997	6.83E-01	7.18E-01	7.81E-01
3830	471363.09	3852877.25	0.8291	1.11E+00	1.17E+00	1.27E+00
3831	471863.09	3852877.25	0.99795	1.34E+00	1.40E+00	1.53E+00
3832	472363.09	3852877.25	1.08112	1.45E+00	1.52E+00	1.66E+00
3833	472863.09	3852877.25	1.14055	1.53E+00	1.60E+00	1.75E+00
3834	473363.09	3852877.25	1.19264	1.60E+00	1.68E+00	1.83E+00
3835	473863.09	3852877.25	1.35307	1.81E+00	1.90E+00	2.07E+00
3836	474363.09	3852877.25	1.46283	1.96E+00	2.06E+00	2.24E+00
3837	474863.09	3852877.25	1.50438	2.01E+00	2.12E+00	2.30E+00
3838	475363.09	3852877.25	1.71265	2.29E+00	2.41E+00	2.62E+00
3839	475863.09	3852877.25	1.83541	2.46E+00	2.58E+00	2.81E+00

3840	476363.09	3852877.25	2.09602	2.81E+00	2.95E+00	3.21E+00
3841	476863.09	3852877.25	2.07547	2.78E+00	2.92E+00	3.18E+00
3842	477363.09	3852877.25	2.46057	3.29E+00	3.46E+00	3.77E+00
3843	477863.09	3852877.25	1.84189	2.47E+00	2.59E+00	2.82E+00
3844	478363.09	3852877.25	1.07501	1.44E+00	1.51E+00	1.65E+00
3845	478863.09	3852877.25	1.85112	2.48E+00	2.60E+00	2.83E+00
3846	479363.09	3852877.25	3.25097	4.35E+00	4.57E+00	4.98E+00
3847	479863.09	3852877.25	3.05995	4.10E+00	4.31E+00	4.69E+00
3848	480363.09	3852877.25	3.00835	4.03E+00	4.23E+00	4.61E+00
3849	480863.09	3852877.25	3.83729	5.14E+00	5.40E+00	5.88E+00
3850	481363.09	3852877.25	4.57328	6.12E+00	6.43E+00	7.00E+00
3851	481863.09	3852877.25	6.7634	9.05E+00	9.52E+00	1.04E+01
3852	482363.09	3852877.25	24.30946	3.25E+01	3.42E+01	3.72E+01
3853	482863.09	3852877.25	17.65216	2.36E+01	2.48E+01	2.70E+01
3854	483363.09	3852877.25	15.15841	2.03E+01	2.13E+01	2.32E+01
3855	483863.09	3852877.25	12.58215	1.68E+01	1.77E+01	1.93E+01
3856	484363.09	3852877.25	10.77132	1.44E+01	1.52E+01	1.65E+01
3857	484863.09	3852877.25	8.98141	1.20E+01	1.26E+01	1.38E+01
3858	485363.09	3852877.25	6.71883	8.99E+00	9.45E+00	1.03E+01
3859	485863.09	3852877.25	5.60664	7.50E+00	7.89E+00	8.58E+00
3860	486363.09	3852877.25	4.39171	5.88E+00	6.18E+00	6.72E+00
3861	486863.09	3852877.25	3.41556	4.57E+00	4.81E+00	5.23E+00
3862	487363.09	3852877.25	2.52816	3.38E+00	3.56E+00	3.87E+00
3863	487863.09	3852877.25	2.13567	2.86E+00	3.01E+00	3.27E+00
3864	488363.09	3852877.25	0.991	1.33E+00	1.39E+00	1.52E+00
3865	488863.09	3852877.25	1.04898	1.40E+00	1.48E+00	1.61E+00
3866	489363.09	3852877.25	1.05458	1.41E+00	1.48E+00	1.61E+00
3867	489863.09	3852877.25	1.01859	1.36E+00	1.43E+00	1.56E+00
3868	490363.09	3852877.25	1.58378	2.12E+00	2.23E+00	2.43E+00
3869	490863.09	3852877.25	1.77852	2.38E+00	2.50E+00	2.72E+00
3870	491363.09	3852877.25	1.84306	2.47E+00	2.59E+00	2.82E+00
3871	491863.09	3852877.25	1.76244	2.36E+00	2.48E+00	2.70E+00
3872	492363.09	3852877.25	1.71974	2.30E+00	2.42E+00	2.63E+00
3873	492863.09	3852877.25	1.71012	2.29E+00	2.41E+00	2.62E+00
3874	493363.09	3852877.25	1.61252	2.16E+00	2.27E+00	2.47E+00
3875	493863.09	3852877.25	1.50955	2.02E+00	2.12E+00	2.31E+00
3876	494363.09	3852877.25	1.47048	1.97E+00	2.07E+00	2.25E+00
3877	494863.09	3852877.25	1.44543	1.93E+00	2.03E+00	2.21E+00
3878	495363.09	3852877.25	1.31431	1.76E+00	1.85E+00	2.01E+00
3879	495863.09	3852877.25	1.17595	1.57E+00	1.65E+00	1.80E+00
3880	496363.09	3852877.25	1.09465	1.47E+00	1.54E+00	1.68E+00
3881	496863.09	3852877.25	0.97128	1.30E+00	1.37E+00	1.49E+00
3882	497363.09	3852877.25	0.73289	9.81E-01	1.03E+00	1.12E+00
3883	497863.09	3852877.25	0.5227	7.00E-01	7.35E-01	8.00E-01
3884	498363.09	3852877.25	0.48674	6.51E-01	6.85E-01	7.45E-01
3885	471363.09	3853377.25	0.87892	1.18E+00	1.24E+00	1.35E+00
3886	471863.09	3853377.25	0.94903	1.27E+00	1.34E+00	1.45E+00
3887	472363.09	3853377.25	1.01522	1.36E+00	1.43E+00	1.55E+00
3888	472863.09	3853377.25	1.06668	1.43E+00	1.50E+00	1.63E+00
3889	473363.09	3853377.25	1.14351	1.53E+00	1.61E+00	1.75E+00
3890	473863.09	3853377.25	1.25862	1.68E+00	1.77E+00	1.93E+00
3891	474363.09	3853377.25	1.36324	1.82E+00	1.92E+00	2.09E+00
3892	474863.09	3853377.25	1.37555	1.84E+00	1.94E+00	2.11E+00
3893	475363.09	3853377.25	1.45868	1.95E+00	2.05E+00	2.23E+00
3894	475863.09	3853377.25	1.54894	2.07E+00	2.18E+00	2.37E+00
3895	476363.09	3853377.25	1.5546	2.08E+00	2.19E+00	2.38E+00
3896	476863.09	3853377.25	1.35163	1.81E+00	1.90E+00	2.07E+00
3897	477363.09	3853377.25	1.34222	1.80E+00	1.89E+00	2.06E+00
3898	477863.09	3853377.25	1.50546	2.01E+00	2.12E+00	2.31E+00
3899	478363.09	3853377.25	0.95364	1.28E+00	1.34E+00	1.46E+00
3900	478863.09	3853377.25	0.59725	7.99E-01	8.40E-01	9.15E-01
3901	479363.09	3853377.25	1.89298	2.53E+00	2.66E+00	2.90E+00
3902	479863.09	3853377.25	2.98804	4.00E+00	4.20E+00	4.58E+00

3903	480363.09	3853377.25	2.85919	3.83E+00	4.02E+00	4.38E+00
3904	480863.09	3853377.25	3.08373	4.13E+00	4.34E+00	4.72E+00
3905	481363.09	3853377.25	2.99255	4.01E+00	4.21E+00	4.58E+00
3906	481863.09	3853377.25	4.1443	5.55E+00	5.83E+00	6.35E+00
3907	482363.09	3853377.25	6.74315	9.03E+00	9.49E+00	1.03E+01
3908	482863.09	3853377.25	35.72192	4.78E+01	5.03E+01	5.47E+01
3909	483363.09	3853377.25	14.87556	1.99E+01	2.09E+01	2.28E+01
3910	483863.09	3853377.25	12.24713	1.64E+01	1.72E+01	1.88E+01
3911	484363.09	3853377.25	11.82374	1.58E+01	1.66E+01	1.81E+01
3912	484863.09	3853377.25	10.72772	1.44E+01	1.51E+01	1.64E+01
3913	485363.09	3853377.25	7.62373	1.02E+01	1.07E+01	1.17E+01
3914	485863.09	3853377.25	4.59918	6.16E+00	6.47E+00	7.04E+00
3915	486363.09	3853377.25	4.20491	5.63E+00	5.92E+00	6.44E+00
3916	486863.09	3853377.25	3.51403	4.70E+00	4.94E+00	5.38E+00
3917	487363.09	3853377.25	3.58125	4.79E+00	5.04E+00	5.48E+00
3918	487863.09	3853377.25	3.35777	4.49E+00	4.72E+00	5.14E+00
3919	488363.09	3853377.25	2.94548	3.94E+00	4.14E+00	4.51E+00
3920	488863.09	3853377.25	2.58671	3.46E+00	3.64E+00	3.96E+00
3921	489363.09	3853377.25	2.48973	3.33E+00	3.50E+00	3.81E+00
3922	489863.09	3853377.25	2.18234	2.92E+00	3.07E+00	3.34E+00
3923	490363.09	3853377.25	2.19102	2.93E+00	3.08E+00	3.35E+00
3924	490863.09	3853377.25	2.15034	2.88E+00	3.03E+00	3.29E+00
3925	491363.09	3853377.25	2.16353	2.90E+00	3.04E+00	3.31E+00
3926	491863.09	3853377.25	2.12124	2.84E+00	2.98E+00	3.25E+00
3927	492363.09	3853377.25	2.18448	2.92E+00	3.07E+00	3.34E+00
3928	492863.09	3853377.25	2.16142	2.89E+00	3.04E+00	3.31E+00
3929	493363.09	3853377.25	2.03353	2.72E+00	2.86E+00	3.11E+00
3930	493863.09	3853377.25	1.93035	2.58E+00	2.72E+00	2.96E+00
3931	494363.09	3853377.25	1.80273	2.41E+00	2.54E+00	2.76E+00
3932	494863.09	3853377.25	1.6463	2.20E+00	2.32E+00	2.52E+00
3933	495363.09	3853377.25	1.50645	2.02E+00	2.12E+00	2.31E+00
3934	495863.09	3853377.25	1.34703	1.80E+00	1.90E+00	2.06E+00
3935	496363.09	3853377.25	1.18592	1.59E+00	1.67E+00	1.82E+00
3936	496863.09	3853377.25	0.948	1.27E+00	1.33E+00	1.45E+00
3937	497363.09	3853377.25	0.73301	9.81E-01	1.03E+00	1.12E+00
3938	497863.09	3853377.25	0.44897	6.01E-01	6.32E-01	6.87E-01
3939	498363.09	3853377.25	0.42692	5.71E-01	6.01E-01	6.54E-01
3940	471363.09	3853877.25	0.86695	1.16E+00	1.22E+00	1.33E+00
3941	471863.09	3853877.25	0.9367	1.25E+00	1.32E+00	1.43E+00
3942	472363.09	3853877.25	0.95061	1.27E+00	1.34E+00	1.46E+00
3943	472863.09	3853877.25	0.96728	1.29E+00	1.36E+00	1.48E+00
3944	473363.09	3853877.25	1.08606	1.45E+00	1.53E+00	1.66E+00
3945	473863.09	3853877.25	1.1733	1.57E+00	1.65E+00	1.80E+00
3946	474363.09	3853877.25	1.28056	1.71E+00	1.80E+00	1.96E+00
3947	474863.09	3853877.25	1.31569	1.76E+00	1.85E+00	2.01E+00
3948	475363.09	3853877.25	1.34636	1.80E+00	1.89E+00	2.06E+00
3949	475863.09	3853877.25	1.11714	1.50E+00	1.57E+00	1.71E+00
3950	476363.09	3853877.25	0.82882	1.11E+00	1.17E+00	1.27E+00
3951	476863.09	3853877.25	0.55557	7.44E-01	7.82E-01	8.51E-01
3952	477363.09	3853877.25	0.58668	7.85E-01	8.25E-01	8.98E-01
3953	477863.09	3853877.25	1.00529	1.35E+00	1.41E+00	1.54E+00
3954	478363.09	3853877.25	0.95478	1.28E+00	1.34E+00	1.46E+00
3955	478863.09	3853877.25	0.53118	7.11E-01	7.47E-01	8.13E-01
3956	479363.09	3853877.25	0.90567	1.21E+00	1.27E+00	1.39E+00
3957	479863.09	3853877.25	2.35387	3.15E+00	3.31E+00	3.60E+00
3958	480363.09	3853877.25	2.56494	3.43E+00	3.61E+00	3.93E+00
3959	480863.09	3853877.25	2.57763	3.45E+00	3.63E+00	3.95E+00
3960	481363.09	3853877.25	2.80466	3.75E+00	3.95E+00	4.29E+00
3961	481863.09	3853877.25	2.90367	3.89E+00	4.09E+00	4.45E+00
3962	482363.09	3853877.25	3.98393	5.33E+00	5.61E+00	6.10E+00
3963	482863.09	3853877.25	9.80035	1.31E+01	1.38E+01	1.50E+01
3964	483363.09	3853877.25	18.04644	2.42E+01	2.54E+01	2.76E+01
3965	483863.09	3853877.25	12.64726	1.69E+01	1.78E+01	1.94E+01

3966	484363.09	3853877.25	10.28023	1.38E+01	1.45E+01	1.57E+01
3967	484863.09	3853877.25	9.12322	1.22E+01	1.28E+01	1.40E+01
3968	485363.09	3853877.25	6.43876	8.62E+00	9.06E+00	9.86E+00
3969	485863.09	3853877.25	6.88886	9.22E+00	9.69E+00	1.05E+01
3970	486363.09	3853877.25	5.7528	7.70E+00	8.09E+00	8.81E+00
3971	486863.09	3853877.25	4.93697	6.61E+00	6.95E+00	7.56E+00
3972	487363.09	3853877.25	4.69126	6.28E+00	6.60E+00	7.18E+00
3973	487863.09	3853877.25	4.59162	6.15E+00	6.46E+00	7.03E+00
3974	488363.09	3853877.25	4.37472	5.86E+00	6.16E+00	6.70E+00
3975	488863.09	3853877.25	4.28665	5.74E+00	6.03E+00	6.56E+00
3976	489363.09	3853877.25	3.70239	4.96E+00	5.21E+00	5.67E+00
3977	489863.09	3853877.25	3.06648	4.10E+00	4.31E+00	4.70E+00
3978	490363.09	3853877.25	2.89264	3.87E+00	4.07E+00	4.43E+00
3979	490863.09	3853877.25	2.84562	3.81E+00	4.00E+00	4.36E+00
3980	491363.09	3853877.25	2.70128	3.62E+00	3.80E+00	4.14E+00
3981	491863.09	3853877.25	2.54676	3.41E+00	3.58E+00	3.90E+00
3982	492363.09	3853877.25	2.47644	3.31E+00	3.48E+00	3.79E+00
3983	492863.09	3853877.25	2.40083	3.21E+00	3.38E+00	3.68E+00
3984	493363.09	3853877.25	2.27707	3.05E+00	3.20E+00	3.49E+00
3985	493863.09	3853877.25	2.16961	2.90E+00	3.05E+00	3.32E+00
3986	494363.09	3853877.25	2.09074	2.80E+00	2.94E+00	3.20E+00
3987	494863.09	3853877.25	1.95888	2.62E+00	2.76E+00	3.00E+00
3988	495363.09	3853877.25	1.68885	2.26E+00	2.38E+00	2.59E+00
3989	495863.09	3853877.25	1.3635	1.82E+00	1.92E+00	2.09E+00
3990	496363.09	3853877.25	1.14473	1.53E+00	1.61E+00	1.75E+00
3991	496863.09	3853877.25	0.84848	1.14E+00	1.19E+00	1.30E+00
3992	497363.09	3853877.25	0.63009	8.43E-01	8.87E-01	9.65E-01
3993	497863.09	3853877.25	0.53731	7.19E-01	7.56E-01	8.23E-01
3994	498363.09	3853877.25	0.49819	6.67E-01	7.01E-01	7.63E-01
3995	471363.09	3854377.25	0.86236	1.15E+00	1.21E+00	1.32E+00
3996	471863.09	3854377.25	0.90915	1.22E+00	1.28E+00	1.39E+00
3997	472363.09	3854377.25	0.91528	1.23E+00	1.29E+00	1.40E+00
3998	472863.09	3854377.25	0.91321	1.22E+00	1.28E+00	1.40E+00
3999	473363.09	3854377.25	1.07095	1.43E+00	1.51E+00	1.64E+00
4000	473863.09	3854377.25	1.15865	1.55E+00	1.63E+00	1.77E+00
4001	474363.09	3854377.25	1.24967	1.67E+00	1.76E+00	1.91E+00
4002	474863.09	3854377.25	1.23502	1.65E+00	1.74E+00	1.89E+00
4003	475363.09	3854377.25	1.14846	1.54E+00	1.62E+00	1.76E+00
4004	475863.09	3854377.25	0.56899	7.62E-01	8.01E-01	8.71E-01
4005	476363.09	3854377.25	0.49121	6.57E-01	6.91E-01	7.52E-01
4006	476863.09	3854377.25	0.46248	6.19E-01	6.51E-01	7.08E-01
4007	477363.09	3854377.25	0.47299	6.33E-01	6.66E-01	7.24E-01
4008	477863.09	3854377.25	0.53655	7.18E-01	7.55E-01	8.22E-01
4009	478363.09	3854377.25	0.69003	9.24E-01	9.71E-01	1.06E+00
4010	478863.09	3854377.25	0.66731	8.93E-01	9.39E-01	1.02E+00
4011	479363.09	3854377.25	1.79317	2.40E+00	2.52E+00	2.75E+00
4012	479863.09	3854377.25	2.02728	2.71E+00	2.85E+00	3.10E+00
4013	480363.09	3854377.25	2.18037	2.92E+00	3.07E+00	3.34E+00
4014	480863.09	3854377.25	2.26314	3.03E+00	3.18E+00	3.47E+00
4015	481363.09	3854377.25	2.50052	3.35E+00	3.52E+00	3.83E+00
4016	481863.09	3854377.25	2.7465	3.68E+00	3.86E+00	4.21E+00
4017	482363.09	3854377.25	3.05149	4.08E+00	4.29E+00	4.67E+00
4018	482863.09	3854377.25	4.98756	6.68E+00	7.02E+00	7.64E+00
4019	483363.09	3854377.25	11.52603	1.54E+01	1.62E+01	1.76E+01
4020	483863.09	3854377.25	11.54921	1.55E+01	1.63E+01	1.77E+01
4021	484363.09	3854377.25	7.46913	1.00E+01	1.05E+01	1.14E+01
4022	484863.09	3854377.25	5.33808	7.14E+00	7.51E+00	8.17E+00
4023	485363.09	3854377.25	7.31367	9.79E+00	1.03E+01	1.12E+01
4024	485863.09	3854377.25	6.20236	8.30E+00	8.73E+00	9.50E+00
4025	486363.09	3854377.25	7.37008	9.86E+00	1.04E+01	1.13E+01
4026	486863.09	3854377.25	6.52277	8.73E+00	9.18E+00	9.99E+00
4027	487363.09	3854377.25	5.85291	7.83E+00	8.24E+00	8.96E+00
4028	487863.09	3854377.25	5.9845	8.01E+00	8.42E+00	9.16E+00

4029	488363.09	3854377.25	5.52601	7.40E+00	7.78E+00	8.46E+00
4030	488863.09	3854377.25	5.0898	6.81E+00	7.16E+00	7.79E+00
4031	489363.09	3854377.25	4.4803	6.00E+00	6.30E+00	6.86E+00
4032	489863.09	3854377.25	4.32332	5.79E+00	6.08E+00	6.62E+00
4033	490363.09	3854377.25	3.97525	5.32E+00	5.59E+00	6.09E+00
4034	490863.09	3854377.25	3.25843	4.36E+00	4.58E+00	4.99E+00
4035	491363.09	3854377.25	2.86056	3.83E+00	4.02E+00	4.38E+00
4036	491863.09	3854377.25	2.94683	3.94E+00	4.15E+00	4.51E+00
4037	492363.09	3854377.25	2.86036	3.83E+00	4.02E+00	4.38E+00
4038	492863.09	3854377.25	2.72419	3.65E+00	3.83E+00	4.17E+00
4039	493363.09	3854377.25	2.513	3.36E+00	3.54E+00	3.85E+00
4040	493863.09	3854377.25	2.34673	3.14E+00	3.30E+00	3.59E+00
4041	494363.09	3854377.25	2.18991	2.93E+00	3.08E+00	3.35E+00
4042	494863.09	3854377.25	1.79494	2.40E+00	2.53E+00	2.75E+00
4043	495363.09	3854377.25	1.16856	1.56E+00	1.64E+00	1.79E+00
4044	495863.09	3854377.25	0.80785	1.08E+00	1.14E+00	1.24E+00
4045	496363.09	3854377.25	0.7105	9.51E-01	1.00E+00	1.09E+00
4046	496863.09	3854377.25	0.62944	8.42E-01	8.86E-01	9.64E-01
4047	497363.09	3854377.25	0.5663	7.58E-01	7.97E-01	8.67E-01
4048	497863.09	3854377.25	0.58558	7.84E-01	8.24E-01	8.97E-01
4049	498363.09	3854377.25	0.54083	7.24E-01	7.61E-01	8.28E-01
4050	471363.09	3854877.25	0.93332	1.25E+00	1.31E+00	1.43E+00
4051	471863.09	3854877.25	0.94641	1.27E+00	1.33E+00	1.45E+00
4052	472363.09	3854877.25	0.93628	1.25E+00	1.32E+00	1.43E+00
4053	472863.09	3854877.25	0.89385	1.20E+00	1.26E+00	1.37E+00
4054	473363.09	3854877.25	1.06462	1.42E+00	1.50E+00	1.63E+00
4055	473863.09	3854877.25	1.1347	1.52E+00	1.60E+00	1.74E+00
4056	474363.09	3854877.25	1.17461	1.57E+00	1.65E+00	1.80E+00
4057	474863.09	3854877.25	1.13796	1.52E+00	1.60E+00	1.74E+00
4058	475363.09	3854877.25	0.8122	1.09E+00	1.14E+00	1.24E+00
4059	475863.09	3854877.25	0.47486	6.36E-01	6.68E-01	7.27E-01
4060	476363.09	3854877.25	0.41582	5.57E-01	5.85E-01	6.37E-01
4061	476863.09	3854877.25	0.42271	5.66E-01	5.95E-01	6.47E-01
4062	477363.09	3854877.25	0.43735	5.85E-01	6.15E-01	6.70E-01
4063	477863.09	3854877.25	0.45901	6.14E-01	6.46E-01	7.03E-01
4064	478363.09	3854877.25	0.76438	1.02E+00	1.08E+00	1.17E+00
4065	478863.09	3854877.25	1.39182	1.86E+00	1.96E+00	2.13E+00
4066	479363.09	3854877.25	1.83691	2.46E+00	2.58E+00	2.81E+00
4067	479863.09	3854877.25	2.13288	2.85E+00	3.00E+00	3.27E+00
4068	480363.09	3854877.25	1.92454	2.58E+00	2.71E+00	2.95E+00
4069	480863.09	3854877.25	1.9986	2.67E+00	2.81E+00	3.06E+00
4070	481363.09	3854877.25	2.65804	3.56E+00	3.74E+00	4.07E+00
4071	481863.09	3854877.25	2.59369	3.47E+00	3.65E+00	3.97E+00
4072	482363.09	3854877.25	2.53385	3.39E+00	3.57E+00	3.88E+00
4073	482863.09	3854877.25	3.45112	4.62E+00	4.86E+00	5.28E+00
4074	483363.09	3854877.25	4.85448	6.50E+00	6.83E+00	7.43E+00
4075	483863.09	3854877.25	9.06494	1.21E+01	1.28E+01	1.39E+01
4076	484363.09	3854877.25	8.93688	1.20E+01	1.26E+01	1.37E+01
4077	484863.09	3854877.25	8.04798	1.08E+01	1.13E+01	1.23E+01
4078	485363.09	3854877.25	7.41139	9.92E+00	1.04E+01	1.13E+01
4079	485863.09	3854877.25	7.22453	9.67E+00	1.02E+01	1.11E+01
4080	486363.09	3854877.25	7.04725	9.43E+00	9.92E+00	1.08E+01
4081	486863.09	3854877.25	6.93517	9.28E+00	9.76E+00	1.06E+01
4082	487363.09	3854877.25	7.51665	1.01E+01	1.06E+01	1.15E+01
4083	487863.09	3854877.25	6.89396	9.23E+00	9.70E+00	1.06E+01
4084	488363.09	3854877.25	5.79478	7.76E+00	8.15E+00	8.87E+00
4085	488863.09	3854877.25	5.40243	7.23E+00	7.60E+00	8.27E+00
4086	489363.09	3854877.25	4.89887	6.56E+00	6.89E+00	7.50E+00
4087	489863.09	3854877.25	4.75622	6.37E+00	6.69E+00	7.28E+00
4088	490363.09	3854877.25	3.90196	5.22E+00	5.49E+00	5.97E+00
4089	490863.09	3854877.25	2.41405	3.23E+00	3.40E+00	3.70E+00
4090	491363.09	3854877.25	2.88296	3.86E+00	4.06E+00	4.41E+00
4091	491863.09	3854877.25	3.52476	4.72E+00	4.96E+00	5.40E+00

4092	492363.09	3854877.25	2.93519	3.93E+00	4.13E+00	4.49E+00
4093	492863.09	3854877.25	2.74945	3.68E+00	3.87E+00	4.21E+00
4094	493363.09	3854877.25	2.68603	3.60E+00	3.78E+00	4.11E+00
4095	493863.09	3854877.25	2.60501	3.49E+00	3.67E+00	3.99E+00
4096	494363.09	3854877.25	2.09123	2.80E+00	2.94E+00	3.20E+00
4097	494863.09	3854877.25	1.17234	1.57E+00	1.65E+00	1.80E+00
4098	495363.09	3854877.25	0.7232	9.68E-01	1.02E+00	1.11E+00
4099	495863.09	3854877.25	0.57	7.63E-01	8.02E-01	8.73E-01
4100	496363.09	3854877.25	0.50765	6.79E-01	7.14E-01	7.77E-01
4101	496863.09	3854877.25	0.47567	6.37E-01	6.69E-01	7.28E-01
4102	497363.09	3854877.25	0.47912	6.41E-01	6.74E-01	7.34E-01
4103	497863.09	3854877.25	0.52433	7.02E-01	7.38E-01	8.03E-01
4104	498363.09	3854877.25	0.54519	7.30E-01	7.67E-01	8.35E-01
4105	471363.09	3855377.25	0.85463	1.14E+00	1.20E+00	1.31E+00
4106	471863.09	3855377.25	0.89137	1.19E+00	1.25E+00	1.36E+00
4107	472363.09	3855377.25	0.93894	1.26E+00	1.32E+00	1.44E+00
4108	472863.09	3855377.25	0.96515	1.29E+00	1.36E+00	1.48E+00
4109	473363.09	3855377.25	1.02882	1.38E+00	1.45E+00	1.58E+00
4110	473863.09	3855377.25	1.09273	1.46E+00	1.54E+00	1.67E+00
4111	474363.09	3855377.25	1.16005	1.55E+00	1.63E+00	1.78E+00
4112	474863.09	3855377.25	1.12084	1.50E+00	1.58E+00	1.72E+00
4113	475363.09	3855377.25	0.4976	6.66E-01	7.00E-01	7.62E-01
4114	475863.09	3855377.25	0.48095	6.44E-01	6.77E-01	7.36E-01
4115	476363.09	3855377.25	0.45406	6.08E-01	6.39E-01	6.95E-01
4116	476863.09	3855377.25	0.42135	5.64E-01	5.93E-01	6.45E-01
4117	477363.09	3855377.25	0.40863	5.47E-01	5.75E-01	6.26E-01
4118	477863.09	3855377.25	0.5167	6.92E-01	7.27E-01	7.91E-01
4119	478363.09	3855377.25	0.82429	1.10E+00	1.16E+00	1.26E+00
4120	478863.09	3855377.25	1.48542	1.99E+00	2.09E+00	2.27E+00
4121	479363.09	3855377.25	1.60933	2.15E+00	2.26E+00	2.46E+00
4122	479863.09	3855377.25	1.77693	2.38E+00	2.50E+00	2.72E+00
4123	480363.09	3855377.25	1.86686	2.50E+00	2.63E+00	2.86E+00
4124	480863.09	3855377.25	2.23953	3.00E+00	3.15E+00	3.43E+00
4125	481363.09	3855377.25	2.52122	3.37E+00	3.55E+00	3.86E+00
4126	481863.09	3855377.25	2.57312	3.44E+00	3.62E+00	3.94E+00
4127	482363.09	3855377.25	2.44671	3.27E+00	3.44E+00	3.75E+00
4128	482863.09	3855377.25	2.70544	3.62E+00	3.81E+00	4.14E+00
4129	483363.09	3855377.25	3.34297	4.47E+00	4.70E+00	5.12E+00
4130	483863.09	3855377.25	4.06612	5.44E+00	5.72E+00	6.23E+00
4131	484363.09	3855377.25	7.00503	9.38E+00	9.86E+00	1.07E+01
4132	484863.09	3855377.25	4.73037	6.33E+00	6.66E+00	7.24E+00
4133	485363.09	3855377.25	7.45799	9.98E+00	1.05E+01	1.14E+01
4134	485863.09	3855377.25	7.07367	9.47E+00	9.95E+00	1.08E+01
4135	486363.09	3855377.25	6.90444	9.24E+00	9.71E+00	1.06E+01
4136	486863.09	3855377.25	6.56629	8.79E+00	9.24E+00	1.01E+01
4137	487363.09	3855377.25	6.94462	9.29E+00	9.77E+00	1.06E+01
4138	487863.09	3855377.25	6.45455	8.64E+00	9.08E+00	9.88E+00
4139	488363.09	3855377.25	6.39918	8.56E+00	9.00E+00	9.80E+00
4140	488863.09	3855377.25	5.62256	7.53E+00	7.91E+00	8.61E+00
4141	489363.09	3855377.25	4.82315	6.46E+00	6.79E+00	7.39E+00
4142	489863.09	3855377.25	4.60753	6.17E+00	6.48E+00	7.05E+00
4143	490363.09	3855377.25	4.14273	5.54E+00	5.83E+00	6.34E+00
4144	490863.09	3855377.25	4.00546	5.36E+00	5.64E+00	6.13E+00
4145	491363.09	3855377.25	3.33022	4.46E+00	4.69E+00	5.10E+00
4146	491863.09	3855377.25	3.47969	4.66E+00	4.90E+00	5.33E+00
4147	492363.09	3855377.25	3.37612	4.52E+00	4.75E+00	5.17E+00
4148	492863.09	3855377.25	3.25964	4.36E+00	4.59E+00	4.99E+00
4149	493363.09	3855377.25	3.18357	4.26E+00	4.48E+00	4.87E+00
4150	493863.09	3855377.25	2.57917	3.45E+00	3.63E+00	3.95E+00
4151	494363.09	3855377.25	1.46486	1.96E+00	2.06E+00	2.24E+00
4152	494863.09	3855377.25	0.74686	1.00E+00	1.05E+00	1.14E+00
4153	495363.09	3855377.25	0.43639	5.84E-01	6.14E-01	6.68E-01
4154	495863.09	3855377.25	0.39956	5.35E-01	5.62E-01	6.12E-01

4155	496363.09	3855377.25	0.40635	5.44E-01	5.72E-01	6.22E-01
4156	496863.09	3855377.25	0.44788	5.99E-01	6.30E-01	6.86E-01
4157	497363.09	3855377.25	0.47378	6.34E-01	6.67E-01	7.25E-01
4158	497863.09	3855377.25	0.48734	6.52E-01	6.86E-01	7.46E-01
4159	498363.09	3855377.25	0.50619	6.77E-01	7.12E-01	7.75E-01
4160	471363.09	3855877.25	0.79939	1.07E+00	1.12E+00	1.22E+00
4161	471863.09	3855877.25	0.79807	1.07E+00	1.12E+00	1.22E+00
4162	472363.09	3855877.25	0.83427	1.12E+00	1.17E+00	1.28E+00
4163	472863.09	3855877.25	0.84262	1.13E+00	1.19E+00	1.29E+00
4164	473363.09	3855877.25	1.01511	1.36E+00	1.43E+00	1.55E+00
4165	473863.09	3855877.25	1.08922	1.46E+00	1.53E+00	1.67E+00
4166	474363.09	3855877.25	1.09826	1.47E+00	1.55E+00	1.68E+00
4167	474863.09	3855877.25	1.06965	1.43E+00	1.51E+00	1.64E+00
4168	475363.09	3855877.25	0.74364	9.95E-01	1.05E+00	1.14E+00
4169	475863.09	3855877.25	0.64235	8.60E-01	9.04E-01	9.84E-01
4170	476363.09	3855877.25	0.609	8.15E-01	8.57E-01	9.32E-01
4171	476863.09	3855877.25	0.57469	7.69E-01	8.09E-01	8.80E-01
4172	477363.09	3855877.25	0.53593	7.17E-01	7.54E-01	8.21E-01
4173	477863.09	3855877.25	0.66082	8.84E-01	9.30E-01	1.01E+00
4174	478363.09	3855877.25	0.92611	1.24E+00	1.30E+00	1.42E+00
4175	478863.09	3855877.25	1.3934	1.86E+00	1.96E+00	2.13E+00
4176	479363.09	3855877.25	1.81126	2.42E+00	2.55E+00	2.77E+00
4177	479863.09	3855877.25	1.63737	2.19E+00	2.30E+00	2.51E+00
4178	480363.09	3855877.25	1.58713	2.12E+00	2.23E+00	2.43E+00
4179	480863.09	3855877.25	1.88853	2.53E+00	2.66E+00	2.89E+00
4180	481363.09	3855877.25	2.20139	2.95E+00	3.10E+00	3.37E+00
4181	481863.09	3855877.25	3.07596	4.12E+00	4.33E+00	4.71E+00
4182	482363.09	3855877.25	2.31355	3.10E+00	3.26E+00	3.54E+00
4183	482863.09	3855877.25	2.36556	3.17E+00	3.33E+00	3.62E+00
4184	483363.09	3855877.25	2.7759	3.72E+00	3.91E+00	4.25E+00
4185	483863.09	3855877.25	3.18076	4.26E+00	4.48E+00	4.87E+00
4186	484363.09	3855877.25	3.58308	4.80E+00	5.04E+00	5.49E+00
4187	484863.09	3855877.25	4.22355	5.65E+00	5.94E+00	6.47E+00
4188	485363.09	3855877.25	2.96071	3.96E+00	4.17E+00	4.53E+00
4189	485863.09	3855877.25	5.89022	7.88E+00	8.29E+00	9.02E+00
4190	486363.09	3855877.25	6.10145	8.17E+00	8.59E+00	9.34E+00
4191	486863.09	3855877.25	6.05207	8.10E+00	8.52E+00	9.27E+00
4192	487363.09	3855877.25	5.75326	7.70E+00	8.10E+00	8.81E+00
4193	487863.09	3855877.25	5.60285	7.50E+00	7.88E+00	8.58E+00
4194	488363.09	3855877.25	5.60958	7.51E+00	7.89E+00	8.59E+00
4195	488863.09	3855877.25	5.1452	6.89E+00	7.24E+00	7.88E+00
4196	489363.09	3855877.25	4.95973	6.64E+00	6.98E+00	7.59E+00
4197	489863.09	3855877.25	4.42055	5.92E+00	6.22E+00	6.77E+00
4198	490363.09	3855877.25	3.88843	5.20E+00	5.47E+00	5.95E+00
4199	490863.09	3855877.25	3.79056	5.07E+00	5.33E+00	5.80E+00
4200	491363.09	3855877.25	4.00415	5.36E+00	5.63E+00	6.13E+00
4201	491863.09	3855877.25	3.56842	4.78E+00	5.02E+00	5.46E+00
4202	492363.09	3855877.25	3.52394	4.72E+00	4.96E+00	5.40E+00
4203	492863.09	3855877.25	3.22884	4.32E+00	4.54E+00	4.94E+00
4204	493363.09	3855877.25	3.11324	4.17E+00	4.38E+00	4.77E+00
4205	493863.09	3855877.25	2.13865	2.86E+00	3.01E+00	3.27E+00
4206	494363.09	3855877.25	0.89072	1.19E+00	1.25E+00	1.36E+00
4207	494863.09	3855877.25	0.52978	7.09E-01	7.45E-01	8.11E-01
4208	495363.09	3855877.25	0.371	4.97E-01	5.22E-01	5.68E-01
4209	495863.09	3855877.25	0.37949	5.08E-01	5.34E-01	5.81E-01
4210	496363.09	3855877.25	0.39016	5.22E-01	5.49E-01	5.97E-01
4211	496863.09	3855877.25	0.40953	5.48E-01	5.76E-01	6.27E-01
4212	497363.09	3855877.25	0.43265	5.79E-01	6.09E-01	6.62E-01
4213	497863.09	3855877.25	0.45459	6.08E-01	6.40E-01	6.96E-01
4214	498363.09	3855877.25	0.5151	6.89E-01	7.25E-01	7.89E-01
4215	471363.09	3856377.25	0.76466	1.02E+00	1.08E+00	1.17E+00
4216	471863.09	3856377.25	0.77636	1.04E+00	1.09E+00	1.19E+00
4217	472363.09	3856377.25	0.79326	1.06E+00	1.12E+00	1.21E+00

4218	472863.09	3856377.25	0.85804	1.15E+00	1.21E+00	1.31E+00
4219	473363.09	3856377.25	1.01436	1.36E+00	1.43E+00	1.55E+00
4220	473863.09	3856377.25	1.19323	1.60E+00	1.68E+00	1.83E+00
4221	474363.09	3856377.25	1.07703	1.44E+00	1.52E+00	1.65E+00
4222	474863.09	3856377.25	1.06028	1.42E+00	1.49E+00	1.62E+00
4223	475363.09	3856377.25	0.91559	1.23E+00	1.29E+00	1.40E+00
4224	475863.09	3856377.25	0.71563	9.58E-01	1.01E+00	1.10E+00
4225	476363.09	3856377.25	0.71468	9.57E-01	1.01E+00	1.09E+00
4226	476863.09	3856377.25	0.76641	1.03E+00	1.08E+00	1.17E+00
4227	477363.09	3856377.25	0.80554	1.08E+00	1.13E+00	1.23E+00
4228	477863.09	3856377.25	0.72942	9.76E-01	1.03E+00	1.12E+00
4229	478363.09	3856377.25	0.66566	8.91E-01	9.37E-01	1.02E+00
4230	478863.09	3856377.25	1.00749	1.35E+00	1.42E+00	1.54E+00
4231	479363.09	3856377.25	1.54941	2.07E+00	2.18E+00	2.37E+00
4232	479863.09	3856377.25	1.59756	2.14E+00	2.25E+00	2.45E+00
4233	480363.09	3856377.25	1.69934	2.27E+00	2.39E+00	2.60E+00
4234	480863.09	3856377.25	1.96256	2.63E+00	2.76E+00	3.01E+00
4235	481363.09	3856377.25	2.43545	3.26E+00	3.43E+00	3.73E+00
4236	481863.09	3856377.25	2.61158	3.50E+00	3.67E+00	4.00E+00
4237	482363.09	3856377.25	2.16943	2.90E+00	3.05E+00	3.32E+00
4238	482863.09	3856377.25	2.53047	3.39E+00	3.56E+00	3.87E+00
4239	483363.09	3856377.25	2.70739	3.62E+00	3.81E+00	4.15E+00
4240	483863.09	3856377.25	2.85378	3.82E+00	4.02E+00	4.37E+00
4241	484363.09	3856377.25	3.3483	4.48E+00	4.71E+00	5.13E+00
4242	484863.09	3856377.25	3.68812	4.94E+00	5.19E+00	5.65E+00
4243	485363.09	3856377.25	3.57415	4.78E+00	5.03E+00	5.47E+00
4244	485863.09	3856377.25	2.36727	3.17E+00	3.33E+00	3.62E+00
4245	486363.09	3856377.25	5.10862	6.84E+00	7.19E+00	7.82E+00
4246	486863.09	3856377.25	5.10729	6.84E+00	7.19E+00	7.82E+00
4247	487363.09	3856377.25	4.95039	6.63E+00	6.97E+00	7.58E+00
4248	487863.09	3856377.25	4.5892	6.14E+00	6.46E+00	7.03E+00
4249	488363.09	3856377.25	4.38888	5.87E+00	6.18E+00	6.72E+00
4250	488863.09	3856377.25	4.69491	6.28E+00	6.61E+00	7.19E+00
4251	489363.09	3856377.25	4.27033	5.72E+00	6.01E+00	6.54E+00
4252	489863.09	3856377.25	4.17957	5.59E+00	5.88E+00	6.40E+00
4253	490363.09	3856377.25	4.05945	5.43E+00	5.71E+00	6.22E+00
4254	490863.09	3856377.25	3.75815	5.03E+00	5.29E+00	5.75E+00
4255	491363.09	3856377.25	3.48324	4.66E+00	4.90E+00	5.33E+00
4256	491863.09	3856377.25	3.38205	4.53E+00	4.76E+00	5.18E+00
4257	492363.09	3856377.25	3.49723	4.68E+00	4.92E+00	5.35E+00
4258	492863.09	3856377.25	3.68979	4.94E+00	5.19E+00	5.65E+00
4259	493363.09	3856377.25	2.48026	3.32E+00	3.49E+00	3.80E+00
4260	493863.09	3856377.25	1.50471	2.01E+00	2.12E+00	2.30E+00
4261	494363.09	3856377.25	0.77243	1.03E+00	1.09E+00	1.18E+00
4262	494863.09	3856377.25	0.49672	6.65E-01	6.99E-01	7.61E-01
4263	495363.09	3856377.25	0.3884	5.20E-01	5.47E-01	5.95E-01
4264	495863.09	3856377.25	0.38495	5.15E-01	5.42E-01	5.89E-01
4265	496363.09	3856377.25	0.41118	5.50E-01	5.79E-01	6.30E-01
4266	496863.09	3856377.25	0.43402	5.81E-01	6.11E-01	6.65E-01
4267	497363.09	3856377.25	0.44511	5.96E-01	6.26E-01	6.82E-01
4268	497863.09	3856377.25	0.50118	6.71E-01	7.05E-01	7.67E-01
4269	498363.09	3856377.25	0.61541	8.24E-01	8.66E-01	9.42E-01
4270	471363.09	3856877.25	0.74598	9.98E-01	1.05E+00	1.14E+00
4271	471863.09	3856877.25	0.75542	1.01E+00	1.06E+00	1.16E+00
4272	472363.09	3856877.25	0.76172	1.02E+00	1.07E+00	1.17E+00
4273	472863.09	3856877.25	0.82605	1.11E+00	1.16E+00	1.26E+00
4274	473363.09	3856877.25	0.97881	1.31E+00	1.38E+00	1.50E+00
4275	473863.09	3856877.25	1.04782	1.40E+00	1.47E+00	1.60E+00
4276	474363.09	3856877.25	0.98104	1.31E+00	1.38E+00	1.50E+00
4277	474863.09	3856877.25	1.01982	1.36E+00	1.43E+00	1.56E+00
4278	475363.09	3856877.25	0.94193	1.26E+00	1.33E+00	1.44E+00
4279	475863.09	3856877.25	0.99279	1.33E+00	1.40E+00	1.52E+00
4280	476363.09	3856877.25	0.83463	1.12E+00	1.17E+00	1.28E+00

4281	476863.09	3856877.25	0.85393	1.14E+00	1.20E+00	1.31E+00
4282	477363.09	3856877.25	0.80813	1.08E+00	1.14E+00	1.24E+00
4283	477863.09	3856877.25	0.68026	9.10E-01	9.57E-01	1.04E+00
4284	478363.09	3856877.25	0.70709	9.46E-01	9.95E-01	1.08E+00
4285	478863.09	3856877.25	0.78511	1.05E+00	1.10E+00	1.20E+00
4286	479363.09	3856877.25	0.95862	1.28E+00	1.35E+00	1.47E+00
4287	479863.09	3856877.25	1.58702	2.12E+00	2.23E+00	2.43E+00
4288	480363.09	3856877.25	1.55925	2.09E+00	2.19E+00	2.39E+00
4289	480863.09	3856877.25	1.97376	2.64E+00	2.78E+00	3.02E+00
4290	481363.09	3856877.25	2.67486	3.58E+00	3.76E+00	4.10E+00
4291	481863.09	3856877.25	2.9512	3.95E+00	4.15E+00	4.52E+00
4292	482363.09	3856877.25	2.35725	3.16E+00	3.32E+00	3.61E+00
4293	482863.09	3856877.25	2.31128	3.09E+00	3.25E+00	3.54E+00
4294	483363.09	3856877.25	2.5072	3.36E+00	3.53E+00	3.84E+00
4295	483863.09	3856877.25	2.88498	3.86E+00	4.06E+00	4.42E+00
4296	484363.09	3856877.25	3.44137	4.61E+00	4.84E+00	5.27E+00
4297	484863.09	3856877.25	3.57187	4.78E+00	5.03E+00	5.47E+00
4298	485363.09	3856877.25	4.32558	5.79E+00	6.09E+00	6.62E+00
4299	485863.09	3856877.25	4.65973	6.24E+00	6.56E+00	7.13E+00
4300	486363.09	3856877.25	2.92783	3.92E+00	4.12E+00	4.48E+00
4301	486863.09	3856877.25	2.87505	3.85E+00	4.05E+00	4.40E+00
4302	487363.09	3856877.25	4.08875	5.47E+00	5.75E+00	6.26E+00
4303	487863.09	3856877.25	3.78592	5.07E+00	5.33E+00	5.80E+00
4304	488363.09	3856877.25	3.62323	4.85E+00	5.10E+00	5.55E+00
4305	488863.09	3856877.25	3.29414	4.41E+00	4.64E+00	5.04E+00
4306	489363.09	3856877.25	3.60457	4.82E+00	5.07E+00	5.52E+00
4307	489863.09	3856877.25	3.81582	5.11E+00	5.37E+00	5.84E+00
4308	490363.09	3856877.25	3.63769	4.87E+00	5.12E+00	5.57E+00
4309	490863.09	3856877.25	3.76112	5.03E+00	5.29E+00	5.76E+00
4310	491363.09	3856877.25	3.69035	4.94E+00	5.19E+00	5.65E+00
4311	491863.09	3856877.25	3.58249	4.79E+00	5.04E+00	5.49E+00
4312	492363.09	3856877.25	3.78202	5.06E+00	5.32E+00	5.79E+00
4313	492863.09	3856877.25	3.64535	4.88E+00	5.13E+00	5.58E+00
4314	493363.09	3856877.25	2.86944	3.84E+00	4.04E+00	4.39E+00
4315	493863.09	3856877.25	1.15942	1.55E+00	1.63E+00	1.78E+00
4316	494363.09	3856877.25	0.55901	7.48E-01	7.87E-01	8.56E-01
4317	494863.09	3856877.25	0.52693	7.05E-01	7.41E-01	8.07E-01
4318	495363.09	3856877.25	0.47978	6.42E-01	6.75E-01	7.35E-01
4319	495863.09	3856877.25	0.48786	6.53E-01	6.86E-01	7.47E-01
4320	496363.09	3856877.25	0.46599	6.24E-01	6.56E-01	7.14E-01
4321	496863.09	3856877.25	0.46145	6.18E-01	6.49E-01	7.07E-01
4322	497363.09	3856877.25	0.48757	6.53E-01	6.86E-01	7.47E-01
4323	497863.09	3856877.25	0.64506	8.63E-01	9.08E-01	9.88E-01
4324	498363.09	3856877.25	0.99931	1.34E+00	1.41E+00	1.53E+00
4325	471363.09	3857377.25	0.80033	1.07E+00	1.13E+00	1.23E+00
4326	471863.09	3857377.25	0.7968	1.07E+00	1.12E+00	1.22E+00
4327	472363.09	3857377.25	0.81361	1.09E+00	1.14E+00	1.25E+00
4328	472863.09	3857377.25	0.91329	1.22E+00	1.29E+00	1.40E+00
4329	473363.09	3857377.25	1.05591	1.41E+00	1.49E+00	1.62E+00
4330	473863.09	3857377.25	1.12652	1.51E+00	1.59E+00	1.72E+00
4331	474363.09	3857377.25	0.9827	1.32E+00	1.38E+00	1.50E+00
4332	474863.09	3857377.25	0.95374	1.28E+00	1.34E+00	1.46E+00
4333	475363.09	3857377.25	0.58283	7.80E-01	8.20E-01	8.92E-01
4334	475863.09	3857377.25	0.58742	7.86E-01	8.27E-01	8.99E-01
4335	476363.09	3857377.25	0.7711	1.03E+00	1.08E+00	1.18E+00
4336	476863.09	3857377.25	0.83234	1.11E+00	1.17E+00	1.27E+00
4337	477363.09	3857377.25	0.74856	1.00E+00	1.05E+00	1.15E+00
4338	477863.09	3857377.25	0.59263	7.93E-01	8.34E-01	9.07E-01
4339	478363.09	3857377.25	0.5327	7.13E-01	7.50E-01	8.16E-01
4340	478863.09	3857377.25	0.54637	7.31E-01	7.69E-01	8.37E-01
4341	479363.09	3857377.25	0.67883	9.09E-01	9.55E-01	1.04E+00
4342	479863.09	3857377.25	1.40935	1.89E+00	1.98E+00	2.16E+00
4343	480363.09	3857377.25	1.43818	1.92E+00	2.02E+00	2.20E+00

4344	480863.09	3857377.25	2.2699	3.04E+00	3.19E+00	3.48E+00
4345	481363.09	3857377.25	2.435	3.26E+00	3.43E+00	3.73E+00
4346	481863.09	3857377.25	2.72364	3.65E+00	3.83E+00	4.17E+00
4347	482363.09	3857377.25	2.64079	3.53E+00	3.72E+00	4.04E+00
4348	482863.09	3857377.25	2.45448	3.29E+00	3.45E+00	3.76E+00
4349	483363.09	3857377.25	2.7615	3.70E+00	3.89E+00	4.23E+00
4350	483863.09	3857377.25	2.93321	3.93E+00	4.13E+00	4.49E+00
4351	484363.09	3857377.25	3.09727	4.15E+00	4.36E+00	4.74E+00
4352	484863.09	3857377.25	3.55248	4.75E+00	5.00E+00	5.44E+00
4353	485363.09	3857377.25	4.46783	5.98E+00	6.29E+00	6.84E+00
4354	485863.09	3857377.25	4.75749	6.37E+00	6.69E+00	7.28E+00
4355	486363.09	3857377.25	6.73104	9.01E+00	9.47E+00	1.03E+01
4356	486863.09	3857377.25	5.58283	7.47E+00	7.86E+00	8.55E+00
4357	487363.09	3857377.25	5.05899	6.77E+00	7.12E+00	7.75E+00
4358	487863.09	3857377.25	5.19936	6.96E+00	7.32E+00	7.96E+00
4359	488363.09	3857377.25	4.48558	6.00E+00	6.31E+00	6.87E+00
4360	488863.09	3857377.25	4.06352	5.44E+00	5.72E+00	6.22E+00
4361	489363.09	3857377.25	3.23002	4.32E+00	4.54E+00	4.95E+00
4362	489863.09	3857377.25	2.84976	3.81E+00	4.01E+00	4.36E+00
4363	490363.09	3857377.25	3.36312	4.50E+00	4.73E+00	5.15E+00
4364	490863.09	3857377.25	3.53577	4.73E+00	4.98E+00	5.41E+00
4365	491363.09	3857377.25	3.3301	4.46E+00	4.69E+00	5.10E+00
4366	491863.09	3857377.25	3.67468	4.92E+00	5.17E+00	5.63E+00
4367	492363.09	3857377.25	4.57402	6.12E+00	6.44E+00	7.00E+00
4368	492863.09	3857377.25	3.51208	4.70E+00	4.94E+00	5.38E+00
4369	493363.09	3857377.25	1.58156	2.12E+00	2.23E+00	2.42E+00
4370	493863.09	3857377.25	1.08706	1.45E+00	1.53E+00	1.66E+00
4371	494363.09	3857377.25	0.72063	9.65E-01	1.01E+00	1.10E+00
4372	494863.09	3857377.25	0.57209	7.66E-01	8.05E-01	8.76E-01
4373	495363.09	3857377.25	0.54586	7.31E-01	7.68E-01	8.36E-01
4374	495863.09	3857377.25	0.57701	7.72E-01	8.12E-01	8.84E-01
4375	496363.09	3857377.25	0.61906	8.29E-01	8.71E-01	9.48E-01
4376	496863.09	3857377.25	0.62763	8.40E-01	8.83E-01	9.61E-01
4377	497363.09	3857377.25	0.67576	9.04E-01	9.51E-01	1.03E+00
4378	497863.09	3857377.25	0.83593	1.12E+00	1.18E+00	1.28E+00
4379	498363.09	3857377.25	1.61452	2.16E+00	2.27E+00	2.47E+00
4380	471363.09	3857877.25	0.74354	9.95E-01	1.05E+00	1.14E+00
4381	471863.09	3857877.25	0.74701	1.00E+00	1.05E+00	1.14E+00
4382	472363.09	3857877.25	0.77476	1.04E+00	1.09E+00	1.19E+00
4383	472863.09	3857877.25	0.93303	1.25E+00	1.31E+00	1.43E+00
4384	473363.09	3857877.25	1.05076	1.41E+00	1.48E+00	1.61E+00
4385	473863.09	3857877.25	1.13663	1.52E+00	1.60E+00	1.74E+00
4386	474363.09	3857877.25	0.95013	1.27E+00	1.34E+00	1.45E+00
4387	474863.09	3857877.25	0.90813	1.22E+00	1.28E+00	1.39E+00
4388	475363.09	3857877.25	0.4128	5.53E-01	5.81E-01	6.32E-01
4389	475863.09	3857877.25	0.34767	4.65E-01	4.89E-01	5.32E-01
4390	476363.09	3857877.25	0.52494	7.03E-01	7.39E-01	8.04E-01
4391	476863.09	3857877.25	0.6753	9.04E-01	9.50E-01	1.03E+00
4392	477363.09	3857877.25	0.6842	9.16E-01	9.63E-01	1.05E+00
4393	477863.09	3857877.25	0.65053	8.71E-01	9.15E-01	9.96E-01
4394	478363.09	3857877.25	0.43628	5.84E-01	6.14E-01	6.68E-01
4395	478863.09	3857877.25	0.40698	5.45E-01	5.73E-01	6.23E-01
4396	479363.09	3857877.25	1.10033	1.47E+00	1.55E+00	1.68E+00
4397	479863.09	3857877.25	1.42229	1.90E+00	2.00E+00	2.18E+00
4398	480363.09	3857877.25	1.76703	2.37E+00	2.49E+00	2.71E+00
4399	480863.09	3857877.25	2.00091	2.68E+00	2.82E+00	3.06E+00
4400	481363.09	3857877.25	2.22696	2.98E+00	3.13E+00	3.41E+00
4401	481863.09	3857877.25	2.58587	3.46E+00	3.64E+00	3.96E+00
4402	482363.09	3857877.25	3.0958	4.14E+00	4.36E+00	4.74E+00
4403	482863.09	3857877.25	2.70196	3.62E+00	3.80E+00	4.14E+00
4404	483363.09	3857877.25	2.86528	3.83E+00	4.03E+00	4.39E+00
4405	483863.09	3857877.25	3.0071	4.02E+00	4.23E+00	4.60E+00
4406	484363.09	3857877.25	3.09969	4.15E+00	4.36E+00	4.75E+00

4407	484863.09	3857877.25	3.70324	4.96E+00	5.21E+00	5.67E+00
4408	485363.09	3857877.25	4.15005	5.55E+00	5.84E+00	6.35E+00
4409	485863.09	3857877.25	4.67511	6.26E+00	6.58E+00	7.16E+00
4410	486363.09	3857877.25	6.17509	8.26E+00	8.69E+00	9.46E+00
4411	486863.09	3857877.25	7.39955	9.90E+00	1.04E+01	1.13E+01
4412	487363.09	3857877.25	9.68206	1.30E+01	1.36E+01	1.48E+01
4413	487863.09	3857877.25	7.54433	1.01E+01	1.06E+01	1.16E+01
4414	488363.09	3857877.25	5.94425	7.96E+00	8.36E+00	9.10E+00
4415	488863.09	3857877.25	5.36354	7.18E+00	7.55E+00	8.21E+00
4416	489363.09	3857877.25	4.51124	6.04E+00	6.35E+00	6.91E+00
4417	489863.09	3857877.25	3.43477	4.60E+00	4.83E+00	5.26E+00
4418	490363.09	3857877.25	2.63166	3.52E+00	3.70E+00	4.03E+00
4419	490863.09	3857877.25	2.81649	3.77E+00	3.96E+00	4.31E+00
4420	491363.09	3857877.25	3.37633	4.52E+00	4.75E+00	5.17E+00
4421	491863.09	3857877.25	3.97557	5.32E+00	5.59E+00	6.09E+00
4422	492363.09	3857877.25	3.99259	5.34E+00	5.62E+00	6.11E+00
4423	492863.09	3857877.25	2.94564	3.94E+00	4.14E+00	4.51E+00
4424	493363.09	3857877.25	2.18446	2.92E+00	3.07E+00	3.34E+00
4425	493863.09	3857877.25	1.62768	2.18E+00	2.29E+00	2.49E+00
4426	494363.09	3857877.25	1.25183	1.68E+00	1.76E+00	1.92E+00
4427	494863.09	3857877.25	0.95802	1.28E+00	1.35E+00	1.47E+00
4428	495363.09	3857877.25	0.86521	1.16E+00	1.22E+00	1.32E+00
4429	495863.09	3857877.25	0.75454	1.01E+00	1.06E+00	1.16E+00
4430	496363.09	3857877.25	0.88697	1.19E+00	1.25E+00	1.36E+00
4431	496863.09	3857877.25	0.87087	1.17E+00	1.23E+00	1.33E+00
4432	497363.09	3857877.25	0.99883	1.34E+00	1.41E+00	1.53E+00
4433	497863.09	3857877.25	1.39144	1.86E+00	1.96E+00	2.13E+00
4434	498363.09	3857877.25	1.82647	2.44E+00	2.57E+00	2.80E+00
4435	471363.09	3858377.25	0.79093	1.06E+00	1.11E+00	1.21E+00
4436	471863.09	3858377.25	0.78993	1.06E+00	1.11E+00	1.21E+00
4437	472363.09	3858377.25	0.78844	1.06E+00	1.11E+00	1.21E+00
4438	472863.09	3858377.25	0.89536	1.20E+00	1.26E+00	1.37E+00
4439	473363.09	3858377.25	1.05324	1.41E+00	1.48E+00	1.61E+00
4440	473863.09	3858377.25	1.03035	1.38E+00	1.45E+00	1.58E+00
4441	474363.09	3858377.25	0.89348	1.20E+00	1.26E+00	1.37E+00
4442	474863.09	3858377.25	0.89715	1.20E+00	1.26E+00	1.37E+00
4443	475363.09	3858377.25	0.5427	7.26E-01	7.64E-01	8.31E-01
4444	475863.09	3858377.25	0.39646	5.31E-01	5.58E-01	6.07E-01
4445	476363.09	3858377.25	0.43915	5.88E-01	6.18E-01	6.72E-01
4446	476863.09	3858377.25	0.47976	6.42E-01	6.75E-01	7.35E-01
4447	477363.09	3858377.25	0.47161	6.31E-01	6.64E-01	7.22E-01
4448	477863.09	3858377.25	0.67265	9.00E-01	9.46E-01	1.03E+00
4449	478363.09	3858377.25	0.76057	1.02E+00	1.07E+00	1.16E+00
4450	478863.09	3858377.25	0.4467	5.98E-01	6.29E-01	6.84E-01
4451	479363.09	3858377.25	1.0853	1.45E+00	1.53E+00	1.66E+00
4452	479863.09	3858377.25	1.56165	2.09E+00	2.20E+00	2.39E+00
4453	480363.09	3858377.25	1.89569	2.54E+00	2.67E+00	2.90E+00
4454	480863.09	3858377.25	1.99779	2.67E+00	2.81E+00	3.06E+00
4455	481363.09	3858377.25	2.09594	2.81E+00	2.95E+00	3.21E+00
4456	481863.09	3858377.25	2.1386	2.86E+00	3.01E+00	3.27E+00
4457	482363.09	3858377.25	2.23723	2.99E+00	3.15E+00	3.43E+00
4458	482863.09	3858377.25	2.52969	3.39E+00	3.56E+00	3.87E+00
4459	483363.09	3858377.25	2.40311	3.22E+00	3.38E+00	3.68E+00
4460	483863.09	3858377.25	2.68702	3.60E+00	3.78E+00	4.11E+00
4461	484363.09	3858377.25	3.14258	4.21E+00	4.42E+00	4.81E+00
4462	484863.09	3858377.25	3.62563	4.85E+00	5.10E+00	5.55E+00
4463	485363.09	3858377.25	3.93495	5.27E+00	5.54E+00	6.03E+00
4464	485863.09	3858377.25	4.37468	5.86E+00	6.16E+00	6.70E+00
4465	486363.09	3858377.25	5.42254	7.26E+00	7.63E+00	8.30E+00
4466	486863.09	3858377.25	6.69255	8.96E+00	9.42E+00	1.02E+01
4467	487363.09	3858377.25	8.82877	1.18E+01	1.24E+01	1.35E+01
4468	487863.09	3858377.25	13.51359	1.81E+01	1.90E+01	2.07E+01
4469	488363.09	3858377.25	11.76443	1.57E+01	1.66E+01	1.80E+01

4470	488863.09	3858377.25	7.17245	9.60E+00	1.01E+01	1.10E+01
4471	489363.09	3858377.25	6.75757	9.04E+00	9.51E+00	1.03E+01
4472	489863.09	3858377.25	4.87328	6.52E+00	6.86E+00	7.46E+00
4473	490363.09	3858377.25	3.43535	4.60E+00	4.83E+00	5.26E+00
4474	490863.09	3858377.25	2.74397	3.67E+00	3.86E+00	4.20E+00
4475	491363.09	3858377.25	2.71502	3.63E+00	3.82E+00	4.16E+00
4476	491863.09	3858377.25	3.60347	4.82E+00	5.07E+00	5.52E+00
4477	492363.09	3858377.25	3.35245	4.49E+00	4.72E+00	5.13E+00
4478	492863.09	3858377.25	3.66186	4.90E+00	5.15E+00	5.61E+00
4479	493363.09	3858377.25	3.2002	4.28E+00	4.50E+00	4.90E+00
4480	493863.09	3858377.25	3.10437	4.15E+00	4.37E+00	4.75E+00
4481	494363.09	3858377.25	2.769	3.71E+00	3.90E+00	4.24E+00
4482	494863.09	3858377.25	2.169	2.90E+00	3.05E+00	3.32E+00
4483	495363.09	3858377.25	1.51625	2.03E+00	2.13E+00	2.32E+00
4484	495863.09	3858377.25	1.52019	2.03E+00	2.14E+00	2.33E+00
4485	496363.09	3858377.25	1.50539	2.01E+00	2.12E+00	2.31E+00
4486	496863.09	3858377.25	1.80204	2.41E+00	2.54E+00	2.76E+00
4487	497363.09	3858377.25	1.80196	2.41E+00	2.54E+00	2.76E+00
4488	497863.09	3858377.25	2.10751	2.82E+00	2.97E+00	3.23E+00
4489	498363.09	3858377.25	2.53083	3.39E+00	3.56E+00	3.88E+00
4490	471363.09	3858877.25	0.7585	1.02E+00	1.07E+00	1.16E+00
4491	471863.09	3858877.25	0.75108	1.01E+00	1.06E+00	1.15E+00
4492	472363.09	3858877.25	0.79703	1.07E+00	1.12E+00	1.22E+00
4493	472863.09	3858877.25	0.91756	1.23E+00	1.29E+00	1.40E+00
4494	473363.09	3858877.25	1.02567	1.37E+00	1.44E+00	1.57E+00
4495	473863.09	3858877.25	1.00955	1.35E+00	1.42E+00	1.55E+00
4496	474363.09	3858877.25	0.85726	1.15E+00	1.21E+00	1.31E+00
4497	474863.09	3858877.25	0.59276	7.93E-01	8.34E-01	9.08E-01
4498	475363.09	3858877.25	0.38384	5.14E-01	5.40E-01	5.88E-01
4499	475863.09	3858877.25	0.46881	6.27E-01	6.60E-01	7.18E-01
4500	476363.09	3858877.25	0.34286	4.59E-01	4.82E-01	5.25E-01
4501	476863.09	3858877.25	0.38821	5.20E-01	5.46E-01	5.94E-01
4502	477363.09	3858877.25	0.40116	5.37E-01	5.64E-01	6.14E-01
4503	477863.09	3858877.25	0.49307	6.60E-01	6.94E-01	7.55E-01
4504	478363.09	3858877.25	0.90404	1.21E+00	1.27E+00	1.38E+00
4505	478863.09	3858877.25	0.88066	1.18E+00	1.24E+00	1.35E+00
4506	479363.09	3858877.25	0.782	1.05E+00	1.10E+00	1.20E+00
4507	479863.09	3858877.25	1.4839	1.99E+00	2.09E+00	2.27E+00
4508	480363.09	3858877.25	1.71543	2.30E+00	2.41E+00	2.63E+00
4509	480863.09	3858877.25	1.88081	2.52E+00	2.65E+00	2.88E+00
4510	481363.09	3858877.25	2.00997	2.69E+00	2.83E+00	3.08E+00
4511	481863.09	3858877.25	2.15108	2.88E+00	3.03E+00	3.29E+00
4512	482363.09	3858877.25	2.26039	3.03E+00	3.18E+00	3.46E+00
4513	482863.09	3858877.25	2.48238	3.32E+00	3.49E+00	3.80E+00
4514	483363.09	3858877.25	2.15781	2.89E+00	3.04E+00	3.30E+00
4515	483863.09	3858877.25	2.35219	3.15E+00	3.31E+00	3.60E+00
4516	484363.09	3858877.25	2.61032	3.49E+00	3.67E+00	4.00E+00
4517	484863.09	3858877.25	2.89373	3.87E+00	4.07E+00	4.43E+00
4518	485363.09	3858877.25	3.18647	4.26E+00	4.48E+00	4.88E+00
4519	485863.09	3858877.25	3.56655	4.77E+00	5.02E+00	5.46E+00
4520	486363.09	3858877.25	4.25649	5.70E+00	5.99E+00	6.52E+00
4521	486863.09	3858877.25	5.2373	7.01E+00	7.37E+00	8.02E+00
4522	487363.09	3858877.25	6.4796	8.67E+00	9.12E+00	9.92E+00
4523	487863.09	3858877.25	8.78916	1.18E+01	1.24E+01	1.35E+01
4524	488363.09	3858877.25	14.70804	1.97E+01	2.07E+01	2.25E+01
4525	488863.09	3858877.25	48.35914	6.47E+01	6.80E+01	7.40E+01
4526	489363.09	3858877.25	10.97032	1.47E+01	1.54E+01	1.68E+01
4527	489863.09	3858877.25	8.97272	1.20E+01	1.26E+01	1.37E+01
4528	490363.09	3858877.25	5.28117	7.07E+00	7.43E+00	8.09E+00
4529	490863.09	3858877.25	2.63244	3.52E+00	3.70E+00	4.03E+00
4530	491363.09	3858877.25	3.4299	4.59E+00	4.83E+00	5.25E+00
4531	491863.09	3858877.25	3.57528	4.79E+00	5.03E+00	5.47E+00
4532	492363.09	3858877.25	3.4334	4.60E+00	4.83E+00	5.26E+00

4533	492863.09	3858877.25	3.25932	4.36E+00	4.59E+00	4.99E+00
4534	493363.09	3858877.25	3.60972	4.83E+00	5.08E+00	5.53E+00
4535	493863.09	3858877.25	3.59662	4.81E+00	5.06E+00	5.51E+00
4536	494363.09	3858877.25	3.48505	4.66E+00	4.90E+00	5.34E+00
4537	494863.09	3858877.25	3.35547	4.49E+00	4.72E+00	5.14E+00
4538	495363.09	3858877.25	3.13146	4.19E+00	4.41E+00	4.79E+00
4539	495863.09	3858877.25	2.7573	3.69E+00	3.88E+00	4.22E+00
4540	496363.09	3858877.25	2.54237	3.40E+00	3.58E+00	3.89E+00
4541	496863.09	3858877.25	2.34209	3.13E+00	3.30E+00	3.59E+00
4542	497363.09	3858877.25	2.39418	3.20E+00	3.37E+00	3.67E+00
4543	497863.09	3858877.25	2.68072	3.59E+00	3.77E+00	4.10E+00
4544	498363.09	3858877.25	2.53029	3.39E+00	3.56E+00	3.87E+00
4545	471363.09	3859377.25	0.72867	9.75E-01	1.03E+00	1.12E+00
4546	471863.09	3859377.25	0.74684	1.00E+00	1.05E+00	1.14E+00
4547	472363.09	3859377.25	0.8005	1.07E+00	1.13E+00	1.23E+00
4548	472863.09	3859377.25	0.90573	1.21E+00	1.27E+00	1.39E+00
4549	473363.09	3859377.25	0.99176	1.33E+00	1.40E+00	1.52E+00
4550	473863.09	3859377.25	0.99784	1.34E+00	1.40E+00	1.53E+00
4551	474363.09	3859377.25	0.83432	1.12E+00	1.17E+00	1.28E+00
4552	474863.09	3859377.25	0.85487	1.14E+00	1.20E+00	1.31E+00
4553	475363.09	3859377.25	0.54761	7.33E-01	7.71E-01	8.38E-01
4554	475863.09	3859377.25	0.38477	5.15E-01	5.41E-01	5.89E-01
4555	476363.09	3859377.25	0.37683	5.04E-01	5.30E-01	5.77E-01
4556	476863.09	3859377.25	0.32416	4.34E-01	4.56E-01	4.96E-01
4557	477363.09	3859377.25	0.33148	4.44E-01	4.66E-01	5.08E-01
4558	477863.09	3859377.25	0.58902	7.88E-01	8.29E-01	9.02E-01
4559	478363.09	3859377.25	0.8118	1.09E+00	1.14E+00	1.24E+00
4560	478863.09	3859377.25	1.00917	1.35E+00	1.42E+00	1.55E+00
4561	479363.09	3859377.25	0.9662	1.29E+00	1.36E+00	1.48E+00
4562	479863.09	3859377.25	1.22603	1.64E+00	1.73E+00	1.88E+00
4563	480363.09	3859377.25	1.48921	1.99E+00	2.10E+00	2.28E+00
4564	480863.09	3859377.25	1.64099	2.20E+00	2.31E+00	2.51E+00
4565	481363.09	3859377.25	1.74184	2.33E+00	2.45E+00	2.67E+00
4566	481863.09	3859377.25	1.83836	2.46E+00	2.59E+00	2.81E+00
4567	482363.09	3859377.25	1.93282	2.59E+00	2.72E+00	2.96E+00
4568	482863.09	3859377.25	2.07892	2.78E+00	2.93E+00	3.18E+00
4569	483363.09	3859377.25	2.1718	2.91E+00	3.06E+00	3.33E+00
4570	483863.09	3859377.25	2.02234	2.71E+00	2.85E+00	3.10E+00
4571	484363.09	3859377.25	2.17835	2.92E+00	3.07E+00	3.34E+00
4572	484863.09	3859377.25	2.36461	3.16E+00	3.33E+00	3.62E+00
4573	485363.09	3859377.25	2.61129	3.50E+00	3.67E+00	4.00E+00
4574	485863.09	3859377.25	2.91891	3.91E+00	4.11E+00	4.47E+00
4575	486363.09	3859377.25	3.31948	4.44E+00	4.67E+00	5.08E+00
4576	486863.09	3859377.25	3.81214	5.10E+00	5.36E+00	5.84E+00
4577	487363.09	3859377.25	4.50311	6.03E+00	6.34E+00	6.90E+00
4578	487863.09	3859377.25	5.59635	7.49E+00	7.87E+00	8.57E+00
4579	488363.09	3859377.25	7.12155	9.53E+00	1.00E+01	1.09E+01
4580	488863.09	3859377.25	10.61854	1.42E+01	1.49E+01	1.63E+01
4581	489363.09	3859377.25	20.66973	2.77E+01	2.91E+01	3.16E+01
4582	489863.09	3859377.25	27.43158	3.67E+01	3.86E+01	4.20E+01
4583	490363.09	3859377.25	12.49399	1.67E+01	1.76E+01	1.91E+01
4584	490863.09	3859377.25	4.6118	6.17E+00	6.49E+00	7.06E+00
4585	491363.09	3859377.25	3.22744	4.32E+00	4.54E+00	4.94E+00
4586	491863.09	3859377.25	2.55934	3.43E+00	3.60E+00	3.92E+00
4587	492363.09	3859377.25	2.69042	3.60E+00	3.79E+00	4.12E+00
4588	492863.09	3859377.25	2.50744	3.36E+00	3.53E+00	3.84E+00
4589	493363.09	3859377.25	2.7338	3.66E+00	3.85E+00	4.19E+00
4590	493863.09	3859377.25	2.94444	3.94E+00	4.14E+00	4.51E+00
4591	494363.09	3859377.25	3.27751	4.39E+00	4.61E+00	5.02E+00
4592	494863.09	3859377.25	3.34627	4.48E+00	4.71E+00	5.12E+00
4593	495363.09	3859377.25	3.37782	4.52E+00	4.75E+00	5.17E+00
4594	495863.09	3859377.25	3.42335	4.58E+00	4.82E+00	5.24E+00
4595	496363.09	3859377.25	3.38315	4.53E+00	4.76E+00	5.18E+00

4596	496863.09	3859377.25	3.10365	4.15E+00	4.37E+00	4.75E+00
4597	497363.09	3859377.25	2.81544	3.77E+00	3.96E+00	4.31E+00
4598	497863.09	3859377.25	2.46578	3.30E+00	3.47E+00	3.78E+00
4599	498363.09	3859377.25	2.17909	2.92E+00	3.07E+00	3.34E+00
4600	471363.09	3859877.25	0.70028	9.37E-01	9.85E-01	1.07E+00
4601	471863.09	3859877.25	0.72299	9.68E-01	1.02E+00	1.11E+00
4602	472363.09	3859877.25	0.73328	9.81E-01	1.03E+00	1.12E+00
4603	472863.09	3859877.25	0.85987	1.15E+00	1.21E+00	1.32E+00
4604	473363.09	3859877.25	0.91945	1.23E+00	1.29E+00	1.41E+00
4605	473863.09	3859877.25	0.92716	1.24E+00	1.30E+00	1.42E+00
4606	474363.09	3859877.25	0.85729	1.15E+00	1.21E+00	1.31E+00
4607	474863.09	3859877.25	0.82555	1.10E+00	1.16E+00	1.26E+00
4608	475363.09	3859877.25	0.61893	8.28E-01	8.71E-01	9.48E-01
4609	475863.09	3859877.25	0.38174	5.11E-01	5.37E-01	5.85E-01
4610	476363.09	3859877.25	0.30742	4.11E-01	4.33E-01	4.71E-01
4611	476863.09	3859877.25	0.32178	4.31E-01	4.53E-01	4.93E-01
4612	477363.09	3859877.25	0.3287	4.40E-01	4.63E-01	5.03E-01
4613	477863.09	3859877.25	0.55264	7.40E-01	7.78E-01	8.46E-01
4614	478363.09	3859877.25	0.78901	1.06E+00	1.11E+00	1.21E+00
4615	478863.09	3859877.25	0.93229	1.25E+00	1.31E+00	1.43E+00
4616	479363.09	3859877.25	0.94314	1.26E+00	1.33E+00	1.44E+00
4617	479863.09	3859877.25	1.12083	1.50E+00	1.58E+00	1.72E+00
4618	480363.09	3859877.25	1.31397	1.76E+00	1.85E+00	2.01E+00
4619	480863.09	3859877.25	1.42877	1.91E+00	2.01E+00	2.19E+00
4620	481363.09	3859877.25	1.51588	2.03E+00	2.13E+00	2.32E+00
4621	481863.09	3859877.25	1.54728	2.07E+00	2.18E+00	2.37E+00
4622	482363.09	3859877.25	1.64717	2.20E+00	2.32E+00	2.52E+00
4623	482863.09	3859877.25	1.75214	2.35E+00	2.47E+00	2.68E+00
4624	483363.09	3859877.25	1.8623	2.49E+00	2.62E+00	2.85E+00
4625	483863.09	3859877.25	1.67891	2.25E+00	2.36E+00	2.57E+00
4626	484363.09	3859877.25	1.80169	2.41E+00	2.54E+00	2.76E+00
4627	484863.09	3859877.25	1.94473	2.60E+00	2.74E+00	2.98E+00
4628	485363.09	3859877.25	2.10036	2.81E+00	2.96E+00	3.22E+00
4629	485863.09	3859877.25	2.26977	3.04E+00	3.19E+00	3.48E+00
4630	486363.09	3859877.25	2.47582	3.31E+00	3.48E+00	3.79E+00
4631	486863.09	3859877.25	2.76768	3.70E+00	3.89E+00	4.24E+00
4632	487363.09	3859877.25	3.06492	4.10E+00	4.31E+00	4.69E+00
4633	487863.09	3859877.25	3.64455	4.88E+00	5.13E+00	5.58E+00
4634	488363.09	3859877.25	4.24299	5.68E+00	5.97E+00	6.50E+00
4635	488863.09	3859877.25	5.24762	7.02E+00	7.38E+00	8.04E+00
4636	489363.09	3859877.25	6.59534	8.83E+00	9.28E+00	1.01E+01
4637	489863.09	3859877.25	8.70462	1.17E+01	1.22E+01	1.33E+01
4638	490363.09	3859877.25	15.31592	2.05E+01	2.16E+01	2.35E+01
4639	490863.09	3859877.25	51.99492	6.96E+01	7.32E+01	7.96E+01
4640	491363.09	3859877.25	14.23209	1.90E+01	2.00E+01	2.18E+01
4641	491863.09	3859877.25	9.55111	1.28E+01	1.34E+01	1.46E+01
4642	492363.09	3859877.25	7.10185	9.51E+00	9.99E+00	1.09E+01
4643	492863.09	3859877.25	5.03264	6.74E+00	7.08E+00	7.71E+00
4644	493363.09	3859877.25	4.08638	5.47E+00	5.75E+00	6.26E+00
4645	493863.09	3859877.25	3.40698	4.56E+00	4.79E+00	5.22E+00
4646	494363.09	3859877.25	2.62565	3.51E+00	3.69E+00	4.02E+00
4647	494863.09	3859877.25	2.5622	3.43E+00	3.61E+00	3.92E+00
4648	495363.09	3859877.25	2.60771	3.49E+00	3.67E+00	3.99E+00
4649	495863.09	3859877.25	2.65119	3.55E+00	3.73E+00	4.06E+00
4650	496363.09	3859877.25	2.95235	3.95E+00	4.15E+00	4.52E+00
4651	496863.09	3859877.25	3.06836	4.11E+00	4.32E+00	4.70E+00
4652	497363.09	3859877.25	3.08359	4.13E+00	4.34E+00	4.72E+00
4653	497863.09	3859877.25	2.31333	3.10E+00	3.25E+00	3.54E+00
4654	498363.09	3859877.25	1.80226	2.41E+00	2.54E+00	2.76E+00
4655	471363.09	3860377.25	0.68147	9.12E-01	9.59E-01	1.04E+00
4656	471863.09	3860377.25	0.69298	9.28E-01	9.75E-01	1.06E+00
4657	472363.09	3860377.25	0.70303	9.41E-01	9.89E-01	1.08E+00
4658	472863.09	3860377.25	0.79318	1.06E+00	1.12E+00	1.21E+00

4659	473363.09	3860377.25	0.84157	1.13E+00	1.18E+00	1.29E+00
4660	473863.09	3860377.25	0.85293	1.14E+00	1.20E+00	1.31E+00
4661	474363.09	3860377.25	0.84646	1.13E+00	1.19E+00	1.30E+00
4662	474863.09	3860377.25	0.8012	1.07E+00	1.13E+00	1.23E+00
4663	475363.09	3860377.25	0.79157	1.06E+00	1.11E+00	1.21E+00
4664	475863.09	3860377.25	0.79401	1.06E+00	1.12E+00	1.22E+00
4665	476363.09	3860377.25	0.72199	9.66E-01	1.02E+00	1.11E+00
4666	476863.09	3860377.25	0.66938	8.96E-01	9.42E-01	1.02E+00
4667	477363.09	3860377.25	0.44609	5.97E-01	6.28E-01	6.83E-01
4668	477863.09	3860377.25	0.60848	8.14E-01	8.56E-01	9.32E-01
4669	478363.09	3860377.25	0.78718	1.05E+00	1.11E+00	1.21E+00
4670	478863.09	3860377.25	0.90899	1.22E+00	1.28E+00	1.39E+00
4671	479363.09	3860377.25	0.94533	1.27E+00	1.33E+00	1.45E+00
4672	479863.09	3860377.25	1.20569	1.61E+00	1.70E+00	1.85E+00
4673	480363.09	3860377.25	1.3896	1.86E+00	1.96E+00	2.13E+00
4674	480863.09	3860377.25	1.49592	2.00E+00	2.10E+00	2.29E+00
4675	481363.09	3860377.25	1.57493	2.11E+00	2.22E+00	2.41E+00
4676	481863.09	3860377.25	1.59343	2.13E+00	2.24E+00	2.44E+00
4677	482363.09	3860377.25	1.68131	2.25E+00	2.37E+00	2.57E+00
4678	482863.09	3860377.25	1.78178	2.38E+00	2.51E+00	2.73E+00
4679	483363.09	3860377.25	1.83784	2.46E+00	2.59E+00	2.81E+00
4680	483863.09	3860377.25	1.92127	2.57E+00	2.70E+00	2.94E+00
4681	484363.09	3860377.25	1.75718	2.35E+00	2.47E+00	2.69E+00
4682	484863.09	3860377.25	1.85971	2.49E+00	2.62E+00	2.85E+00
4683	485363.09	3860377.25	1.96634	2.63E+00	2.77E+00	3.01E+00
4684	485863.09	3860377.25	2.08905	2.80E+00	2.94E+00	3.20E+00
4685	486363.09	3860377.25	2.20129	2.95E+00	3.10E+00	3.37E+00
4686	486863.09	3860377.25	2.31734	3.10E+00	3.26E+00	3.55E+00
4687	487363.09	3860377.25	2.47133	3.31E+00	3.48E+00	3.78E+00
4688	487863.09	3860377.25	2.74557	3.67E+00	3.86E+00	4.20E+00
4689	488363.09	3860377.25	2.99546	4.01E+00	4.21E+00	4.59E+00
4690	488863.09	3860377.25	3.3172	4.44E+00	4.67E+00	5.08E+00
4691	489363.09	3860377.25	3.66542	4.91E+00	5.16E+00	5.61E+00
4692	489863.09	3860377.25	4.18722	5.60E+00	5.89E+00	6.41E+00
4693	490363.09	3860377.25	5.40568	7.24E+00	7.61E+00	8.28E+00
4694	490863.09	3860377.25	8.49411	1.14E+01	1.20E+01	1.30E+01
4695	491363.09	3860377.25	12.52322	1.68E+01	1.76E+01	1.92E+01
4696	491863.09	3860377.25	21.44177	2.87E+01	3.02E+01	3.28E+01
4697	492363.09	3860377.25	11.61105	1.55E+01	1.63E+01	1.78E+01
4698	492863.09	3860377.25	7.99468	1.07E+01	1.12E+01	1.22E+01
4699	493363.09	3860377.25	6.64098	8.89E+00	9.34E+00	1.02E+01
4700	493863.09	3860377.25	4.73811	6.34E+00	6.67E+00	7.25E+00
4701	494363.09	3860377.25	4.59142	6.15E+00	6.46E+00	7.03E+00
4702	494863.09	3860377.25	3.93736	5.27E+00	5.54E+00	6.03E+00
4703	495363.09	3860377.25	3.60642	4.83E+00	5.07E+00	5.52E+00
4704	495863.09	3860377.25	2.70587	3.62E+00	3.81E+00	4.14E+00
4705	496363.09	3860377.25	2.5494	3.41E+00	3.59E+00	3.90E+00
4706	496863.09	3860377.25	2.66255	3.56E+00	3.75E+00	4.08E+00
4707	497363.09	3860377.25	2.95793	3.96E+00	4.16E+00	4.53E+00
4708	497863.09	3860377.25	2.49455	3.34E+00	3.51E+00	3.82E+00
4709	498363.09	3860377.25	2.19212	2.93E+00	3.08E+00	3.36E+00
4710	471363.09	3860877.25	0.67378	9.02E-01	9.48E-01	1.03E+00
4711	471863.09	3860877.25	0.68891	9.22E-01	9.69E-01	1.05E+00
4712	472363.09	3860877.25	0.71064	9.51E-01	1.00E+00	1.09E+00
4713	472863.09	3860877.25	0.81415	1.09E+00	1.15E+00	1.25E+00
4714	473363.09	3860877.25	0.86827	1.16E+00	1.22E+00	1.33E+00
4715	473863.09	3860877.25	0.89338	1.20E+00	1.26E+00	1.37E+00
4716	474363.09	3860877.25	0.9063	1.21E+00	1.28E+00	1.39E+00
4717	474863.09	3860877.25	0.93546	1.25E+00	1.32E+00	1.43E+00
4718	475363.09	3860877.25	0.93661	1.25E+00	1.32E+00	1.43E+00
4719	475863.09	3860877.25	0.8593	1.15E+00	1.21E+00	1.32E+00
4720	476363.09	3860877.25	0.81766	1.09E+00	1.15E+00	1.25E+00
4721	476863.09	3860877.25	0.85829	1.15E+00	1.21E+00	1.31E+00

4722	477363.09	3860877.25	0.85391	1.14E+00	1.20E+00	1.31E+00
4723	477863.09	3860877.25	0.79627	1.07E+00	1.12E+00	1.22E+00
4724	478363.09	3860877.25	0.65128	8.72E-01	9.16E-01	9.97E-01
4725	478863.09	3860877.25	0.87567	1.17E+00	1.23E+00	1.34E+00
4726	479363.09	3860877.25	1.01219	1.35E+00	1.42E+00	1.55E+00
4727	479863.09	3860877.25	1.29649	1.74E+00	1.82E+00	1.99E+00
4728	480363.09	3860877.25	1.46145	1.96E+00	2.06E+00	2.24E+00
4729	480863.09	3860877.25	1.53426	2.05E+00	2.16E+00	2.35E+00
4730	481363.09	3860877.25	1.58526	2.12E+00	2.23E+00	2.43E+00
4731	481863.09	3860877.25	1.55404	2.08E+00	2.19E+00	2.38E+00
4732	482363.09	3860877.25	1.58372	2.12E+00	2.23E+00	2.42E+00
4733	482863.09	3860877.25	1.62119	2.17E+00	2.28E+00	2.48E+00
4734	483363.09	3860877.25	1.65109	2.21E+00	2.32E+00	2.53E+00
4735	483863.09	3860877.25	1.67629	2.24E+00	2.36E+00	2.57E+00
4736	484363.09	3860877.25	1.52365	2.04E+00	2.14E+00	2.33E+00
4737	484863.09	3860877.25	1.58095	2.12E+00	2.22E+00	2.42E+00
4738	485363.09	3860877.25	1.67281	2.24E+00	2.35E+00	2.56E+00
4739	485863.09	3860877.25	1.77894	2.38E+00	2.50E+00	2.72E+00
4740	486363.09	3860877.25	1.83593	2.46E+00	2.58E+00	2.81E+00
4741	486863.09	3860877.25	1.93198	2.59E+00	2.72E+00	2.96E+00
4742	487363.09	3860877.25	2.03971	2.73E+00	2.87E+00	3.12E+00
4743	487863.09	3860877.25	2.1512	2.88E+00	3.03E+00	3.29E+00
4744	488363.09	3860877.25	2.37619	3.18E+00	3.34E+00	3.64E+00
4745	488863.09	3860877.25	2.35993	3.16E+00	3.32E+00	3.61E+00
4746	489363.09	3860877.25	2.54817	3.41E+00	3.59E+00	3.90E+00
4747	489863.09	3860877.25	2.77184	3.71E+00	3.90E+00	4.24E+00
4748	490363.09	3860877.25	3.25377	4.35E+00	4.58E+00	4.98E+00
4749	490863.09	3860877.25	4.09794	5.48E+00	5.77E+00	6.27E+00
4750	491363.09	3860877.25	6.01295	8.05E+00	8.46E+00	9.21E+00
4751	491863.09	3860877.25	8.79041	1.18E+01	1.24E+01	1.35E+01
4752	492363.09	3860877.25	14.82855	1.98E+01	2.09E+01	2.27E+01
4753	492863.09	3860877.25	10.83478	1.45E+01	1.52E+01	1.66E+01
4754	493363.09	3860877.25	8.04875	1.08E+01	1.13E+01	1.23E+01
4755	493863.09	3860877.25	6.01215	8.05E+00	8.46E+00	9.21E+00
4756	494363.09	3860877.25	4.98595	6.67E+00	7.02E+00	7.63E+00
4757	494863.09	3860877.25	4.25125	5.69E+00	5.98E+00	6.51E+00
4758	495363.09	3860877.25	3.49269	4.67E+00	4.91E+00	5.35E+00
4759	495863.09	3860877.25	2.91008	3.89E+00	4.09E+00	4.46E+00
4760	496363.09	3860877.25	3.07952	4.12E+00	4.33E+00	4.72E+00
4761	496863.09	3860877.25	2.60382	3.49E+00	3.66E+00	3.99E+00
4762	497363.09	3860877.25	2.45511	3.29E+00	3.45E+00	3.76E+00
4763	497863.09	3860877.25	2.1356	2.86E+00	3.00E+00	3.27E+00
4764	498363.09	3860877.25	2.31923	3.10E+00	3.26E+00	3.55E+00
4765	471363.09	3861377.25	0.7589	1.02E+00	1.07E+00	1.16E+00
4766	471863.09	3861377.25	0.79414	1.06E+00	1.12E+00	1.22E+00
4767	472363.09	3861377.25	0.8275	1.11E+00	1.16E+00	1.27E+00
4768	472863.09	3861377.25	0.92356	1.24E+00	1.30E+00	1.41E+00
4769	473363.09	3861377.25	0.96989	1.30E+00	1.36E+00	1.49E+00
4770	473863.09	3861377.25	0.98974	1.32E+00	1.39E+00	1.52E+00
4771	474363.09	3861377.25	1.00452	1.34E+00	1.41E+00	1.54E+00
4772	474863.09	3861377.25	1.02824	1.38E+00	1.45E+00	1.57E+00
4773	475363.09	3861377.25	1.05831	1.42E+00	1.49E+00	1.62E+00
4774	475863.09	3861377.25	1.06685	1.43E+00	1.50E+00	1.63E+00
4775	476363.09	3861377.25	1.01221	1.35E+00	1.42E+00	1.55E+00
4776	476863.09	3861377.25	0.95852	1.28E+00	1.35E+00	1.47E+00
4777	477363.09	3861377.25	0.92013	1.23E+00	1.29E+00	1.41E+00
4778	477863.09	3861377.25	0.83006	1.11E+00	1.17E+00	1.27E+00
4779	478363.09	3861377.25	0.73179	9.79E-01	1.03E+00	1.12E+00
4780	478863.09	3861377.25	0.74516	9.97E-01	1.05E+00	1.14E+00
4781	479363.09	3861377.25	0.91189	1.22E+00	1.28E+00	1.40E+00
4782	479863.09	3861377.25	1.19203	1.60E+00	1.68E+00	1.83E+00
4783	480363.09	3861377.25	1.34766	1.80E+00	1.90E+00	2.06E+00
4784	480863.09	3861377.25	1.38264	1.85E+00	1.95E+00	2.12E+00

4785	481363.09	3861377.25	1.40487	1.88E+00	1.98E+00	2.15E+00
4786	481863.09	3861377.25	1.32053	1.77E+00	1.86E+00	2.02E+00
4787	482363.09	3861377.25	1.35863	1.82E+00	1.91E+00	2.08E+00
4788	482863.09	3861377.25	1.39955	1.87E+00	1.97E+00	2.14E+00
4789	483363.09	3861377.25	1.45528	1.95E+00	2.05E+00	2.23E+00
4790	483863.09	3861377.25	1.39294	1.86E+00	1.96E+00	2.13E+00
4791	484363.09	3861377.25	1.47751	1.98E+00	2.08E+00	2.26E+00
4792	484863.09	3861377.25	1.44375	1.93E+00	2.03E+00	2.21E+00
4793	485363.09	3861377.25	1.49635	2.00E+00	2.11E+00	2.29E+00
4794	485863.09	3861377.25	1.56739	2.10E+00	2.21E+00	2.40E+00
4795	486363.09	3861377.25	1.63564	2.19E+00	2.30E+00	2.50E+00
4796	486863.09	3861377.25	1.70479	2.28E+00	2.40E+00	2.61E+00
4797	487363.09	3861377.25	1.72477	2.31E+00	2.43E+00	2.64E+00
4798	487863.09	3861377.25	1.73544	2.32E+00	2.44E+00	2.66E+00
4799	488363.09	3861377.25	1.75627	2.35E+00	2.47E+00	2.69E+00
4800	488863.09	3861377.25	1.87618	2.51E+00	2.64E+00	2.87E+00
4801	489363.09	3861377.25	1.95623	2.62E+00	2.75E+00	3.00E+00
4802	489863.09	3861377.25	1.97791	2.65E+00	2.78E+00	3.03E+00
4803	490363.09	3861377.25	2.19297	2.94E+00	3.09E+00	3.36E+00
4804	490863.09	3861377.25	2.72976	3.65E+00	3.84E+00	4.18E+00
4805	491363.09	3861377.25	3.2476	4.35E+00	4.57E+00	4.97E+00
4806	491863.09	3861377.25	4.6128	6.17E+00	6.49E+00	7.06E+00
4807	492363.09	3861377.25	6.0439	8.09E+00	8.50E+00	9.25E+00
4808	492863.09	3861377.25	8.31187	1.11E+01	1.17E+01	1.27E+01
4809	493363.09	3861377.25	8.23019	1.10E+01	1.16E+01	1.26E+01
4810	493863.09	3861377.25	6.65069	8.90E+00	9.36E+00	1.02E+01
4811	494363.09	3861377.25	5.37364	7.19E+00	7.56E+00	8.23E+00
4812	494863.09	3861377.25	4.4677	5.98E+00	6.29E+00	6.84E+00
4813	495363.09	3861377.25	3.72035	4.98E+00	5.23E+00	5.70E+00
4814	495863.09	3861377.25	3.26341	4.37E+00	4.59E+00	5.00E+00
4815	496363.09	3861377.25	3.00756	4.03E+00	4.23E+00	4.61E+00
4816	496863.09	3861377.25	2.79211	3.74E+00	3.93E+00	4.28E+00
4817	497363.09	3861377.25	2.49783	3.34E+00	3.51E+00	3.82E+00
4818	497863.09	3861377.25	2.28175	3.05E+00	3.21E+00	3.49E+00
4819	498363.09	3861377.25	2.30596	3.09E+00	3.24E+00	3.53E+00
4820	471363.09	3861877.25	0.79899	1.07E+00	1.12E+00	1.22E+00
4821	471863.09	3861877.25	0.81411	1.09E+00	1.15E+00	1.25E+00
4822	472363.09	3861877.25	0.83366	1.12E+00	1.17E+00	1.28E+00
4823	472863.09	3861877.25	0.90409	1.21E+00	1.27E+00	1.38E+00
4824	473363.09	3861877.25	0.92578	1.24E+00	1.30E+00	1.42E+00
4825	473863.09	3861877.25	0.93601	1.25E+00	1.32E+00	1.43E+00
4826	474363.09	3861877.25	0.95078	1.27E+00	1.34E+00	1.46E+00
4827	474863.09	3861877.25	0.97363	1.30E+00	1.37E+00	1.49E+00
4828	475363.09	3861877.25	0.99702	1.33E+00	1.40E+00	1.53E+00
4829	475863.09	3861877.25	1.015	1.36E+00	1.43E+00	1.55E+00
4830	476363.09	3861877.25	1.03421	1.38E+00	1.46E+00	1.58E+00
4831	476863.09	3861877.25	1.02657	1.37E+00	1.44E+00	1.57E+00
4832	477363.09	3861877.25	0.98816	1.32E+00	1.39E+00	1.51E+00
4833	477863.09	3861877.25	0.78606	1.05E+00	1.11E+00	1.20E+00
4834	478363.09	3861877.25	0.68954	9.23E-01	9.70E-01	1.06E+00
4835	478863.09	3861877.25	0.71809	9.61E-01	1.01E+00	1.10E+00
4836	479363.09	3861877.25	0.71599	9.58E-01	1.01E+00	1.10E+00
4837	479863.09	3861877.25	1.16512	1.56E+00	1.64E+00	1.78E+00
4838	480363.09	3861877.25	1.31025	1.75E+00	1.84E+00	2.01E+00
4839	480863.09	3861877.25	1.3384	1.79E+00	1.88E+00	2.05E+00
4840	481363.09	3861877.25	1.33327	1.78E+00	1.88E+00	2.04E+00
4841	481863.09	3861877.25	1.23831	1.66E+00	1.74E+00	1.90E+00
4842	482363.09	3861877.25	1.26312	1.69E+00	1.78E+00	1.93E+00
4843	482863.09	3861877.25	1.29378	1.73E+00	1.82E+00	1.98E+00
4844	483363.09	3861877.25	1.29203	1.73E+00	1.82E+00	1.98E+00
4845	483863.09	3861877.25	1.25848	1.68E+00	1.77E+00	1.93E+00
4846	484363.09	3861877.25	1.28203	1.72E+00	1.80E+00	1.96E+00
4847	484863.09	3861877.25	1.32993	1.78E+00	1.87E+00	2.04E+00

4848	485363.09	3861877.25	1.38703	1.86E+00	1.95E+00	2.12E+00
4849	485863.09	3861877.25	1.39992	1.87E+00	1.97E+00	2.14E+00
4850	486363.09	3861877.25	1.41657	1.90E+00	1.99E+00	2.17E+00
4851	486863.09	3861877.25	1.42122	1.90E+00	2.00E+00	2.18E+00
4852	487363.09	3861877.25	1.41518	1.89E+00	1.99E+00	2.17E+00
4853	487863.09	3861877.25	1.4328	1.92E+00	2.02E+00	2.19E+00
4854	488363.09	3861877.25	1.45151	1.94E+00	2.04E+00	2.22E+00
4855	488863.09	3861877.25	1.44659	1.94E+00	2.04E+00	2.22E+00
4856	489363.09	3861877.25	1.47692	1.98E+00	2.08E+00	2.26E+00
4857	489863.09	3861877.25	1.60953	2.15E+00	2.26E+00	2.46E+00
4858	490363.09	3861877.25	1.70483	2.28E+00	2.40E+00	2.61E+00
4859	490863.09	3861877.25	1.96329	2.63E+00	2.76E+00	3.01E+00
4860	491363.09	3861877.25	2.27149	3.04E+00	3.20E+00	3.48E+00
4861	491863.09	3861877.25	2.75819	3.69E+00	3.88E+00	4.22E+00
4862	492363.09	3861877.25	3.74198	5.01E+00	5.27E+00	5.73E+00
4863	492863.09	3861877.25	4.769	6.38E+00	6.71E+00	7.30E+00
4864	493363.09	3861877.25	5.78551	7.74E+00	8.14E+00	8.86E+00
4865	493863.09	3861877.25	5.00936	6.70E+00	7.05E+00	7.67E+00
4866	494363.09	3861877.25	5.00323	6.70E+00	7.04E+00	7.66E+00
4867	494863.09	3861877.25	4.59538	6.15E+00	6.47E+00	7.04E+00
4868	495363.09	3861877.25	3.79179	5.08E+00	5.34E+00	5.81E+00
4869	495863.09	3861877.25	3.40993	4.56E+00	4.80E+00	5.22E+00
4870	496363.09	3861877.25	3.0211	4.04E+00	4.25E+00	4.63E+00
4871	496863.09	3861877.25	3.30852	4.43E+00	4.66E+00	5.07E+00
4872	497363.09	3861877.25	2.45698	3.29E+00	3.46E+00	3.76E+00
4873	497863.09	3861877.25	2.27137	3.04E+00	3.20E+00	3.48E+00
4874	498363.09	3861877.25	2.06564	2.76E+00	2.91E+00	3.16E+00
4875	471363.09	3862377.25	0.71864	9.62E-01	1.01E+00	1.10E+00
4876	471863.09	3862377.25	0.73953	9.90E-01	1.04E+00	1.13E+00
4877	472363.09	3862377.25	0.79299	1.06E+00	1.12E+00	1.21E+00
4878	472863.09	3862377.25	0.865	1.16E+00	1.22E+00	1.32E+00
4879	473363.09	3862377.25	0.88943	1.19E+00	1.25E+00	1.36E+00
4880	473863.09	3862377.25	0.88953	1.19E+00	1.25E+00	1.36E+00
4881	474363.09	3862377.25	0.89258	1.19E+00	1.26E+00	1.37E+00
4882	474863.09	3862377.25	0.90875	1.22E+00	1.28E+00	1.39E+00
4883	475363.09	3862377.25	0.92974	1.24E+00	1.31E+00	1.42E+00
4884	475863.09	3862377.25	0.94747	1.27E+00	1.33E+00	1.45E+00
4885	476363.09	3862377.25	0.98075	1.31E+00	1.38E+00	1.50E+00
4886	476863.09	3862377.25	1.01118	1.35E+00	1.42E+00	1.55E+00
4887	477363.09	3862377.25	1.02752	1.38E+00	1.45E+00	1.57E+00
4888	477863.09	3862377.25	0.90745	1.21E+00	1.28E+00	1.39E+00
4889	478363.09	3862377.25	0.81516	1.09E+00	1.15E+00	1.25E+00
4890	478863.09	3862377.25	0.77852	1.04E+00	1.10E+00	1.19E+00
4891	479363.09	3862377.25	0.91138	1.22E+00	1.28E+00	1.40E+00
4892	479863.09	3862377.25	1.19394	1.60E+00	1.68E+00	1.83E+00
4893	480363.09	3862377.25	1.23403	1.65E+00	1.74E+00	1.89E+00
4894	480863.09	3862377.25	1.23526	1.65E+00	1.74E+00	1.89E+00
4895	481363.09	3862377.25	1.22152	1.63E+00	1.72E+00	1.87E+00
4896	481863.09	3862377.25	1.06117	1.42E+00	1.49E+00	1.62E+00
4897	482363.09	3862377.25	1.08239	1.45E+00	1.52E+00	1.66E+00
4898	482863.09	3862377.25	1.103	1.48E+00	1.55E+00	1.69E+00
4899	483363.09	3862377.25	1.13275	1.52E+00	1.59E+00	1.73E+00
4900	483863.09	3862377.25	1.14078	1.53E+00	1.61E+00	1.75E+00
4901	484363.09	3862377.25	1.16893	1.56E+00	1.64E+00	1.79E+00
4902	484863.09	3862377.25	1.20705	1.62E+00	1.70E+00	1.85E+00
4903	485363.09	3862377.25	1.20765	1.62E+00	1.70E+00	1.85E+00
4904	485863.09	3862377.25	1.2095	1.62E+00	1.70E+00	1.85E+00
4905	486363.09	3862377.25	1.19141	1.59E+00	1.68E+00	1.82E+00
4906	486863.09	3862377.25	1.18317	1.58E+00	1.66E+00	1.81E+00
4907	487363.09	3862377.25	1.18234	1.58E+00	1.66E+00	1.81E+00
4908	487863.09	3862377.25	1.18138	1.58E+00	1.66E+00	1.81E+00
4909	488363.09	3862377.25	1.21109	1.62E+00	1.70E+00	1.85E+00
4910	488863.09	3862377.25	1.29909	1.74E+00	1.83E+00	1.99E+00

4911	489363.09	3862377.25	1.34344	1.80E+00	1.89E+00	2.06E+00
4912	489863.09	3862377.25	1.41378	1.89E+00	1.99E+00	2.16E+00
4913	490363.09	3862377.25	1.49847	2.01E+00	2.11E+00	2.29E+00
4914	490863.09	3862377.25	1.63827	2.19E+00	2.31E+00	2.51E+00
4915	491363.09	3862377.25	1.92956	2.58E+00	2.72E+00	2.95E+00
4916	491863.09	3862377.25	2.07386	2.78E+00	2.92E+00	3.18E+00
4917	492363.09	3862377.25	2.45466	3.29E+00	3.45E+00	3.76E+00
4918	492863.09	3862377.25	3.25598	4.36E+00	4.58E+00	4.99E+00
4919	493363.09	3862377.25	4.08368	5.47E+00	5.75E+00	6.25E+00
4920	493863.09	3862377.25	4.62287	6.19E+00	6.50E+00	7.08E+00
4921	494363.09	3862377.25	4.35941	5.83E+00	6.13E+00	6.68E+00
4922	494863.09	3862377.25	3.88913	5.21E+00	5.47E+00	5.95E+00
4923	495363.09	3862377.25	3.63435	4.86E+00	5.11E+00	5.56E+00
4924	495863.09	3862377.25	3.3882	4.53E+00	4.77E+00	5.19E+00
4925	496363.09	3862377.25	2.86277	3.83E+00	4.03E+00	4.38E+00
4926	496863.09	3862377.25	2.72827	3.65E+00	3.84E+00	4.18E+00
4927	497363.09	3862377.25	2.33816	3.13E+00	3.29E+00	3.58E+00
4928	497863.09	3862377.25	2.1746	2.91E+00	3.06E+00	3.33E+00
4929	498363.09	3862377.25	1.90165	2.55E+00	2.68E+00	2.91E+00
4930	471363.09	3862877.25	0.64962	8.69E-01	9.14E-01	9.95E-01
4931	471863.09	3862877.25	0.6548	8.76E-01	9.21E-01	1.00E+00
4932	472363.09	3862877.25	0.73913	9.89E-01	1.04E+00	1.13E+00
4933	472863.09	3862877.25	0.80815	1.08E+00	1.14E+00	1.24E+00
4934	473363.09	3862877.25	0.82665	1.11E+00	1.16E+00	1.27E+00
4935	473863.09	3862877.25	0.83475	1.12E+00	1.17E+00	1.28E+00
4936	474363.09	3862877.25	0.85659	1.15E+00	1.21E+00	1.31E+00
4937	474863.09	3862877.25	0.88154	1.18E+00	1.24E+00	1.35E+00
4938	475363.09	3862877.25	0.89043	1.19E+00	1.25E+00	1.36E+00
4939	475863.09	3862877.25	0.92999	1.24E+00	1.31E+00	1.42E+00
4940	476363.09	3862877.25	0.96504	1.29E+00	1.36E+00	1.48E+00
4941	476863.09	3862877.25	1.01862	1.36E+00	1.43E+00	1.56E+00
4942	477363.09	3862877.25	1.05842	1.42E+00	1.49E+00	1.62E+00
4943	477863.09	3862877.25	1.0353	1.39E+00	1.46E+00	1.59E+00
4944	478363.09	3862877.25	0.88052	1.18E+00	1.24E+00	1.35E+00
4945	478863.09	3862877.25	0.90243	1.21E+00	1.27E+00	1.38E+00
4946	479363.09	3862877.25	0.93441	1.25E+00	1.31E+00	1.43E+00
4947	479863.09	3862877.25	1.17251	1.57E+00	1.65E+00	1.80E+00
4948	480363.09	3862877.25	1.14922	1.54E+00	1.62E+00	1.76E+00
4949	480863.09	3862877.25	1.15224	1.54E+00	1.62E+00	1.76E+00
4950	481363.09	3862877.25	1.07803	1.44E+00	1.52E+00	1.65E+00
4951	481863.09	3862877.25	1.08959	1.46E+00	1.53E+00	1.67E+00
4952	482363.09	3862877.25	0.97785	1.31E+00	1.38E+00	1.50E+00
4953	482863.09	3862877.25	0.99748	1.34E+00	1.40E+00	1.53E+00
4954	483363.09	3862877.25	1.02133	1.37E+00	1.44E+00	1.56E+00
4955	483863.09	3862877.25	1.04403	1.40E+00	1.47E+00	1.60E+00
4956	484363.09	3862877.25	1.05745	1.42E+00	1.49E+00	1.62E+00
4957	484863.09	3862877.25	1.05352	1.41E+00	1.48E+00	1.61E+00
4958	485363.09	3862877.25	1.03779	1.39E+00	1.46E+00	1.59E+00
4959	485863.09	3862877.25	1.01003	1.35E+00	1.42E+00	1.55E+00
4960	486363.09	3862877.25	1.005	1.35E+00	1.41E+00	1.54E+00
4961	486863.09	3862877.25	1.00893	1.35E+00	1.42E+00	1.54E+00
4962	487363.09	3862877.25	1.03535	1.39E+00	1.46E+00	1.59E+00
4963	487863.09	3862877.25	1.06511	1.43E+00	1.50E+00	1.63E+00
4964	488363.09	3862877.25	1.09165	1.46E+00	1.54E+00	1.67E+00
4965	488863.09	3862877.25	1.18445	1.59E+00	1.67E+00	1.81E+00
4966	489363.09	3862877.25	1.22887	1.64E+00	1.73E+00	1.88E+00
4967	489863.09	3862877.25	1.27297	1.70E+00	1.79E+00	1.95E+00
4968	490363.09	3862877.25	1.3431	1.80E+00	1.89E+00	2.06E+00
4969	490863.09	3862877.25	1.45468	1.95E+00	2.05E+00	2.23E+00
4970	491363.09	3862877.25	1.58692	2.12E+00	2.23E+00	2.43E+00
4971	491863.09	3862877.25	1.78021	2.38E+00	2.50E+00	2.73E+00
4972	492363.09	3862877.25	1.94424	2.60E+00	2.74E+00	2.98E+00
4973	492863.09	3862877.25	2.38765	3.20E+00	3.36E+00	3.66E+00

4974	493363.09	3862877.25	2.87736	3.85E+00	4.05E+00	4.41E+00
4975	493863.09	3862877.25	3.57651	4.79E+00	5.03E+00	5.48E+00
4976	494363.09	3862877.25	3.98623	5.34E+00	5.61E+00	6.10E+00
4977	494863.09	3862877.25	3.83707	5.14E+00	5.40E+00	5.88E+00
4978	495363.09	3862877.25	3.16535	4.24E+00	4.45E+00	4.85E+00
4979	495863.09	3862877.25	3.13171	4.19E+00	4.41E+00	4.80E+00
4980	496363.09	3862877.25	2.8611	3.83E+00	4.03E+00	4.38E+00
4981	496863.09	3862877.25	2.68057	3.59E+00	3.77E+00	4.10E+00
4982	497363.09	3862877.25	2.27405	3.04E+00	3.20E+00	3.48E+00
4983	497863.09	3862877.25	2.09315	2.80E+00	2.95E+00	3.21E+00
4984	498363.09	3862877.25	1.98727	2.66E+00	2.80E+00	3.04E+00
4985	471363.09	3863377.25	0.63059	8.44E-01	8.87E-01	9.66E-01
4986	471863.09	3863377.25	0.65149	8.72E-01	9.17E-01	9.98E-01
4987	472363.09	3863377.25	0.73583	9.85E-01	1.04E+00	1.13E+00
4988	472863.09	3863377.25	0.7829	1.05E+00	1.10E+00	1.20E+00
4989	473363.09	3863377.25	0.78625	1.05E+00	1.11E+00	1.20E+00
4990	473863.09	3863377.25	0.80726	1.08E+00	1.14E+00	1.24E+00
4991	474363.09	3863377.25	0.84252	1.13E+00	1.19E+00	1.29E+00
4992	474863.09	3863377.25	0.85838	1.15E+00	1.21E+00	1.31E+00
4993	475363.09	3863377.25	0.90401	1.21E+00	1.27E+00	1.38E+00
4994	475863.09	3863377.25	0.9409	1.26E+00	1.32E+00	1.44E+00
4995	476363.09	3863377.25	0.9596	1.28E+00	1.35E+00	1.47E+00
4996	476863.09	3863377.25	0.98157	1.31E+00	1.38E+00	1.50E+00
4997	477363.09	3863377.25	1.01015	1.35E+00	1.42E+00	1.55E+00
4998	477863.09	3863377.25	1.04344	1.40E+00	1.47E+00	1.60E+00
4999	478363.09	3863377.25	0.97629	1.31E+00	1.37E+00	1.49E+00
5000	478863.09	3863377.25	0.99581	1.33E+00	1.40E+00	1.52E+00
5001	479363.09	3863377.25	1.07833	1.44E+00	1.52E+00	1.65E+00
5002	479863.09	3863377.25	1.01594	1.36E+00	1.43E+00	1.56E+00
5003	480363.09	3863377.25	1.00793	1.35E+00	1.42E+00	1.54E+00
5004	480863.09	3863377.25	1.01507	1.36E+00	1.43E+00	1.55E+00
5005	481363.09	3863377.25	0.96415	1.29E+00	1.36E+00	1.48E+00
5006	481863.09	3863377.25	0.88802	1.19E+00	1.25E+00	1.36E+00
5007	482363.09	3863377.25	0.9077	1.21E+00	1.28E+00	1.39E+00
5008	482863.09	3863377.25	0.92215	1.23E+00	1.30E+00	1.41E+00
5009	483363.09	3863377.25	0.93528	1.25E+00	1.32E+00	1.43E+00
5010	483863.09	3863377.25	0.93094	1.25E+00	1.31E+00	1.43E+00
5011	484363.09	3863377.25	0.91907	1.23E+00	1.29E+00	1.41E+00
5012	484863.09	3863377.25	0.89878	1.20E+00	1.26E+00	1.38E+00
5013	485363.09	3863377.25	0.87562	1.17E+00	1.23E+00	1.34E+00
5014	485863.09	3863377.25	0.87813	1.18E+00	1.24E+00	1.34E+00
5015	486363.09	3863377.25	0.90573	1.21E+00	1.27E+00	1.39E+00
5016	486863.09	3863377.25	0.92584	1.24E+00	1.30E+00	1.42E+00
5017	487363.09	3863377.25	0.94276	1.26E+00	1.33E+00	1.44E+00
5018	487863.09	3863377.25	0.96713	1.29E+00	1.36E+00	1.48E+00
5019	488363.09	3863377.25	0.98461	1.32E+00	1.39E+00	1.51E+00
5020	488863.09	3863377.25	1.10673	1.48E+00	1.56E+00	1.69E+00
5021	489363.09	3863377.25	1.137	1.52E+00	1.60E+00	1.74E+00
5022	489863.09	3863377.25	1.16349	1.56E+00	1.64E+00	1.78E+00
5023	490363.09	3863377.25	1.23539	1.65E+00	1.74E+00	1.89E+00
5024	490863.09	3863377.25	1.32734	1.78E+00	1.87E+00	2.03E+00
5025	491363.09	3863377.25	1.36017	1.82E+00	1.91E+00	2.08E+00
5026	491863.09	3863377.25	1.50203	2.01E+00	2.11E+00	2.30E+00
5027	492363.09	3863377.25	1.68238	2.25E+00	2.37E+00	2.58E+00
5028	492863.09	3863377.25	1.93659	2.59E+00	2.72E+00	2.97E+00
5029	493363.09	3863377.25	2.71301	3.63E+00	3.82E+00	4.15E+00
5030	493863.09	3863377.25	2.85374	3.82E+00	4.02E+00	4.37E+00
5031	494363.09	3863377.25	3.26837	4.37E+00	4.60E+00	5.00E+00
5032	494863.09	3863377.25	3.59985	4.82E+00	5.07E+00	5.51E+00
5033	495363.09	3863377.25	3.72489	4.99E+00	5.24E+00	5.70E+00
5034	495863.09	3863377.25	3.5679	4.78E+00	5.02E+00	5.46E+00
5035	496363.09	3863377.25	2.47045	3.31E+00	3.48E+00	3.78E+00
5036	496863.09	3863377.25	2.51421	3.37E+00	3.54E+00	3.85E+00

5037	497363.09	3863377.25	2.28775	3.06E+00	3.22E+00	3.50E+00
5038	497863.09	3863377.25	2.17118	2.91E+00	3.05E+00	3.32E+00
5039	498363.09	3863377.25	1.90348	2.55E+00	2.68E+00	2.91E+00
5040	471363.09	3863877.25	0.59834	8.01E-01	8.42E-01	9.16E-01
5041	471863.09	3863877.25	0.64445	8.63E-01	9.07E-01	9.87E-01
5042	472363.09	3863877.25	0.74515	9.97E-01	1.05E+00	1.14E+00
5043	472863.09	3863877.25	0.80708	1.08E+00	1.14E+00	1.24E+00
5044	473363.09	3863877.25	0.81431	1.09E+00	1.15E+00	1.25E+00
5045	473863.09	3863877.25	0.84011	1.12E+00	1.18E+00	1.29E+00
5046	474363.09	3863877.25	0.85171	1.14E+00	1.20E+00	1.30E+00
5047	474863.09	3863877.25	0.84203	1.13E+00	1.18E+00	1.29E+00
5048	475363.09	3863877.25	0.89039	1.19E+00	1.25E+00	1.36E+00
5049	475863.09	3863877.25	0.88759	1.19E+00	1.25E+00	1.36E+00
5050	476363.09	3863877.25	0.90705	1.21E+00	1.28E+00	1.39E+00
5051	476863.09	3863877.25	0.89934	1.20E+00	1.27E+00	1.38E+00
5052	477363.09	3863877.25	0.93618	1.25E+00	1.32E+00	1.43E+00
5053	477863.09	3863877.25	0.97114	1.30E+00	1.37E+00	1.49E+00
5054	478363.09	3863877.25	0.97504	1.31E+00	1.37E+00	1.49E+00
5055	478863.09	3863877.25	0.99106	1.33E+00	1.39E+00	1.52E+00
5056	479363.09	3863877.25	0.95109	1.27E+00	1.34E+00	1.46E+00
5057	479863.09	3863877.25	0.88997	1.19E+00	1.25E+00	1.36E+00
5058	480363.09	3863877.25	0.92674	1.24E+00	1.30E+00	1.42E+00
5059	480863.09	3863877.25	0.9537	1.28E+00	1.34E+00	1.46E+00
5060	481363.09	3863877.25	0.90702	1.21E+00	1.28E+00	1.39E+00
5061	481863.09	3863877.25	0.82926	1.11E+00	1.17E+00	1.27E+00
5062	482363.09	3863877.25	0.84039	1.12E+00	1.18E+00	1.29E+00
5063	482863.09	3863877.25	0.83321	1.12E+00	1.17E+00	1.28E+00
5064	483363.09	3863877.25	0.82366	1.10E+00	1.16E+00	1.26E+00
5065	483863.09	3863877.25	0.80551	1.08E+00	1.13E+00	1.23E+00
5066	484363.09	3863877.25	0.7843	1.05E+00	1.10E+00	1.20E+00
5067	484863.09	3863877.25	0.77152	1.03E+00	1.09E+00	1.18E+00
5068	485363.09	3863877.25	0.80019	1.07E+00	1.13E+00	1.23E+00
5069	485863.09	3863877.25	0.82013	1.10E+00	1.15E+00	1.26E+00
5070	486363.09	3863877.25	0.83422	1.12E+00	1.17E+00	1.28E+00
5071	486863.09	3863877.25	0.84723	1.13E+00	1.19E+00	1.30E+00
5072	487363.09	3863877.25	0.85924	1.15E+00	1.21E+00	1.32E+00
5073	487863.09	3863877.25	0.88255	1.18E+00	1.24E+00	1.35E+00
5074	488363.09	3863877.25	0.95031	1.27E+00	1.34E+00	1.46E+00
5075	488863.09	3863877.25	1.04	1.39E+00	1.46E+00	1.59E+00
5076	489363.09	3863877.25	1.05798	1.42E+00	1.49E+00	1.62E+00
5077	489863.09	3863877.25	1.09067	1.46E+00	1.53E+00	1.67E+00
5078	490363.09	3863877.25	1.1483	1.54E+00	1.62E+00	1.76E+00
5079	490863.09	3863877.25	1.21393	1.62E+00	1.71E+00	1.86E+00
5080	491363.09	3863877.25	1.20777	1.62E+00	1.70E+00	1.85E+00
5081	491863.09	3863877.25	1.36931	1.83E+00	1.93E+00	2.10E+00
5082	492363.09	3863877.25	1.88155	2.52E+00	2.65E+00	2.88E+00
5083	492863.09	3863877.25	2.06397	2.76E+00	2.90E+00	3.16E+00
5084	493363.09	3863877.25	2.42889	3.25E+00	3.42E+00	3.72E+00
5085	493863.09	3863877.25	2.51717	3.37E+00	3.54E+00	3.85E+00
5086	494363.09	3863877.25	2.89144	3.87E+00	4.07E+00	4.43E+00
5087	494863.09	3863877.25	3.23245	4.33E+00	4.55E+00	4.95E+00
5088	495363.09	3863877.25	3.55034	4.75E+00	5.00E+00	5.44E+00
5089	495863.09	3863877.25	3.58401	4.80E+00	5.04E+00	5.49E+00
5090	496363.09	3863877.25	2.90075	3.88E+00	4.08E+00	4.44E+00
5091	496863.09	3863877.25	2.43159	3.25E+00	3.42E+00	3.72E+00
5092	497363.09	3863877.25	2.11211	2.83E+00	2.97E+00	3.23E+00
5093	497863.09	3863877.25	2.11021	2.82E+00	2.97E+00	3.23E+00
5094	498363.09	3863877.25	1.92801	2.58E+00	2.71E+00	2.95E+00
5095	471363.09	3864377.25	0.66786	8.94E-01	9.40E-01	1.02E+00
5096	471863.09	3864377.25	0.70348	9.42E-01	9.90E-01	1.08E+00
5097	472363.09	3864377.25	0.78648	1.05E+00	1.11E+00	1.20E+00
5098	472863.09	3864377.25	0.82979	1.11E+00	1.17E+00	1.27E+00
5099	473363.09	3864377.25	0.81834	1.10E+00	1.15E+00	1.25E+00

5100	473863.09	3864377.25	0.80254	1.07E+00	1.13E+00	1.23E+00
5101	474363.09	3864377.25	0.81441	1.09E+00	1.15E+00	1.25E+00
5102	474863.09	3864377.25	0.77778	1.04E+00	1.09E+00	1.19E+00
5103	475363.09	3864377.25	0.80738	1.08E+00	1.14E+00	1.24E+00
5104	475863.09	3864377.25	0.80103	1.07E+00	1.13E+00	1.23E+00
5105	476363.09	3864377.25	0.81251	1.09E+00	1.14E+00	1.24E+00
5106	476863.09	3864377.25	0.83638	1.12E+00	1.18E+00	1.28E+00
5107	477363.09	3864377.25	0.79426	1.06E+00	1.12E+00	1.22E+00
5108	477863.09	3864377.25	0.78503	1.05E+00	1.10E+00	1.20E+00
5109	478363.09	3864377.25	0.77966	1.04E+00	1.10E+00	1.19E+00
5110	478863.09	3864377.25	0.79455	1.06E+00	1.12E+00	1.22E+00
5111	479363.09	3864377.25	0.82487	1.10E+00	1.16E+00	1.26E+00
5112	479863.09	3864377.25	0.86461	1.16E+00	1.22E+00	1.32E+00
5113	480363.09	3864377.25	0.89392	1.20E+00	1.26E+00	1.37E+00
5114	480863.09	3864377.25	0.9013	1.21E+00	1.27E+00	1.38E+00
5115	481363.09	3864377.25	0.8354	1.12E+00	1.18E+00	1.28E+00
5116	481863.09	3864377.25	0.75072	1.00E+00	1.06E+00	1.15E+00
5117	482363.09	3864377.25	0.7448	9.97E-01	1.05E+00	1.14E+00
5118	482863.09	3864377.25	0.72882	9.75E-01	1.03E+00	1.12E+00
5119	483363.09	3864377.25	0.70839	9.48E-01	9.97E-01	1.08E+00
5120	483863.09	3864377.25	0.68769	9.20E-01	9.68E-01	1.05E+00
5121	484363.09	3864377.25	0.70764	9.47E-01	9.96E-01	1.08E+00
5122	484863.09	3864377.25	0.73048	9.78E-01	1.03E+00	1.12E+00
5123	485363.09	3864377.25	0.74291	9.94E-01	1.05E+00	1.14E+00
5124	485863.09	3864377.25	0.75902	1.02E+00	1.07E+00	1.16E+00
5125	486363.09	3864377.25	0.76953	1.03E+00	1.08E+00	1.18E+00
5126	486863.09	3864377.25	0.7776	1.04E+00	1.09E+00	1.19E+00
5127	487363.09	3864377.25	0.80315	1.07E+00	1.13E+00	1.23E+00
5128	487863.09	3864377.25	0.82347	1.10E+00	1.16E+00	1.26E+00
5129	488363.09	3864377.25	0.90463	1.21E+00	1.27E+00	1.39E+00
5130	488863.09	3864377.25	0.97802	1.31E+00	1.38E+00	1.50E+00
5131	489363.09	3864377.25	1.00219	1.34E+00	1.41E+00	1.53E+00
5132	489863.09	3864377.25	1.03003	1.38E+00	1.45E+00	1.58E+00
5133	490363.09	3864377.25	1.08076	1.45E+00	1.52E+00	1.65E+00
5134	490863.09	3864377.25	1.14278	1.53E+00	1.61E+00	1.75E+00
5135	491363.09	3864377.25	1.34639	1.80E+00	1.89E+00	2.06E+00
5136	491863.09	3864377.25	1.32152	1.77E+00	1.86E+00	2.02E+00
5137	492363.09	3864377.25	1.44388	1.93E+00	2.03E+00	2.21E+00
5138	492863.09	3864377.25	1.44821	1.94E+00	2.04E+00	2.22E+00
5139	493363.09	3864377.25	1.58868	2.13E+00	2.24E+00	2.43E+00
5140	493863.09	3864377.25	1.96951	2.64E+00	2.77E+00	3.02E+00
5141	494363.09	3864377.25	2.38514	3.19E+00	3.36E+00	3.65E+00
5142	494863.09	3864377.25	2.71009	3.63E+00	3.81E+00	4.15E+00
5143	495363.09	3864377.25	3.07041	4.11E+00	4.32E+00	4.70E+00
5144	495863.09	3864377.25	3.3038	4.42E+00	4.65E+00	5.06E+00
5145	496363.09	3864377.25	3.02016	4.04E+00	4.25E+00	4.62E+00
5146	496863.09	3864377.25	2.87776	3.85E+00	4.05E+00	4.41E+00
5147	497363.09	3864377.25	2.30739	3.09E+00	3.25E+00	3.53E+00
5148	497863.09	3864377.25	1.95705	2.62E+00	2.75E+00	3.00E+00
5149	498363.09	3864377.25	1.85945	2.49E+00	2.62E+00	2.85E+00
5150	471363.09	3864877.25	0.68425	9.16E-01	9.63E-01	1.05E+00
5151	471863.09	3864877.25	0.70484	9.43E-01	9.92E-01	1.08E+00
5152	472363.09	3864877.25	0.76316	1.02E+00	1.07E+00	1.17E+00
5153	472863.09	3864877.25	0.78423	1.05E+00	1.10E+00	1.20E+00
5154	473363.09	3864877.25	0.7434	9.95E-01	1.05E+00	1.14E+00
5155	473863.09	3864877.25	0.72481	9.70E-01	1.02E+00	1.11E+00
5156	474363.09	3864877.25	0.72651	9.72E-01	1.02E+00	1.11E+00
5157	474863.09	3864877.25	0.72656	9.72E-01	1.02E+00	1.11E+00
5158	475363.09	3864877.25	0.72179	9.66E-01	1.02E+00	1.11E+00
5159	475863.09	3864877.25	0.71314	9.54E-01	1.00E+00	1.09E+00
5160	476363.09	3864877.25	0.7072	9.47E-01	9.95E-01	1.08E+00
5161	476863.09	3864877.25	0.71586	9.58E-01	1.01E+00	1.10E+00
5162	477363.09	3864877.25	0.71098	9.52E-01	1.00E+00	1.09E+00

5163	477863.09	3864877.25	0.73283	9.81E-01	1.03E+00	1.12E+00
5164	478363.09	3864877.25	0.75147	1.01E+00	1.06E+00	1.15E+00
5165	478863.09	3864877.25	0.77353	1.04E+00	1.09E+00	1.18E+00
5166	479363.09	3864877.25	0.79464	1.06E+00	1.12E+00	1.22E+00
5167	479863.09	3864877.25	0.82447	1.10E+00	1.16E+00	1.26E+00
5168	480363.09	3864877.25	0.84735	1.13E+00	1.19E+00	1.30E+00
5169	480863.09	3864877.25	0.83298	1.11E+00	1.17E+00	1.28E+00
5170	481363.09	3864877.25	0.75373	1.01E+00	1.06E+00	1.15E+00
5171	481863.09	3864877.25	0.66303	8.87E-01	9.33E-01	1.02E+00
5172	482363.09	3864877.25	0.64619	8.65E-01	9.09E-01	9.89E-01
5173	482863.09	3864877.25	0.63139	8.45E-01	8.88E-01	9.67E-01
5174	483363.09	3864877.25	0.64011	8.57E-01	9.01E-01	9.80E-01
5175	483863.09	3864877.25	0.65223	8.73E-01	9.18E-01	9.99E-01
5176	484363.09	3864877.25	0.67171	8.99E-01	9.45E-01	1.03E+00
5177	484863.09	3864877.25	0.68136	9.12E-01	9.59E-01	1.04E+00
5178	485363.09	3864877.25	0.69725	9.33E-01	9.81E-01	1.07E+00
5179	485863.09	3864877.25	0.7027	9.41E-01	9.89E-01	1.08E+00
5180	486363.09	3864877.25	0.71222	9.53E-01	1.00E+00	1.09E+00
5181	486863.09	3864877.25	0.73192	9.80E-01	1.03E+00	1.12E+00
5182	487363.09	3864877.25	0.75157	1.01E+00	1.06E+00	1.15E+00
5183	487863.09	3864877.25	0.76692	1.03E+00	1.08E+00	1.17E+00
5184	488363.09	3864877.25	0.85964	1.15E+00	1.21E+00	1.32E+00
5185	488863.09	3864877.25	0.94006	1.26E+00	1.32E+00	1.44E+00
5186	489363.09	3864877.25	0.95343	1.28E+00	1.34E+00	1.46E+00
5187	489863.09	3864877.25	0.97721	1.31E+00	1.37E+00	1.50E+00
5188	490363.09	3864877.25	1.02731	1.37E+00	1.45E+00	1.57E+00
5189	490863.09	3864877.25	1.31388	1.76E+00	1.85E+00	2.01E+00
5190	491363.09	3864877.25	1.2601	1.69E+00	1.77E+00	1.93E+00
5191	491863.09	3864877.25	1.31471	1.76E+00	1.85E+00	2.01E+00
5192	492363.09	3864877.25	0.83028	1.11E+00	1.17E+00	1.27E+00
5193	492863.09	3864877.25	1.05969	1.42E+00	1.49E+00	1.62E+00
5194	493363.09	3864877.25	1.07499	1.44E+00	1.51E+00	1.65E+00
5195	493863.09	3864877.25	1.54252	2.06E+00	2.17E+00	2.36E+00
5196	494363.09	3864877.25	1.92422	2.58E+00	2.71E+00	2.95E+00
5197	494863.09	3864877.25	2.24933	3.01E+00	3.16E+00	3.44E+00
5198	495363.09	3864877.25	2.55498	3.42E+00	3.60E+00	3.91E+00
5199	495863.09	3864877.25	2.43229	3.26E+00	3.42E+00	3.72E+00
5200	496363.09	3864877.25	3.04369	4.07E+00	4.28E+00	4.66E+00
5201	496863.09	3864877.25	3.16365	4.23E+00	4.45E+00	4.84E+00
5202	497363.09	3864877.25	2.61225	3.50E+00	3.68E+00	4.00E+00
5203	497863.09	3864877.25	2.46553	3.30E+00	3.47E+00	3.78E+00
5204	498363.09	3864877.25	1.93302	2.59E+00	2.72E+00	2.96E+00
5205	471363.09	3865377.25	0.61951	8.29E-01	8.72E-01	9.49E-01
5206	471863.09	3865377.25	0.65447	8.76E-01	9.21E-01	1.00E+00
5207	472363.09	3865377.25	0.705	9.44E-01	9.92E-01	1.08E+00
5208	472863.09	3865377.25	0.7482	1.00E+00	1.05E+00	1.15E+00
5209	473363.09	3865377.25	0.68315	9.14E-01	9.61E-01	1.05E+00
5210	473863.09	3865377.25	0.6634	8.88E-01	9.33E-01	1.02E+00
5211	474363.09	3865377.25	0.64821	8.68E-01	9.12E-01	9.93E-01
5212	474863.09	3865377.25	0.64175	8.59E-01	9.03E-01	9.83E-01
5213	475363.09	3865377.25	0.6359	8.51E-01	8.95E-01	9.74E-01
5214	475863.09	3865377.25	0.65227	8.73E-01	9.18E-01	9.99E-01
5215	476363.09	3865377.25	0.76856	1.03E+00	1.08E+00	1.18E+00
5216	476863.09	3865377.25	0.84858	1.14E+00	1.19E+00	1.30E+00
5217	477363.09	3865377.25	0.77032	1.03E+00	1.08E+00	1.18E+00
5218	477863.09	3865377.25	0.7159	9.58E-01	1.01E+00	1.10E+00
5219	478363.09	3865377.25	0.73111	9.79E-01	1.03E+00	1.12E+00
5220	478863.09	3865377.25	0.74246	9.94E-01	1.04E+00	1.14E+00
5221	479363.09	3865377.25	0.75654	1.01E+00	1.06E+00	1.16E+00
5222	479863.09	3865377.25	0.77608	1.04E+00	1.09E+00	1.19E+00
5223	480363.09	3865377.25	0.78655	1.05E+00	1.11E+00	1.20E+00
5224	480863.09	3865377.25	0.76114	1.02E+00	1.07E+00	1.17E+00
5225	481363.09	3865377.25	0.66174	8.86E-01	9.31E-01	1.01E+00

5226	481863.09	3865377.25	0.58317	7.81E-01	8.21E-01	8.93E-01
5227	482363.09	3865377.25	0.59581	7.97E-01	8.38E-01	9.12E-01
5228	482863.09	3865377.25	0.60387	8.08E-01	8.50E-01	9.25E-01
5229	483363.09	3865377.25	0.61533	8.24E-01	8.66E-01	9.42E-01
5230	483863.09	3865377.25	0.62065	8.31E-01	8.73E-01	9.50E-01
5231	484363.09	3865377.25	0.62967	8.43E-01	8.86E-01	9.64E-01
5232	484863.09	3865377.25	0.6424	8.60E-01	9.04E-01	9.84E-01
5233	485363.09	3865377.25	0.64868	8.68E-01	9.13E-01	9.93E-01
5234	485863.09	3865377.25	0.65594	8.78E-01	9.23E-01	1.00E+00
5235	486363.09	3865377.25	0.67691	9.06E-01	9.52E-01	1.04E+00
5236	486863.09	3865377.25	0.69203	9.26E-01	9.74E-01	1.06E+00
5237	487363.09	3865377.25	0.70553	9.44E-01	9.93E-01	1.08E+00
5238	487863.09	3865377.25	0.71293	9.54E-01	1.00E+00	1.09E+00
5239	488363.09	3865377.25	0.82751	1.11E+00	1.16E+00	1.27E+00
5240	488863.09	3865377.25	0.88972	1.19E+00	1.25E+00	1.36E+00
5241	489363.09	3865377.25	0.90917	1.22E+00	1.28E+00	1.39E+00
5242	489863.09	3865377.25	0.95193	1.27E+00	1.34E+00	1.46E+00
5243	490363.09	3865377.25	1.17274	1.57E+00	1.65E+00	1.80E+00
5244	490863.09	3865377.25	1.22777	1.64E+00	1.73E+00	1.88E+00
5245	491363.09	3865377.25	1.16654	1.56E+00	1.64E+00	1.79E+00
5246	491863.09	3865377.25	1.22002	1.63E+00	1.72E+00	1.87E+00
5247	492363.09	3865377.25	1.43498	1.92E+00	2.02E+00	2.20E+00
5248	492863.09	3865377.25	1.25989	1.69E+00	1.77E+00	1.93E+00
5249	493363.09	3865377.25	0.99169	1.33E+00	1.40E+00	1.52E+00
5250	493863.09	3865377.25	1.37961	1.85E+00	1.94E+00	2.11E+00
5251	494363.09	3865377.25	1.53629	2.06E+00	2.16E+00	2.35E+00
5252	494863.09	3865377.25	1.67542	2.24E+00	2.36E+00	2.57E+00
5253	495363.09	3865377.25	2.1234	2.84E+00	2.99E+00	3.25E+00
5254	495863.09	3865377.25	2.36034	3.16E+00	3.32E+00	3.61E+00
5255	496363.09	3865377.25	2.80556	3.76E+00	3.95E+00	4.30E+00
5256	496863.09	3865377.25	2.97602	3.98E+00	4.19E+00	4.56E+00
5257	497363.09	3865377.25	3.00224	4.02E+00	4.22E+00	4.60E+00
5258	497863.09	3865377.25	2.64318	3.54E+00	3.72E+00	4.05E+00
5259	498363.09	3865377.25	2.84708	3.81E+00	4.01E+00	4.36E+00
5260	471363.09	3865877.25	0.56662	7.58E-01	7.97E-01	8.68E-01
5261	471863.09	3865877.25	0.58233	7.79E-01	8.19E-01	8.92E-01
5262	472363.09	3865877.25	0.67167	8.99E-01	9.45E-01	1.03E+00
5263	472863.09	3865877.25	0.61749	8.26E-01	8.69E-01	9.45E-01
5264	473363.09	3865877.25	0.59238	7.93E-01	8.34E-01	9.07E-01
5265	473863.09	3865877.25	0.58497	7.83E-01	8.23E-01	8.96E-01
5266	474363.09	3865877.25	0.59832	8.01E-01	8.42E-01	9.16E-01
5267	474863.09	3865877.25	0.61795	8.27E-01	8.69E-01	9.46E-01
5268	475363.09	3865877.25	0.62919	8.42E-01	8.85E-01	9.63E-01
5269	475863.09	3865877.25	0.63772	8.54E-01	8.97E-01	9.76E-01
5270	476363.09	3865877.25	0.79604	1.07E+00	1.12E+00	1.22E+00
5271	476863.09	3865877.25	0.81186	1.09E+00	1.14E+00	1.24E+00
5272	477363.09	3865877.25	0.78465	1.05E+00	1.10E+00	1.20E+00
5273	477863.09	3865877.25	0.69469	9.30E-01	9.77E-01	1.06E+00
5274	478363.09	3865877.25	0.69892	9.35E-01	9.83E-01	1.07E+00
5275	478863.09	3865877.25	0.70179	9.39E-01	9.87E-01	1.07E+00
5276	479363.09	3865877.25	0.7162	9.59E-01	1.01E+00	1.10E+00
5277	479863.09	3865877.25	0.72425	9.69E-01	1.02E+00	1.11E+00
5278	480363.09	3865877.25	0.72416	9.69E-01	1.02E+00	1.11E+00
5279	480863.09	3865877.25	0.68952	9.23E-01	9.70E-01	1.06E+00
5280	481363.09	3865877.25	0.60811	8.14E-01	8.56E-01	9.31E-01
5281	481863.09	3865877.25	0.56743	7.59E-01	7.98E-01	8.69E-01
5282	482363.09	3865877.25	0.57189	7.65E-01	8.05E-01	8.76E-01
5283	482863.09	3865877.25	0.58197	7.79E-01	8.19E-01	8.91E-01
5284	483363.09	3865877.25	0.58064	7.77E-01	8.17E-01	8.89E-01
5285	483863.09	3865877.25	0.58887	7.88E-01	8.29E-01	9.02E-01
5286	484363.09	3865877.25	0.59733	7.99E-01	8.40E-01	9.15E-01
5287	484863.09	3865877.25	0.60025	8.03E-01	8.45E-01	9.19E-01
5288	485363.09	3865877.25	0.60849	8.14E-01	8.56E-01	9.32E-01

5289	485863.09	3865877.25	0.62685	8.39E-01	8.82E-01	9.60E-01
5290	486363.09	3865877.25	0.64021	8.57E-01	9.01E-01	9.80E-01
5291	486863.09	3865877.25	0.6534	8.75E-01	9.19E-01	1.00E+00
5292	487363.09	3865877.25	0.66051	8.84E-01	9.29E-01	1.01E+00
5293	487863.09	3865877.25	0.67344	9.01E-01	9.48E-01	1.03E+00
5294	488363.09	3865877.25	0.80082	1.07E+00	1.13E+00	1.23E+00
5295	488863.09	3865877.25	0.85301	1.14E+00	1.20E+00	1.31E+00
5296	489363.09	3865877.25	0.8925	1.19E+00	1.26E+00	1.37E+00
5297	489863.09	3865877.25	0.91991	1.23E+00	1.29E+00	1.41E+00
5298	490363.09	3865877.25	1.10956	1.49E+00	1.56E+00	1.70E+00
5299	490863.09	3865877.25	1.16317	1.56E+00	1.64E+00	1.78E+00
5300	491363.09	3865877.25	1.12803	1.51E+00	1.59E+00	1.73E+00
5301	491863.09	3865877.25	1.19799	1.60E+00	1.69E+00	1.83E+00
5302	492363.09	3865877.25	1.35246	1.81E+00	1.90E+00	2.07E+00
5303	492863.09	3865877.25	1.28758	1.72E+00	1.81E+00	1.97E+00
5304	493363.09	3865877.25	1.21288	1.62E+00	1.71E+00	1.86E+00
5305	493863.09	3865877.25	1.37281	1.84E+00	1.93E+00	2.10E+00
5306	494363.09	3865877.25	1.40716	1.88E+00	1.98E+00	2.15E+00
5307	494863.09	3865877.25	1.74139	2.33E+00	2.45E+00	2.67E+00
5308	495363.09	3865877.25	1.69551	2.27E+00	2.39E+00	2.60E+00
5309	495863.09	3865877.25	2.04083	2.73E+00	2.87E+00	3.12E+00
5310	496363.09	3865877.25	2.49135	3.33E+00	3.51E+00	3.81E+00
5311	496863.09	3865877.25	2.79396	3.74E+00	3.93E+00	4.28E+00
5312	497363.09	3865877.25	2.82991	3.79E+00	3.98E+00	4.33E+00
5313	497863.09	3865877.25	3.04016	4.07E+00	4.28E+00	4.66E+00
5314	498363.09	3865877.25	2.93683	3.93E+00	4.13E+00	4.50E+00
5315	471363.09	3866377.25	0.46176	6.18E-01	6.50E-01	7.07E-01
5316	471863.09	3866377.25	0.53716	7.19E-01	7.56E-01	8.22E-01
5317	472363.09	3866377.25	0.56469	7.56E-01	7.95E-01	8.65E-01
5318	472863.09	3866377.25	0.56676	7.59E-01	7.97E-01	8.68E-01
5319	473363.09	3866377.25	0.57989	7.76E-01	8.16E-01	8.88E-01
5320	473863.09	3866377.25	0.58413	7.82E-01	8.22E-01	8.94E-01
5321	474363.09	3866377.25	0.59035	7.90E-01	8.31E-01	9.04E-01
5322	474863.09	3866377.25	0.59739	8.00E-01	8.41E-01	9.15E-01
5323	475363.09	3866377.25	0.61376	8.21E-01	8.64E-01	9.40E-01
5324	475863.09	3866377.25	0.6288	8.42E-01	8.85E-01	9.63E-01
5325	476363.09	3866377.25	0.74356	9.95E-01	1.05E+00	1.14E+00
5326	476863.09	3866377.25	0.77919	1.04E+00	1.10E+00	1.19E+00
5327	477363.09	3866377.25	0.79925	1.07E+00	1.12E+00	1.22E+00
5328	477863.09	3866377.25	0.66293	8.87E-01	9.33E-01	1.02E+00
5329	478363.09	3866377.25	0.66104	8.85E-01	9.30E-01	1.01E+00
5330	478863.09	3866377.25	0.66241	8.87E-01	9.32E-01	1.01E+00
5331	479363.09	3866377.25	0.67345	9.01E-01	9.48E-01	1.03E+00
5332	479863.09	3866377.25	0.68222	9.13E-01	9.60E-01	1.04E+00
5333	480363.09	3866377.25	0.68941	9.23E-01	9.70E-01	1.06E+00
5334	480863.09	3866377.25	0.67743	9.07E-01	9.53E-01	1.04E+00
5335	481363.09	3866377.25	0.59446	7.96E-01	8.36E-01	9.10E-01
5336	481863.09	3866377.25	0.54718	7.32E-01	7.70E-01	8.38E-01
5337	482363.09	3866377.25	0.55144	7.38E-01	7.76E-01	8.44E-01
5338	482863.09	3866377.25	0.54449	7.29E-01	7.66E-01	8.34E-01
5339	483363.09	3866377.25	0.55462	7.42E-01	7.80E-01	8.49E-01
5340	483863.09	3866377.25	0.55995	7.49E-01	7.88E-01	8.57E-01
5341	484363.09	3866377.25	0.55773	7.46E-01	7.85E-01	8.54E-01
5342	484863.09	3866377.25	0.5674	7.59E-01	7.98E-01	8.69E-01
5343	485363.09	3866377.25	0.58266	7.80E-01	8.20E-01	8.92E-01
5344	485863.09	3866377.25	0.59547	7.97E-01	8.38E-01	9.12E-01
5345	486363.09	3866377.25	0.60529	8.10E-01	8.52E-01	9.27E-01
5346	486863.09	3866377.25	0.61729	8.26E-01	8.69E-01	9.45E-01
5347	487363.09	3866377.25	0.63416	8.49E-01	8.92E-01	9.71E-01
5348	487863.09	3866377.25	0.7167	9.59E-01	1.01E+00	1.10E+00
5349	488363.09	3866377.25	0.86104	1.15E+00	1.21E+00	1.32E+00
5350	488863.09	3866377.25	1.00188	1.34E+00	1.41E+00	1.53E+00
5351	489363.09	3866377.25	1.01746	1.36E+00	1.43E+00	1.56E+00

5352	489863.09	3866377.25	1.09483	1.47E+00	1.54E+00	1.68E+00
5353	490363.09	3866377.25	1.02275	1.37E+00	1.44E+00	1.57E+00
5354	490863.09	3866377.25	0.95551	1.28E+00	1.34E+00	1.46E+00
5355	491363.09	3866377.25	1.03071	1.38E+00	1.45E+00	1.58E+00
5356	491863.09	3866377.25	1.20982	1.62E+00	1.70E+00	1.85E+00
5357	492363.09	3866377.25	1.19878	1.60E+00	1.69E+00	1.84E+00
5358	492863.09	3866377.25	1.35559	1.81E+00	1.91E+00	2.08E+00
5359	493363.09	3866377.25	1.3297	1.78E+00	1.87E+00	2.04E+00
5360	493863.09	3866377.25	1.30815	1.75E+00	1.84E+00	2.00E+00
5361	494363.09	3866377.25	1.42508	1.91E+00	2.01E+00	2.18E+00
5362	494863.09	3866377.25	1.46644	1.96E+00	2.06E+00	2.25E+00
5363	495363.09	3866377.25	1.39851	1.87E+00	1.97E+00	2.14E+00
5364	495863.09	3866377.25	1.58058	2.12E+00	2.22E+00	2.42E+00
5365	496363.09	3866377.25	1.9748	2.64E+00	2.78E+00	3.02E+00
5366	496863.09	3866377.25	2.38313	3.19E+00	3.35E+00	3.65E+00
5367	497363.09	3866377.25	2.52907	3.38E+00	3.56E+00	3.87E+00
5368	497863.09	3866377.25	2.69153	3.60E+00	3.79E+00	4.12E+00
5369	498363.09	3866377.25	2.79671	3.74E+00	3.94E+00	4.28E+00
5370	474494.92	3848334.16	44.90902	6.01E+01	6.32E+01	6.88E+01
5371	475167.27	3848920.79	40.03863	5.36E+01	5.63E+01	6.13E+01
5372	475297.89	3848997.96	37.6872	5.04E+01	5.30E+01	5.77E+01
5373	475439.05	3849062	42.45351	5.68E+01	5.97E+01	6.50E+01
5374	475486.86	3849061.09	36.72842	4.92E+01	5.17E+01	5.62E+01
5375	475538.46	3849075.56	37.47466	5.02E+01	5.27E+01	5.74E+01
5376	475751.79	3849137.15	49.90709	6.68E+01	7.02E+01	7.64E+01
5377	476303.62	3849223.38	67.30581	9.01E+01	9.47E+01	1.03E+02
5378	476304.51	3849238.92	68.53466	9.17E+01	9.64E+01	1.05E+02
5379	476365.04	3849247.98	70.55842	9.44E+01	9.93E+01	1.08E+02
5380	476444.86	3849267.13	66.25795	8.87E+01	9.32E+01	1.01E+02
5381	476550.75	3849300.66	67.41936	9.02E+01	9.49E+01	1.03E+02
5382	476656.71	3849346.88	67.15496	8.99E+01	9.45E+01	1.03E+02
5383	476873.55	3849454.53	67.65296	9.05E+01	9.52E+01	1.04E+02
5384	477700	3849859.7	61.17177	8.19E+01	8.61E+01	9.37E+01
5385	477743.16	3849856.38	54.23425	7.26E+01	7.63E+01	8.30E+01
5386	478477.35	3850216.33	58.97812	7.89E+01	8.30E+01	9.03E+01
5387	478485.8	3850201.6	49.65761	6.65E+01	6.99E+01	7.60E+01
5388	479113.21	3850501.53	45.64433	6.11E+01	6.42E+01	6.99E+01
5389	479108.11	3850382.28	24.88261	3.33E+01	3.50E+01	3.81E+01
5390	479689.85	3850674.28	24.98622	3.34E+01	3.52E+01	3.83E+01
5391	479952.42	3850774.28	22.56561	3.02E+01	3.18E+01	3.46E+01
5392	479911.32	3850884.85	45.38659	6.07E+01	6.39E+01	6.95E+01
5393	480500.92	3851178.12	44.8015	6.00E+01	6.30E+01	6.86E+01
5394	480738.01	3851289.27	44.24102	5.92E+01	6.22E+01	6.77E+01
5395	481055.42	3851443.58	42.27584	5.66E+01	5.95E+01	6.47E+01
5396	481110.22	3851443.15	35.71289	4.78E+01	5.03E+01	5.47E+01
5397	481111.1	3851417.45	31.63616	4.23E+01	4.45E+01	4.84E+01
5398	482248.44	3852605.09	43.50024	5.82E+01	6.12E+01	6.66E+01
5399	482273.34	3852632.31	44.35837	5.94E+01	6.24E+01	6.79E+01
5400	482665.46	3853038.72	42.23965	5.65E+01	5.94E+01	6.47E+01
5401	483077.95	3853844.31	18.10162	2.42E+01	2.55E+01	2.77E+01
5402	483121.38	3853909.38	17.43432	2.33E+01	2.45E+01	2.67E+01
5403	483492.64	3853911.49	16.58227	2.22E+01	2.33E+01	2.54E+01
5404	483498.29	3854204.73	14.88711	1.99E+01	2.09E+01	2.28E+01
5405	484132.44	3854662.55	7.92362	1.06E+01	1.11E+01	1.21E+01
5406	484627.62	3854876.13	8.24511	1.10E+01	1.16E+01	1.26E+01
5407	484756.14	3854949.04	8.00477	1.07E+01	1.13E+01	1.23E+01
5408	486697.51	3856599.17	4.79356	6.42E+00	6.74E+00	7.34E+00
5409	487105.31	3856962.27	4.42078	5.92E+00	6.22E+00	6.77E+00
5410	487157.57	3856901.7	4.39303	5.88E+00	6.18E+00	6.73E+00
5411	487173.5	3856853.74	4.30838	5.77E+00	6.06E+00	6.60E+00
5412	487564.41	3856860.83	3.94637	5.28E+00	5.55E+00	6.04E+00
5413	487563.31	3856931.58	3.91732	5.24E+00	5.51E+00	6.00E+00
5414	487782.7	3856926.85	3.77456	5.05E+00	5.31E+00	5.78E+00

5415	487782.39	3856757.07	4.06233	5.44E+00	5.72E+00	6.22E+00
5416	487917.26	3856752.41	3.8845	5.20E+00	5.47E+00	5.95E+00
5417	487919.57	3856953.35	3.73965	5.01E+00	5.26E+00	5.73E+00
5418	487932.76	3857000.32	3.74241	5.01E+00	5.27E+00	5.73E+00
5419	487960.5	3857044.75	3.7603	5.03E+00	5.29E+00	5.76E+00
5420	488016.54	3857089.54	3.80731	5.10E+00	5.36E+00	5.83E+00
5421	488114.39	3857165.47	3.96786	5.31E+00	5.58E+00	6.08E+00
5422	488171.49	3857234.24	4.10125	5.49E+00	5.77E+00	6.28E+00
5423	488193.16	3857297.8	4.19052	5.61E+00	5.90E+00	6.42E+00
5424	488189.27	3857649.94	5.50736	7.37E+00	7.75E+00	8.43E+00
5425	488127.43	3857732.32	6.27702	8.40E+00	8.83E+00	9.61E+00
5426	488149.93	3857752.94	6.31181	8.45E+00	8.88E+00	9.66E+00
5427	488144.76	3857758.71	6.37935	8.54E+00	8.98E+00	9.77E+00
5428	488335.58	3857932.55	6.2787	8.40E+00	8.83E+00	9.61E+00
5429	488372.29	3857943.79	6.20114	8.30E+00	8.73E+00	9.50E+00
5430	488828.64	3857936.4	5.27084	7.05E+00	7.42E+00	8.07E+00
5431	488829.08	3857959.58	5.30027	7.09E+00	7.46E+00	8.12E+00
5432	488351.61	3857964.55	6.38496	8.55E+00	8.98E+00	9.78E+00
5433	488316.87	3857947.65	6.43493	8.61E+00	9.05E+00	9.85E+00
5434	488129.1	3857775.77	6.58216	8.81E+00	9.26E+00	1.01E+01
5435	488062.53	3857846.13	7.28405	9.75E+00	1.02E+01	1.12E+01
5436	488330.41	3858091.34	6.78653	9.08E+00	9.55E+00	1.04E+01
5437	488470.87	3858174.45	7.64027	1.02E+01	1.08E+01	1.17E+01
5438	488568.9	3858262.31	8.07552	1.08E+01	1.14E+01	1.24E+01
5439	488964.27	3858025.71	5.56575	7.45E+00	7.83E+00	8.52E+00
5440	489147.25	3857956.64	5.51277	7.38E+00	7.76E+00	8.44E+00
5441	489343.52	3857932.45	5.13136	6.87E+00	7.22E+00	7.86E+00
5442	489866.19	3857923.19	3.48812	4.67E+00	4.91E+00	5.34E+00
5443	489955.65	3857902.27	3.32045	4.44E+00	4.67E+00	5.08E+00
5444	490079.44	3857847.9	2.86538	3.84E+00	4.03E+00	4.39E+00
5445	490108.49	3857934.13	2.95197	3.95E+00	4.15E+00	4.52E+00
5446	489884.48	3858014.17	3.62337	4.85E+00	5.10E+00	5.55E+00
5447	489326.56	3858025.86	5.70999	7.64E+00	8.03E+00	8.74E+00
5448	489130.38	3858056.71	5.99696	8.03E+00	8.44E+00	9.18E+00
5449	488936.49	3858143.93	5.62562	7.53E+00	7.92E+00	8.61E+00
5450	488638.08	3858327.45	8.3386	1.12E+01	1.17E+01	1.28E+01
5451	488663.79	3858349.57	8.41783	1.13E+01	1.18E+01	1.29E+01
5452	488694.56	3858349.5	8.12231	1.09E+01	1.14E+01	1.24E+01
5453	488694.35	3858336.75	7.94776	1.06E+01	1.12E+01	1.22E+01
5454	488712.81	3858336.38	7.78324	1.04E+01	1.10E+01	1.19E+01
5455	488713.23	3858367.46	8.2046	1.10E+01	1.15E+01	1.26E+01
5456	488704.63	3858384.05	8.53275	1.14E+01	1.20E+01	1.31E+01
5457	488604.15	3858488.29	12.15679	1.63E+01	1.71E+01	1.86E+01
5458	488605.66	3858550.47	14.30092	1.91E+01	2.01E+01	2.19E+01
5459	488692.68	3858548.71	12.45089	1.67E+01	1.75E+01	1.91E+01
5460	488759.93	3858461.81	9.0171	1.21E+01	1.27E+01	1.38E+01
5461	488816.57	3858541.79	8.97437	1.20E+01	1.26E+01	1.37E+01
5462	488944.63	3858656.77	10.43804	1.40E+01	1.47E+01	1.60E+01
5463	489134.91	3858830.7	13.49238	1.81E+01	1.90E+01	2.07E+01
5464	489193.99	3858886.05	14.6134	1.96E+01	2.06E+01	2.24E+01
5465	489295.2	3858954.34	15.39317	2.06E+01	2.17E+01	2.36E+01
5466	489295.64	3858992.74	17.46164	2.34E+01	2.46E+01	2.67E+01
5467	489183.74	3858911.72	16.17883	2.17E+01	2.28E+01	2.48E+01
5468	488873.37	3858625.59	10.32447	1.38E+01	1.45E+01	1.58E+01
5469	488842.84	3858658.69	12.8468	1.72E+01	1.81E+01	1.97E+01
5470	488856.39	3858670.93	13.02143	1.74E+01	1.83E+01	1.99E+01
5471	488805.7	3858724.5	17.77576	2.38E+01	2.50E+01	2.72E+01
5472	488805.87	3858804.16	29.45347	3.94E+01	4.14E+01	4.51E+01
5473	488995.78	3858936.96	35.9222	4.81E+01	5.05E+01	5.50E+01
5474	489130.76	3859017.38	35.94105	4.81E+01	5.06E+01	5.50E+01
5475	489130.92	3859052.24	53.84406	7.21E+01	7.58E+01	8.24E+01
5476	489200.33	3859090.6	53.79306	7.20E+01	7.57E+01	8.24E+01
5477	489296.07	3859143.7	52.65938	7.05E+01	7.41E+01	8.06E+01

5478	489296.43	3858954.74	15.38208	2.06E+01	2.16E+01	2.36E+01
5479	489410.33	3859033.19	16.49645	2.21E+01	2.32E+01	2.53E+01
5480	489371.37	3859089.8	22.44985	3.00E+01	3.16E+01	3.44E+01
5481	489390.52	3859102.82	22.76466	3.05E+01	3.20E+01	3.49E+01
5482	489382.3	3859114.53	25.06945	3.36E+01	3.53E+01	3.84E+01
5483	489363.04	3859102.45	24.84322	3.33E+01	3.50E+01	3.80E+01
5484	489337.52	3859140.71	38.75728	5.19E+01	5.45E+01	5.93E+01
5485	489375.14	3859164.55	40.19777	5.38E+01	5.66E+01	6.16E+01
5486	489409.3	3859114.5	22.94303	3.07E+01	3.23E+01	3.51E+01
5487	489434.87	3859131.81	23.46358	3.14E+01	3.30E+01	3.59E+01
5488	489471.87	3859075.75	17.2679	2.31E+01	2.43E+01	2.64E+01
5489	489602.62	3859164.69	18.96769	2.54E+01	2.67E+01	2.90E+01
5490	489558.29	3859232.45	29.296	3.92E+01	4.12E+01	4.49E+01
5491	489620.11	3859273.56	30.80121	4.12E+01	4.33E+01	4.72E+01
5492	489666.06	3859206.42	19.81776	2.65E+01	2.79E+01	3.03E+01
5493	489787.9	3859285.65	21.71459	2.91E+01	3.06E+01	3.32E+01
5494	489752.17	3859343.13	30.33073	4.06E+01	4.27E+01	4.64E+01
5495	489814.94	3859385.33	32.39299	4.34E+01	4.56E+01	4.96E+01
5496	489853.42	3859330.74	23.16409	3.10E+01	3.26E+01	3.55E+01
5497	489969.5	3859401.91	25.63421	3.43E+01	3.61E+01	3.93E+01
5498	490166.91	3859486.96	27.07147	3.62E+01	3.81E+01	4.15E+01
5499	490128.86	3859571.46	49.41802	6.61E+01	6.95E+01	7.57E+01
5500	490186.65	3859593.65	49.29996	6.60E+01	6.94E+01	7.55E+01
5501	490223.74	3859517.48	28.20947	3.78E+01	3.97E+01	4.32E+01
5502	490846.34	3859817.22	32.46115	4.34E+01	4.57E+01	4.97E+01
5503	490925.65	3859844.59	30.51314	4.08E+01	4.29E+01	4.67E+01
5504	491159.29	3859896.28	22.01977	2.95E+01	3.10E+01	3.37E+01
5505	491370.69	3859960.89	19.51696	2.61E+01	2.75E+01	2.99E+01
5506	491330.28	3860063.17	31.77626	4.25E+01	4.47E+01	4.87E+01
5507	491636.45	3860180.75	22.39117	3.00E+01	3.15E+01	3.43E+01
5508	491617.94	3860203.93	24.75557	3.31E+01	3.48E+01	3.79E+01
5509	491805.68	3860271.59	20.11437	2.69E+01	2.83E+01	3.08E+01
5510	491654.23	3860414.02	49.35744	6.61E+01	6.94E+01	7.56E+01
5511	491592.62	3860510.76	15.68533	2.10E+01	2.21E+01	2.40E+01
5512	491475.41	3860368.93	20.76211	2.78E+01	2.92E+01	3.18E+01
5513	491445.61	3860337.28	22.22581	2.97E+01	3.13E+01	3.40E+01
5514	491399.05	3860300.37	22.62453	3.03E+01	3.18E+01	3.46E+01
5515	491228.84	3860235.98	16.2274	2.17E+01	2.28E+01	2.48E+01
5516	491228.47	3860174.57	26.76728	3.58E+01	3.77E+01	4.10E+01
5517	491145.77	3860112.55	29.35571	3.93E+01	4.13E+01	4.49E+01
5518	490844.41	3859966.22	31.58726	4.23E+01	4.44E+01	4.84E+01
5519	490845.55	3859928.15	45.83042	6.13E+01	6.45E+01	7.02E+01
5520	490046.91	3859625.6	33.70842	4.51E+01	4.74E+01	5.16E+01
5521	489970.48	3859589.4	36.30751	4.86E+01	5.11E+01	5.56E+01
5522	489865.89	3859529.06	41.97949	5.62E+01	5.91E+01	6.43E+01
5523	489826.89	3859531.74	34.00716	4.55E+01	4.79E+01	5.21E+01
5524	489410.47	3859303.06	33.99541	4.55E+01	4.78E+01	5.21E+01
5525	489407.15	3859286.09	39.32647	5.26E+01	5.53E+01	6.02E+01
5526	488806.07	3858963.62	32.06886	4.29E+01	4.51E+01	4.91E+01
5527	488817.64	3859546.3	7.95447	1.06E+01	1.12E+01	1.22E+01
5528	489187.25	3859549.52	10.69923	1.43E+01	1.51E+01	1.64E+01
5529	489187.66	3859523.74	11.16261	1.49E+01	1.57E+01	1.71E+01
5530	489232.59	3859522.85	11.72652	1.57E+01	1.65E+01	1.80E+01
5531	489224.98	3859759.91	7.13464	9.55E+00	1.00E+01	1.09E+01
5532	488401.39	3859763.34	4.68084	6.26E+00	6.59E+00	7.17E+00
5533	488405.51	3859966.16	4.13698	5.54E+00	5.82E+00	6.33E+00
5534	489202.85	3859956.57	5.5418	7.42E+00	7.80E+00	8.49E+00
5535	489191.9	3860676.74	2.84421	3.81E+00	4.00E+00	4.36E+00
5536	488392.82	3860687.88	2.59066	3.47E+00	3.65E+00	3.97E+00
5537	488392.82	3860760.27	2.52923	3.39E+00	3.56E+00	3.87E+00
5538	487549.05	3860777.45	2.1697	2.90E+00	3.05E+00	3.32E+00
5539	487554.62	3859571.83	4.10321	5.49E+00	5.77E+00	6.28E+00
5540	485949.46	3859558.54	2.70985	3.63E+00	3.81E+00	4.15E+00

5541	485947.55	3857943.61	4.83293	6.47E+00	6.80E+00	7.40E+00
5542	484738.38	3857940.21	3.41605	4.57E+00	4.81E+00	5.23E+00
5543	484737.06	3857535.68	3.37057	4.51E+00	4.74E+00	5.16E+00
5544	483730.2	3857530.13	2.93617	3.93E+00	4.13E+00	4.50E+00
5545	483727.27	3857130.01	2.71473	3.63E+00	3.82E+00	4.16E+00
5546	483124.42	3857123.45	2.54206	3.40E+00	3.58E+00	3.89E+00
5547	483111.13	3855921.03	2.57109	3.44E+00	3.62E+00	3.94E+00
5548	482701.73	3855918.24	2.21601	2.97E+00	3.12E+00	3.39E+00
5549	482668.02	3853521.78	9.47619	1.27E+01	1.33E+01	1.45E+01
5550	482579.91	3853219.19	15.12828	2.02E+01	2.13E+01	2.32E+01
5551	482434.06	3852961.94	23.15443	3.10E+01	3.26E+01	3.55E+01
5552	482332.11	3852832.85	26.21124	3.51E+01	3.69E+01	4.01E+01
5553	481334.99	3851818.96	26.14484	3.50E+01	3.68E+01	4.00E+01
5554	481127.62	3851646.36	25.79231	3.45E+01	3.63E+01	3.95E+01
5555	481025.04	3851591.73	25.56884	3.42E+01	3.60E+01	3.92E+01
5556	480513.6	3851335.76	26.17141	3.50E+01	3.68E+01	4.01E+01
5557	480523.56	3851317.66	30.85781	4.13E+01	4.34E+01	4.72E+01
5558	476921.56	3849569.11	32.52888	4.35E+01	4.58E+01	4.98E+01
5559	476521.19	3849373.96	34.70642	4.65E+01	4.88E+01	5.31E+01
5560	476391.45	3849333.38	30.21407	4.04E+01	4.25E+01	4.63E+01
5561	476219.41	3849304.29	29.05133	3.89E+01	4.09E+01	4.45E+01
5562	475679.11	3849218.47	34.02979	4.55E+01	4.79E+01	5.21E+01
5563	475677.71	3849233.88	30.67621	4.11E+01	4.32E+01	4.70E+01
5564	475492.74	3849204.66	35.67558	4.77E+01	5.02E+01	5.46E+01
5565	475497.64	3849158.75	46.07967	6.17E+01	6.48E+01	7.06E+01
5566	475391.35	3849141.94	40.7104	5.45E+01	5.73E+01	6.23E+01
5567	475277	3849095.47	40.34502	5.40E+01	5.68E+01	6.18E+01
5568	475183.93	3849025.66	48.58725	6.50E+01	6.84E+01	7.44E+01
5569	474453.23	3848378.77	46.62175	6.24E+01	6.56E+01	7.14E+01
5570	474569.63	3848399.34	44.39531	5.94E+01	6.25E+01	6.80E+01
5571	474644.33	3848464.52	43.37798	5.81E+01	6.10E+01	6.64E+01
5572	474719.04	3848529.7	41.90155	5.61E+01	5.90E+01	6.42E+01
5573	474793.74	3848594.88	39.94992	5.35E+01	5.62E+01	6.12E+01
5574	474868.45	3848660.07	40.23019	5.38E+01	5.66E+01	6.16E+01
5575	474943.15	3848725.25	40.15194	5.37E+01	5.65E+01	6.15E+01
5576	475017.86	3848790.43	40.49658	5.42E+01	5.70E+01	6.20E+01
5577	475092.56	3848855.61	40.63264	5.44E+01	5.72E+01	6.22E+01
5578	475232.58	3848959.38	36.55632	4.89E+01	5.14E+01	5.60E+01
5579	475368.47	3849029.98	39.97294	5.35E+01	5.62E+01	6.12E+01
5580	475609.57	3849096.09	40.00315	5.35E+01	5.63E+01	6.13E+01
5581	475680.68	3849116.62	45.58124	6.10E+01	6.41E+01	6.98E+01
5582	475843.76	3849151.52	51.0291	6.83E+01	7.18E+01	7.81E+01
5583	475935.73	3849165.89	51.62275	6.91E+01	7.26E+01	7.90E+01
5584	476027.71	3849180.27	50.12367	6.71E+01	7.05E+01	7.67E+01
5585	476119.68	3849194.64	59.75603	8.00E+01	8.41E+01	9.15E+01
5586	476211.65	3849209.01	65.59568	8.78E+01	9.23E+01	1.00E+02
5587	476497.8	3849283.9	65.45024	8.76E+01	9.21E+01	1.00E+02
5588	476603.73	3849323.77	68.03107	9.11E+01	9.57E+01	1.04E+02
5589	476728.99	3849382.76	65.34627	8.75E+01	9.19E+01	1.00E+02
5590	476801.27	3849418.65	63.83107	8.54E+01	8.98E+01	9.77E+01
5591	476956.2	3849495.05	67.39837	9.02E+01	9.48E+01	1.03E+02
5592	477038.84	3849535.56	63.28607	8.47E+01	8.90E+01	9.69E+01
5593	477121.48	3849576.08	63.40207	8.49E+01	8.92E+01	9.71E+01
5594	477204.13	3849616.6	63.93228	8.56E+01	9.00E+01	9.79E+01
5595	477286.78	3849657.12	64.33238	8.61E+01	9.05E+01	9.85E+01
5596	477369.42	3849697.63	64.96008	8.69E+01	9.14E+01	9.95E+01
5597	477452.07	3849738.15	65.22978	8.73E+01	9.18E+01	9.99E+01
5598	477534.71	3849778.67	64.91179	8.69E+01	9.13E+01	9.94E+01
5599	477617.35	3849819.18	65.06332	8.71E+01	9.15E+01	9.96E+01
5600	477824.74	3849896.37	51.63557	6.91E+01	7.27E+01	7.91E+01
5601	477906.31	3849936.37	56.47481	7.56E+01	7.95E+01	8.65E+01
5602	477987.89	3849976.36	54.41286	7.28E+01	7.66E+01	8.33E+01
5603	478069.47	3850016.36	56.82252	7.61E+01	8.00E+01	8.70E+01

5604	478151.04	3850056.35	57.9991	7.76E+01	8.16E+01	8.88E+01
5605	478232.62	3850096.35	58.27673	7.80E+01	8.20E+01	8.92E+01
5606	478314.2	3850136.34	58.68977	7.86E+01	8.26E+01	8.99E+01
5607	478395.77	3850176.34	58.78029	7.87E+01	8.27E+01	9.00E+01
5608	478575.43	3850244.45	48.89454	6.54E+01	6.88E+01	7.49E+01
5609	478665.06	3850287.29	48.17649	6.45E+01	6.78E+01	7.38E+01
5610	478754.69	3850330.14	46.91525	6.28E+01	6.60E+01	7.18E+01
5611	478844.32	3850372.99	46.56133	6.23E+01	6.55E+01	7.13E+01
5612	478933.95	3850415.84	46.31584	6.20E+01	6.52E+01	7.09E+01
5613	479023.58	3850458.68	46.36052	6.21E+01	6.52E+01	7.10E+01
5614	479110.66	3850441.9	31.67225	4.24E+01	4.46E+01	4.85E+01
5615	479191.22	3850423.99	24.52021	3.28E+01	3.45E+01	3.75E+01
5616	479274.32	3850465.71	24.60552	3.29E+01	3.46E+01	3.77E+01
5617	479357.43	3850507.42	25.13599	3.36E+01	3.54E+01	3.85E+01
5618	479440.53	3850549.14	25.58914	3.42E+01	3.60E+01	3.92E+01
5619	479523.64	3850590.85	25.40949	3.40E+01	3.58E+01	3.89E+01
5620	479606.74	3850632.57	25.36321	3.39E+01	3.57E+01	3.88E+01
5621	479777.37	3850707.61	23.5102	3.15E+01	3.31E+01	3.60E+01
5622	479864.9	3850740.95	22.96791	3.07E+01	3.23E+01	3.52E+01
5623	479931.87	3850829.56	29.15381	3.90E+01	4.10E+01	4.46E+01
5624	479995.55	3850926.75	44.87357	6.01E+01	6.31E+01	6.87E+01
5625	480079.78	3850968.64	44.17435	5.91E+01	6.22E+01	6.76E+01
5626	480164.01	3851010.54	43.84797	5.87E+01	6.17E+01	6.71E+01
5627	480248.23	3851052.43	42.79101	5.73E+01	6.02E+01	6.55E+01
5628	480332.46	3851094.33	43.26957	5.79E+01	6.09E+01	6.63E+01
5629	480416.69	3851136.22	44.21899	5.92E+01	6.22E+01	6.77E+01
5630	480579.95	3851215.17	44.51911	5.96E+01	6.26E+01	6.82E+01
5631	480658.98	3851252.22	44.52106	5.96E+01	6.26E+01	6.82E+01
5632	480817.36	3851327.85	44.64944	5.98E+01	6.28E+01	6.84E+01
5633	480896.72	3851366.42	45.97536	6.15E+01	6.47E+01	7.04E+01
5634	480976.07	3851405	46.25835	6.19E+01	6.51E+01	7.08E+01
5635	481178	3851487.31	36.49019	4.88E+01	5.13E+01	5.59E+01
5636	481244.9	3851557.17	46.04286	6.16E+01	6.48E+01	7.05E+01
5637	481311.81	3851627.03	54.17906	7.25E+01	7.62E+01	8.30E+01
5638	481378.71	3851696.89	58.46459	7.83E+01	8.23E+01	8.95E+01
5639	481445.61	3851766.76	56.70303	7.59E+01	7.98E+01	8.68E+01
5640	481512.51	3851836.62	54.71579	7.32E+01	7.70E+01	8.38E+01
5641	481579.42	3851906.48	50.89249	6.81E+01	7.16E+01	7.79E+01
5642	481646.32	3851976.34	47.98435	6.42E+01	6.75E+01	7.35E+01
5643	481713.22	3852046.2	46.27386	6.19E+01	6.51E+01	7.09E+01
5644	481780.12	3852116.06	45.4269	6.08E+01	6.39E+01	6.96E+01
5645	481847.03	3852185.92	44.56611	5.96E+01	6.27E+01	6.82E+01
5646	481913.93	3852255.78	43.58287	5.83E+01	6.13E+01	6.67E+01
5647	481980.83	3852325.65	42.04105	5.63E+01	5.92E+01	6.44E+01
5648	482047.73	3852395.51	42.43621	5.68E+01	5.97E+01	6.50E+01
5649	482114.64	3852465.37	41.82991	5.60E+01	5.89E+01	6.40E+01
5650	482181.54	3852535.23	43.24227	5.79E+01	6.08E+01	6.62E+01
5651	482338.69	3852700.04	44.02863	5.89E+01	6.20E+01	6.74E+01
5652	482404.05	3852767.78	44.74	5.99E+01	6.30E+01	6.85E+01
5653	482469.4	3852835.52	44.86631	6.01E+01	6.31E+01	6.87E+01
5654	482534.75	3852903.25	45.48201	6.09E+01	6.40E+01	6.96E+01
5655	482600.11	3852970.98	44.59065	5.97E+01	6.27E+01	6.83E+01
5656	482706.71	3853119.28	48.01526	6.43E+01	6.76E+01	7.35E+01
5657	482747.96	3853199.84	47.78898	6.40E+01	6.72E+01	7.32E+01
5658	482789.21	3853280.4	45.31484	6.07E+01	6.38E+01	6.94E+01
5659	482830.46	3853360.96	41.73458	5.59E+01	5.87E+01	6.39E+01
5660	482871.71	3853441.52	37.58948	5.03E+01	5.29E+01	5.76E+01
5661	482912.95	3853522.07	33.56695	4.49E+01	4.72E+01	5.14E+01
5662	482954.2	3853602.63	28.18267	3.77E+01	3.97E+01	4.32E+01
5663	482995.45	3853683.19	23.14823	3.10E+01	3.26E+01	3.54E+01
5664	483036.7	3853763.75	19.46613	2.61E+01	2.74E+01	2.98E+01
5665	483214.2	3853909.91	18.97824	2.54E+01	2.67E+01	2.91E+01
5666	483307.01	3853910.44	17.54217	2.35E+01	2.47E+01	2.69E+01

5667	483399.83	3853910.96	17.20643	2.30E+01	2.42E+01	2.63E+01
5668	483494.52	3854009.24	15.77647	2.11E+01	2.22E+01	2.42E+01
5669	483496.41	3854106.98	14.44597	1.93E+01	2.03E+01	2.21E+01
5670	483577.56	3854261.96	13.89342	1.86E+01	1.95E+01	2.13E+01
5671	483656.83	3854319.19	12.70811	1.70E+01	1.79E+01	1.95E+01
5672	483736.1	3854376.41	12.02498	1.61E+01	1.69E+01	1.84E+01
5673	483815.36	3854433.64	11.24115	1.50E+01	1.58E+01	1.72E+01
5674	483894.63	3854490.87	10.1799	1.36E+01	1.43E+01	1.56E+01
5675	483973.9	3854548.1	9.1902	1.23E+01	1.29E+01	1.41E+01
5676	484053.17	3854605.32	8.55399	1.14E+01	1.20E+01	1.31E+01
5677	484214.97	3854698.15	8.10313	1.08E+01	1.14E+01	1.24E+01
5678	484297.5	3854733.74	8.48627	1.14E+01	1.19E+01	1.30E+01
5679	484380.03	3854769.34	8.44039	1.13E+01	1.19E+01	1.29E+01
5680	484462.56	3854804.94	8.55692	1.15E+01	1.20E+01	1.31E+01
5681	484545.09	3854840.53	8.22415	1.10E+01	1.16E+01	1.26E+01
5682	484691.88	3854912.58	8.15274	1.09E+01	1.15E+01	1.25E+01
5683	484830.81	3855012.51	7.98821	1.07E+01	1.12E+01	1.22E+01
5684	484905.48	3855075.97	8.06618	1.08E+01	1.13E+01	1.24E+01
5685	484980.14	3855139.44	7.93232	1.06E+01	1.12E+01	1.21E+01
5686	485054.81	3855202.91	7.74326	1.04E+01	1.09E+01	1.19E+01
5687	485129.48	3855266.37	7.54525	1.01E+01	1.06E+01	1.16E+01
5688	485204.15	3855329.84	7.37402	9.87E+00	1.04E+01	1.13E+01
5689	485278.82	3855393.31	7.19615	9.63E+00	1.01E+01	1.10E+01
5690	485353.48	3855456.77	6.98135	9.34E+00	9.82E+00	1.07E+01
5691	485428.15	3855520.24	6.81226	9.12E+00	9.59E+00	1.04E+01
5692	485502.82	3855583.71	6.6353	8.88E+00	9.34E+00	1.02E+01
5693	485577.49	3855647.17	6.41543	8.59E+00	9.03E+00	9.82E+00
5694	485652.16	3855710.64	6.17095	8.26E+00	8.68E+00	9.45E+00
5695	485726.83	3855774.1	6.00119	8.03E+00	8.44E+00	9.19E+00
5696	485801.49	3855837.57	5.89983	7.90E+00	8.30E+00	9.03E+00
5697	485876.16	3855901.04	5.75207	7.70E+00	8.09E+00	8.81E+00
5698	485950.83	3855964.5	5.65458	7.57E+00	7.96E+00	8.66E+00
5699	486025.5	3856027.97	5.6035	7.50E+00	7.88E+00	8.58E+00
5700	486100.17	3856091.44	5.36024	7.17E+00	7.54E+00	8.21E+00
5701	486174.83	3856154.9	5.35413	7.17E+00	7.53E+00	8.20E+00
5702	486249.5	3856218.37	5.40661	7.24E+00	7.61E+00	8.28E+00
5703	486324.17	3856281.84	5.47244	7.32E+00	7.70E+00	8.38E+00
5704	486398.84	3856345.3	5.31917	7.12E+00	7.48E+00	8.14E+00
5705	486473.51	3856408.77	5.22878	7.00E+00	7.36E+00	8.01E+00
5706	486548.17	3856472.24	5.07318	6.79E+00	7.14E+00	7.77E+00
5707	486622.84	3856535.7	4.93403	6.60E+00	6.94E+00	7.55E+00
5708	486765.48	3856659.69	4.62103	6.18E+00	6.50E+00	7.08E+00
5709	486833.44	3856720.2	4.48127	6.00E+00	6.31E+00	6.86E+00
5710	486901.41	3856780.72	4.34862	5.82E+00	6.12E+00	6.66E+00
5711	486969.38	3856841.24	4.26829	5.71E+00	6.01E+00	6.54E+00
5712	487037.34	3856901.75	4.31086	5.77E+00	6.07E+00	6.60E+00
5713	487271.23	3856855.51	4.20237	5.62E+00	5.91E+00	6.43E+00
5714	487368.96	3856857.29	4.03108	5.40E+00	5.67E+00	6.17E+00
5715	487466.68	3856859.06	3.97326	5.32E+00	5.59E+00	6.08E+00
5716	487636.44	3856930	3.88604	5.20E+00	5.47E+00	5.95E+00
5717	487709.57	3856928.43	3.83855	5.14E+00	5.40E+00	5.88E+00
5718	487782.54	3856841.96	3.85194	5.16E+00	5.42E+00	5.90E+00
5719	487849.83	3856754.74	3.99321	5.34E+00	5.62E+00	6.11E+00
5720	487918.03	3856819.39	3.80617	5.09E+00	5.36E+00	5.83E+00
5721	487918.8	3856886.37	3.73427	5.00E+00	5.25E+00	5.72E+00
5722	488065.47	3857127.5	3.8956	5.21E+00	5.48E+00	5.96E+00
5723	488192.19	3857385.83	4.37044	5.85E+00	6.15E+00	6.69E+00
5724	488191.22	3857473.87	4.70802	6.30E+00	6.62E+00	7.21E+00
5725	488190.24	3857561.9	5.09124	6.81E+00	7.16E+00	7.80E+00
5726	488158.35	3857691.13	5.85549	7.84E+00	8.24E+00	8.97E+00
5727	488208.37	3857816.66	6.45779	8.64E+00	9.09E+00	9.89E+00
5728	488271.97	3857874.6	6.53964	8.75E+00	9.20E+00	1.00E+01
5729	488463.56	3857942.31	5.94704	7.96E+00	8.37E+00	9.11E+00

5730	488554.83	3857940.83	5.63	7.54E+00	7.92E+00	8.62E+00
5731	488646.1	3857939.36	5.39684	7.22E+00	7.59E+00	8.26E+00
5732	488737.37	3857937.88	5.27246	7.06E+00	7.42E+00	8.07E+00
5733	488733.59	3857960.57	5.36334	7.18E+00	7.55E+00	8.21E+00
5734	488638.09	3857961.57	5.49975	7.36E+00	7.74E+00	8.42E+00
5735	488542.6	3857962.56	5.75806	7.71E+00	8.10E+00	8.82E+00
5736	488447.1	3857963.56	6.09939	8.16E+00	8.58E+00	9.34E+00
5737	488254.28	3857890.36	6.72717	9.00E+00	9.47E+00	1.03E+01
5738	488191.69	3857833.06	6.677	8.94E+00	9.39E+00	1.02E+01
5739	488129.5	3857907.43	7.42549	9.94E+00	1.04E+01	1.14E+01
5740	488196.47	3857968.73	6.97583	9.34E+00	9.82E+00	1.07E+01
5741	488263.44	3858030.04	6.54513	8.76E+00	9.21E+00	1.00E+01
5742	488400.64	3858132.9	7.36677	9.86E+00	1.04E+01	1.13E+01
5743	488519.89	3858218.38	7.91682	1.06E+01	1.11E+01	1.21E+01
5744	488647.97	3858214.99	6.86461	9.19E+00	9.66E+00	1.05E+01
5745	488727.05	3858167.67	6.13645	8.21E+00	8.63E+00	9.40E+00
5746	488806.12	3858120.35	5.65175	7.56E+00	7.95E+00	8.65E+00
5747	488885.2	3858073.03	5.43836	7.28E+00	7.65E+00	8.33E+00
5748	489055.76	3857991.17	5.76746	7.72E+00	8.12E+00	8.83E+00
5749	489245.39	3857944.54	5.50649	7.37E+00	7.75E+00	8.43E+00
5750	489430.63	3857930.91	4.37952	5.86E+00	6.16E+00	6.71E+00
5751	489517.74	3857929.36	3.98844	5.34E+00	5.61E+00	6.11E+00
5752	489604.85	3857927.82	3.96767	5.31E+00	5.58E+00	6.08E+00
5753	489691.97	3857926.28	3.88517	5.20E+00	5.47E+00	5.95E+00
5754	489779.08	3857924.73	3.59044	4.81E+00	5.05E+00	5.50E+00
5755	490017.54	3857875.08	3.04639	4.08E+00	4.29E+00	4.66E+00
5756	490033.82	3857960.81	3.33466	4.46E+00	4.69E+00	5.11E+00
5757	489959.15	3857987.49	3.61498	4.84E+00	5.09E+00	5.54E+00
5758	489791.49	3858016.12	3.88072	5.19E+00	5.46E+00	5.94E+00
5759	489698.51	3858018.07	4.08495	5.47E+00	5.75E+00	6.25E+00
5760	489605.52	3858020.02	4.09054	5.47E+00	5.76E+00	6.26E+00
5761	489512.53	3858021.96	4.50444	6.03E+00	6.34E+00	6.90E+00
5762	489419.55	3858023.91	5.37956	7.20E+00	7.57E+00	8.24E+00
5763	489228.47	3858041.29	5.68838	7.61E+00	8.00E+00	8.71E+00
5764	489065.75	3858085.78	5.8104	7.78E+00	8.18E+00	8.90E+00
5765	489001.12	3858114.86	5.6753	7.60E+00	7.99E+00	8.69E+00
5766	488861.89	3858189.81	5.97196	7.99E+00	8.40E+00	9.14E+00
5767	488787.28	3858235.69	6.35004	8.50E+00	8.93E+00	9.72E+00
5768	488712.68	3858281.57	7.1025	9.51E+00	9.99E+00	1.09E+01
5769	488654.39	3858436.17	10.06376	1.35E+01	1.42E+01	1.54E+01
5770	488726.3	3858505.26	10.58285	1.42E+01	1.49E+01	1.62E+01
5771	488880.6	3858599.28	9.62931	1.29E+01	1.35E+01	1.47E+01
5772	489008.06	3858714.75	11.27819	1.51E+01	1.59E+01	1.73E+01
5773	489071.48	3858772.72	12.30793	1.65E+01	1.73E+01	1.88E+01
5774	489244.59	3858920.19	14.9974	2.01E+01	2.11E+01	2.30E+01
5775	489239.69	3858952.23	16.80387	2.25E+01	2.36E+01	2.57E+01
5776	489121.67	3858854.49	13.70905	1.83E+01	1.93E+01	2.10E+01
5777	489059.59	3858797.27	12.62031	1.69E+01	1.78E+01	1.93E+01
5778	488997.52	3858740.04	11.7318	1.57E+01	1.65E+01	1.80E+01
5779	488935.44	3858682.82	10.76162	1.44E+01	1.51E+01	1.65E+01
5780	488869.17	3858848.43	31.46441	4.21E+01	4.43E+01	4.82E+01
5781	488932.48	3858892.69	33.43507	4.48E+01	4.70E+01	5.12E+01
5782	489063.27	3858977.17	35.70587	4.78E+01	5.02E+01	5.47E+01
5783	489248.2	3859117.15	53.21613	7.12E+01	7.49E+01	8.15E+01
5784	489296.25	3859049.22	22.47352	3.01E+01	3.16E+01	3.44E+01
5785	489353.38	3858993.96	15.90116	2.13E+01	2.24E+01	2.43E+01
5786	489537.24	3859120.22	18.06873	2.42E+01	2.54E+01	2.77E+01
5787	489726.98	3859246.04	20.6959	2.77E+01	2.91E+01	3.17E+01
5788	489911.46	3859366.33	24.20144	3.24E+01	3.41E+01	3.71E+01
5789	490035.3	3859430.26	26.14842	3.50E+01	3.68E+01	4.00E+01
5790	490101.11	3859458.61	26.60609	3.56E+01	3.74E+01	4.07E+01
5791	490312.68	3859560.3	29.39396	3.93E+01	4.14E+01	4.50E+01
5792	490401.63	3859603.12	30.50502	4.08E+01	4.29E+01	4.67E+01

5793	490490.57	3859645.94	31.38696	4.20E+01	4.42E+01	4.81E+01
5794	490579.51	3859688.76	32.01186	4.28E+01	4.50E+01	4.90E+01
5795	490668.45	3859731.58	31.93777	4.27E+01	4.49E+01	4.89E+01
5796	490757.4	3859774.4	33.38491	4.47E+01	4.70E+01	5.11E+01
5797	491003.53	3859861.82	26.07905	3.49E+01	3.67E+01	3.99E+01
5798	491081.41	3859879.05	23.81281	3.19E+01	3.35E+01	3.65E+01
5799	491229.76	3859917.82	21.38814	2.86E+01	3.01E+01	3.27E+01
5800	491300.22	3859939.35	20.59503	2.76E+01	2.90E+01	3.15E+01
5801	491350.48	3860012.03	24.9002	3.33E+01	3.50E+01	3.81E+01
5802	491406.82	3860092.56	28.63547	3.83E+01	4.03E+01	4.38E+01
5803	491483.36	3860121.96	26.20634	3.51E+01	3.69E+01	4.01E+01
5804	491559.91	3860151.35	23.95738	3.21E+01	3.37E+01	3.67E+01
5805	491711.81	3860237.76	22.65753	3.03E+01	3.19E+01	3.47E+01
5806	491755.2	3860319.07	23.58046	3.16E+01	3.32E+01	3.61E+01
5807	491704.71	3860366.54	33.44759	4.48E+01	4.71E+01	5.12E+01
5808	491623.42	3860462.39	27.20136	3.64E+01	3.83E+01	4.17E+01
5809	491534.02	3860439.85	18.95176	2.54E+01	2.67E+01	2.90E+01
5810	491313.95	3860268.17	18.03069	2.41E+01	2.54E+01	2.76E+01
5811	491187.12	3860143.56	28.66379	3.84E+01	4.03E+01	4.39E+01
5812	491070.43	3860075.97	25.72536	3.44E+01	3.62E+01	3.94E+01
5813	490995.09	3860039.38	26.83831	3.59E+01	3.78E+01	4.11E+01
5814	490919.75	3860002.8	28.50762	3.82E+01	4.01E+01	4.37E+01
5815	490756.81	3859894.53	45.48398	6.09E+01	6.40E+01	6.96E+01
5816	490668.07	3859860.92	43.85526	5.87E+01	6.17E+01	6.72E+01
5817	490579.34	3859827.3	43.45995	5.82E+01	6.12E+01	6.65E+01
5818	490490.6	3859793.68	41.7287	5.59E+01	5.87E+01	6.39E+01
5819	490401.86	3859760.07	40.2167	5.38E+01	5.66E+01	6.16E+01
5820	490313.12	3859726.45	39.06669	5.23E+01	5.50E+01	5.98E+01
5821	490224.39	3859692.83	37.75324	5.05E+01	5.31E+01	5.78E+01
5822	490135.65	3859659.22	35.9531	4.81E+01	5.06E+01	5.51E+01
5823	489918.18	3859559.23	39.72876	5.32E+01	5.59E+01	6.08E+01
5824	489743.61	3859486	34.96606	4.68E+01	4.92E+01	5.35E+01
5825	489660.32	3859440.27	34.9923	4.68E+01	4.92E+01	5.36E+01
5826	489577.04	3859394.53	34.39101	4.60E+01	4.84E+01	5.27E+01
5827	489493.75	3859348.8	33.5965	4.50E+01	4.73E+01	5.14E+01
5828	489321.28	3859240.02	38.99311	5.22E+01	5.49E+01	5.97E+01
5829	489235.41	3859193.96	39.31484	5.26E+01	5.53E+01	6.02E+01
5830	489149.54	3859147.89	38.17508	5.11E+01	5.37E+01	5.85E+01
5831	489063.68	3859101.82	37.29884	4.99E+01	5.25E+01	5.71E+01
5832	488977.81	3859055.75	36.05856	4.83E+01	5.07E+01	5.52E+01
5833	488891.94	3859009.69	33.82196	4.53E+01	4.76E+01	5.18E+01
5834	488808	3859060.73	19.84454	2.66E+01	2.79E+01	3.04E+01
5835	488809.93	3859157.85	15.39126	2.06E+01	2.17E+01	2.36E+01
5836	488811.85	3859254.96	12.13889	1.62E+01	1.71E+01	1.86E+01
5837	488813.78	3859352.07	10.56666	1.41E+01	1.49E+01	1.62E+01
5838	488815.71	3859449.19	9.02498	1.21E+01	1.27E+01	1.38E+01
5839	488910.04	3859547.1	8.49916	1.14E+01	1.20E+01	1.30E+01
5840	489002.45	3859547.91	9.12947	1.22E+01	1.28E+01	1.40E+01
5841	489094.85	3859548.71	9.87291	1.32E+01	1.39E+01	1.51E+01
5842	489230.05	3859601.87	9.95564	1.33E+01	1.40E+01	1.52E+01
5843	489227.52	3859680.89	8.28326	1.11E+01	1.17E+01	1.27E+01
5844	489133.47	3859760.29	6.75799	9.05E+00	9.51E+00	1.03E+01
5845	489041.96	3859760.67	6.41155	8.58E+00	9.02E+00	9.82E+00
5846	488950.45	3859761.05	6.09178	8.15E+00	8.57E+00	9.33E+00
5847	488858.94	3859761.43	5.81472	7.78E+00	8.18E+00	8.90E+00
5848	488767.43	3859761.82	5.53587	7.41E+00	7.79E+00	8.48E+00
5849	488675.92	3859762.2	5.30435	7.10E+00	7.46E+00	8.12E+00
5850	488584.41	3859762.58	5.06873	6.78E+00	7.13E+00	7.76E+00
5851	488492.9	3859762.96	4.87408	6.52E+00	6.86E+00	7.46E+00
5852	488402.76	3859830.95	4.4073	5.90E+00	6.20E+00	6.75E+00
5853	488404.14	3859898.55	4.2737	5.72E+00	6.01E+00	6.54E+00
5854	488505.18	3859964.96	4.27657	5.72E+00	6.02E+00	6.55E+00
5855	488604.84	3859963.76	4.42588	5.92E+00	6.23E+00	6.78E+00

5856	488704.51	3859962.56	4.5887	6.14E+00	6.46E+00	7.03E+00
5857	488804.18	3859961.37	4.76714	6.38E+00	6.71E+00	7.30E+00
5858	488903.85	3859960.17	4.95194	6.63E+00	6.97E+00	7.58E+00
5859	489003.52	3859958.97	5.13284	6.87E+00	7.22E+00	7.86E+00
5860	489103.18	3859957.77	5.32258	7.12E+00	7.49E+00	8.15E+00
5861	489201.48	3860046.59	4.9416	6.61E+00	6.95E+00	7.57E+00
5862	489200.11	3860136.61	4.44788	5.95E+00	6.26E+00	6.81E+00
5863	489198.74	3860226.63	4.06185	5.44E+00	5.72E+00	6.22E+00
5864	489197.38	3860316.65	3.74242	5.01E+00	5.27E+00	5.73E+00
5865	489196.01	3860406.68	3.486	4.67E+00	4.91E+00	5.34E+00
5866	489194.64	3860496.7	3.23593	4.33E+00	4.55E+00	4.95E+00
5867	489193.27	3860586.72	3.03985	4.07E+00	4.28E+00	4.65E+00
5868	489092.02	3860678.13	2.79651	3.74E+00	3.93E+00	4.28E+00
5869	488992.13	3860679.52	2.7519	3.68E+00	3.87E+00	4.21E+00
5870	488892.24	3860680.92	2.71619	3.64E+00	3.82E+00	4.16E+00
5871	488792.36	3860682.31	2.67395	3.58E+00	3.76E+00	4.09E+00
5872	488692.47	3860683.7	2.64199	3.54E+00	3.72E+00	4.05E+00
5873	488592.59	3860685.1	2.58685	3.46E+00	3.64E+00	3.96E+00
5874	488492.71	3860686.49	2.5793	3.45E+00	3.63E+00	3.95E+00
5875	488299.07	3860762.18	2.51177	3.36E+00	3.53E+00	3.85E+00
5876	488205.32	3860764.09	2.4569	3.29E+00	3.46E+00	3.76E+00
5877	488111.56	3860766	2.38949	3.20E+00	3.36E+00	3.66E+00
5878	488017.81	3860767.91	2.32195	3.11E+00	3.27E+00	3.56E+00
5879	487924.06	3860769.81	2.26591	3.03E+00	3.19E+00	3.47E+00
5880	487830.31	3860771.72	2.22116	2.97E+00	3.13E+00	3.40E+00
5881	487736.55	3860773.63	2.18655	2.93E+00	3.08E+00	3.35E+00
5882	487642.8	3860775.54	2.17088	2.91E+00	3.05E+00	3.32E+00
5883	487549.48	3860684.71	2.24001	3.00E+00	3.15E+00	3.43E+00
5884	487549.91	3860591.97	2.30144	3.08E+00	3.24E+00	3.52E+00
5885	487550.34	3860499.23	2.40701	3.22E+00	3.39E+00	3.69E+00
5886	487550.76	3860406.49	2.51166	3.36E+00	3.53E+00	3.85E+00
5887	487551.19	3860313.75	2.6207	3.51E+00	3.69E+00	4.01E+00
5888	487551.62	3860221.01	2.81223	3.76E+00	3.96E+00	4.31E+00
5889	487552.05	3860128.27	3.00847	4.03E+00	4.23E+00	4.61E+00
5890	487552.48	3860035.53	3.15012	4.22E+00	4.43E+00	4.82E+00
5891	487552.91	3859942.79	3.19579	4.28E+00	4.50E+00	4.89E+00
5892	487553.33	3859850.05	3.27861	4.39E+00	4.61E+00	5.02E+00
5893	487553.76	3859757.31	3.53885	4.74E+00	4.98E+00	5.42E+00
5894	487554.19	3859664.57	3.76969	5.05E+00	5.30E+00	5.77E+00
5895	487460.2	3859571.05	3.94027	5.27E+00	5.54E+00	6.03E+00
5896	487365.78	3859570.27	3.82467	5.12E+00	5.38E+00	5.86E+00
5897	487271.36	3859569.48	3.71186	4.97E+00	5.22E+00	5.68E+00
5898	487176.94	3859568.7	3.6042	4.82E+00	5.07E+00	5.52E+00
5899	487082.51	3859567.92	3.50894	4.70E+00	4.94E+00	5.37E+00
5900	486988.09	3859567.14	3.42075	4.58E+00	4.81E+00	5.24E+00
5901	486893.67	3859566.36	3.33714	4.47E+00	4.70E+00	5.11E+00
5902	486799.25	3859565.58	3.25809	4.36E+00	4.58E+00	4.99E+00
5903	486704.83	3859564.79	3.184	4.26E+00	4.48E+00	4.88E+00
5904	486610.41	3859564.01	3.11695	4.17E+00	4.39E+00	4.77E+00
5905	486515.99	3859563.23	3.04527	4.08E+00	4.28E+00	4.66E+00
5906	486421.57	3859562.45	2.98256	3.99E+00	4.20E+00	4.57E+00
5907	486327.14	3859561.67	2.92826	3.92E+00	4.12E+00	4.48E+00
5908	486232.72	3859560.89	2.86783	3.84E+00	4.04E+00	4.39E+00
5909	486138.3	3859560.1	2.81354	3.77E+00	3.96E+00	4.31E+00
5910	486043.88	3859559.32	2.76038	3.69E+00	3.88E+00	4.23E+00
5911	485949.35	3859463.54	2.80891	3.76E+00	3.95E+00	4.30E+00
5912	485949.24	3859368.55	2.99259	4.01E+00	4.21E+00	4.58E+00
5913	485949.12	3859273.55	3.18098	4.26E+00	4.48E+00	4.87E+00
5914	485949.01	3859178.56	3.343	4.47E+00	4.70E+00	5.12E+00
5915	485948.9	3859083.56	3.50166	4.69E+00	4.93E+00	5.36E+00
5916	485948.79	3858988.56	3.58299	4.80E+00	5.04E+00	5.49E+00
5917	485948.67	3858893.57	3.62556	4.85E+00	5.10E+00	5.55E+00
5918	485948.56	3858798.57	3.86518	5.17E+00	5.44E+00	5.92E+00

5919	485948.45	3858703.58	4.19839	5.62E+00	5.91E+00	6.43E+00
5920	485948.34	3858608.58	4.43698	5.94E+00	6.24E+00	6.79E+00
5921	485948.22	3858513.59	4.42993	5.93E+00	6.23E+00	6.78E+00
5922	485948.11	3858418.59	4.46557	5.98E+00	6.28E+00	6.84E+00
5923	485948	3858323.59	4.51291	6.04E+00	6.35E+00	6.91E+00
5924	485947.89	3858228.6	4.85014	6.49E+00	6.82E+00	7.43E+00
5925	485947.77	3858133.6	5.02831	6.73E+00	7.08E+00	7.70E+00
5926	485947.66	3858038.61	4.76412	6.38E+00	6.70E+00	7.29E+00
5927	485854.54	3857943.35	4.54981	6.09E+00	6.40E+00	6.97E+00
5928	485761.52	3857943.09	4.39432	5.88E+00	6.18E+00	6.73E+00
5929	485668.51	3857942.83	4.36096	5.84E+00	6.14E+00	6.68E+00
5930	485575.5	3857942.56	4.36954	5.85E+00	6.15E+00	6.69E+00
5931	485482.48	3857942.3	4.3568	5.83E+00	6.13E+00	6.67E+00
5932	485389.47	3857942.04	4.29924	5.75E+00	6.05E+00	6.58E+00
5933	485296.46	3857941.78	4.20487	5.63E+00	5.92E+00	6.44E+00
5934	485203.45	3857941.52	4.09711	5.48E+00	5.76E+00	6.27E+00
5935	485110.43	3857941.26	3.94754	5.28E+00	5.55E+00	6.04E+00
5936	485017.42	3857940.99	3.80908	5.10E+00	5.36E+00	5.83E+00
5937	484924.41	3857940.73	3.68029	4.93E+00	5.18E+00	5.64E+00
5938	484831.39	3857940.47	3.53966	4.74E+00	4.98E+00	5.42E+00
5939	484738.12	3857859.3	3.55824	4.76E+00	5.01E+00	5.45E+00
5940	484737.85	3857778.4	3.66825	4.91E+00	5.16E+00	5.62E+00
5941	484737.59	3857697.49	3.61849	4.84E+00	5.09E+00	5.54E+00
5942	484737.32	3857616.59	3.38777	4.53E+00	4.77E+00	5.19E+00
5943	484645.53	3857535.18	3.28506	4.40E+00	4.62E+00	5.03E+00
5944	484553.99	3857534.67	3.22234	4.31E+00	4.53E+00	4.93E+00
5945	484462.46	3857534.17	3.20574	4.29E+00	4.51E+00	4.91E+00
5946	484370.93	3857533.66	3.22886	4.32E+00	4.54E+00	4.94E+00
5947	484279.4	3857533.16	3.24397	4.34E+00	4.56E+00	4.97E+00
5948	484187.86	3857532.65	3.233	4.33E+00	4.55E+00	4.95E+00
5949	484096.33	3857532.15	3.20513	4.29E+00	4.51E+00	4.91E+00
5950	484004.8	3857531.64	3.15353	4.22E+00	4.44E+00	4.83E+00
5951	483913.27	3857531.14	3.07333	4.11E+00	4.32E+00	4.71E+00
5952	483821.73	3857530.63	2.98845	4.00E+00	4.20E+00	4.58E+00
5953	483729.61	3857450.11	2.97559	3.98E+00	4.19E+00	4.56E+00
5954	483729.03	3857370.08	2.92925	3.92E+00	4.12E+00	4.49E+00
5955	483728.44	3857290.06	2.75418	3.69E+00	3.88E+00	4.22E+00
5956	483727.86	3857210.03	2.70735	3.62E+00	3.81E+00	4.15E+00
5957	483641.15	3857129.07	2.68352	3.59E+00	3.78E+00	4.11E+00
5958	483555.03	3857128.14	2.62728	3.52E+00	3.70E+00	4.02E+00
5959	483468.91	3857127.2	2.56935	3.44E+00	3.62E+00	3.93E+00
5960	483382.78	3857126.26	2.54001	3.40E+00	3.57E+00	3.89E+00
5961	483296.66	3857125.32	2.51086	3.36E+00	3.53E+00	3.84E+00
5962	483210.54	3857124.39	2.50858	3.36E+00	3.53E+00	3.84E+00
5963	483123.4	3857030.96	2.41371	3.23E+00	3.40E+00	3.70E+00
5964	483122.38	3856938.46	2.4355	3.26E+00	3.43E+00	3.73E+00
5965	483121.35	3856845.97	2.43757	3.26E+00	3.43E+00	3.73E+00
5966	483120.33	3856753.47	2.40711	3.22E+00	3.39E+00	3.69E+00
5967	483119.31	3856660.98	2.45781	3.29E+00	3.46E+00	3.76E+00
5968	483118.29	3856568.49	2.48654	3.33E+00	3.50E+00	3.81E+00
5969	483117.26	3856475.99	2.67146	3.58E+00	3.76E+00	4.09E+00
5970	483116.24	3856383.5	2.74185	3.67E+00	3.86E+00	4.20E+00
5971	483115.22	3856291.01	2.64806	3.54E+00	3.73E+00	4.05E+00
5972	483114.2	3856198.51	2.4624	3.30E+00	3.46E+00	3.77E+00
5973	483113.17	3856106.02	2.34952	3.14E+00	3.31E+00	3.60E+00
5974	483112.15	3856013.52	2.44465	3.27E+00	3.44E+00	3.74E+00
5975	483029.25	3855920.47	2.48668	3.33E+00	3.50E+00	3.81E+00
5976	482947.37	3855919.91	2.40658	3.22E+00	3.39E+00	3.68E+00
5977	482865.49	3855919.36	2.29447	3.07E+00	3.23E+00	3.51E+00
5978	482783.61	3855918.8	2.21522	2.96E+00	3.12E+00	3.39E+00
5979	482700.33	3855818.39	2.25653	3.02E+00	3.18E+00	3.46E+00
5980	482698.92	3855718.54	2.44383	3.27E+00	3.44E+00	3.74E+00
5981	482697.52	3855618.68	2.53815	3.40E+00	3.57E+00	3.89E+00

5982	482696.11	3855518.83	2.62346	3.51E+00	3.69E+00	4.02E+00
5983	482694.71	3855418.98	2.56025	3.43E+00	3.60E+00	3.92E+00
5984	482693.3	3855319.13	2.60497	3.49E+00	3.67E+00	3.99E+00
5985	482691.9	3855219.27	2.67324	3.58E+00	3.76E+00	4.09E+00
5986	482690.49	3855119.42	2.69359	3.61E+00	3.79E+00	4.12E+00
5987	482689.09	3855019.57	2.9807	3.99E+00	4.19E+00	4.56E+00
5988	482687.68	3854919.71	3.15477	4.22E+00	4.44E+00	4.83E+00
5989	482686.28	3854819.86	3.25466	4.36E+00	4.58E+00	4.98E+00
5990	482684.88	3854720.01	3.27844	4.39E+00	4.61E+00	5.02E+00
5991	482683.47	3854620.16	3.48541	4.66E+00	4.90E+00	5.34E+00
5992	482682.07	3854520.31	3.70588	4.96E+00	5.21E+00	5.67E+00
5993	482680.66	3854420.45	3.96009	5.30E+00	5.57E+00	6.06E+00
5994	482679.26	3854320.6	4.2594	5.70E+00	5.99E+00	6.52E+00
5995	482677.85	3854220.75	4.59593	6.15E+00	6.47E+00	7.04E+00
5996	482676.45	3854120.9	4.9691	6.65E+00	6.99E+00	7.61E+00
5997	482675.04	3854021.04	5.37362	7.19E+00	7.56E+00	8.23E+00
5998	482673.64	3853921.19	5.82387	7.79E+00	8.19E+00	8.92E+00
5999	482672.23	3853821.34	6.55958	8.78E+00	9.23E+00	1.00E+01
6000	482670.83	3853721.48	7.49393	1.00E+01	1.05E+01	1.15E+01
6001	482669.42	3853621.63	8.27867	1.11E+01	1.16E+01	1.27E+01
6002	482645.99	3853446.13	10.53127	1.41E+01	1.48E+01	1.61E+01
6003	482623.97	3853370.48	11.74216	1.57E+01	1.65E+01	1.80E+01
6004	482601.94	3853294.84	13.2316	1.77E+01	1.86E+01	2.03E+01
6005	482531.29	3853133.44	16.8952	2.26E+01	2.38E+01	2.59E+01
6006	482482.68	3853047.69	19.61242	2.62E+01	2.76E+01	3.00E+01
6007	482383.09	3852897.4	24.51208	3.28E+01	3.45E+01	3.75E+01
6008	482265.64	3852765.26	25.47374	3.41E+01	3.58E+01	3.90E+01
6009	482199.16	3852697.66	25.27541	3.38E+01	3.56E+01	3.87E+01
6010	482132.69	3852630.07	25.98471	3.48E+01	3.66E+01	3.98E+01
6011	482066.21	3852562.48	26.46576	3.54E+01	3.72E+01	4.05E+01
6012	481999.74	3852494.89	26.73332	3.58E+01	3.76E+01	4.09E+01
6013	481933.26	3852427.29	26.83284	3.59E+01	3.78E+01	4.11E+01
6014	481866.79	3852359.7	27.0662	3.62E+01	3.81E+01	4.14E+01
6015	481800.31	3852292.11	27.23068	3.64E+01	3.83E+01	4.17E+01
6016	481733.84	3852224.52	27.19409	3.64E+01	3.83E+01	4.16E+01
6017	481667.36	3852156.92	27.27744	3.65E+01	3.84E+01	4.18E+01
6018	481600.89	3852089.33	26.89437	3.60E+01	3.78E+01	4.12E+01
6019	481534.41	3852021.74	26.31283	3.52E+01	3.70E+01	4.03E+01
6020	481467.94	3851954.15	25.97066	3.48E+01	3.65E+01	3.98E+01
6021	481401.46	3851886.55	26.21028	3.51E+01	3.69E+01	4.01E+01
6022	481265.87	3851761.43	24.96299	3.34E+01	3.51E+01	3.82E+01
6023	481196.74	3851703.89	24.59086	3.29E+01	3.46E+01	3.77E+01
6024	481076.33	3851619.04	25.37419	3.40E+01	3.57E+01	3.89E+01
6025	480939.8	3851549.07	25.79153	3.45E+01	3.63E+01	3.95E+01
6026	480854.56	3851506.41	25.89199	3.47E+01	3.64E+01	3.96E+01
6027	480769.32	3851463.75	26.10753	3.49E+01	3.67E+01	4.00E+01
6028	480684.08	3851421.08	26.32918	3.52E+01	3.70E+01	4.03E+01
6029	480598.84	3851378.42	26.21654	3.51E+01	3.69E+01	4.01E+01
6030	480435.71	3851275.01	30.84349	4.13E+01	4.34E+01	4.72E+01
6031	480347.85	3851232.36	30.62186	4.10E+01	4.31E+01	4.69E+01
6032	480260	3851189.72	30.49173	4.08E+01	4.29E+01	4.67E+01
6033	480172.15	3851147.07	30.43322	4.07E+01	4.28E+01	4.66E+01
6034	480084.29	3851104.42	30.55025	4.09E+01	4.30E+01	4.68E+01
6035	479996.44	3851061.77	30.81691	4.12E+01	4.34E+01	4.72E+01
6036	479908.58	3851019.13	32.13906	4.30E+01	4.52E+01	4.92E+01
6037	479820.73	3850976.48	32.29821	4.32E+01	4.54E+01	4.95E+01
6038	479732.88	3850933.83	32.42413	4.34E+01	4.56E+01	4.96E+01
6039	479645.02	3850891.18	32.4312	4.34E+01	4.56E+01	4.97E+01
6040	479557.17	3850848.54	32.23639	4.31E+01	4.54E+01	4.94E+01
6041	479469.32	3850805.89	32.50845	4.35E+01	4.57E+01	4.98E+01
6042	479381.46	3850763.24	32.01601	4.29E+01	4.50E+01	4.90E+01
6043	479293.61	3850720.59	30.77911	4.12E+01	4.33E+01	4.71E+01
6044	479205.76	3850677.95	29.63754	3.97E+01	4.17E+01	4.54E+01

6045	479117.9	3850635.3	28.41901	3.80E+01	4.00E+01	4.35E+01
6046	479030.05	3850592.65	27.75208	3.71E+01	3.90E+01	4.25E+01
6047	478942.19	3850550	28.21356	3.78E+01	3.97E+01	4.32E+01
6048	478854.34	3850507.36	30.43982	4.07E+01	4.28E+01	4.66E+01
6049	478766.49	3850464.71	30.9685	4.14E+01	4.36E+01	4.74E+01
6050	478678.63	3850422.06	31.1402	4.17E+01	4.38E+01	4.77E+01
6051	478590.78	3850379.41	31.66779	4.24E+01	4.46E+01	4.85E+01
6052	478502.93	3850336.77	31.99881	4.28E+01	4.50E+01	4.90E+01
6053	478415.07	3850294.12	32.1237	4.30E+01	4.52E+01	4.92E+01
6054	478327.22	3850251.47	33.02495	4.42E+01	4.65E+01	5.06E+01
6055	478239.36	3850208.82	33.43467	4.47E+01	4.70E+01	5.12E+01
6056	478151.51	3850166.18	33.58776	4.50E+01	4.73E+01	5.14E+01
6057	478063.66	3850123.53	33.78471	4.52E+01	4.75E+01	5.17E+01
6058	477975.8	3850080.88	31.02122	4.15E+01	4.36E+01	4.75E+01
6059	477887.95	3850038.23	30.43331	4.07E+01	4.28E+01	4.66E+01
6060	477800.1	3849995.59	29.76693	3.98E+01	4.19E+01	4.56E+01
6061	477712.24	3849952.94	29.77096	3.98E+01	4.19E+01	4.56E+01
6062	477624.39	3849910.29	29.85187	4.00E+01	4.20E+01	4.57E+01
6063	477536.54	3849867.64	29.80804	3.99E+01	4.19E+01	4.56E+01
6064	477448.68	3849825	30.16773	4.04E+01	4.24E+01	4.62E+01
6065	477360.83	3849782.35	30.43497	4.07E+01	4.28E+01	4.66E+01
6066	477272.97	3849739.7	30.64708	4.10E+01	4.31E+01	4.69E+01
6067	477185.12	3849697.05	30.62009	4.10E+01	4.31E+01	4.69E+01
6068	477097.27	3849654.41	30.90871	4.14E+01	4.35E+01	4.73E+01
6069	477009.41	3849611.76	31.92722	4.27E+01	4.49E+01	4.89E+01
6070	476841.49	3849530.08	32.64811	4.37E+01	4.59E+01	5.00E+01
6071	476761.41	3849491.05	32.58537	4.36E+01	4.58E+01	4.99E+01
6072	476681.34	3849452.02	33.06008	4.42E+01	4.65E+01	5.06E+01
6073	476601.26	3849412.99	33.66294	4.51E+01	4.74E+01	5.15E+01
6074	476456.32	3849353.67	32.81624	4.39E+01	4.62E+01	5.02E+01
6075	476305.43	3849318.83	28.84148	3.86E+01	4.06E+01	4.42E+01
6076	476129.36	3849289.99	28.98795	3.88E+01	4.08E+01	4.44E+01
6077	476039.31	3849275.68	28.6468	3.83E+01	4.03E+01	4.39E+01
6078	475949.26	3849261.38	30.63104	4.10E+01	4.31E+01	4.69E+01
6079	475859.21	3849247.08	31.94471	4.28E+01	4.49E+01	4.89E+01
6080	475769.16	3849232.77	33.58874	4.50E+01	4.73E+01	5.14E+01
6081	475585.22	3849219.27	35.64031	4.77E+01	5.01E+01	5.46E+01
6082	475444.49	3849150.35	44.08281	5.90E+01	6.20E+01	6.75E+01
6083	475334.17	3849118.71	41.38051	5.54E+01	5.82E+01	6.34E+01
6084	475230.47	3849060.56	47.33645	6.34E+01	6.66E+01	7.25E+01
6085	475110.86	3848960.97	55.02305	7.36E+01	7.74E+01	8.43E+01
6086	475037.79	3848896.28	53.5719	7.17E+01	7.54E+01	8.20E+01
6087	474964.72	3848831.59	51.34148	6.87E+01	7.22E+01	7.86E+01
6088	474891.65	3848766.9	49.14563	6.58E+01	6.92E+01	7.53E+01
6089	474818.58	3848702.21	48.31861	6.47E+01	6.80E+01	7.40E+01
6090	474745.51	3848637.53	44.10896	5.90E+01	6.21E+01	6.75E+01
6091	474672.44	3848572.84	43.51644	5.82E+01	6.12E+01	6.66E+01
6092	474599.37	3848508.15	45.7113	6.12E+01	6.43E+01	7.00E+01
6093	474526.3	3848443.46	45.66732	6.11E+01	6.43E+01	6.99E+01

			NO2		2028 RD	2033 RD	2048 RD
			8th	Rates (g/s)	1.34E+00	1.41E+00	1.53E+00
			Concentration [ug/m^3] at 1 g/s				
	X	Y	Leads (SLINE1A, 1B)		Leads	Leads	Leads
1	485973.61	3854936.51	4.47433		5.99E+00	6.30E+00	6.85E+00
2	486023.61	3854936.51	4.40831		5.90E+00	6.20E+00	6.75E+00
3	486073.61	3854936.51	4.33992		5.81E+00	6.11E+00	6.65E+00
4	486123.61	3854936.51	4.28321		5.73E+00	6.03E+00	6.56E+00
5	486173.61	3854936.51	4.26207		5.70E+00	6.00E+00	6.53E+00
6	486223.61	3854936.51	4.16514		5.57E+00	5.86E+00	6.38E+00
7	486273.61	3854936.51	4.13331		5.53E+00	5.82E+00	6.33E+00
8	486323.61	3854936.51	4.17836		5.59E+00	5.88E+00	6.40E+00
9	485973.61	3854986.51	4.41576		5.91E+00	6.21E+00	6.76E+00
10	486023.61	3854986.51	4.39542		5.88E+00	6.18E+00	6.73E+00
11	486073.61	3854986.51	4.43072		5.93E+00	6.23E+00	6.78E+00
12	486123.61	3854986.51	4.32314		5.79E+00	6.08E+00	6.62E+00
13	486173.61	3854986.51	4.28519		5.74E+00	6.03E+00	6.56E+00
14	486223.61	3854986.51	4.23924		5.67E+00	5.96E+00	6.49E+00
15	486273.61	3854986.51	4.15499		5.56E+00	5.85E+00	6.36E+00
16	486323.61	3854986.51	4.1209		5.52E+00	5.80E+00	6.31E+00
17	485973.61	3855036.51	4.50636		6.03E+00	6.34E+00	6.90E+00
18	486023.61	3855036.51	4.38159		5.86E+00	6.17E+00	6.71E+00
19	486073.61	3855036.51	4.29901		5.75E+00	6.05E+00	6.58E+00
20	486123.61	3855036.51	4.36284		5.84E+00	6.14E+00	6.68E+00
21	486173.61	3855036.51	4.33995		5.81E+00	6.11E+00	6.65E+00
22	486223.61	3855036.51	4.22746		5.66E+00	5.95E+00	6.47E+00
23	486273.61	3855036.51	4.2236		5.65E+00	5.94E+00	6.47E+00
24	486323.61	3855036.51	4.18688		5.60E+00	5.89E+00	6.41E+00
25	485973.61	3855086.51	4.51035		6.04E+00	6.35E+00	6.91E+00
26	486023.61	3855086.51	4.50505		6.03E+00	6.34E+00	6.90E+00
27	486073.61	3855086.51	4.38042		5.86E+00	6.16E+00	6.71E+00
28	486123.61	3855086.51	4.31155		5.77E+00	6.07E+00	6.60E+00
29	486173.61	3855086.51	4.26835		5.71E+00	6.01E+00	6.54E+00
30	486223.61	3855086.51	4.33606		5.80E+00	6.10E+00	6.64E+00
31	485973.61	3855136.51	4.57115		6.12E+00	6.43E+00	7.00E+00
32	486023.61	3855136.51	4.52966		6.06E+00	6.37E+00	6.94E+00
33	486073.61	3855136.51	4.44848		5.95E+00	6.26E+00	6.81E+00
34	486123.61	3855136.51	4.38898		5.87E+00	6.18E+00	6.72E+00
35	486173.61	3855136.51	4.27348		5.72E+00	6.01E+00	6.54E+00
36	486223.61	3855136.51	4.2047		5.63E+00	5.92E+00	6.44E+00
37	485973.61	3855186.51	4.59883		6.16E+00	6.47E+00	7.04E+00
38	486023.61	3855186.51	4.50521		6.03E+00	6.34E+00	6.90E+00
39	486073.61	3855186.51	4.51444		6.04E+00	6.35E+00	6.91E+00
40	486123.61	3855186.51	4.3761		5.86E+00	6.16E+00	6.70E+00
41	486173.61	3855186.51	4.34983		5.82E+00	6.12E+00	6.66E+00
42	486223.61	3855186.51	4.26615		5.71E+00	6.00E+00	6.53E+00
43	486273.61	3855186.51	4.18432		5.60E+00	5.89E+00	6.41E+00
44	486323.61	3855186.51	4.20784		5.63E+00	5.92E+00	6.44E+00
45	485973.61	3855236.51	4.6135		6.17E+00	6.49E+00	7.06E+00
46	486023.61	3855236.51	4.60268		6.16E+00	6.48E+00	7.05E+00
47	486073.61	3855236.51	4.4924		6.01E+00	6.32E+00	6.88E+00
48	486123.61	3855236.51	4.43936		5.94E+00	6.25E+00	6.80E+00
49	486173.61	3855236.51	4.36467		5.84E+00	6.14E+00	6.68E+00
50	486223.61	3855236.51	4.30065		5.76E+00	6.05E+00	6.59E+00
51	486273.61	3855236.51	4.21046		5.64E+00	5.92E+00	6.45E+00
52	486323.61	3855236.51	4.19694		5.62E+00	5.91E+00	6.43E+00
53	485973.61	3855286.51	4.58084		6.13E+00	6.45E+00	7.01E+00
54	486023.61	3855286.51	4.59043		6.14E+00	6.46E+00	7.03E+00
55	486073.61	3855286.51	4.55477		6.10E+00	6.41E+00	6.97E+00
56	486123.61	3855286.51	4.4629		5.97E+00	6.28E+00	6.83E+00
57	486173.61	3855286.51	4.3579		5.83E+00	6.13E+00	6.67E+00
58	486223.61	3855286.51	4.37704		5.86E+00	6.16E+00	6.70E+00
59	486123.61	3855336.51	4.45159		5.96E+00	6.26E+00	6.82E+00

60	486173.61	3855336.51	4.42125	5.92E+00	6.22E+00	6.77E+00
61	486223.61	3855336.51	4.32797	5.79E+00	6.09E+00	6.63E+00
62	486123.61	3855386.51	4.4132	5.91E+00	6.21E+00	6.76E+00
63	486173.61	3855386.51	4.40701	5.90E+00	6.20E+00	6.75E+00
64	486223.61	3855386.51	4.40852	5.90E+00	6.20E+00	6.75E+00
65	486533.18	3855443.15	4.0915	5.48E+00	5.76E+00	6.26E+00
66	486583.18	3855443.15	4.04694	5.42E+00	5.69E+00	6.20E+00
67	486633.18	3855443.15	3.97431	5.32E+00	5.59E+00	6.09E+00
68	486683.18	3855443.15	3.92201	5.25E+00	5.52E+00	6.01E+00
69	486533.18	3855493.15	4.13698	5.54E+00	5.82E+00	6.33E+00
70	486583.18	3855493.15	4.00691	5.36E+00	5.64E+00	6.14E+00
71	486633.18	3855493.15	4.00176	5.36E+00	5.63E+00	6.13E+00
72	486683.18	3855493.15	3.96005	5.30E+00	5.57E+00	6.06E+00
73	486533.18	3855543.15	4.09622	5.48E+00	5.76E+00	6.27E+00
74	486583.18	3855543.15	4.10377	5.49E+00	5.77E+00	6.28E+00
75	486633.18	3855543.15	3.97719	5.32E+00	5.60E+00	6.09E+00
76	486683.18	3855543.15	3.96358	5.30E+00	5.58E+00	6.07E+00
77	486533.18	3855593.15	4.14797	5.55E+00	5.84E+00	6.35E+00
78	486583.18	3855593.15	4.0753	5.45E+00	5.73E+00	6.24E+00
79	486633.18	3855593.15	4.05637	5.43E+00	5.71E+00	6.21E+00
80	486683.18	3855593.15	4.00171	5.36E+00	5.63E+00	6.13E+00
81	486533.18	3855643.15	4.11389	5.51E+00	5.79E+00	6.30E+00
82	486583.18	3855643.15	4.13471	5.53E+00	5.82E+00	6.33E+00
83	486633.18	3855643.15	4.07924	5.46E+00	5.74E+00	6.25E+00
84	486683.18	3855643.15	3.98795	5.34E+00	5.61E+00	6.11E+00
85	486533.18	3855693.15	4.08666	5.47E+00	5.75E+00	6.26E+00
86	486583.18	3855693.15	4.03954	5.41E+00	5.68E+00	6.19E+00
87	486633.18	3855693.15	4.06708	5.44E+00	5.72E+00	6.23E+00
88	486683.18	3855693.15	4.01632	5.38E+00	5.65E+00	6.15E+00
89	486733.18	3855693.15	3.9536	5.29E+00	5.56E+00	6.05E+00
90	486783.18	3855693.15	3.97361	5.32E+00	5.59E+00	6.08E+00
91	486533.18	3855743.15	4.01552	5.37E+00	5.65E+00	6.15E+00
92	486583.18	3855743.15	4.0284	5.39E+00	5.67E+00	6.17E+00
93	486633.18	3855743.15	3.99663	5.35E+00	5.62E+00	6.12E+00
94	486683.18	3855743.15	3.99766	5.35E+00	5.62E+00	6.12E+00
95	486733.18	3855743.15	4.01656	5.38E+00	5.65E+00	6.15E+00
96	486783.18	3855743.15	3.98432	5.33E+00	5.61E+00	6.10E+00
97	486533.18	3855793.15	3.77439	5.05E+00	5.31E+00	5.78E+00
98	486583.18	3855793.15	3.93043	5.26E+00	5.53E+00	6.02E+00
99	486633.18	3855793.15	3.98695	5.34E+00	5.61E+00	6.10E+00
100	486683.18	3855793.15	3.97249	5.32E+00	5.59E+00	6.08E+00
101	486733.18	3855793.15	3.94928	5.29E+00	5.56E+00	6.05E+00
102	486783.18	3855793.15	3.99656	5.35E+00	5.62E+00	6.12E+00
103	486533.18	3855843.15	3.61626	4.84E+00	5.09E+00	5.54E+00
104	486583.18	3855843.15	3.69071	4.94E+00	5.19E+00	5.65E+00
105	486633.18	3855843.15	3.81893	5.11E+00	5.37E+00	5.85E+00
106	486683.18	3855843.15	3.9073	5.23E+00	5.50E+00	5.98E+00
107	486733.18	3855843.15	3.93141	5.26E+00	5.53E+00	6.02E+00
108	486783.18	3855843.15	3.90364	5.22E+00	5.49E+00	5.98E+00
109	486533.18	3855893.15	3.56432	4.77E+00	5.02E+00	5.46E+00
110	486583.18	3855893.15	3.53807	4.74E+00	4.98E+00	5.42E+00
111	486633.18	3855893.15	3.6028	4.82E+00	5.07E+00	5.52E+00
112	486683.18	3855893.15	3.69629	4.95E+00	5.20E+00	5.66E+00
113	486733.18	3855893.15	3.83495	5.13E+00	5.40E+00	5.87E+00
114	486783.18	3855893.15	3.88788	5.20E+00	5.47E+00	5.95E+00
115	486533.18	3855943.15	3.54536	4.75E+00	4.99E+00	5.43E+00
116	486583.18	3855943.15	3.5442	4.74E+00	4.99E+00	5.43E+00
117	486633.18	3855943.15	3.47767	4.65E+00	4.89E+00	5.32E+00
118	486683.18	3855943.15	3.51383	4.70E+00	4.94E+00	5.38E+00
119	486733.18	3855943.15	3.57739	4.79E+00	5.03E+00	5.48E+00
120	486783.18	3855943.15	3.7185	4.98E+00	5.23E+00	5.69E+00
121	486533.18	3855993.15	3.47027	4.64E+00	4.88E+00	5.31E+00
122	486583.18	3855993.15	3.49152	4.67E+00	4.91E+00	5.35E+00

123	486633.18	3855993.15	3.47602	4.65E+00	4.89E+00	5.32E+00
124	486683.18	3855993.15	3.42057	4.58E+00	4.81E+00	5.24E+00
125	486733.18	3855993.15	3.42475	4.58E+00	4.82E+00	5.24E+00
126	486783.18	3855993.15	3.48914	4.67E+00	4.91E+00	5.34E+00
127	486533.18	3856043.15	3.51523	4.70E+00	4.95E+00	5.38E+00
128	486583.18	3856043.15	3.41841	4.58E+00	4.81E+00	5.23E+00
129	486633.18	3856043.15	3.42668	4.59E+00	4.82E+00	5.25E+00
130	486683.18	3856043.15	3.40742	4.56E+00	4.79E+00	5.22E+00
131	486733.18	3856043.15	3.41436	4.57E+00	4.80E+00	5.23E+00
132	486783.18	3856043.15	3.37018	4.51E+00	4.74E+00	5.16E+00
133	486533.18	3856093.15	3.4657	4.64E+00	4.88E+00	5.31E+00
134	486583.18	3856093.15	3.48035	4.66E+00	4.90E+00	5.33E+00
135	486633.18	3856093.15	3.39459	4.54E+00	4.78E+00	5.20E+00
136	486683.18	3856093.15	3.34667	4.48E+00	4.71E+00	5.12E+00
137	486733.18	3856093.15	3.36578	4.50E+00	4.74E+00	5.15E+00
138	486783.18	3856093.15	3.36576	4.50E+00	4.74E+00	5.15E+00
139	486533.18	3856143.15	3.41331	4.57E+00	4.80E+00	5.23E+00
140	486583.18	3856143.15	3.40821	4.56E+00	4.80E+00	5.22E+00
141	486633.18	3856143.15	3.42453	4.58E+00	4.82E+00	5.24E+00
142	486683.18	3856143.15	3.36585	4.50E+00	4.74E+00	5.15E+00
143	486733.18	3856143.15	3.29524	4.41E+00	4.64E+00	5.05E+00
144	486783.18	3856143.15	3.3033	4.42E+00	4.65E+00	5.06E+00
145	486533.18	3856193.15	3.29774	4.41E+00	4.64E+00	5.05E+00
146	486583.18	3856193.15	3.34978	4.48E+00	4.71E+00	5.13E+00
147	486633.18	3856193.15	3.31108	4.43E+00	4.66E+00	5.07E+00
148	486683.18	3856193.15	3.35958	4.50E+00	4.73E+00	5.14E+00
149	486733.18	3856193.15	3.346	4.48E+00	4.71E+00	5.12E+00
150	486783.18	3856193.15	3.23816	4.33E+00	4.56E+00	4.96E+00
151	486533.18	3856243.15	3.30714	4.43E+00	4.65E+00	5.06E+00
152	486583.18	3856243.15	3.22216	4.31E+00	4.53E+00	4.93E+00
153	486633.18	3856243.15	3.28869	4.40E+00	4.63E+00	5.04E+00
154	486683.18	3856243.15	3.29234	4.41E+00	4.63E+00	5.04E+00
155	486733.18	3856243.15	3.31028	4.43E+00	4.66E+00	5.07E+00
156	486783.18	3856243.15	3.33112	4.46E+00	4.69E+00	5.10E+00
157	486533.18	3856293.15	3.39763	4.55E+00	4.78E+00	5.20E+00
158	486583.18	3856293.15	3.28837	4.40E+00	4.63E+00	5.04E+00
159	486633.18	3856293.15	3.17051	4.24E+00	4.46E+00	4.85E+00
160	486683.18	3856293.15	3.26028	4.36E+00	4.59E+00	4.99E+00
161	486733.18	3856293.15	3.2481	4.35E+00	4.57E+00	4.97E+00
162	486783.18	3856293.15	3.25171	4.35E+00	4.58E+00	4.98E+00
163	486783.18	3856343.15	3.19615	4.28E+00	4.50E+00	4.89E+00
164	486833.18	3856343.15	3.1467	4.21E+00	4.43E+00	4.82E+00
165	486883.18	3856343.15	3.21022	4.30E+00	4.52E+00	4.92E+00
166	486783.18	3856393.15	3.1168	4.17E+00	4.39E+00	4.77E+00
167	486833.18	3856393.15	3.12647	4.18E+00	4.40E+00	4.79E+00
168	486883.18	3856393.15	3.13691	4.20E+00	4.41E+00	4.80E+00
169	487208.74	3856886.11	3.24831	4.35E+00	4.57E+00	4.97E+00
170	487258.74	3856886.11	3.1781	4.25E+00	4.47E+00	4.87E+00
171	487308.74	3856886.11	3.21318	4.30E+00	4.52E+00	4.92E+00
172	487358.74	3856886.11	3.22426	4.32E+00	4.54E+00	4.94E+00
173	487208.74	3856936.11	3.24156	4.34E+00	4.56E+00	4.96E+00
174	487258.74	3856936.11	3.16936	4.24E+00	4.46E+00	4.85E+00
175	487308.74	3856936.11	3.16219	4.23E+00	4.45E+00	4.84E+00
176	487358.74	3856936.11	3.16153	4.23E+00	4.45E+00	4.84E+00
177	487208.74	3856986.11	3.26527	4.37E+00	4.59E+00	5.00E+00
178	487258.74	3856986.11	3.21763	4.31E+00	4.53E+00	4.93E+00
179	487308.74	3856986.11	3.15686	4.23E+00	4.44E+00	4.83E+00
180	487358.74	3856986.11	3.19189	4.27E+00	4.49E+00	4.89E+00
181	487208.74	3857036.11	3.23809	4.33E+00	4.56E+00	4.96E+00
182	487258.74	3857036.11	3.26512	4.37E+00	4.59E+00	5.00E+00
183	487308.74	3857036.11	3.20512	4.29E+00	4.51E+00	4.91E+00
184	487358.74	3857036.11	3.17454	4.25E+00	4.47E+00	4.86E+00
185	487427.14	3856878.23	3.18748	4.27E+00	4.48E+00	4.88E+00

186	487477.14	3856878.23	3.16968	4.24E+00	4.46E+00	4.85E+00
187	487527.14	3856878.23	3.10853	4.16E+00	4.37E+00	4.76E+00
188	487427.14	3856928.23	3.18544	4.26E+00	4.48E+00	4.88E+00
189	487477.14	3856928.23	3.15657	4.22E+00	4.44E+00	4.83E+00
190	487527.14	3856928.23	3.11213	4.17E+00	4.38E+00	4.77E+00
191	487577.14	3856928.23	3.0941	4.14E+00	4.35E+00	4.74E+00
192	487627.14	3856928.23	3.06326	4.10E+00	4.31E+00	4.69E+00
193	487677.14	3856928.23	3.00169	4.02E+00	4.22E+00	4.60E+00
194	487727.14	3856928.23	2.97506	3.98E+00	4.19E+00	4.56E+00
195	487777.14	3856928.23	2.97396	3.98E+00	4.18E+00	4.55E+00
196	487427.14	3856978.23	3.17788	4.25E+00	4.47E+00	4.87E+00
197	487477.14	3856978.23	3.16908	4.24E+00	4.46E+00	4.85E+00
198	487527.14	3856978.23	3.13824	4.20E+00	4.42E+00	4.81E+00
199	487577.14	3856978.23	3.09851	4.15E+00	4.36E+00	4.74E+00
200	487627.14	3856978.23	3.09256	4.14E+00	4.35E+00	4.74E+00
201	487677.14	3856978.23	3.01972	4.04E+00	4.25E+00	4.62E+00
202	487727.14	3856978.23	3.01105	4.03E+00	4.24E+00	4.61E+00
203	487777.14	3856978.23	3.00415	4.02E+00	4.23E+00	4.60E+00
204	487427.14	3857028.23	3.16932	4.24E+00	4.46E+00	4.85E+00
205	487477.14	3857028.23	3.14577	4.21E+00	4.43E+00	4.82E+00
206	487527.14	3857028.23	3.13851	4.20E+00	4.42E+00	4.81E+00
207	487577.14	3857028.23	3.1052	4.16E+00	4.37E+00	4.75E+00
208	487627.14	3857028.23	3.06695	4.10E+00	4.32E+00	4.70E+00
209	487677.14	3857028.23	3.03535	4.06E+00	4.27E+00	4.65E+00
210	487727.14	3857028.23	3.01344	4.03E+00	4.24E+00	4.61E+00
211	487777.14	3857028.23	3.02108	4.04E+00	4.25E+00	4.63E+00
212	487427.14	3857078.23	3.21213	4.30E+00	4.52E+00	4.92E+00
213	487477.14	3857078.23	3.17035	4.24E+00	4.46E+00	4.85E+00
214	487527.14	3857078.23	3.15734	4.23E+00	4.44E+00	4.83E+00
215	487577.14	3857078.23	3.14009	4.20E+00	4.42E+00	4.81E+00
216	487627.14	3857078.23	3.07908	4.12E+00	4.33E+00	4.71E+00
217	487677.14	3857078.23	3.02605	4.05E+00	4.26E+00	4.63E+00
218	487727.14	3857078.23	2.99872	4.01E+00	4.22E+00	4.59E+00
219	487777.14	3857078.23	2.9983	4.01E+00	4.22E+00	4.59E+00
220	487427.14	3857128.23	3.21584	4.30E+00	4.52E+00	4.92E+00
221	487477.14	3857128.23	3.21126	4.30E+00	4.52E+00	4.92E+00
222	487527.14	3857128.23	3.19048	4.27E+00	4.49E+00	4.89E+00
223	487577.14	3857128.23	3.12015	4.18E+00	4.39E+00	4.78E+00
224	487627.14	3857128.23	3.09461	4.14E+00	4.35E+00	4.74E+00
225	487677.14	3857128.23	3.05614	4.09E+00	4.30E+00	4.68E+00
226	487727.14	3857128.23	3.00066	4.02E+00	4.22E+00	4.59E+00
227	487777.14	3857128.23	2.9938	4.01E+00	4.21E+00	4.58E+00
228	488049.44	3856539.39	2.84302	3.81E+00	4.00E+00	4.35E+00
229	488099.44	3856539.39	2.86407	3.83E+00	4.03E+00	4.39E+00
230	488149.44	3856539.39	2.81576	3.77E+00	3.96E+00	4.31E+00
231	488049.44	3856589.39	2.88129	3.86E+00	4.05E+00	4.41E+00
232	488099.44	3856589.39	2.79604	3.74E+00	3.93E+00	4.28E+00
233	488149.44	3856589.39	2.8078	3.76E+00	3.95E+00	4.30E+00
234	488199.44	3856589.39	2.78512	3.73E+00	3.92E+00	4.26E+00
235	488249.44	3856589.39	2.75062	3.68E+00	3.87E+00	4.21E+00
236	488049.44	3856639.39	2.86907	3.84E+00	4.04E+00	4.39E+00
237	488099.44	3856639.39	2.83651	3.80E+00	3.99E+00	4.34E+00
238	488149.44	3856639.39	2.77316	3.71E+00	3.90E+00	4.25E+00
239	488199.44	3856639.39	2.76992	3.71E+00	3.90E+00	4.24E+00
240	488249.44	3856639.39	2.73117	3.66E+00	3.84E+00	4.18E+00
241	488299.44	3856639.39	2.69033	3.60E+00	3.79E+00	4.12E+00
242	488349.44	3856639.39	2.71811	3.64E+00	3.82E+00	4.16E+00
243	488399.44	3856639.39	2.71766	3.64E+00	3.82E+00	4.16E+00
244	488099.44	3856689.39	2.89414	3.87E+00	4.07E+00	4.43E+00
245	488149.44	3856689.39	2.83235	3.79E+00	3.99E+00	4.34E+00
246	488199.44	3856689.39	2.78706	3.73E+00	3.92E+00	4.27E+00
247	488249.44	3856689.39	2.74438	3.67E+00	3.86E+00	4.20E+00
248	488299.44	3856689.39	2.71047	3.63E+00	3.81E+00	4.15E+00

249	488349.44	3856689.39	2.66718	3.57E+00	3.75E+00	4.08E+00
250	488399.44	3856689.39	2.65713	3.56E+00	3.74E+00	4.07E+00
251	488099.44	3856739.39	2.90718	3.89E+00	4.09E+00	4.45E+00
252	488149.44	3856739.39	2.85462	3.82E+00	4.02E+00	4.37E+00
253	488199.44	3856739.39	2.84994	3.81E+00	4.01E+00	4.36E+00
254	488249.44	3856739.39	2.78163	3.72E+00	3.91E+00	4.26E+00
255	488299.44	3856739.39	2.72187	3.64E+00	3.83E+00	4.17E+00
256	488349.44	3856739.39	2.69118	3.60E+00	3.79E+00	4.12E+00
257	488399.44	3856739.39	2.66024	3.56E+00	3.74E+00	4.07E+00
258	487999.44	3856789.39	2.8721	3.84E+00	4.04E+00	4.40E+00
259	488049.44	3856789.39	2.90018	3.88E+00	4.08E+00	4.44E+00
260	488099.44	3856789.39	2.90341	3.89E+00	4.09E+00	4.45E+00
261	488149.44	3856789.39	2.86874	3.84E+00	4.04E+00	4.39E+00
262	488199.44	3856789.39	2.84282	3.80E+00	4.00E+00	4.35E+00
263	488249.44	3856789.39	2.83252	3.79E+00	3.99E+00	4.34E+00
264	488299.44	3856789.39	2.75686	3.69E+00	3.88E+00	4.22E+00
265	488349.44	3856789.39	2.70835	3.62E+00	3.81E+00	4.15E+00
266	488399.44	3856789.39	2.66541	3.57E+00	3.75E+00	4.08E+00
267	487949.44	3856839.39	3.01156	4.03E+00	4.24E+00	4.61E+00
268	487999.44	3856839.39	2.99233	4.01E+00	4.21E+00	4.58E+00
269	488049.44	3856839.39	2.88689	3.86E+00	4.06E+00	4.42E+00
270	488099.44	3856839.39	2.87918	3.85E+00	4.05E+00	4.41E+00
271	488149.44	3856839.39	2.86629	3.84E+00	4.03E+00	4.39E+00
272	488199.44	3856839.39	2.84275	3.80E+00	4.00E+00	4.35E+00
273	487949.44	3856889.39	3.00431	4.02E+00	4.23E+00	4.60E+00
274	487999.44	3856889.39	3.0222	4.04E+00	4.25E+00	4.63E+00
275	488049.44	3856889.39	3.00585	4.02E+00	4.23E+00	4.60E+00
276	488099.44	3856889.39	2.93387	3.93E+00	4.13E+00	4.49E+00
277	488635.86	3857895.05	4.02386	5.39E+00	5.66E+00	6.16E+00
278	489137.64	3857804.15	3.08711	4.13E+00	4.34E+00	4.73E+00
279	488617.32	3857859.41	3.93672	5.27E+00	5.54E+00	6.03E+00
280	488667.32	3857859.41	3.95174	5.29E+00	5.56E+00	6.05E+00
281	488717.32	3857859.41	3.90216	5.22E+00	5.49E+00	5.97E+00
282	488767.32	3857859.41	3.81368	5.10E+00	5.37E+00	5.84E+00
283	488617.32	3857909.41	4.10919	5.50E+00	5.78E+00	6.29E+00
284	488667.32	3857909.41	4.01455	5.37E+00	5.65E+00	6.15E+00
285	488717.32	3857909.41	4.02421	5.39E+00	5.66E+00	6.16E+00
286	488767.32	3857909.41	3.96468	5.31E+00	5.58E+00	6.07E+00
287	488417.32	3857959.41	4.64394	6.22E+00	6.53E+00	7.11E+00
288	488467.32	3857959.41	4.56411	6.11E+00	6.42E+00	6.99E+00
289	488517.32	3857959.41	4.50945	6.04E+00	6.35E+00	6.90E+00
290	488567.32	3857959.41	4.32871	5.79E+00	6.09E+00	6.63E+00
291	488617.32	3857959.41	4.27188	5.72E+00	6.01E+00	6.54E+00
292	488667.32	3857959.41	4.16599	5.58E+00	5.86E+00	6.38E+00
293	488717.32	3857959.41	4.08872	5.47E+00	5.75E+00	6.26E+00
294	488767.32	3857959.41	4.07942	5.46E+00	5.74E+00	6.25E+00
295	488417.32	3858009.41	4.80385	6.43E+00	6.76E+00	7.36E+00
296	488467.32	3858009.41	4.85624	6.50E+00	6.83E+00	7.44E+00
297	488517.32	3858009.41	4.74299	6.35E+00	6.67E+00	7.26E+00
298	488567.32	3858009.41	4.65099	6.22E+00	6.54E+00	7.12E+00
299	488617.32	3858009.41	4.51744	6.05E+00	6.36E+00	6.92E+00
300	488667.32	3858009.41	4.37443	5.85E+00	6.16E+00	6.70E+00
301	488717.32	3858009.41	4.23686	5.67E+00	5.96E+00	6.49E+00
302	488767.32	3858009.41	4.21511	5.64E+00	5.93E+00	6.45E+00
303	488417.32	3858059.41	5.00647	6.70E+00	7.04E+00	7.67E+00
304	488467.32	3858059.41	4.9969	6.69E+00	7.03E+00	7.65E+00
305	488517.32	3858059.41	4.93206	6.60E+00	6.94E+00	7.55E+00
306	488567.32	3858059.41	4.87445	6.52E+00	6.86E+00	7.46E+00
307	488617.32	3858059.41	4.79352	6.42E+00	6.74E+00	7.34E+00
308	488667.32	3858059.41	4.65377	6.23E+00	6.55E+00	7.13E+00
309	488417.32	3858109.41	5.27726	7.06E+00	7.43E+00	8.08E+00
310	488467.32	3858109.41	5.18954	6.95E+00	7.30E+00	7.95E+00
311	488517.32	3858109.41	5.22354	6.99E+00	7.35E+00	8.00E+00

312	488567.32	3858109.41	5.08992	6.81E+00	7.16E+00	7.79E+00
313	488617.32	3858109.41	4.99189	6.68E+00	7.02E+00	7.64E+00
314	488667.32	3858109.41	4.91156	6.57E+00	6.91E+00	7.52E+00
315	488769.93	3858449.27	7.15948	9.58E+00	1.01E+01	1.10E+01
316	488819.93	3858449.27	6.89379	9.23E+00	9.70E+00	1.06E+01
317	488819.93	3858499.27	7.5147	1.01E+01	1.06E+01	1.15E+01
318	488869.93	3858499.27	7.12903	9.54E+00	1.00E+01	1.09E+01
319	488869.93	3858549.27	7.76031	1.04E+01	1.09E+01	1.19E+01
320	489438.17	3859571.48	10.05548	1.35E+01	1.41E+01	1.54E+01
321	489488.17	3859571.48	10.70954	1.43E+01	1.51E+01	1.64E+01
322	489538.17	3859571.48	11.49687	1.54E+01	1.62E+01	1.76E+01
323	489588.17	3859571.48	12.47469	1.67E+01	1.76E+01	1.91E+01
324	489438.17	3859621.48	8.93463	1.20E+01	1.26E+01	1.37E+01
325	489488.17	3859621.48	9.41365	1.26E+01	1.32E+01	1.44E+01
326	489538.17	3859621.48	9.96583	1.33E+01	1.40E+01	1.53E+01
327	489588.17	3859621.48	10.60887	1.42E+01	1.49E+01	1.62E+01
328	489238.17	3859671.48	6.79027	9.09E+00	9.55E+00	1.04E+01
329	489288.17	3859671.48	7.02819	9.41E+00	9.89E+00	1.08E+01
330	489338.17	3859671.48	7.31421	9.79E+00	1.03E+01	1.12E+01
331	489388.17	3859671.48	7.64969	1.02E+01	1.08E+01	1.17E+01
332	489438.17	3859671.48	7.98653	1.07E+01	1.12E+01	1.22E+01
333	489488.17	3859671.48	8.42313	1.13E+01	1.19E+01	1.29E+01
334	489538.17	3859671.48	8.8951	1.19E+01	1.25E+01	1.36E+01
335	489588.17	3859671.48	9.41011	1.26E+01	1.32E+01	1.44E+01
336	489238.17	3859721.48	6.41915	8.59E+00	9.03E+00	9.83E+00
337	489288.17	3859721.48	6.68249	8.94E+00	9.40E+00	1.02E+01
338	489338.17	3859721.48	6.93689	9.28E+00	9.76E+00	1.06E+01
339	489388.17	3859721.48	7.20394	9.64E+00	1.01E+01	1.10E+01
340	489438.17	3859721.48	7.47348	1.00E+01	1.05E+01	1.14E+01
341	489488.17	3859721.48	7.80193	1.04E+01	1.10E+01	1.19E+01
342	489538.17	3859721.48	8.13505	1.09E+01	1.14E+01	1.25E+01
343	489588.17	3859721.48	8.47287	1.13E+01	1.19E+01	1.30E+01
344	489238.17	3859771.48	6.02244	8.06E+00	8.47E+00	9.22E+00
345	489288.17	3859771.48	6.24908	8.36E+00	8.79E+00	9.57E+00
346	489338.17	3859771.48	6.43995	8.62E+00	9.06E+00	9.86E+00
347	489388.17	3859771.48	6.664	8.92E+00	9.38E+00	1.02E+01
348	489438.17	3859771.48	6.88283	9.21E+00	9.68E+00	1.05E+01
349	489488.17	3859771.48	7.17218	9.60E+00	1.01E+01	1.10E+01
350	489538.17	3859771.48	7.44474	9.96E+00	1.05E+01	1.14E+01
351	489588.17	3859771.48	7.70138	1.03E+01	1.08E+01	1.18E+01
352	489238.17	3859821.48	5.62736	7.53E+00	7.92E+00	8.62E+00
353	489288.17	3859821.48	5.80604	7.77E+00	8.17E+00	8.89E+00
354	489338.17	3859821.48	5.96841	7.99E+00	8.40E+00	9.14E+00
355	489388.17	3859821.48	6.14168	8.22E+00	8.64E+00	9.40E+00
356	489438.17	3859821.48	6.3458	8.49E+00	8.93E+00	9.72E+00
357	489488.17	3859821.48	6.53548	8.75E+00	9.20E+00	1.00E+01
358	489538.17	3859821.48	6.74842	9.03E+00	9.50E+00	1.03E+01
359	489588.17	3859821.48	6.96383	9.32E+00	9.80E+00	1.07E+01
360	489238.17	3859871.48	5.14139	6.88E+00	7.23E+00	7.87E+00
361	489288.17	3859871.48	5.30797	7.10E+00	7.47E+00	8.13E+00
362	489338.17	3859871.48	5.48107	7.34E+00	7.71E+00	8.39E+00
363	489388.17	3859871.48	5.66594	7.58E+00	7.97E+00	8.68E+00
364	489438.17	3859871.48	5.85869	7.84E+00	8.24E+00	8.97E+00
365	489488.17	3859871.48	6.05062	8.10E+00	8.51E+00	9.26E+00
366	489538.17	3859871.48	6.21063	8.31E+00	8.74E+00	9.51E+00
367	489588.17	3859871.48	6.39115	8.55E+00	8.99E+00	9.79E+00
368	489238.17	3859921.48	4.88375	6.54E+00	6.87E+00	7.48E+00
369	489288.17	3859921.48	5.02162	6.72E+00	7.07E+00	7.69E+00
370	489338.17	3859921.48	5.1544	6.90E+00	7.25E+00	7.89E+00
371	489388.17	3859921.48	5.30569	7.10E+00	7.47E+00	8.12E+00
372	489438.17	3859921.48	5.46536	7.31E+00	7.69E+00	8.37E+00
373	489488.17	3859921.48	5.59655	7.49E+00	7.87E+00	8.57E+00
374	489538.17	3859921.48	5.7516	7.70E+00	8.09E+00	8.81E+00

375	489588.17	3859921.48	5.84075	7.82E+00	8.22E+00	8.94E+00
376	489238.17	3859971.48	4.67614	6.26E+00	6.58E+00	7.16E+00
377	489288.17	3859971.48	4.78176	6.40E+00	6.73E+00	7.32E+00
378	489338.17	3859971.48	4.88506	6.54E+00	6.87E+00	7.48E+00
379	489388.17	3859971.48	4.98966	6.68E+00	7.02E+00	7.64E+00
380	489438.17	3859971.48	5.10998	6.84E+00	7.19E+00	7.82E+00
381	489488.17	3859971.48	5.1247	6.86E+00	7.21E+00	7.85E+00
382	489538.17	3859971.48	5.09222	6.82E+00	7.17E+00	7.80E+00
383	489588.17	3859971.48	5.12387	6.86E+00	7.21E+00	7.85E+00
384	483577.7	3854071	10.57002	1.41E+01	1.49E+01	1.62E+01
385	483627.7	3854071	10.65124	1.43E+01	1.50E+01	1.63E+01
386	483677.7	3854071	10.65599	1.43E+01	1.50E+01	1.63E+01
387	483727.7	3854071	10.27357	1.38E+01	1.45E+01	1.57E+01
388	483777.7	3854071	9.72712	1.30E+01	1.37E+01	1.49E+01
389	483577.7	3854121	10.24987	1.37E+01	1.44E+01	1.57E+01
390	483627.7	3854121	10.13514	1.36E+01	1.43E+01	1.55E+01
391	483677.7	3854121	10.19502	1.36E+01	1.43E+01	1.56E+01
392	483727.7	3854121	10.17822	1.36E+01	1.43E+01	1.56E+01
393	483777.7	3854121	9.91024	1.33E+01	1.39E+01	1.52E+01
394	483577.7	3854171	10.09752	1.35E+01	1.42E+01	1.55E+01
395	483627.7	3854171	9.64874	1.29E+01	1.36E+01	1.48E+01
396	483677.7	3854171	9.60605	1.29E+01	1.35E+01	1.47E+01
397	483727.7	3854171	9.58952	1.28E+01	1.35E+01	1.47E+01
398	483777.7	3854171	9.56683	1.28E+01	1.35E+01	1.46E+01
399	483827.7	3854171	9.30915	1.25E+01	1.31E+01	1.43E+01
400	483877.7	3854171	8.76369	1.17E+01	1.23E+01	1.34E+01
401	483727.7	3854221	9.13819	1.22E+01	1.29E+01	1.40E+01
402	483777.7	3854221	9.00142	1.20E+01	1.27E+01	1.38E+01
403	483827.7	3854221	9.07269	1.21E+01	1.28E+01	1.39E+01
404	483877.7	3854221	8.9174	1.19E+01	1.25E+01	1.37E+01
405	489150.19	3858726.45	8.05057	1.08E+01	1.13E+01	1.23E+01
406	489200.19	3858726.45	7.5476	1.01E+01	1.06E+01	1.16E+01
407	489150.19	3858776.45	8.90604	1.19E+01	1.25E+01	1.36E+01
408	489200.19	3858776.45	8.31222	1.11E+01	1.17E+01	1.27E+01
409	488919.6	3856400.76	2.89354	3.87E+00	4.07E+00	4.43E+00
410	488919.6	3856450.76	2.86199	3.83E+00	4.03E+00	4.38E+00
411	488969.6	3856450.76	2.85887	3.83E+00	4.02E+00	4.38E+00
412	488919.6	3856500.76	2.82861	3.79E+00	3.98E+00	4.33E+00
413	488969.6	3856500.76	2.80643	3.76E+00	3.95E+00	4.30E+00
414	488919.6	3856550.76	2.74875	3.68E+00	3.87E+00	4.21E+00
415	488969.6	3856550.76	2.80131	3.75E+00	3.94E+00	4.29E+00
416	488819.6	3856600.76	2.71536	3.63E+00	3.82E+00	4.16E+00
417	488869.6	3856600.76	2.67486	3.58E+00	3.76E+00	4.10E+00
418	488919.6	3856600.76	2.63882	3.53E+00	3.71E+00	4.04E+00
419	488819.6	3856650.76	2.59706	3.48E+00	3.65E+00	3.98E+00
420	488869.6	3856650.76	2.67398	3.58E+00	3.76E+00	4.09E+00
421	488819.6	3856700.76	2.58904	3.47E+00	3.64E+00	3.96E+00
422	488869.6	3856700.76	2.54816	3.41E+00	3.59E+00	3.90E+00
423	488819.6	3856750.76	2.61548	3.50E+00	3.68E+00	4.00E+00
424	488869.6	3856750.76	2.56445	3.43E+00	3.61E+00	3.93E+00
425	488819.6	3857050.76	2.5067	3.36E+00	3.53E+00	3.84E+00
426	488869.6	3857050.76	2.49319	3.34E+00	3.51E+00	3.82E+00
427	488919.6	3857050.76	2.53031	3.39E+00	3.56E+00	3.87E+00
428	488819.6	3857100.76	2.56341	3.43E+00	3.61E+00	3.93E+00
429	488869.6	3857100.76	2.54687	3.41E+00	3.58E+00	3.90E+00
430	488919.6	3857100.76	2.51067	3.36E+00	3.53E+00	3.84E+00
431	488819.6	3857150.76	2.63594	3.53E+00	3.71E+00	4.04E+00
432	488869.6	3857150.76	2.57546	3.45E+00	3.62E+00	3.94E+00
433	488919.6	3857150.76	2.56477	3.43E+00	3.61E+00	3.93E+00
434	488969.6	3857150.76	2.54317	3.40E+00	3.58E+00	3.89E+00
435	488819.6	3857200.76	2.67163	3.58E+00	3.76E+00	4.09E+00
436	488869.6	3857200.76	2.65603	3.55E+00	3.74E+00	4.07E+00
437	488919.6	3857200.76	2.59678	3.48E+00	3.65E+00	3.98E+00

438	488969.6	3857200.76	2.5823	3.46E+00	3.63E+00	3.95E+00
439	488819.6	3857250.76	2.69954	3.61E+00	3.80E+00	4.13E+00
440	488869.6	3857250.76	2.68283	3.59E+00	3.77E+00	4.11E+00
441	488919.6	3857250.76	2.63149	3.52E+00	3.70E+00	4.03E+00
442	488969.6	3857250.76	2.60211	3.48E+00	3.66E+00	3.98E+00
443	488819.6	3857300.76	2.72903	3.65E+00	3.84E+00	4.18E+00
444	488869.6	3857300.76	2.71977	3.64E+00	3.83E+00	4.16E+00
445	488919.6	3857300.76	2.69293	3.60E+00	3.79E+00	4.12E+00
446	488819.6	3857450.76	2.83701	3.80E+00	3.99E+00	4.34E+00
447	488869.6	3857450.76	2.85543	3.82E+00	4.02E+00	4.37E+00
448	488919.6	3857450.76	2.83575	3.80E+00	3.99E+00	4.34E+00
449	488819.6	3857500.76	2.93048	3.92E+00	4.12E+00	4.49E+00
450	488869.6	3857500.76	2.85448	3.82E+00	4.02E+00	4.37E+00
451	488919.6	3857500.76	2.87044	3.84E+00	4.04E+00	4.40E+00
452	488819.6	3857550.76	2.98697	4.00E+00	4.20E+00	4.57E+00
453	488869.6	3857550.76	2.94268	3.94E+00	4.14E+00	4.51E+00
454	488919.6	3857550.76	2.89024	3.87E+00	4.07E+00	4.43E+00
455	489663.71	3860900.05	2.28792	3.06E+00	3.22E+00	3.50E+00
456	489813.71	3860900.05	2.38273	3.19E+00	3.35E+00	3.65E+00
457	489863.71	3860900.05	2.40085	3.21E+00	3.38E+00	3.68E+00
458	489913.71	3860900.05	2.44734	3.28E+00	3.44E+00	3.75E+00
459	489963.71	3860900.05	2.47477	3.31E+00	3.48E+00	3.79E+00
460	490013.71	3860900.05	2.52138	3.37E+00	3.55E+00	3.86E+00
461	490063.71	3860900.05	2.55725	3.42E+00	3.60E+00	3.92E+00
462	489663.71	3860950.05	2.21954	2.97E+00	3.12E+00	3.40E+00
463	489813.71	3860950.05	2.30117	3.08E+00	3.24E+00	3.52E+00
464	489863.71	3860950.05	2.31856	3.10E+00	3.26E+00	3.55E+00
465	489913.71	3860950.05	2.35917	3.16E+00	3.32E+00	3.61E+00
466	489963.71	3860950.05	2.38292	3.19E+00	3.35E+00	3.65E+00
467	490013.71	3860950.05	2.41282	3.23E+00	3.39E+00	3.69E+00
468	490063.71	3860950.05	2.46012	3.29E+00	3.46E+00	3.77E+00
469	489513.71	3861000.05	2.09766	2.81E+00	2.95E+00	3.21E+00
470	489563.71	3861000.05	2.1083	2.82E+00	2.97E+00	3.23E+00
471	489613.71	3861000.05	2.13458	2.86E+00	3.00E+00	3.27E+00
472	489663.71	3861000.05	2.16044	2.89E+00	3.04E+00	3.31E+00
473	489713.71	3861000.05	2.17185	2.91E+00	3.06E+00	3.33E+00
474	489763.71	3861000.05	2.19772	2.94E+00	3.09E+00	3.37E+00
475	489813.71	3861000.05	2.22937	2.98E+00	3.14E+00	3.41E+00
476	489863.71	3861000.05	2.25137	3.01E+00	3.17E+00	3.45E+00
477	489913.71	3861000.05	2.28872	3.06E+00	3.22E+00	3.50E+00
478	489963.71	3861000.05	2.31113	3.09E+00	3.25E+00	3.54E+00
479	490013.71	3861000.05	2.35032	3.15E+00	3.31E+00	3.60E+00
480	490063.71	3861000.05	2.3845	3.19E+00	3.36E+00	3.65E+00
481	489513.71	3861050.05	2.05529	2.75E+00	2.89E+00	3.15E+00
482	489563.71	3861050.05	2.06395	2.76E+00	2.90E+00	3.16E+00
483	489613.71	3861050.05	2.08744	2.79E+00	2.94E+00	3.20E+00
484	489663.71	3861050.05	2.08943	2.80E+00	2.94E+00	3.20E+00
485	489713.71	3861050.05	2.10971	2.82E+00	2.97E+00	3.23E+00
486	489763.71	3861050.05	2.14301	2.87E+00	3.02E+00	3.28E+00
487	489813.71	3861050.05	2.16772	2.90E+00	3.05E+00	3.32E+00
488	489863.71	3861050.05	2.18891	2.93E+00	3.08E+00	3.35E+00
489	489913.71	3861050.05	2.204	2.95E+00	3.10E+00	3.37E+00
490	489963.71	3861050.05	2.23084	2.99E+00	3.14E+00	3.42E+00
491	490013.71	3861050.05	2.26044	3.03E+00	3.18E+00	3.46E+00
492	490063.71	3861050.05	2.31021	3.09E+00	3.25E+00	3.54E+00
493	489513.71	3861100.05	2.00527	2.68E+00	2.82E+00	3.07E+00
494	489563.71	3861100.05	2.01043	2.69E+00	2.83E+00	3.08E+00
495	489613.71	3861100.05	2.01158	2.69E+00	2.83E+00	3.08E+00
496	489663.71	3861100.05	2.03358	2.72E+00	2.86E+00	3.11E+00
497	489713.71	3861100.05	2.05589	2.75E+00	2.89E+00	3.15E+00
498	489763.71	3861100.05	2.06667	2.77E+00	2.91E+00	3.16E+00
499	489813.71	3861100.05	2.09132	2.80E+00	2.94E+00	3.20E+00
500	489863.71	3861100.05	2.12194	2.84E+00	2.99E+00	3.25E+00

501	489913.71	3861100.05	2.13589	2.86E+00	3.01E+00	3.27E+00
502	489963.71	3861100.05	2.15252	2.88E+00	3.03E+00	3.30E+00
503	490013.71	3861100.05	2.17936	2.92E+00	3.07E+00	3.34E+00
504	490063.71	3861100.05	2.22456	2.98E+00	3.13E+00	3.41E+00
505	489713.71	3861150.05	2.00229	2.68E+00	2.82E+00	3.07E+00
506	489763.71	3861150.05	2.01117	2.69E+00	2.83E+00	3.08E+00
507	489813.71	3861150.05	2.02728	2.71E+00	2.85E+00	3.10E+00
508	489863.71	3861150.05	2.04062	2.73E+00	2.87E+00	3.12E+00
509	489913.71	3861150.05	2.0575	2.75E+00	2.90E+00	3.15E+00
510	489963.71	3861150.05	2.07421	2.78E+00	2.92E+00	3.18E+00
511	490013.71	3861150.05	2.09326	2.80E+00	2.95E+00	3.21E+00
512	490063.71	3861150.05	2.13092	2.85E+00	3.00E+00	3.26E+00
513	489613.71	3861200.05	1.90318	2.55E+00	2.68E+00	2.91E+00
514	489663.71	3861200.05	1.91417	2.56E+00	2.69E+00	2.93E+00
515	489713.71	3861200.05	1.9232	2.57E+00	2.71E+00	2.94E+00
516	489763.71	3861200.05	1.94248	2.60E+00	2.73E+00	2.97E+00
517	489813.71	3861200.05	1.96687	2.63E+00	2.77E+00	3.01E+00
518	489863.71	3861200.05	1.99116	2.67E+00	2.80E+00	3.05E+00
519	489913.71	3861200.05	2.00907	2.69E+00	2.83E+00	3.08E+00
520	489963.71	3861200.05	2.02498	2.71E+00	2.85E+00	3.10E+00
521	490013.71	3861200.05	2.03448	2.72E+00	2.86E+00	3.12E+00
522	490063.71	3861200.05	2.05482	2.75E+00	2.89E+00	3.15E+00
523	489513.71	3861250.05	1.81504	2.43E+00	2.55E+00	2.78E+00
524	489563.71	3861250.05	1.82738	2.45E+00	2.57E+00	2.80E+00
525	489613.71	3861250.05	1.83904	2.46E+00	2.59E+00	2.82E+00
526	489663.71	3861250.05	1.85094	2.48E+00	2.60E+00	2.83E+00
527	489713.71	3861250.05	1.86785	2.50E+00	2.63E+00	2.86E+00
528	489763.71	3861250.05	1.88074	2.52E+00	2.65E+00	2.88E+00
529	489813.71	3861250.05	1.90329	2.55E+00	2.68E+00	2.91E+00
530	489863.71	3861250.05	1.93353	2.59E+00	2.72E+00	2.96E+00
531	489913.71	3861250.05	1.95347	2.61E+00	2.75E+00	2.99E+00
532	489963.71	3861250.05	1.96705	2.63E+00	2.77E+00	3.01E+00
533	490013.71	3861250.05	1.98554	2.66E+00	2.79E+00	3.04E+00
534	490063.71	3861250.05	1.99413	2.67E+00	2.81E+00	3.05E+00
535	489528.13	3861308.47	1.75767	2.35E+00	2.47E+00	2.69E+00
536	489578.13	3861308.47	1.76909	2.37E+00	2.49E+00	2.71E+00
537	489628.13	3861308.47	1.78113	2.38E+00	2.51E+00	2.73E+00
538	489678.13	3861308.47	1.80419	2.41E+00	2.54E+00	2.76E+00
539	489728.13	3861308.47	1.82075	2.44E+00	2.56E+00	2.79E+00
540	489778.13	3861308.47	1.83238	2.45E+00	2.58E+00	2.81E+00
541	489678.13	3861358.47	1.7591	2.35E+00	2.48E+00	2.69E+00
542	489728.13	3861358.47	1.77477	2.38E+00	2.50E+00	2.72E+00
543	489528.13	3861408.47	1.67926	2.25E+00	2.36E+00	2.57E+00
544	489578.13	3861408.47	1.68712	2.26E+00	2.37E+00	2.58E+00
545	489628.13	3861408.47	1.7076	2.29E+00	2.40E+00	2.61E+00
546	489678.13	3861408.47	1.71898	2.30E+00	2.42E+00	2.63E+00
547	489728.13	3861408.47	1.73286	2.32E+00	2.44E+00	2.65E+00
548	489528.13	3861458.47	1.6453	2.20E+00	2.32E+00	2.52E+00
549	489578.13	3861458.47	1.65706	2.22E+00	2.33E+00	2.54E+00
550	489628.13	3861458.47	1.67205	2.24E+00	2.35E+00	2.56E+00
551	489678.13	3861458.47	1.6809	2.25E+00	2.37E+00	2.57E+00
552	489728.13	3861458.47	1.68515	2.26E+00	2.37E+00	2.58E+00
553	489528.13	3861508.47	1.61508	2.16E+00	2.27E+00	2.47E+00
554	489578.13	3861508.47	1.61949	2.17E+00	2.28E+00	2.48E+00
555	489628.13	3861508.47	1.62935	2.18E+00	2.29E+00	2.49E+00
556	489678.13	3861508.47	1.641	2.20E+00	2.31E+00	2.51E+00
557	489728.13	3861508.47	1.6511	2.21E+00	2.32E+00	2.53E+00
558	489628.13	3861558.47	1.60326	2.15E+00	2.26E+00	2.45E+00
559	489678.13	3861558.47	1.61695	2.16E+00	2.28E+00	2.48E+00
560	489728.13	3861558.47	1.62545	2.18E+00	2.29E+00	2.49E+00
561	489357.08	3861015.81	2.03345	2.72E+00	2.86E+00	3.11E+00
562	489407.08	3861015.81	2.04354	2.74E+00	2.88E+00	3.13E+00
563	489457.08	3861015.81	2.05935	2.76E+00	2.90E+00	3.15E+00

564	489357.08	3861065.81	1.99668	2.67E+00	2.81E+00	3.06E+00
565	489407.08	3861065.81	2.00293	2.68E+00	2.82E+00	3.07E+00
566	489457.08	3861065.81	2.01711	2.70E+00	2.84E+00	3.09E+00
567	489357.08	3861115.81	1.93208	2.59E+00	2.72E+00	2.96E+00
568	489407.08	3861115.81	1.94087	2.60E+00	2.73E+00	2.97E+00
569	489457.08	3861115.81	1.96093	2.62E+00	2.76E+00	3.00E+00
570	489407.08	3861165.81	1.90701	2.55E+00	2.68E+00	2.92E+00
571	489457.08	3861165.81	1.91973	2.57E+00	2.70E+00	2.94E+00
572	489407.08	3861215.81	1.83031	2.45E+00	2.58E+00	2.80E+00
573	489457.08	3861215.81	1.84537	2.47E+00	2.60E+00	2.83E+00
574	489407.08	3861265.81	1.77092	2.37E+00	2.49E+00	2.71E+00
575	489457.08	3861265.81	1.78261	2.39E+00	2.51E+00	2.73E+00
576	489309.86	3861110.14	1.93151	2.59E+00	2.72E+00	2.96E+00
577	489407.08	3861315.81	1.72904	2.31E+00	2.43E+00	2.65E+00
578	489457.08	3861315.81	1.73962	2.33E+00	2.45E+00	2.66E+00
579	488906.03	3861006.75	1.9639	2.63E+00	2.76E+00	3.01E+00
580	488956.03	3861006.75	1.98335	2.65E+00	2.79E+00	3.04E+00
581	488904.24	3861051.87	1.94856	2.61E+00	2.74E+00	2.98E+00
582	488954.24	3861051.87	1.9467	2.61E+00	2.74E+00	2.98E+00
583	489004.24	3861051.87	1.9634	2.63E+00	2.76E+00	3.01E+00
584	488804.24	3861101.87	1.8669	2.50E+00	2.63E+00	2.86E+00
585	488854.24	3861101.87	1.87949	2.52E+00	2.64E+00	2.88E+00
586	488904.24	3861101.87	1.86201	2.49E+00	2.62E+00	2.85E+00
587	488954.24	3861101.87	1.86067	2.49E+00	2.62E+00	2.85E+00
588	489004.24	3861101.87	1.87101	2.50E+00	2.63E+00	2.86E+00
589	488804.24	3861151.87	1.78354	2.39E+00	2.51E+00	2.73E+00
590	488854.24	3861151.87	1.78798	2.39E+00	2.52E+00	2.74E+00
591	489129.49	3861187.55	1.7897	2.40E+00	2.52E+00	2.74E+00
592	489179.49	3861187.55	1.79898	2.41E+00	2.53E+00	2.75E+00
593	488804.24	3861201.87	1.75099	2.34E+00	2.46E+00	2.68E+00
594	488854.24	3861201.87	1.744	2.33E+00	2.45E+00	2.67E+00
595	489129.49	3861237.55	1.76126	2.36E+00	2.48E+00	2.70E+00
596	489179.49	3861237.55	1.76445	2.36E+00	2.48E+00	2.70E+00
597	488804.24	3861251.87	1.7041	2.28E+00	2.40E+00	2.61E+00
598	488854.24	3861251.87	1.69244	2.27E+00	2.38E+00	2.59E+00
599	488804.24	3861301.87	1.65907	2.22E+00	2.33E+00	2.54E+00
600	488854.24	3861301.87	1.65948	2.22E+00	2.33E+00	2.54E+00
601	490943.5	3860181.97	10.80312	1.45E+01	1.52E+01	1.65E+01
602	490993.5	3860181.97	11.41123	1.53E+01	1.61E+01	1.75E+01
603	491043.5	3860181.97	12.23945	1.64E+01	1.72E+01	1.87E+01
604	491093.5	3860181.97	12.99952	1.74E+01	1.83E+01	1.99E+01
605	490943.5	3860231.97	9.71011	1.30E+01	1.37E+01	1.49E+01
606	490993.5	3860231.97	10.2683	1.37E+01	1.44E+01	1.57E+01
607	491043.5	3860231.97	10.6664	1.43E+01	1.50E+01	1.63E+01
608	491093.5	3860231.97	11.26835	1.51E+01	1.59E+01	1.73E+01
609	490943.5	3860281.97	8.8076	1.18E+01	1.24E+01	1.35E+01
610	490993.5	3860281.97	9.25341	1.24E+01	1.30E+01	1.42E+01
611	491043.5	3860281.97	9.6765	1.30E+01	1.36E+01	1.48E+01
612	491093.5	3860281.97	10.03879	1.34E+01	1.41E+01	1.54E+01
613	490943.5	3860331.97	8.00449	1.07E+01	1.13E+01	1.23E+01
614	490993.5	3860331.97	8.33676	1.12E+01	1.17E+01	1.28E+01
615	491043.5	3860331.97	8.57618	1.15E+01	1.21E+01	1.31E+01
616	491093.5	3860331.97	8.93847	1.20E+01	1.26E+01	1.37E+01
617	490086.72	3859935.12	7.96236	1.07E+01	1.12E+01	1.22E+01
618	490136.72	3859935.12	8.32696	1.11E+01	1.17E+01	1.28E+01
619	490186.72	3859935.12	8.80728	1.18E+01	1.24E+01	1.35E+01
620	490236.72	3859935.12	9.42301	1.26E+01	1.33E+01	1.44E+01
621	490286.72	3859935.12	9.96342	1.33E+01	1.40E+01	1.53E+01
622	490336.72	3859935.12	10.64064	1.42E+01	1.50E+01	1.63E+01
623	490386.72	3859935.12	11.49783	1.54E+01	1.62E+01	1.76E+01
624	490436.72	3859935.12	12.33042	1.65E+01	1.73E+01	1.89E+01
625	490486.72	3859935.12	13.14099	1.76E+01	1.85E+01	2.01E+01
626	490536.72	3859935.12	14.11235	1.89E+01	1.99E+01	2.16E+01

627	490586.72	3859935.12	15.30612	2.05E+01	2.15E+01	2.34E+01
628	490636.72	3859935.12	17.27659	2.31E+01	2.43E+01	2.65E+01
629	490686.72	3859935.12	20.00468	2.68E+01	2.81E+01	3.06E+01
630	490736.72	3859935.12	23.60857	3.16E+01	3.32E+01	3.61E+01
631	490086.72	3859985.12	7.24771	9.70E+00	1.02E+01	1.11E+01
632	490136.72	3859985.12	7.51204	1.01E+01	1.06E+01	1.15E+01
633	490186.72	3859985.12	7.90962	1.06E+01	1.11E+01	1.21E+01
634	490236.72	3859985.12	8.37557	1.12E+01	1.18E+01	1.28E+01
635	490286.72	3859985.12	8.81054	1.18E+01	1.24E+01	1.35E+01
636	490336.72	3859985.12	9.35275	1.25E+01	1.32E+01	1.43E+01
637	490386.72	3859985.12	9.86131	1.32E+01	1.39E+01	1.51E+01
638	490436.72	3859985.12	10.52382	1.41E+01	1.48E+01	1.61E+01
639	490486.72	3859985.12	11.19195	1.50E+01	1.57E+01	1.71E+01
640	490536.72	3859985.12	12.1026	1.62E+01	1.70E+01	1.85E+01
641	490586.72	3859985.12	12.81122	1.71E+01	1.80E+01	1.96E+01
642	490636.72	3859985.12	13.74129	1.84E+01	1.93E+01	2.10E+01
643	490686.72	3859985.12	14.95974	2.00E+01	2.10E+01	2.29E+01
644	490736.72	3859985.12	16.78067	2.25E+01	2.36E+01	2.57E+01
645	490786.72	3859985.12	18.7535	2.51E+01	2.64E+01	2.87E+01
646	490086.72	3860035.12	6.64751	8.90E+00	9.35E+00	1.02E+01
647	490136.72	3860035.12	6.88021	9.21E+00	9.68E+00	1.05E+01
648	490186.72	3860035.12	7.14964	9.57E+00	1.01E+01	1.09E+01
649	490236.72	3860035.12	7.50353	1.00E+01	1.06E+01	1.15E+01
650	490286.72	3860035.12	7.84998	1.05E+01	1.10E+01	1.20E+01
651	490336.72	3860035.12	8.32948	1.11E+01	1.17E+01	1.28E+01
652	490386.72	3860035.12	8.73045	1.17E+01	1.23E+01	1.34E+01
653	490436.72	3860035.12	9.20137	1.23E+01	1.29E+01	1.41E+01
654	490486.72	3860035.12	9.73387	1.30E+01	1.37E+01	1.49E+01
655	490536.72	3860035.12	10.47538	1.40E+01	1.47E+01	1.60E+01
656	490586.72	3860035.12	11.12014	1.49E+01	1.56E+01	1.70E+01
657	490636.72	3860035.12	11.66247	1.56E+01	1.64E+01	1.79E+01
658	490686.72	3860035.12	12.3277	1.65E+01	1.73E+01	1.89E+01
659	490736.72	3860035.12	13.42858	1.80E+01	1.89E+01	2.06E+01
660	490786.72	3860035.12	14.20231	1.90E+01	2.00E+01	2.17E+01
661	490836.72	3860035.12	15.8028	2.12E+01	2.22E+01	2.42E+01
662	490086.72	3860085.12	6.13746	8.21E+00	8.64E+00	9.40E+00
663	490136.72	3860085.12	6.28198	8.41E+00	8.84E+00	9.62E+00
664	490186.72	3860085.12	6.57629	8.80E+00	9.25E+00	1.01E+01
665	490236.72	3860085.12	6.84162	9.16E+00	9.63E+00	1.05E+01
666	490286.72	3860085.12	7.1726	9.60E+00	1.01E+01	1.10E+01
667	490336.72	3860085.12	7.47638	1.00E+01	1.05E+01	1.14E+01
668	490386.72	3860085.12	7.83983	1.05E+01	1.10E+01	1.20E+01
669	490436.72	3860085.12	8.23408	1.10E+01	1.16E+01	1.26E+01
670	490486.72	3860085.12	8.61249	1.15E+01	1.21E+01	1.32E+01
671	490536.72	3860085.12	9.05361	1.21E+01	1.27E+01	1.39E+01
672	490586.72	3860085.12	9.74473	1.30E+01	1.37E+01	1.49E+01
673	490636.72	3860085.12	10.18653	1.36E+01	1.43E+01	1.56E+01
674	490686.72	3860085.12	10.89899	1.46E+01	1.53E+01	1.67E+01
675	490736.72	3860085.12	11.30876	1.51E+01	1.59E+01	1.73E+01
676	490786.72	3860085.12	12.00348	1.61E+01	1.69E+01	1.84E+01
677	490836.72	3860085.12	12.7796	1.71E+01	1.80E+01	1.96E+01
678	490086.72	3860135.12	5.56328	7.45E+00	7.83E+00	8.52E+00
679	490136.72	3860135.12	5.78847	7.75E+00	8.14E+00	8.86E+00
680	490186.72	3860135.12	6.03929	8.08E+00	8.50E+00	9.25E+00
681	490236.72	3860135.12	6.25514	8.37E+00	8.80E+00	9.58E+00
682	490286.72	3860135.12	6.51678	8.72E+00	9.17E+00	9.98E+00
683	490336.72	3860135.12	6.81501	9.12E+00	9.59E+00	1.04E+01
684	490386.72	3860135.12	7.11523	9.52E+00	1.00E+01	1.09E+01
685	490436.72	3860135.12	7.46477	9.99E+00	1.05E+01	1.14E+01
686	490486.72	3860135.12	7.80193	1.04E+01	1.10E+01	1.19E+01
687	490536.72	3860135.12	8.19074	1.10E+01	1.15E+01	1.25E+01
688	490586.72	3860135.12	8.59096	1.15E+01	1.21E+01	1.32E+01
689	490636.72	3860135.12	9.05628	1.21E+01	1.27E+01	1.39E+01

690	490686.72	3860135.12	9.57022	1.28E+01	1.35E+01	1.47E+01
691	490736.72	3860135.12	10.0127	1.34E+01	1.41E+01	1.53E+01
692	490786.72	3860135.12	10.52583	1.41E+01	1.48E+01	1.61E+01
693	490836.72	3860135.12	10.92766	1.46E+01	1.54E+01	1.67E+01
694	490086.72	3860185.12	5.05914	6.77E+00	7.12E+00	7.75E+00
695	490136.72	3860185.12	5.34128	7.15E+00	7.52E+00	8.18E+00
696	490186.72	3860185.12	5.55539	7.44E+00	7.82E+00	8.51E+00
697	490236.72	3860185.12	5.75947	7.71E+00	8.10E+00	8.82E+00
698	490286.72	3860185.12	5.96259	7.98E+00	8.39E+00	9.13E+00
699	490336.72	3860185.12	6.21874	8.32E+00	8.75E+00	9.52E+00
700	490386.72	3860185.12	6.4939	8.69E+00	9.14E+00	9.94E+00
701	490436.72	3860185.12	6.77541	9.07E+00	9.53E+00	1.04E+01
702	490486.72	3860185.12	7.14159	9.56E+00	1.00E+01	1.09E+01
703	490536.72	3860185.12	7.4499	9.97E+00	1.05E+01	1.14E+01
704	490586.72	3860185.12	7.80102	1.04E+01	1.10E+01	1.19E+01
705	490636.72	3860185.12	8.14087	1.09E+01	1.15E+01	1.25E+01
706	490686.72	3860185.12	8.52494	1.14E+01	1.20E+01	1.31E+01
707	490736.72	3860185.12	8.93945	1.20E+01	1.26E+01	1.37E+01
708	490786.72	3860185.12	9.27976	1.24E+01	1.31E+01	1.42E+01
709	490836.72	3860185.12	9.82821	1.32E+01	1.38E+01	1.50E+01
710	490086.72	3860235.12	4.76659	6.38E+00	6.71E+00	7.30E+00
711	490136.72	3860235.12	4.90602	6.57E+00	6.90E+00	7.51E+00
712	490186.72	3860235.12	5.11729	6.85E+00	7.20E+00	7.84E+00
713	490236.72	3860235.12	5.31818	7.12E+00	7.48E+00	8.14E+00
714	490286.72	3860235.12	5.51385	7.38E+00	7.76E+00	8.44E+00
715	490336.72	3860235.12	5.73617	7.68E+00	8.07E+00	8.78E+00
716	490386.72	3860235.12	5.95412	7.97E+00	8.38E+00	9.12E+00
717	490436.72	3860235.12	6.23253	8.34E+00	8.77E+00	9.54E+00
718	490486.72	3860235.12	6.49831	8.70E+00	9.14E+00	9.95E+00
719	490536.72	3860235.12	6.82269	9.13E+00	9.60E+00	1.04E+01
720	490586.72	3860235.12	7.11385	9.52E+00	1.00E+01	1.09E+01
721	490636.72	3860235.12	7.42393	9.94E+00	1.04E+01	1.14E+01
722	490686.72	3860235.12	7.76867	1.04E+01	1.09E+01	1.19E+01
723	490736.72	3860235.12	8.08327	1.08E+01	1.14E+01	1.24E+01
724	490786.72	3860235.12	8.45616	1.13E+01	1.19E+01	1.29E+01
725	490086.72	3860285.12	4.47817	5.99E+00	6.30E+00	6.86E+00
726	490136.72	3860285.12	4.63279	6.20E+00	6.52E+00	7.09E+00
727	490186.72	3860285.12	4.74275	6.35E+00	6.67E+00	7.26E+00
728	490236.72	3860285.12	4.89802	6.56E+00	6.89E+00	7.50E+00
729	490286.72	3860285.12	5.09642	6.82E+00	7.17E+00	7.80E+00
730	490336.72	3860285.12	5.32611	7.13E+00	7.49E+00	8.16E+00
731	490386.72	3860285.12	5.52026	7.39E+00	7.77E+00	8.45E+00
732	490436.72	3860285.12	5.73863	7.68E+00	8.07E+00	8.79E+00
733	490486.72	3860285.12	5.97133	7.99E+00	8.40E+00	9.14E+00
734	490536.72	3860285.12	6.21022	8.31E+00	8.74E+00	9.51E+00
735	490586.72	3860285.12	6.49772	8.70E+00	9.14E+00	9.95E+00
736	490636.72	3860285.12	6.77347	9.07E+00	9.53E+00	1.04E+01
737	490686.72	3860285.12	7.07316	9.47E+00	9.95E+00	1.08E+01
738	490736.72	3860285.12	7.41085	9.92E+00	1.04E+01	1.13E+01
739	490786.72	3860285.12	7.73344	1.04E+01	1.09E+01	1.18E+01
740	490086.72	3860335.12	4.18755	5.60E+00	5.89E+00	6.41E+00
741	490136.72	3860335.12	4.36288	5.84E+00	6.14E+00	6.68E+00
742	490186.72	3860335.12	4.47508	5.99E+00	6.30E+00	6.85E+00
743	490236.72	3860335.12	4.57982	6.13E+00	6.44E+00	7.01E+00
744	490286.72	3860335.12	4.72243	6.32E+00	6.64E+00	7.23E+00
745	490336.72	3860335.12	4.96273	6.64E+00	6.98E+00	7.60E+00
746	490386.72	3860335.12	5.16297	6.91E+00	7.26E+00	7.91E+00
747	490436.72	3860335.12	5.32749	7.13E+00	7.50E+00	8.16E+00
748	490486.72	3860335.12	5.54858	7.43E+00	7.81E+00	8.50E+00
749	490536.72	3860335.12	5.75582	7.70E+00	8.10E+00	8.81E+00
750	490586.72	3860335.12	5.96945	7.99E+00	8.40E+00	9.14E+00
751	490636.72	3860335.12	6.2347	8.34E+00	8.77E+00	9.55E+00
752	490686.72	3860335.12	6.50391	8.70E+00	9.15E+00	9.96E+00

753	490736.72	3860335.12	6.75505	9.04E+00	9.50E+00	1.03E+01
754	490786.72	3860335.12	7.09015	9.49E+00	9.98E+00	1.09E+01
755	490086.72	3860385.12	3.97793	5.32E+00	5.60E+00	6.09E+00
756	490136.72	3860385.12	4.09849	5.49E+00	5.77E+00	6.28E+00
757	490186.72	3860385.12	4.23023	5.66E+00	5.95E+00	6.48E+00
758	490236.72	3860385.12	4.33096	5.80E+00	6.09E+00	6.63E+00
759	490286.72	3860385.12	4.45548	5.96E+00	6.27E+00	6.82E+00
760	490336.72	3860385.12	4.59369	6.15E+00	6.46E+00	7.03E+00
761	490386.72	3860385.12	4.82188	6.45E+00	6.78E+00	7.38E+00
762	490436.72	3860385.12	5.00137	6.69E+00	7.04E+00	7.66E+00
763	490486.72	3860385.12	5.15576	6.90E+00	7.25E+00	7.89E+00
764	490536.72	3860385.12	5.36787	7.18E+00	7.55E+00	8.22E+00
765	490586.72	3860385.12	5.55475	7.43E+00	7.82E+00	8.51E+00
766	490636.72	3860385.12	5.78924	7.75E+00	8.15E+00	8.86E+00
767	490686.72	3860385.12	6.03652	8.08E+00	8.49E+00	9.24E+00
768	490736.72	3860385.12	6.25805	8.38E+00	8.81E+00	9.58E+00
769	490786.72	3860385.12	6.47863	8.67E+00	9.12E+00	9.92E+00
770	490136.72	3860435.12	3.88665	5.20E+00	5.47E+00	5.95E+00
771	490186.72	3860435.12	3.97692	5.32E+00	5.60E+00	6.09E+00
772	490236.72	3860435.12	4.11507	5.51E+00	5.79E+00	6.30E+00
773	490286.72	3860435.12	4.23974	5.67E+00	5.97E+00	6.49E+00
774	490336.72	3860435.12	4.3539	5.83E+00	6.13E+00	6.67E+00
775	490386.72	3860435.12	4.48843	6.01E+00	6.32E+00	6.87E+00
776	490436.72	3860435.12	4.70284	6.29E+00	6.62E+00	7.20E+00
777	490486.72	3860435.12	4.85295	6.50E+00	6.83E+00	7.43E+00
778	490536.72	3860435.12	4.97213	6.65E+00	7.00E+00	7.61E+00
779	490586.72	3860435.12	5.18142	6.93E+00	7.29E+00	7.93E+00
780	490636.72	3860435.12	5.33894	7.15E+00	7.51E+00	8.17E+00
781	490686.72	3860435.12	5.59789	7.49E+00	7.88E+00	8.57E+00
782	490736.72	3860435.12	5.85237	7.83E+00	8.23E+00	8.96E+00
783	490786.72	3860435.12	6.05238	8.10E+00	8.52E+00	9.27E+00
784	490136.72	3860485.12	3.71257	4.97E+00	5.22E+00	5.68E+00
785	490186.72	3860485.12	3.79727	5.08E+00	5.34E+00	5.81E+00
786	490236.72	3860485.12	3.89427	5.21E+00	5.48E+00	5.96E+00
787	490286.72	3860485.12	4.04935	5.42E+00	5.70E+00	6.20E+00
788	490336.72	3860485.12	4.16912	5.58E+00	5.87E+00	6.38E+00
789	490386.72	3860485.12	4.27897	5.73E+00	6.02E+00	6.55E+00
790	490436.72	3860485.12	4.41158	5.90E+00	6.21E+00	6.75E+00
791	490486.72	3860485.12	4.59911	6.16E+00	6.47E+00	7.04E+00
792	490536.72	3860485.12	4.71143	6.31E+00	6.63E+00	7.21E+00
793	490586.72	3860485.12	4.81047	6.44E+00	6.77E+00	7.37E+00
794	490636.72	3860485.12	5.01124	6.71E+00	7.05E+00	7.67E+00
795	490686.72	3860485.12	5.15642	6.90E+00	7.26E+00	7.90E+00
796	490736.72	3860485.12	5.40492	7.23E+00	7.61E+00	8.28E+00
797	490786.72	3860485.12	5.639	7.55E+00	7.93E+00	8.63E+00
798	490136.72	3860535.12	3.55311	4.76E+00	5.00E+00	5.44E+00
799	490186.72	3860535.12	3.66116	4.90E+00	5.15E+00	5.61E+00
800	490236.72	3860535.12	3.72333	4.98E+00	5.24E+00	5.70E+00
801	490286.72	3860535.12	3.82541	5.12E+00	5.38E+00	5.86E+00
802	490336.72	3860535.12	3.97972	5.33E+00	5.60E+00	6.09E+00
803	490386.72	3860535.12	4.09539	5.48E+00	5.76E+00	6.27E+00
804	490436.72	3860535.12	4.18948	5.61E+00	5.89E+00	6.41E+00
805	490486.72	3860535.12	4.30228	5.76E+00	6.05E+00	6.59E+00
806	490536.72	3860535.12	4.49489	6.02E+00	6.32E+00	6.88E+00
807	490586.72	3860535.12	4.58978	6.14E+00	6.46E+00	7.03E+00
808	490636.72	3860535.12	4.68627	6.27E+00	6.59E+00	7.18E+00
809	490686.72	3860535.12	4.86248	6.51E+00	6.84E+00	7.45E+00
810	490736.72	3860535.12	4.99676	6.69E+00	7.03E+00	7.65E+00
811	490786.72	3860535.12	5.20241	6.96E+00	7.32E+00	7.97E+00
812	490136.72	3860585.12	3.40832	4.56E+00	4.80E+00	5.22E+00
813	490186.72	3860585.12	3.44557	4.61E+00	4.85E+00	5.28E+00
814	490236.72	3860585.12	3.53332	4.73E+00	4.97E+00	5.41E+00
815	490286.72	3860585.12	3.62518	4.85E+00	5.10E+00	5.55E+00

816	490336.72	3860585.12	3.74682	5.01E+00	5.27E+00	5.74E+00
817	490386.72	3860585.12	3.83167	5.13E+00	5.39E+00	5.87E+00
818	490436.72	3860585.12	4.00569	5.36E+00	5.64E+00	6.13E+00
819	490486.72	3860585.12	4.11656	5.51E+00	5.79E+00	6.30E+00
820	490536.72	3860585.12	4.22357	5.65E+00	5.94E+00	6.47E+00
821	490586.72	3860585.12	4.33212	5.80E+00	6.10E+00	6.63E+00
822	490636.72	3860585.12	4.43754	5.94E+00	6.24E+00	6.79E+00
823	490686.72	3860585.12	4.54083	6.08E+00	6.39E+00	6.95E+00
824	490736.72	3860585.12	4.69869	6.29E+00	6.61E+00	7.19E+00
825	490786.72	3860585.12	4.8236	6.46E+00	6.79E+00	7.39E+00
826	490136.72	3860635.12	3.25963	4.36E+00	4.59E+00	4.99E+00
827	490186.72	3860635.12	3.329	4.46E+00	4.68E+00	5.10E+00
828	490236.72	3860635.12	3.38557	4.53E+00	4.76E+00	5.18E+00
829	490286.72	3860635.12	3.44946	4.62E+00	4.85E+00	5.28E+00
830	490336.72	3860635.12	3.55111	4.75E+00	5.00E+00	5.44E+00
831	490386.72	3860635.12	3.67107	4.91E+00	5.17E+00	5.62E+00
832	490436.72	3860635.12	3.74858	5.02E+00	5.27E+00	5.74E+00
833	490486.72	3860635.12	3.85671	5.16E+00	5.43E+00	5.91E+00
834	490536.72	3860635.12	3.96962	5.31E+00	5.59E+00	6.08E+00
835	490586.72	3860635.12	4.07405	5.45E+00	5.73E+00	6.24E+00
836	490636.72	3860635.12	4.22809	5.66E+00	5.95E+00	6.47E+00
837	490686.72	3860635.12	4.3056	5.76E+00	6.06E+00	6.59E+00
838	490736.72	3860635.12	4.4001	5.89E+00	6.19E+00	6.74E+00
839	490786.72	3860635.12	4.54472	6.08E+00	6.39E+00	6.96E+00
840	490136.72	3860685.12	3.15901	4.23E+00	4.44E+00	4.84E+00
841	490186.72	3860685.12	3.20595	4.29E+00	4.51E+00	4.91E+00
842	490236.72	3860685.12	3.29511	4.41E+00	4.64E+00	5.05E+00
843	490286.72	3860685.12	3.32996	4.46E+00	4.69E+00	5.10E+00
844	490336.72	3860685.12	3.40921	4.56E+00	4.80E+00	5.22E+00
845	490386.72	3860685.12	3.49781	4.68E+00	4.92E+00	5.36E+00
846	490436.72	3860685.12	3.58134	4.79E+00	5.04E+00	5.48E+00
847	490486.72	3860685.12	3.63312	4.86E+00	5.11E+00	5.56E+00
848	490536.72	3860685.12	3.72781	4.99E+00	5.25E+00	5.71E+00
849	490586.72	3860685.12	3.83067	5.13E+00	5.39E+00	5.87E+00
850	490636.72	3860685.12	3.97267	5.32E+00	5.59E+00	6.08E+00
851	490686.72	3860685.12	4.10246	5.49E+00	5.77E+00	6.28E+00
852	490736.72	3860685.12	4.17608	5.59E+00	5.88E+00	6.39E+00
853	490786.72	3860685.12	4.30289	5.76E+00	6.05E+00	6.59E+00
854	490136.72	3860735.12	3.04369	4.07E+00	4.28E+00	4.66E+00
855	490186.72	3860735.12	3.09205	4.14E+00	4.35E+00	4.73E+00
856	490236.72	3860735.12	3.13854	4.20E+00	4.42E+00	4.81E+00
857	490286.72	3860735.12	3.19288	4.27E+00	4.49E+00	4.89E+00
858	490336.72	3860735.12	3.25041	4.35E+00	4.57E+00	4.98E+00
859	490386.72	3860735.12	3.34139	4.47E+00	4.70E+00	5.12E+00
860	490436.72	3860735.12	3.44442	4.61E+00	4.85E+00	5.27E+00
861	490486.72	3860735.12	3.50288	4.69E+00	4.93E+00	5.36E+00
862	490536.72	3860735.12	3.54335	4.74E+00	4.99E+00	5.43E+00
863	490586.72	3860735.12	3.60596	4.83E+00	5.07E+00	5.52E+00
864	490636.72	3860735.12	3.70667	4.96E+00	5.22E+00	5.68E+00
865	490686.72	3860735.12	3.86121	5.17E+00	5.43E+00	5.91E+00
866	490736.72	3860735.12	3.99171	5.34E+00	5.62E+00	6.11E+00
867	490136.72	3860785.12	2.88699	3.86E+00	4.06E+00	4.42E+00
868	490186.72	3860785.12	2.95451	3.95E+00	4.16E+00	4.52E+00
869	490236.72	3860785.12	2.99888	4.01E+00	4.22E+00	4.59E+00
870	490286.72	3860785.12	3.04685	4.08E+00	4.29E+00	4.67E+00
871	490336.72	3860785.12	3.09873	4.15E+00	4.36E+00	4.74E+00
872	490386.72	3860785.12	3.17282	4.25E+00	4.46E+00	4.86E+00
873	490436.72	3860785.12	3.23774	4.33E+00	4.56E+00	4.96E+00
874	490486.72	3860785.12	3.32851	4.45E+00	4.68E+00	5.10E+00
875	490536.72	3860785.12	3.39564	4.54E+00	4.78E+00	5.20E+00
876	490586.72	3860785.12	3.43597	4.60E+00	4.83E+00	5.26E+00
877	490636.72	3860785.12	3.49598	4.68E+00	4.92E+00	5.35E+00
878	490686.72	3860785.12	3.61169	4.83E+00	5.08E+00	5.53E+00

879	490736.72	3860785.12	3.76323	5.04E+00	5.30E+00	5.76E+00
880	490086.72	3860835.12	2.72001	3.64E+00	3.83E+00	4.16E+00
881	490136.72	3860835.12	2.76527	3.70E+00	3.89E+00	4.23E+00
882	490186.72	3860835.12	2.8205	3.78E+00	3.97E+00	4.32E+00
883	490236.72	3860835.12	2.871	3.84E+00	4.04E+00	4.40E+00
884	490286.72	3860835.12	2.9251	3.92E+00	4.12E+00	4.48E+00
885	490336.72	3860835.12	2.96335	3.97E+00	4.17E+00	4.54E+00
886	490386.72	3860835.12	3.01219	4.03E+00	4.24E+00	4.61E+00
887	490436.72	3860835.12	3.09774	4.15E+00	4.36E+00	4.74E+00
888	490486.72	3860835.12	3.15679	4.23E+00	4.44E+00	4.83E+00
889	490536.72	3860835.12	3.21973	4.31E+00	4.53E+00	4.93E+00
890	490586.72	3860835.12	3.27087	4.38E+00	4.60E+00	5.01E+00
891	490636.72	3860835.12	3.34224	4.47E+00	4.70E+00	5.12E+00
892	490686.72	3860835.12	3.40801	4.56E+00	4.80E+00	5.22E+00
893	490736.72	3860835.12	3.54637	4.75E+00	4.99E+00	5.43E+00
894	490086.72	3860885.12	2.61309	3.50E+00	3.68E+00	4.00E+00
895	490136.72	3860885.12	2.66237	3.56E+00	3.75E+00	4.08E+00
896	490186.72	3860885.12	2.70037	3.61E+00	3.80E+00	4.13E+00
897	490236.72	3860885.12	2.74675	3.68E+00	3.86E+00	4.21E+00
898	490286.72	3860885.12	2.79785	3.74E+00	3.94E+00	4.28E+00
899	490336.72	3860885.12	2.82489	3.78E+00	3.97E+00	4.33E+00
900	490386.72	3860885.12	2.88822	3.87E+00	4.06E+00	4.42E+00
901	490436.72	3860885.12	2.93835	3.93E+00	4.13E+00	4.50E+00
902	490486.72	3860885.12	3.00222	4.02E+00	4.22E+00	4.60E+00
903	490536.72	3860885.12	3.04902	4.08E+00	4.29E+00	4.67E+00
904	490586.72	3860885.12	3.11562	4.17E+00	4.38E+00	4.77E+00
905	490636.72	3860885.12	3.17329	4.25E+00	4.47E+00	4.86E+00
906	490686.72	3860885.12	3.24419	4.34E+00	4.56E+00	4.97E+00
907	490736.72	3860885.12	3.31535	4.44E+00	4.66E+00	5.08E+00
908	490086.72	3860935.12	2.50315	3.35E+00	3.52E+00	3.83E+00
909	490136.72	3860935.12	2.5306	3.39E+00	3.56E+00	3.87E+00
910	490186.72	3860935.12	2.5689	3.44E+00	3.61E+00	3.93E+00
911	490236.72	3860935.12	2.6337	3.53E+00	3.71E+00	4.03E+00
912	490286.72	3860935.12	2.67688	3.58E+00	3.77E+00	4.10E+00
913	490336.72	3860935.12	2.7055	3.62E+00	3.81E+00	4.14E+00
914	490386.72	3860935.12	2.74822	3.68E+00	3.87E+00	4.21E+00
915	490436.72	3860935.12	2.80408	3.75E+00	3.95E+00	4.29E+00
916	490486.72	3860935.12	2.85102	3.82E+00	4.01E+00	4.37E+00
917	490536.72	3860935.12	2.91323	3.90E+00	4.10E+00	4.46E+00
918	490586.72	3860935.12	2.96194	3.96E+00	4.17E+00	4.54E+00
919	490636.72	3860935.12	3.03145	4.06E+00	4.27E+00	4.64E+00
920	490686.72	3860935.12	3.07621	4.12E+00	4.33E+00	4.71E+00
921	490736.72	3860935.12	3.1255	4.18E+00	4.40E+00	4.79E+00
922	490786.72	3860935.12	3.16507	4.24E+00	4.45E+00	4.85E+00
923	490836.72	3860935.12	3.25207	4.35E+00	4.58E+00	4.98E+00
924	490086.72	3860985.12	2.42805	3.25E+00	3.42E+00	3.72E+00
925	490136.72	3860985.12	2.45759	3.29E+00	3.46E+00	3.76E+00
926	490186.72	3860985.12	2.48342	3.32E+00	3.49E+00	3.80E+00
927	490236.72	3860985.12	2.5191	3.37E+00	3.54E+00	3.86E+00
928	490286.72	3860985.12	2.5653	3.43E+00	3.61E+00	3.93E+00
929	490336.72	3860985.12	2.59975	3.48E+00	3.66E+00	3.98E+00
930	490386.72	3860985.12	2.62513	3.51E+00	3.69E+00	4.02E+00
931	490436.72	3860985.12	2.68677	3.60E+00	3.78E+00	4.11E+00
932	490486.72	3860985.12	2.73803	3.66E+00	3.85E+00	4.19E+00
933	490536.72	3860985.12	2.77104	3.71E+00	3.90E+00	4.24E+00
934	490586.72	3860985.12	2.81733	3.77E+00	3.96E+00	4.31E+00
935	490636.72	3860985.12	2.86235	3.83E+00	4.03E+00	4.38E+00
936	490686.72	3860985.12	2.89926	3.88E+00	4.08E+00	4.44E+00
937	490736.72	3860985.12	2.92596	3.92E+00	4.12E+00	4.48E+00
938	490786.72	3860985.12	2.95458	3.95E+00	4.16E+00	4.52E+00
939	490836.72	3860985.12	3.06323	4.10E+00	4.31E+00	4.69E+00
940	490086.72	3861035.12	2.34655	3.14E+00	3.30E+00	3.59E+00
941	490136.72	3861035.12	2.37319	3.18E+00	3.34E+00	3.63E+00

942	490186.72	3861035.12	2.39831	3.21E+00	3.37E+00	3.67E+00
943	490236.72	3861035.12	2.41706	3.24E+00	3.40E+00	3.70E+00
944	490286.72	3861035.12	2.45283	3.28E+00	3.45E+00	3.76E+00
945	490336.72	3861035.12	2.4909	3.33E+00	3.50E+00	3.81E+00
946	490386.72	3861035.12	2.53271	3.39E+00	3.56E+00	3.88E+00
947	490436.72	3861035.12	2.57411	3.45E+00	3.62E+00	3.94E+00
948	490486.72	3861035.12	2.61512	3.50E+00	3.68E+00	4.00E+00
949	490536.72	3861035.12	2.65575	3.55E+00	3.74E+00	4.07E+00
950	490586.72	3861035.12	2.6735	3.58E+00	3.76E+00	4.09E+00
951	490636.72	3861035.12	2.69316	3.60E+00	3.79E+00	4.12E+00
952	490686.72	3861035.12	2.73424	3.66E+00	3.85E+00	4.19E+00
953	490736.72	3861035.12	2.77397	3.71E+00	3.90E+00	4.25E+00
954	490786.72	3861035.12	2.84085	3.80E+00	4.00E+00	4.35E+00
955	490836.72	3861035.12	2.89688	3.88E+00	4.08E+00	4.44E+00
956	490086.72	3861085.12	2.26779	3.04E+00	3.19E+00	3.47E+00
957	490136.72	3861085.12	2.29033	3.07E+00	3.22E+00	3.51E+00
958	490186.72	3861085.12	2.31982	3.10E+00	3.26E+00	3.55E+00
959	490236.72	3861085.12	2.33094	3.12E+00	3.28E+00	3.57E+00
960	490286.72	3861085.12	2.37396	3.18E+00	3.34E+00	3.63E+00
961	490336.72	3861085.12	2.39431	3.20E+00	3.37E+00	3.67E+00
962	490386.72	3861085.12	2.44419	3.27E+00	3.44E+00	3.74E+00
963	490436.72	3861085.12	2.47124	3.31E+00	3.48E+00	3.78E+00
964	490486.72	3861085.12	2.4945	3.34E+00	3.51E+00	3.82E+00
965	490536.72	3861085.12	2.51711	3.37E+00	3.54E+00	3.85E+00
966	490586.72	3861085.12	2.55562	3.42E+00	3.60E+00	3.91E+00
967	490636.72	3861085.12	2.60349	3.48E+00	3.66E+00	3.99E+00
968	490686.72	3861085.12	2.62106	3.51E+00	3.69E+00	4.01E+00
969	490736.72	3861085.12	2.6691	3.57E+00	3.76E+00	4.09E+00
970	490786.72	3861085.12	2.71391	3.63E+00	3.82E+00	4.16E+00
971	490836.72	3861085.12	2.76841	3.71E+00	3.90E+00	4.24E+00
972	490086.72	3861135.12	2.17782	2.91E+00	3.06E+00	3.33E+00
973	490136.72	3861135.12	2.2111	2.96E+00	3.11E+00	3.39E+00
974	490186.72	3861135.12	2.23811	3.00E+00	3.15E+00	3.43E+00
975	490236.72	3861135.12	2.26066	3.03E+00	3.18E+00	3.46E+00
976	490286.72	3861135.12	2.2779	3.05E+00	3.21E+00	3.49E+00
977	490336.72	3861135.12	2.29779	3.08E+00	3.23E+00	3.52E+00
978	490386.72	3861135.12	2.33574	3.13E+00	3.29E+00	3.58E+00
979	490436.72	3861135.12	2.36852	3.17E+00	3.33E+00	3.63E+00
980	490486.72	3861135.12	2.37874	3.18E+00	3.35E+00	3.64E+00
981	490536.72	3861135.12	2.40483	3.22E+00	3.38E+00	3.68E+00
982	490586.72	3861135.12	2.44468	3.27E+00	3.44E+00	3.74E+00
983	490636.72	3861135.12	2.50187	3.35E+00	3.52E+00	3.83E+00
984	490686.72	3861135.12	2.54447	3.41E+00	3.58E+00	3.90E+00
985	490736.72	3861135.12	2.57418	3.45E+00	3.62E+00	3.94E+00
986	490786.72	3861135.12	2.62507	3.51E+00	3.69E+00	4.02E+00
987	490836.72	3861135.12	2.67218	3.58E+00	3.76E+00	4.09E+00
988	490086.72	3861185.12	2.09823	2.81E+00	2.95E+00	3.21E+00
989	490136.72	3861185.12	2.12735	2.85E+00	2.99E+00	3.26E+00
990	490186.72	3861185.12	2.14538	2.87E+00	3.02E+00	3.28E+00
991	490236.72	3861185.12	2.16234	2.89E+00	3.04E+00	3.31E+00
992	490286.72	3861185.12	2.17931	2.92E+00	3.07E+00	3.34E+00
993	490336.72	3861185.12	2.19556	2.94E+00	3.09E+00	3.36E+00
994	490386.72	3861185.12	2.2336	2.99E+00	3.14E+00	3.42E+00
995	490436.72	3861185.12	2.2712	3.04E+00	3.20E+00	3.48E+00
996	490486.72	3861185.12	2.28779	3.06E+00	3.22E+00	3.50E+00
997	490536.72	3861185.12	2.33487	3.13E+00	3.29E+00	3.58E+00
998	490586.72	3861185.12	2.36571	3.17E+00	3.33E+00	3.62E+00
999	490636.72	3861185.12	2.40036	3.21E+00	3.38E+00	3.68E+00
1000	490686.72	3861185.12	2.45724	3.29E+00	3.46E+00	3.76E+00
1001	490736.72	3861185.12	2.49074	3.33E+00	3.50E+00	3.81E+00
1002	490786.72	3861185.12	2.53746	3.40E+00	3.57E+00	3.89E+00
1003	490836.72	3861185.12	2.57368	3.44E+00	3.62E+00	3.94E+00
1004	490086.72	3861235.12	2.02098	2.70E+00	2.84E+00	3.09E+00

1005	490136.72	3861235.12	2.04222	2.73E+00	2.87E+00	3.13E+00
1006	490186.72	3861235.12	2.05494	2.75E+00	2.89E+00	3.15E+00
1007	490236.72	3861235.12	2.07567	2.78E+00	2.92E+00	3.18E+00
1008	490386.72	3861235.12	2.15194	2.88E+00	3.03E+00	3.30E+00
1009	490436.72	3861235.12	2.193	2.94E+00	3.09E+00	3.36E+00
1010	490486.72	3861235.12	2.21771	2.97E+00	3.12E+00	3.40E+00
1011	490536.72	3861235.12	2.26125	3.03E+00	3.18E+00	3.46E+00
1012	490586.72	3861235.12	2.30012	3.08E+00	3.24E+00	3.52E+00
1013	490636.72	3861235.12	2.31697	3.10E+00	3.26E+00	3.55E+00
1014	490686.72	3861235.12	2.36552	3.17E+00	3.33E+00	3.62E+00
1015	490736.72	3861235.12	2.41881	3.24E+00	3.40E+00	3.70E+00
1016	490786.72	3861235.12	2.45022	3.28E+00	3.45E+00	3.75E+00
1017	490836.72	3861235.12	2.48779	3.33E+00	3.50E+00	3.81E+00
1018	490086.72	3861285.12	1.96529	2.63E+00	2.77E+00	3.01E+00
1019	490136.72	3861285.12	1.98937	2.66E+00	2.80E+00	3.05E+00
1020	490186.72	3861285.12	2.01137	2.69E+00	2.83E+00	3.08E+00
1021	490236.72	3861285.12	2.0233	2.71E+00	2.85E+00	3.10E+00
1022	490386.72	3861285.12	2.08236	2.79E+00	2.93E+00	3.19E+00
1023	490436.72	3861285.12	2.12399	2.84E+00	2.99E+00	3.25E+00
1024	490486.72	3861285.12	2.16434	2.90E+00	3.05E+00	3.31E+00
1025	490536.72	3861285.12	2.19147	2.93E+00	3.08E+00	3.36E+00
1026	490586.72	3861285.12	2.21731	2.97E+00	3.12E+00	3.40E+00
1027	490636.72	3861285.12	2.23655	2.99E+00	3.15E+00	3.42E+00
1028	490686.72	3861285.12	2.2776	3.05E+00	3.20E+00	3.49E+00
1029	490736.72	3861285.12	2.33748	3.13E+00	3.29E+00	3.58E+00
1030	490786.72	3861285.12	2.36841	3.17E+00	3.33E+00	3.63E+00
1031	490836.72	3861285.12	2.38572	3.19E+00	3.36E+00	3.65E+00
1032	490061.24	3859716.13	15.60682	2.09E+01	2.20E+01	2.39E+01
1033	490111.24	3859716.13	17.52171	2.35E+01	2.47E+01	2.68E+01
1034	490161.24	3859716.13	20.07594	2.69E+01	2.82E+01	3.07E+01
1035	490211.24	3859716.13	23.06423	3.09E+01	3.25E+01	3.53E+01
1036	490061.24	3859766.13	12.7297	1.70E+01	1.79E+01	1.95E+01
1037	490111.24	3859766.13	13.80579	1.85E+01	1.94E+01	2.11E+01
1038	490161.24	3859766.13	15.00873	2.01E+01	2.11E+01	2.30E+01
1039	490211.24	3859766.13	16.76494	2.24E+01	2.36E+01	2.57E+01
1040	490061.24	3859816.13	10.75508	1.44E+01	1.51E+01	1.65E+01
1041	490111.24	3859816.13	11.47978	1.54E+01	1.62E+01	1.76E+01
1042	490161.24	3859816.13	12.32308	1.65E+01	1.73E+01	1.89E+01
1043	490211.24	3859816.13	13.43136	1.80E+01	1.89E+01	2.06E+01
1044	490061.24	3859866.13	9.21574	1.23E+01	1.30E+01	1.41E+01
1045	490111.24	3859866.13	9.7594	1.31E+01	1.37E+01	1.49E+01
1046	490161.24	3859866.13	10.39607	1.39E+01	1.46E+01	1.59E+01
1047	490211.24	3859866.13	11.07454	1.48E+01	1.56E+01	1.70E+01
1048	490061.24	3859916.13	8.05717	1.08E+01	1.13E+01	1.23E+01
1049	490111.24	3859916.13	8.47875	1.13E+01	1.19E+01	1.30E+01
1050	490161.24	3859916.13	8.9763	1.20E+01	1.26E+01	1.37E+01
1051	490211.24	3859916.13	9.54848	1.28E+01	1.34E+01	1.46E+01
1052	490229.25	3859815.26	13.89103	1.86E+01	1.95E+01	2.13E+01
1053	490279.25	3859815.26	15.19499	2.03E+01	2.14E+01	2.33E+01
1054	490329.25	3859815.26	16.35323	2.19E+01	2.30E+01	2.50E+01
1055	490379.25	3859815.26	18.11365	2.42E+01	2.55E+01	2.77E+01
1056	490429.25	3859815.26	21.6741	2.90E+01	3.05E+01	3.32E+01
1057	490229.25	3859865.26	11.36412	1.52E+01	1.60E+01	1.74E+01
1058	490279.25	3859865.26	12.19768	1.63E+01	1.72E+01	1.87E+01
1059	490329.25	3859865.26	13.30832	1.78E+01	1.87E+01	2.04E+01
1060	490379.25	3859865.26	14.54283	1.95E+01	2.05E+01	2.23E+01
1061	490429.25	3859865.26	15.45868	2.07E+01	2.18E+01	2.37E+01
1062	490229.25	3859915.26	9.85099	1.32E+01	1.39E+01	1.51E+01
1063	490279.25	3859915.26	10.37043	1.39E+01	1.46E+01	1.59E+01
1064	490329.25	3859915.26	11.14501	1.49E+01	1.57E+01	1.71E+01
1065	490379.25	3859915.26	12.1401	1.62E+01	1.71E+01	1.86E+01
1066	490429.25	3859915.26	13.07865	1.75E+01	1.84E+01	2.00E+01
1067	490451.43	3859872.59	15.54074	2.08E+01	2.19E+01	2.38E+01

1068	490501.43	3859872.59	17.38337	2.33E+01	2.45E+01	2.66E+01
1069	490551.43	3859872.59	20.88412	2.80E+01	2.94E+01	3.20E+01
1070	490601.43	3859872.59	24.8996	3.33E+01	3.50E+01	3.81E+01
1071	490451.43	3859922.59	13.1557	1.76E+01	1.85E+01	2.01E+01
1072	490501.43	3859922.59	13.91244	1.86E+01	1.96E+01	2.13E+01
1073	490551.43	3859922.59	15.07838	2.02E+01	2.12E+01	2.31E+01
1074	490601.43	3859922.59	17.04599	2.28E+01	2.40E+01	2.61E+01
1075	482129.67	3852241.07	20.17407	2.70E+01	2.84E+01	3.09E+01
1076	482029.67	3852291.07	26.06924	3.49E+01	3.67E+01	3.99E+01
1077	482079.67	3852291.07	22.89297	3.06E+01	3.22E+01	3.51E+01
1078	482129.67	3852291.07	21.22615	2.84E+01	2.99E+01	3.25E+01
1079	482179.67	3852291.07	19.88732	2.66E+01	2.80E+01	3.05E+01
1080	482229.67	3852291.07	18.38847	2.46E+01	2.59E+01	2.82E+01
1081	482029.67	3852341.07	30.87817	4.13E+01	4.34E+01	4.73E+01
1082	482079.67	3852341.07	25.54654	3.42E+01	3.59E+01	3.91E+01
1083	482129.67	3852341.07	22.62718	3.03E+01	3.18E+01	3.46E+01
1084	482179.67	3852341.07	20.54948	2.75E+01	2.89E+01	3.15E+01
1085	482259.06	3852400.14	19.04213	2.55E+01	2.68E+01	2.92E+01
1086	482309.06	3852400.14	18.37602	2.46E+01	2.59E+01	2.81E+01
1087	482209.06	3852450.14	22.639	3.03E+01	3.19E+01	3.47E+01
1088	482259.06	3852450.14	20.56815	2.75E+01	2.89E+01	3.15E+01
1089	482309.06	3852450.14	18.82321	2.52E+01	2.65E+01	2.88E+01
1090	482209.06	3852500.14	26.40102	3.53E+01	3.71E+01	4.04E+01
1091	482259.06	3852500.14	22.48592	3.01E+01	3.16E+01	3.44E+01
1092	482309.06	3852500.14	20.45514	2.74E+01	2.88E+01	3.13E+01
1093	482283.91	3852513.62	21.77608	2.91E+01	3.06E+01	3.33E+01
1094	482333.91	3852513.62	19.92465	2.67E+01	2.80E+01	3.05E+01
1095	482283.91	3852563.62	25.10333	3.36E+01	3.53E+01	3.84E+01
1096	482333.91	3852563.62	21.36814	2.86E+01	3.01E+01	3.27E+01
1097	482383.91	3852563.62	19.44189	2.60E+01	2.74E+01	2.98E+01
1098	482283.91	3852613.62	31.33956	4.19E+01	4.41E+01	4.80E+01
1099	482333.91	3852613.62	24.71772	3.31E+01	3.48E+01	3.78E+01
1100	482383.91	3852613.62	20.98432	2.81E+01	2.95E+01	3.21E+01
1101	482602.38	3852600.87	14.93482	2.00E+01	2.10E+01	2.29E+01
1102	482652.38	3852600.87	14.14415	1.89E+01	1.99E+01	2.17E+01
1103	482702.38	3852600.87	14.08059	1.88E+01	1.98E+01	2.16E+01
1104	482552.38	3852650.87	16.49665	2.21E+01	2.32E+01	2.53E+01
1105	482602.38	3852650.87	15.44892	2.07E+01	2.17E+01	2.37E+01
1106	482652.38	3852650.87	14.76946	1.98E+01	2.08E+01	2.26E+01
1107	482702.38	3852650.87	14.05993	1.88E+01	1.98E+01	2.15E+01
1108	482552.38	3852700.87	17.78784	2.38E+01	2.50E+01	2.72E+01
1109	482602.38	3852700.87	16.40616	2.20E+01	2.31E+01	2.51E+01
1110	482652.38	3852700.87	15.23945	2.04E+01	2.14E+01	2.33E+01
1111	482702.38	3852700.87	14.59743	1.95E+01	2.05E+01	2.24E+01
1112	482452.38	3852750.87	25.81499	3.46E+01	3.63E+01	3.95E+01
1113	482521.29	3852749.74	20.74392	2.78E+01	2.92E+01	3.18E+01
1114	482571.29	3852749.74	18.36038	2.46E+01	2.58E+01	2.81E+01
1115	482521.29	3852799.74	23.73977	3.18E+01	3.34E+01	3.64E+01
1116	482571.29	3852799.74	20.50355	2.74E+01	2.88E+01	3.14E+01
1117	482621.29	3852799.74	18.12118	2.43E+01	2.55E+01	2.77E+01
1118	482571.29	3852849.74	23.58762	3.16E+01	3.32E+01	3.61E+01
1119	482621.29	3852849.74	20.40952	2.73E+01	2.87E+01	3.13E+01
1120	482577.42	3852901.55	28.2587	3.78E+01	3.98E+01	4.33E+01
1121	482627.42	3852901.55	22.91876	3.07E+01	3.22E+01	3.51E+01
1122	482629.96	3852955.85	28.22736	3.78E+01	3.97E+01	4.32E+01
1123	482679.96	3852955.85	22.63143	3.03E+01	3.18E+01	3.47E+01
1124	482781.63	3853034.48	20.42585	2.73E+01	2.87E+01	3.13E+01
1125	482831.63	3853034.48	18.05075	2.42E+01	2.54E+01	2.76E+01
1126	482881.63	3853034.48	16.07047	2.15E+01	2.26E+01	2.46E+01
1127	482781.63	3853084.48	23.14574	3.10E+01	3.26E+01	3.54E+01
1128	482831.63	3853084.48	19.83718	2.66E+01	2.79E+01	3.04E+01
1129	482881.63	3853084.48	17.64529	2.36E+01	2.48E+01	2.70E+01
1130	482781.63	3853134.48	27.02712	3.62E+01	3.80E+01	4.14E+01

1131	482831.63	3853134.48	22.294	2.98E+01	3.14E+01	3.41E+01
1132	482881.63	3853134.48	19.16918	2.57E+01	2.70E+01	2.94E+01
1133	482831.63	3853184.48	24.77032	3.32E+01	3.49E+01	3.79E+01
1134	482881.63	3853184.48	21.15929	2.83E+01	2.98E+01	3.24E+01
1135	484154.84	3854250.98	6.59138	8.82E+00	9.27E+00	1.01E+01
1136	484204.84	3854250.98	6.27718	8.40E+00	8.83E+00	9.61E+00
1137	484154.84	3854300.98	6.56682	8.79E+00	9.24E+00	1.01E+01
1138	484204.84	3854300.98	6.24242	8.36E+00	8.78E+00	9.56E+00
1139	484074.19	3854519.8	5.82097	7.79E+00	8.19E+00	8.91E+00
1140	484124.19	3854519.8	5.86558	7.85E+00	8.25E+00	8.98E+00
1141	484074.19	3854569.8	5.37609	7.20E+00	7.56E+00	8.23E+00
1142	484124.19	3854569.8	5.40508	7.23E+00	7.61E+00	8.28E+00
1143	485205.11	3855188.89	5.02705	6.73E+00	7.07E+00	7.70E+00
1144	485255.11	3855188.89	4.77595	6.39E+00	6.72E+00	7.31E+00
1145	485205.11	3855238.89	5.09094	6.81E+00	7.16E+00	7.80E+00
1146	485255.11	3855238.89	4.94769	6.62E+00	6.96E+00	7.58E+00
1147	485205.11	3855288.89	5.14838	6.89E+00	7.24E+00	7.88E+00
1148	485255.11	3855288.89	5.06666	6.78E+00	7.13E+00	7.76E+00
1149	485255.11	3855338.89	5.06878	6.78E+00	7.13E+00	7.76E+00
1150	485305.11	3855338.89	5.00423	6.70E+00	7.04E+00	7.66E+00
1151	485852.5	3855635.28	3.9534	5.29E+00	5.56E+00	6.05E+00
1152	485902.5	3855635.28	4.0086	5.37E+00	5.64E+00	6.14E+00
1153	485852.5	3855685.28	4.01288	5.37E+00	5.65E+00	6.14E+00
1154	485902.5	3855685.28	3.8753	5.19E+00	5.45E+00	5.93E+00
1155	485852.5	3855735.28	4.06341	5.44E+00	5.72E+00	6.22E+00
1156	485902.5	3855735.28	3.95447	5.29E+00	5.56E+00	6.06E+00
1157	485852.5	3855785.28	4.09316	5.48E+00	5.76E+00	6.27E+00
1158	485902.5	3855785.28	3.97771	5.32E+00	5.60E+00	6.09E+00
1159	486809.46	3856465.28	3.08939	4.13E+00	4.35E+00	4.73E+00
1160	486859.46	3856465.28	3.05941	4.09E+00	4.30E+00	4.68E+00
1161	486909.46	3856465.28	3.10535	4.16E+00	4.37E+00	4.75E+00
1162	486809.46	3856515.28	3.21148	4.30E+00	4.52E+00	4.92E+00
1163	486859.46	3856515.28	3.14261	4.21E+00	4.42E+00	4.81E+00
1164	486909.46	3856515.28	3.07797	4.12E+00	4.33E+00	4.71E+00
1165	486980.94	3856357.95	3.12408	4.18E+00	4.40E+00	4.78E+00
1166	487030.94	3856357.95	3.07527	4.12E+00	4.33E+00	4.71E+00
1167	486980.94	3856407.95	3.15214	4.22E+00	4.44E+00	4.83E+00
1168	487030.94	3856407.95	3.11283	4.17E+00	4.38E+00	4.77E+00
1169	487447.18	3856437.45	3.08471	4.13E+00	4.34E+00	4.72E+00
1170	487497.18	3856437.45	3.11883	4.17E+00	4.39E+00	4.78E+00
1171	487547.18	3856437.45	3.14928	4.22E+00	4.43E+00	4.82E+00
1172	487447.18	3856487.45	2.9839	3.99E+00	4.20E+00	4.57E+00
1173	487497.18	3856487.45	3.02656	4.05E+00	4.26E+00	4.63E+00
1174	487547.18	3856487.45	3.0859	4.13E+00	4.34E+00	4.73E+00
1175	487447.18	3856537.45	2.93064	3.92E+00	4.12E+00	4.49E+00
1176	487497.18	3856537.45	2.95461	3.95E+00	4.16E+00	4.52E+00
1177	487547.18	3856537.45	2.96809	3.97E+00	4.18E+00	4.54E+00
1178	489285.89	3858826.54	8.50314	1.14E+01	1.20E+01	1.30E+01
1179	489335.89	3858826.54	7.94755	1.06E+01	1.12E+01	1.22E+01
1180	489385.89	3858826.54	7.60977	1.02E+01	1.07E+01	1.17E+01
1181	489435.89	3858826.54	7.26233	9.72E+00	1.02E+01	1.11E+01
1182	489485.89	3858826.54	6.82492	9.13E+00	9.60E+00	1.05E+01
1183	489535.89	3858826.54	6.61301	8.85E+00	9.30E+00	1.01E+01
1184	489585.89	3858826.54	6.34726	8.50E+00	8.93E+00	9.72E+00
1185	489635.89	3858826.54	6.09922	8.16E+00	8.58E+00	9.34E+00
1186	489685.89	3858826.54	5.97572	8.00E+00	8.41E+00	9.15E+00
1187	489735.89	3858826.54	5.79571	7.76E+00	8.15E+00	8.87E+00
1188	489785.89	3858826.54	5.7361	7.68E+00	8.07E+00	8.78E+00
1189	489835.89	3858826.54	5.58884	7.48E+00	7.86E+00	8.56E+00
1190	489885.89	3858826.54	5.43146	7.27E+00	7.64E+00	8.32E+00
1191	489935.89	3858826.54	5.40444	7.23E+00	7.60E+00	8.28E+00
1192	489985.89	3858826.54	5.12895	6.86E+00	7.22E+00	7.85E+00
1193	490035.89	3858826.54	4.96137	6.64E+00	6.98E+00	7.60E+00

1194	489285.89	3858876.54	9.49196	1.27E+01	1.34E+01	1.45E+01
1195	489335.89	3858876.54	8.95918	1.20E+01	1.26E+01	1.37E+01
1196	489385.89	3858876.54	8.39181	1.12E+01	1.18E+01	1.28E+01
1197	489435.89	3858876.54	7.91978	1.06E+01	1.11E+01	1.21E+01
1198	489485.89	3858876.54	7.55995	1.01E+01	1.06E+01	1.16E+01
1199	489535.89	3858876.54	7.19087	9.62E+00	1.01E+01	1.10E+01
1200	489585.89	3858876.54	6.94529	9.30E+00	9.77E+00	1.06E+01
1201	489635.89	3858876.54	6.70685	8.98E+00	9.44E+00	1.03E+01
1202	489685.89	3858876.54	6.38747	8.55E+00	8.99E+00	9.78E+00
1203	489735.89	3858876.54	6.25318	8.37E+00	8.80E+00	9.57E+00
1204	489785.89	3858876.54	6.08966	8.15E+00	8.57E+00	9.32E+00
1205	489835.89	3858876.54	5.95862	7.98E+00	8.38E+00	9.12E+00
1206	489885.89	3858876.54	5.8014	7.76E+00	8.16E+00	8.88E+00
1207	489935.89	3858876.54	5.62897	7.53E+00	7.92E+00	8.62E+00
1208	489985.89	3858876.54	5.56659	7.45E+00	7.83E+00	8.52E+00
1209	490035.89	3858876.54	5.28637	7.08E+00	7.44E+00	8.09E+00
1210	489285.89	3858926.54	10.94449	1.46E+01	1.54E+01	1.68E+01
1211	489335.89	3858926.54	10.02939	1.34E+01	1.41E+01	1.54E+01
1212	489385.89	3858926.54	9.44583	1.26E+01	1.33E+01	1.45E+01
1213	489435.89	3858926.54	8.86215	1.19E+01	1.25E+01	1.36E+01
1214	489485.89	3858926.54	8.30867	1.11E+01	1.17E+01	1.27E+01
1215	489535.89	3858926.54	7.88315	1.06E+01	1.11E+01	1.21E+01
1216	489585.89	3858926.54	7.56416	1.01E+01	1.06E+01	1.16E+01
1217	489635.89	3858926.54	7.23687	9.69E+00	1.02E+01	1.11E+01
1218	489685.89	3858926.54	6.98079	9.34E+00	9.82E+00	1.07E+01
1219	489735.89	3858926.54	6.65795	8.91E+00	9.37E+00	1.02E+01
1220	489785.89	3858926.54	6.48627	8.68E+00	9.13E+00	9.93E+00
1221	489835.89	3858926.54	6.26211	8.38E+00	8.81E+00	9.59E+00
1222	489885.89	3858926.54	6.09914	8.16E+00	8.58E+00	9.34E+00
1223	489935.89	3858926.54	5.95032	7.96E+00	8.37E+00	9.11E+00
1224	489985.89	3858926.54	5.825	7.80E+00	8.20E+00	8.92E+00
1225	490035.89	3858926.54	5.78684	7.75E+00	8.14E+00	8.86E+00
1226	489335.89	3858976.54	11.76621	1.57E+01	1.66E+01	1.80E+01
1227	489385.89	3858976.54	10.78665	1.44E+01	1.52E+01	1.65E+01
1228	489435.89	3858976.54	10.14584	1.36E+01	1.43E+01	1.55E+01
1229	489485.89	3858976.54	9.45113	1.26E+01	1.33E+01	1.45E+01
1230	489535.89	3858976.54	8.84548	1.18E+01	1.24E+01	1.35E+01
1231	489585.89	3858976.54	8.2752	1.11E+01	1.16E+01	1.27E+01
1232	489635.89	3858976.54	7.91484	1.06E+01	1.11E+01	1.21E+01
1233	489685.89	3858976.54	7.59525	1.02E+01	1.07E+01	1.16E+01
1234	489735.89	3858976.54	7.33441	9.82E+00	1.03E+01	1.12E+01
1235	489785.89	3858976.54	7.03597	9.42E+00	9.90E+00	1.08E+01
1236	489835.89	3858976.54	6.78897	9.09E+00	9.55E+00	1.04E+01
1237	489885.89	3858976.54	6.52248	8.73E+00	9.18E+00	9.99E+00
1238	489935.89	3858976.54	6.34512	8.49E+00	8.93E+00	9.72E+00
1239	489985.89	3858976.54	6.15001	8.23E+00	8.65E+00	9.42E+00
1240	490035.89	3858976.54	5.97344	7.99E+00	8.40E+00	9.15E+00
1241	489385.89	3859026.54	12.85572	1.72E+01	1.81E+01	1.97E+01
1242	489435.89	3859026.54	11.57593	1.55E+01	1.63E+01	1.77E+01
1243	489485.89	3859026.54	10.70544	1.43E+01	1.51E+01	1.64E+01
1244	489535.89	3859026.54	10.117	1.35E+01	1.42E+01	1.55E+01
1245	489585.89	3859026.54	9.47085	1.27E+01	1.33E+01	1.45E+01
1246	489635.89	3859026.54	8.78225	1.18E+01	1.24E+01	1.34E+01
1247	489685.89	3859026.54	8.37433	1.12E+01	1.18E+01	1.28E+01
1248	489735.89	3859026.54	8.01551	1.07E+01	1.13E+01	1.23E+01
1249	489785.89	3859026.54	7.61998	1.02E+01	1.07E+01	1.17E+01
1250	489835.89	3859026.54	7.46988	1.00E+01	1.05E+01	1.14E+01
1251	489885.89	3859026.54	7.12528	9.54E+00	1.00E+01	1.09E+01
1252	489935.89	3859026.54	6.80419	9.11E+00	9.57E+00	1.04E+01
1253	489985.89	3859026.54	6.51374	8.72E+00	9.17E+00	9.97E+00
1254	490035.89	3859026.54	6.31144	8.45E+00	8.88E+00	9.66E+00
1255	489485.89	3859076.54	12.48554	1.67E+01	1.76E+01	1.91E+01
1256	489535.89	3859076.54	11.47814	1.54E+01	1.62E+01	1.76E+01

1257	489585.89	3859076.54	10.72245	1.44E+01	1.51E+01	1.64E+01
1258	489635.89	3859076.54	10.00845	1.34E+01	1.41E+01	1.53E+01
1259	489685.89	3859076.54	9.39399	1.26E+01	1.32E+01	1.44E+01
1260	489735.89	3859076.54	8.84057	1.18E+01	1.24E+01	1.35E+01
1261	489785.89	3859076.54	8.41725	1.13E+01	1.18E+01	1.29E+01
1262	489835.89	3859076.54	7.96581	1.07E+01	1.12E+01	1.22E+01
1263	489885.89	3859076.54	7.79076	1.04E+01	1.10E+01	1.19E+01
1264	489935.89	3859076.54	7.43975	9.96E+00	1.05E+01	1.14E+01
1265	489985.89	3859076.54	7.11486	9.52E+00	1.00E+01	1.09E+01
1266	490035.89	3859076.54	6.73523	9.01E+00	9.48E+00	1.03E+01
1267	489585.89	3859126.54	12.31278	1.65E+01	1.73E+01	1.89E+01
1268	489635.89	3859126.54	11.53894	1.54E+01	1.62E+01	1.77E+01
1269	489685.89	3859126.54	10.662	1.43E+01	1.50E+01	1.63E+01
1270	489735.89	3859126.54	10.02497	1.34E+01	1.41E+01	1.54E+01
1271	489785.89	3859126.54	9.47787	1.27E+01	1.33E+01	1.45E+01
1272	489835.89	3859126.54	8.92287	1.19E+01	1.26E+01	1.37E+01
1273	489885.89	3859126.54	8.55735	1.15E+01	1.20E+01	1.31E+01
1274	489935.89	3859126.54	8.10661	1.09E+01	1.14E+01	1.24E+01
1275	489985.89	3859126.54	7.65084	1.02E+01	1.08E+01	1.17E+01
1276	490035.89	3859126.54	7.37032	9.86E+00	1.04E+01	1.13E+01
1277	489585.89	3859176.54	15.10924	2.02E+01	2.13E+01	2.31E+01
1278	489635.89	3859176.54	13.57337	1.82E+01	1.91E+01	2.08E+01
1279	489685.89	3859176.54	12.34279	1.65E+01	1.74E+01	1.89E+01
1280	489735.89	3859176.54	11.43203	1.53E+01	1.61E+01	1.75E+01
1281	489785.89	3859176.54	10.67698	1.43E+01	1.50E+01	1.63E+01
1282	489835.89	3859176.54	10.11783	1.35E+01	1.42E+01	1.55E+01
1283	489885.89	3859176.54	9.4644	1.27E+01	1.33E+01	1.45E+01
1284	489935.89	3859176.54	9.07067	1.21E+01	1.28E+01	1.39E+01
1285	489985.89	3859176.54	8.35887	1.12E+01	1.18E+01	1.28E+01
1286	490035.89	3859176.54	8.05862	1.08E+01	1.13E+01	1.23E+01
1287	489685.89	3859226.54	15.02306	2.01E+01	2.11E+01	2.30E+01
1288	489735.89	3859226.54	13.45163	1.80E+01	1.89E+01	2.06E+01
1289	489785.89	3859226.54	12.43989	1.66E+01	1.75E+01	1.90E+01
1290	489835.89	3859226.54	11.48447	1.54E+01	1.62E+01	1.76E+01
1291	489885.89	3859226.54	10.80361	1.45E+01	1.52E+01	1.65E+01
1292	489935.89	3859226.54	10.17055	1.36E+01	1.43E+01	1.56E+01
1293	489985.89	3859226.54	9.42305	1.26E+01	1.33E+01	1.44E+01
1294	490035.89	3859226.54	8.93513	1.20E+01	1.26E+01	1.37E+01
1295	489735.89	3859276.54	17.03398	2.28E+01	2.40E+01	2.61E+01
1296	489785.89	3859276.54	15.08695	2.02E+01	2.12E+01	2.31E+01
1297	489835.89	3859276.54	13.6207	1.82E+01	1.92E+01	2.09E+01
1298	489885.89	3859276.54	12.61322	1.69E+01	1.77E+01	1.93E+01
1299	489935.89	3859276.54	11.5768	1.55E+01	1.63E+01	1.77E+01
1300	489985.89	3859276.54	10.46058	1.40E+01	1.47E+01	1.60E+01
1301	490035.89	3859276.54	10.01552	1.34E+01	1.41E+01	1.53E+01
1302	490458.06	3859590.74	15.6926	2.10E+01	2.21E+01	2.40E+01
1303	490508.06	3859590.74	14.44814	1.93E+01	2.03E+01	2.21E+01
1304	490558.06	3859590.74	13.12096	1.76E+01	1.85E+01	2.01E+01
1305	490608.06	3859590.74	12.19359	1.63E+01	1.72E+01	1.87E+01
1306	490658.06	3859590.74	11.20059	1.50E+01	1.58E+01	1.72E+01
1307	490708.06	3859590.74	10.20109	1.37E+01	1.44E+01	1.56E+01
1308	490758.06	3859590.74	9.12231	1.22E+01	1.28E+01	1.40E+01
1309	490808.06	3859590.74	8.04653	1.08E+01	1.13E+01	1.23E+01
1310	490858.06	3859590.74	7.22077	9.66E+00	1.02E+01	1.11E+01
1311	490458.06	3859640.74	22.11706	2.96E+01	3.11E+01	3.39E+01
1312	490508.06	3859640.74	18.6628	2.50E+01	2.63E+01	2.86E+01
1313	490558.06	3859640.74	16.81317	2.25E+01	2.37E+01	2.57E+01
1314	490608.06	3859640.74	15.0484	2.01E+01	2.12E+01	2.30E+01
1315	490658.06	3859640.74	13.65728	1.83E+01	1.92E+01	2.09E+01
1316	490708.06	3859640.74	12.27124	1.64E+01	1.73E+01	1.88E+01
1317	490758.06	3859640.74	10.92871	1.46E+01	1.54E+01	1.67E+01
1318	490808.06	3859640.74	9.85663	1.32E+01	1.39E+01	1.51E+01
1319	490858.06	3859640.74	8.76848	1.17E+01	1.23E+01	1.34E+01

1320	490608.06	3859690.74	20.02086	2.68E+01	2.82E+01	3.07E+01
1321	490658.06	3859690.74	17.36546	2.32E+01	2.44E+01	2.66E+01
1322	490708.06	3859690.74	15.64574	2.09E+01	2.20E+01	2.40E+01
1323	490758.06	3859690.74	13.58144	1.82E+01	1.91E+01	2.08E+01
1324	490808.06	3859690.74	12.1401	1.62E+01	1.71E+01	1.86E+01
1325	490858.06	3859690.74	11.00425	1.47E+01	1.55E+01	1.68E+01
1326	490708.06	3859740.74	21.69791	2.90E+01	3.05E+01	3.32E+01
1327	490758.06	3859740.74	18.99499	2.54E+01	2.67E+01	2.91E+01
1328	490808.06	3859740.74	16.77421	2.25E+01	2.36E+01	2.57E+01
1329	490858.06	3859740.74	15.14775	2.03E+01	2.13E+01	2.32E+01
1330	490786.56	3859749.39	18.83333	2.52E+01	2.65E+01	2.88E+01
1331	490836.56	3859749.39	16.6408	2.23E+01	2.34E+01	2.55E+01
1332	490786.56	3859799.39	27.65104	3.70E+01	3.89E+01	4.23E+01
1333	490836.56	3859799.39	23.69136	3.17E+01	3.33E+01	3.63E+01
1334	492307.84	3854508.36	1.83099	2.45E+00	2.58E+00	2.80E+00
1335	486445.7	3854753.6	4.44345	5.95E+00	6.25E+00	6.80E+00
1336	472599.75	3877830.11	0.16028	2.15E-01	2.26E-01	2.45E-01
1337	493107.48	3866840.19	0.69784	9.34E-01	9.82E-01	1.07E+00
1338	495815.79	3861662.87	2.504	3.35E+00	3.52E+00	3.83E+00
1339	480272.33	3841389.2	0.09118	1.22E-01	1.28E-01	1.40E-01
1340	497005.18	3862813.64	1.79007	2.40E+00	2.52E+00	2.74E+00
1341	493677.33	3860302.55	4.1699	5.58E+00	5.87E+00	6.38E+00
1342	493727.33	3860302.55	4.09917	5.49E+00	5.77E+00	6.28E+00
1343	493777.33	3860302.55	4.02529	5.39E+00	5.66E+00	6.16E+00
1344	493827.33	3860302.55	3.97162	5.32E+00	5.59E+00	6.08E+00
1345	493877.33	3860302.55	3.89702	5.22E+00	5.48E+00	5.97E+00
1346	493927.33	3860302.55	3.8094	5.10E+00	5.36E+00	5.83E+00
1347	493977.33	3860302.55	3.76688	5.04E+00	5.30E+00	5.77E+00
1348	494027.33	3860302.55	3.69062	4.94E+00	5.19E+00	5.65E+00
1349	493677.33	3860352.55	4.19401	5.61E+00	5.90E+00	6.42E+00
1350	493727.33	3860352.55	4.0871	5.47E+00	5.75E+00	6.26E+00
1351	493777.33	3860352.55	3.99405	5.35E+00	5.62E+00	6.12E+00
1352	493827.33	3860352.55	3.9374	5.27E+00	5.54E+00	6.03E+00
1353	493877.33	3860352.55	3.89197	5.21E+00	5.48E+00	5.96E+00
1354	493927.33	3860352.55	3.90981	5.23E+00	5.50E+00	5.99E+00
1355	493977.33	3860352.55	3.83678	5.14E+00	5.40E+00	5.87E+00
1356	494027.33	3860352.55	3.79	5.07E+00	5.33E+00	5.80E+00
1357	493677.33	3860402.55	4.20952	5.63E+00	5.92E+00	6.45E+00
1358	493727.33	3860402.55	4.09774	5.48E+00	5.77E+00	6.27E+00
1359	493777.33	3860402.55	4.04789	5.42E+00	5.70E+00	6.20E+00
1360	493827.33	3860402.55	3.96194	5.30E+00	5.57E+00	6.07E+00
1361	493877.33	3860402.55	3.89792	5.22E+00	5.48E+00	5.97E+00
1362	493927.33	3860402.55	3.8777	5.19E+00	5.46E+00	5.94E+00
1363	493977.33	3860402.55	3.84416	5.15E+00	5.41E+00	5.89E+00
1364	494027.33	3860402.55	3.77298	5.05E+00	5.31E+00	5.78E+00
1365	493677.33	3860452.55	4.32928	5.79E+00	6.09E+00	6.63E+00
1366	493727.33	3860452.55	4.22445	5.65E+00	5.94E+00	6.47E+00
1367	493777.33	3860452.55	4.13369	5.53E+00	5.82E+00	6.33E+00
1368	493827.33	3860452.55	4.04971	5.42E+00	5.70E+00	6.20E+00
1369	493877.33	3860452.55	3.97464	5.32E+00	5.59E+00	6.09E+00
1370	493927.33	3860452.55	3.90544	5.23E+00	5.50E+00	5.98E+00
1371	493977.33	3860452.55	3.84725	5.15E+00	5.41E+00	5.89E+00
1372	494027.33	3860452.55	3.78436	5.07E+00	5.32E+00	5.79E+00
1373	493677.33	3860502.55	4.49073	6.01E+00	6.32E+00	6.88E+00
1374	493727.33	3860502.55	4.3848	5.87E+00	6.17E+00	6.71E+00
1375	493777.33	3860502.55	4.27092	5.72E+00	6.01E+00	6.54E+00
1376	493827.33	3860502.55	4.17379	5.59E+00	5.87E+00	6.39E+00
1377	493877.33	3860502.55	4.07854	5.46E+00	5.74E+00	6.25E+00
1378	493927.33	3860502.55	3.98459	5.33E+00	5.61E+00	6.10E+00
1379	493977.33	3860502.55	3.89929	5.22E+00	5.49E+00	5.97E+00
1380	494027.33	3860502.55	3.8286	5.12E+00	5.39E+00	5.86E+00
1381	493627.33	3860552.55	4.62705	6.19E+00	6.51E+00	7.08E+00
1382	493677.33	3860552.55	4.55849	6.10E+00	6.41E+00	6.98E+00

1383	493727.33	3860552.55	4.48801	6.01E+00	6.31E+00	6.87E+00
1384	493777.33	3860552.55	4.40301	5.89E+00	6.20E+00	6.74E+00
1385	493827.33	3860552.55	4.31736	5.78E+00	6.07E+00	6.61E+00
1386	493877.33	3860552.55	4.23604	5.67E+00	5.96E+00	6.49E+00
1387	493927.33	3860552.55	4.13736	5.54E+00	5.82E+00	6.34E+00
1388	493977.33	3860552.55	4.04212	5.41E+00	5.69E+00	6.19E+00
1389	494027.33	3860552.55	3.94036	5.27E+00	5.54E+00	6.03E+00
1390	493627.33	3860602.55	4.68132	6.27E+00	6.59E+00	7.17E+00
1391	493727.33	3860602.55	4.4902	6.01E+00	6.32E+00	6.88E+00
1392	493777.33	3860602.55	4.4127	5.91E+00	6.21E+00	6.76E+00
1393	493827.33	3860602.55	4.33122	5.80E+00	6.09E+00	6.63E+00
1394	493877.33	3860602.55	4.29512	5.75E+00	6.04E+00	6.58E+00
1395	493927.33	3860602.55	4.23319	5.67E+00	5.96E+00	6.48E+00
1396	493977.33	3860602.55	4.15113	5.56E+00	5.84E+00	6.36E+00
1397	494027.33	3860602.55	4.08383	5.47E+00	5.75E+00	6.25E+00
1398	493627.33	3860652.55	4.78821	6.41E+00	6.74E+00	7.33E+00
1399	493727.33	3860652.55	4.56216	6.11E+00	6.42E+00	6.99E+00
1400	493777.33	3860652.55	4.47429	5.99E+00	6.30E+00	6.85E+00
1401	493827.33	3860652.55	4.38242	5.87E+00	6.17E+00	6.71E+00
1402	493877.33	3860652.55	4.30065	5.76E+00	6.05E+00	6.59E+00
1403	493927.33	3860652.55	4.2209	5.65E+00	5.94E+00	6.46E+00
1404	493977.33	3860652.55	4.16519	5.57E+00	5.86E+00	6.38E+00
1405	494027.33	3860652.55	4.1075	5.50E+00	5.78E+00	6.29E+00
1406	494311.06	3858401.99	1.54237	2.06E+00	2.17E+00	2.36E+00
1407	494361.06	3858401.99	1.51304	2.03E+00	2.13E+00	2.32E+00
1408	494411.06	3858401.99	1.51002	2.02E+00	2.12E+00	2.31E+00
1409	494461.06	3858401.99	1.53276	2.05E+00	2.16E+00	2.35E+00
1410	494511.06	3858401.99	1.54295	2.07E+00	2.17E+00	2.36E+00
1411	494561.06	3858401.99	1.5004	2.01E+00	2.11E+00	2.30E+00
1412	494611.06	3858401.99	1.45363	1.95E+00	2.05E+00	2.23E+00
1413	494661.06	3858401.99	1.42444	1.91E+00	2.00E+00	2.18E+00
1414	494711.06	3858401.99	1.34581	1.80E+00	1.89E+00	2.06E+00
1415	494761.06	3858401.99	1.29908	1.74E+00	1.83E+00	1.99E+00
1416	494811.06	3858401.99	1.27059	1.70E+00	1.79E+00	1.95E+00
1417	494861.06	3858401.99	1.26033	1.69E+00	1.77E+00	1.93E+00
1418	494911.06	3858401.99	1.24592	1.67E+00	1.75E+00	1.91E+00
1419	494961.06	3858401.99	1.24102	1.66E+00	1.75E+00	1.90E+00
1420	495011.06	3858401.99	1.22772	1.64E+00	1.73E+00	1.88E+00
1421	495061.06	3858401.99	1.2276	1.64E+00	1.73E+00	1.88E+00
1422	495111.06	3858401.99	1.19464	1.60E+00	1.68E+00	1.83E+00
1423	495161.06	3858401.99	1.20522	1.61E+00	1.70E+00	1.85E+00
1424	495211.06	3858401.99	1.19009	1.59E+00	1.67E+00	1.82E+00
1425	495261.06	3858401.99	1.17534	1.57E+00	1.65E+00	1.80E+00
1426	495311.06	3858401.99	1.13375	1.52E+00	1.60E+00	1.74E+00
1427	495361.06	3858401.99	1.12079	1.50E+00	1.58E+00	1.72E+00
1428	495411.06	3858401.99	1.11925	1.50E+00	1.57E+00	1.71E+00
1429	495461.06	3858401.99	1.13061	1.51E+00	1.59E+00	1.73E+00
1430	495511.06	3858401.99	1.11682	1.49E+00	1.57E+00	1.71E+00
1431	495561.06	3858401.99	1.069	1.43E+00	1.50E+00	1.64E+00
1432	495611.06	3858401.99	1.02892	1.38E+00	1.45E+00	1.58E+00
1433	495661.06	3858401.99	1.02212	1.37E+00	1.44E+00	1.57E+00
1434	494311.06	3858451.99	1.56227	2.09E+00	2.20E+00	2.39E+00
1435	494361.06	3858451.99	1.60273	2.15E+00	2.26E+00	2.45E+00
1436	494411.06	3858451.99	1.56438	2.09E+00	2.20E+00	2.40E+00
1437	494461.06	3858451.99	1.5541	2.08E+00	2.19E+00	2.38E+00
1438	494511.06	3858451.99	1.56417	2.09E+00	2.20E+00	2.40E+00
1439	494561.06	3858451.99	1.56205	2.09E+00	2.20E+00	2.39E+00
1440	494611.06	3858451.99	1.58953	2.13E+00	2.24E+00	2.43E+00
1441	494661.06	3858451.99	1.52679	2.04E+00	2.15E+00	2.34E+00
1442	494711.06	3858451.99	1.47577	1.98E+00	2.08E+00	2.26E+00
1443	494761.06	3858451.99	1.43942	1.93E+00	2.03E+00	2.20E+00
1444	494811.06	3858451.99	1.36991	1.83E+00	1.93E+00	2.10E+00
1445	494861.06	3858451.99	1.31058	1.75E+00	1.84E+00	2.01E+00

1446	494911.06	3858451.99	1.27561	1.71E+00	1.79E+00	1.95E+00
1447	494961.06	3858451.99	1.25824	1.68E+00	1.77E+00	1.93E+00
1448	495011.06	3858451.99	1.23972	1.66E+00	1.74E+00	1.90E+00
1449	495061.06	3858451.99	1.24685	1.67E+00	1.75E+00	1.91E+00
1450	495111.06	3858451.99	1.22959	1.65E+00	1.73E+00	1.88E+00
1451	495161.06	3858451.99	1.21635	1.63E+00	1.71E+00	1.86E+00
1452	495211.06	3858451.99	1.19967	1.61E+00	1.69E+00	1.84E+00
1453	495261.06	3858451.99	1.19182	1.60E+00	1.68E+00	1.82E+00
1454	495311.06	3858451.99	1.20352	1.61E+00	1.69E+00	1.84E+00
1455	495361.06	3858451.99	1.19625	1.60E+00	1.68E+00	1.83E+00
1456	495411.06	3858451.99	1.1736	1.57E+00	1.65E+00	1.80E+00
1457	495461.06	3858451.99	1.15439	1.55E+00	1.62E+00	1.77E+00
1458	495511.06	3858451.99	1.15198	1.54E+00	1.62E+00	1.76E+00
1459	495561.06	3858451.99	1.16851	1.56E+00	1.64E+00	1.79E+00
1460	495611.06	3858451.99	1.14295	1.53E+00	1.61E+00	1.75E+00
1461	495661.06	3858451.99	1.12066	1.50E+00	1.58E+00	1.72E+00
1462	494311.06	3858501.99	1.51006	2.02E+00	2.12E+00	2.31E+00
1463	494361.06	3858501.99	1.52637	2.04E+00	2.15E+00	2.34E+00
1464	494411.06	3858501.99	1.57031	2.10E+00	2.21E+00	2.40E+00
1465	494461.06	3858501.99	1.61866	2.17E+00	2.28E+00	2.48E+00
1466	494511.06	3858501.99	1.57074	2.10E+00	2.21E+00	2.41E+00
1467	494561.06	3858501.99	1.58101	2.12E+00	2.22E+00	2.42E+00
1468	494611.06	3858501.99	1.59084	2.13E+00	2.24E+00	2.44E+00
1469	494661.06	3858501.99	1.5891	2.13E+00	2.24E+00	2.43E+00
1470	494711.06	3858501.99	1.61141	2.16E+00	2.27E+00	2.47E+00
1471	494761.06	3858501.99	1.53649	2.06E+00	2.16E+00	2.35E+00
1472	494811.06	3858501.99	1.48149	1.98E+00	2.08E+00	2.27E+00
1473	494861.06	3858501.99	1.45157	1.94E+00	2.04E+00	2.22E+00
1474	494911.06	3858501.99	1.36449	1.83E+00	1.92E+00	2.09E+00
1475	494961.06	3858501.99	1.30931	1.75E+00	1.84E+00	2.00E+00
1476	495011.06	3858501.99	1.26819	1.70E+00	1.78E+00	1.94E+00
1477	495061.06	3858501.99	1.25719	1.68E+00	1.77E+00	1.92E+00
1478	495111.06	3858501.99	1.23338	1.65E+00	1.74E+00	1.89E+00
1479	495161.06	3858501.99	1.22514	1.64E+00	1.72E+00	1.88E+00
1480	495211.06	3858501.99	1.20949	1.62E+00	1.70E+00	1.85E+00
1481	495261.06	3858501.99	1.21309	1.62E+00	1.71E+00	1.86E+00
1482	495311.06	3858501.99	1.22491	1.64E+00	1.72E+00	1.88E+00
1483	495361.06	3858501.99	1.23463	1.65E+00	1.74E+00	1.89E+00
1484	495411.06	3858501.99	1.24564	1.67E+00	1.75E+00	1.91E+00
1485	495461.06	3858501.99	1.2358	1.65E+00	1.74E+00	1.89E+00
1486	495511.06	3858501.99	1.2165	1.63E+00	1.71E+00	1.86E+00
1487	495561.06	3858501.99	1.20192	1.61E+00	1.69E+00	1.84E+00
1488	495611.06	3858501.99	1.19329	1.60E+00	1.68E+00	1.83E+00
1489	495661.06	3858501.99	1.20142	1.61E+00	1.69E+00	1.84E+00
1490	494311.06	3858551.99	1.47976	1.98E+00	2.08E+00	2.27E+00
1491	494361.06	3858551.99	1.50194	2.01E+00	2.11E+00	2.30E+00
1492	494411.06	3858551.99	1.52495	2.04E+00	2.15E+00	2.33E+00
1493	494461.06	3858551.99	1.56339	2.09E+00	2.20E+00	2.39E+00
1494	494511.06	3858551.99	1.61619	2.16E+00	2.27E+00	2.47E+00
1495	494561.06	3858551.99	1.65898	2.22E+00	2.33E+00	2.54E+00
1496	494611.06	3858551.99	1.61587	2.16E+00	2.27E+00	2.47E+00
1497	494661.06	3858551.99	1.60507	2.15E+00	2.26E+00	2.46E+00
1498	494711.06	3858551.99	1.6141	2.16E+00	2.27E+00	2.47E+00
1499	494761.06	3858551.99	1.59595	2.14E+00	2.25E+00	2.44E+00
1500	494811.06	3858551.99	1.62106	2.17E+00	2.28E+00	2.48E+00
1501	494861.06	3858551.99	1.54776	2.07E+00	2.18E+00	2.37E+00
1502	494911.06	3858551.99	1.48474	1.99E+00	2.09E+00	2.27E+00
1503	494961.06	3858551.99	1.44703	1.94E+00	2.04E+00	2.22E+00
1504	495011.06	3858551.99	1.36383	1.83E+00	1.92E+00	2.09E+00
1505	495061.06	3858551.99	1.30715	1.75E+00	1.84E+00	2.00E+00
1506	495111.06	3858551.99	1.25919	1.69E+00	1.77E+00	1.93E+00
1507	495161.06	3858551.99	1.24328	1.66E+00	1.75E+00	1.90E+00
1508	495211.06	3858551.99	1.22722	1.64E+00	1.73E+00	1.88E+00

1509	495261.06	3858551.99	1.23371	1.65E+00	1.74E+00	1.89E+00
1510	495311.06	3858551.99	1.23784	1.66E+00	1.74E+00	1.90E+00
1511	495361.06	3858551.99	1.24428	1.67E+00	1.75E+00	1.91E+00
1512	495411.06	3858551.99	1.27094	1.70E+00	1.79E+00	1.95E+00
1513	495461.06	3858551.99	1.29715	1.74E+00	1.83E+00	1.99E+00
1514	495511.06	3858551.99	1.30748	1.75E+00	1.84E+00	2.00E+00
1515	495561.06	3858551.99	1.28599	1.72E+00	1.81E+00	1.97E+00
1516	495611.06	3858551.99	1.26173	1.69E+00	1.78E+00	1.93E+00
1517	495661.06	3858551.99	1.23572	1.65E+00	1.74E+00	1.89E+00
1518	494311.06	3858601.99	1.36958	1.83E+00	1.93E+00	2.10E+00
1519	494361.06	3858601.99	1.47324	1.97E+00	2.07E+00	2.26E+00
1520	494411.06	3858601.99	1.55823	2.09E+00	2.19E+00	2.39E+00
1521	494461.06	3858601.99	1.54465	2.07E+00	2.17E+00	2.37E+00
1522	494511.06	3858601.99	1.55716	2.08E+00	2.19E+00	2.38E+00
1523	494561.06	3858601.99	1.61995	2.17E+00	2.28E+00	2.48E+00
1524	494611.06	3858601.99	1.65463	2.21E+00	2.33E+00	2.53E+00
1525	494661.06	3858601.99	1.69232	2.27E+00	2.38E+00	2.59E+00
1526	494711.06	3858601.99	1.62944	2.18E+00	2.29E+00	2.49E+00
1527	494761.06	3858601.99	1.61063	2.16E+00	2.27E+00	2.47E+00
1528	494811.06	3858601.99	1.60715	2.15E+00	2.26E+00	2.46E+00
1529	494861.06	3858601.99	1.59792	2.14E+00	2.25E+00	2.45E+00
1530	494911.06	3858601.99	1.60637	2.15E+00	2.26E+00	2.46E+00
1531	494961.06	3858601.99	1.53313	2.05E+00	2.16E+00	2.35E+00
1532	495011.06	3858601.99	1.47691	1.98E+00	2.08E+00	2.26E+00
1533	495061.06	3858601.99	1.43585	1.92E+00	2.02E+00	2.20E+00
1534	495111.06	3858601.99	1.34323	1.80E+00	1.89E+00	2.06E+00
1535	495161.06	3858601.99	1.28537	1.72E+00	1.81E+00	1.97E+00
1536	495211.06	3858601.99	1.25962	1.69E+00	1.77E+00	1.93E+00
1537	495261.06	3858601.99	1.2446	1.67E+00	1.75E+00	1.91E+00
1538	495311.06	3858601.99	1.24515	1.67E+00	1.75E+00	1.91E+00
1539	495361.06	3858601.99	1.26523	1.69E+00	1.78E+00	1.94E+00
1540	495411.06	3858601.99	1.28664	1.72E+00	1.81E+00	1.97E+00
1541	495461.06	3858601.99	1.2813	1.71E+00	1.80E+00	1.96E+00
1542	495511.06	3858601.99	1.30054	1.74E+00	1.83E+00	1.99E+00
1543	495561.06	3858601.99	1.33055	1.78E+00	1.87E+00	2.04E+00
1544	495611.06	3858601.99	1.33908	1.79E+00	1.88E+00	2.05E+00
1545	495661.06	3858601.99	1.31801	1.76E+00	1.85E+00	2.02E+00
1546	494311.06	3858651.99	1.45691	1.95E+00	2.05E+00	2.23E+00
1547	494361.06	3858651.99	1.50828	2.02E+00	2.12E+00	2.31E+00
1548	494411.06	3858651.99	1.57095	2.10E+00	2.21E+00	2.41E+00
1549	494461.06	3858651.99	1.58713	2.12E+00	2.23E+00	2.43E+00
1550	494511.06	3858651.99	1.57699	2.11E+00	2.22E+00	2.41E+00
1551	494561.06	3858651.99	1.57063	2.10E+00	2.21E+00	2.40E+00
1552	494611.06	3858651.99	1.60111	2.14E+00	2.25E+00	2.45E+00
1553	494661.06	3858651.99	1.6436	2.20E+00	2.31E+00	2.52E+00
1554	494711.06	3858651.99	1.67375	2.24E+00	2.36E+00	2.56E+00
1555	494761.06	3858651.99	1.69799	2.27E+00	2.39E+00	2.60E+00
1556	494811.06	3858651.99	1.62284	2.17E+00	2.28E+00	2.48E+00
1557	494861.06	3858651.99	1.60037	2.14E+00	2.25E+00	2.45E+00
1558	494911.06	3858651.99	1.59837	2.14E+00	2.25E+00	2.45E+00
1559	494961.06	3858651.99	1.58032	2.12E+00	2.22E+00	2.42E+00
1560	495011.06	3858651.99	1.59852	2.14E+00	2.25E+00	2.45E+00
1561	495061.06	3858651.99	1.52085	2.04E+00	2.14E+00	2.33E+00
1562	495111.06	3858651.99	1.45877	1.95E+00	2.05E+00	2.23E+00
1563	495161.06	3858651.99	1.42464	1.91E+00	2.00E+00	2.18E+00
1564	495211.06	3858651.99	1.34931	1.81E+00	1.90E+00	2.07E+00
1565	495261.06	3858651.99	1.30508	1.75E+00	1.84E+00	2.00E+00
1566	495311.06	3858651.99	1.2747	1.71E+00	1.79E+00	1.95E+00
1567	495361.06	3858651.99	1.26379	1.69E+00	1.78E+00	1.94E+00
1568	495411.06	3858651.99	1.29141	1.73E+00	1.82E+00	1.98E+00
1569	495461.06	3858651.99	1.31753	1.76E+00	1.85E+00	2.02E+00
1570	495511.06	3858651.99	1.33817	1.79E+00	1.88E+00	2.05E+00
1571	495561.06	3858651.99	1.31504	1.76E+00	1.85E+00	2.01E+00

1572	495611.06	3858651.99	1.32789	1.78E+00	1.87E+00	2.03E+00
1573	495661.06	3858651.99	1.35459	1.81E+00	1.91E+00	2.07E+00
1574	494311.06	3858701.99	1.55925	2.09E+00	2.19E+00	2.39E+00
1575	494361.06	3858701.99	1.67179	2.24E+00	2.35E+00	2.56E+00
1576	494411.06	3858701.99	1.70222	2.28E+00	2.40E+00	2.61E+00
1577	494461.06	3858701.99	1.63205	2.18E+00	2.30E+00	2.50E+00
1578	494511.06	3858701.99	1.61933	2.17E+00	2.28E+00	2.48E+00
1579	494561.06	3858701.99	1.60282	2.15E+00	2.26E+00	2.45E+00
1580	494611.06	3858701.99	1.57622	2.11E+00	2.22E+00	2.41E+00
1581	494661.06	3858701.99	1.58189	2.12E+00	2.23E+00	2.42E+00
1582	494711.06	3858701.99	1.55675	2.08E+00	2.19E+00	2.38E+00
1583	494761.06	3858701.99	1.63459	2.19E+00	2.30E+00	2.50E+00
1584	494811.06	3858701.99	1.65736	2.22E+00	2.33E+00	2.54E+00
1585	494861.06	3858701.99	1.67456	2.24E+00	2.36E+00	2.56E+00
1586	494911.06	3858701.99	1.60796	2.15E+00	2.26E+00	2.46E+00
1587	494961.06	3858701.99	1.57006	2.10E+00	2.21E+00	2.40E+00
1588	495011.06	3858701.99	1.56846	2.10E+00	2.21E+00	2.40E+00
1589	495061.06	3858701.99	1.57416	2.11E+00	2.21E+00	2.41E+00
1590	495111.06	3858701.99	1.5779	2.11E+00	2.22E+00	2.42E+00
1591	495161.06	3858701.99	1.51123	2.02E+00	2.13E+00	2.31E+00
1592	495211.06	3858701.99	1.45924	1.95E+00	2.05E+00	2.23E+00
1593	495261.06	3858701.99	1.43998	1.93E+00	2.03E+00	2.20E+00
1594	495311.06	3858701.99	1.38372	1.85E+00	1.95E+00	2.12E+00
1595	495361.06	3858701.99	1.33412	1.79E+00	1.88E+00	2.04E+00
1596	495411.06	3858701.99	1.31517	1.76E+00	1.85E+00	2.01E+00
1597	495461.06	3858701.99	1.31081	1.75E+00	1.84E+00	2.01E+00
1598	495511.06	3858701.99	1.32989	1.78E+00	1.87E+00	2.04E+00
1599	495561.06	3858701.99	1.34878	1.81E+00	1.90E+00	2.07E+00
1600	495611.06	3858701.99	1.36395	1.83E+00	1.92E+00	2.09E+00
1601	495661.06	3858701.99	1.34376	1.80E+00	1.89E+00	2.06E+00
1602	494311.06	3858751.99	1.62459	2.17E+00	2.29E+00	2.49E+00
1603	494361.06	3858751.99	1.71969	2.30E+00	2.42E+00	2.63E+00
1604	494411.06	3858751.99	1.75485	2.35E+00	2.47E+00	2.69E+00
1605	494461.06	3858751.99	1.76893	2.37E+00	2.49E+00	2.71E+00
1606	494511.06	3858751.99	1.73683	2.32E+00	2.44E+00	2.66E+00
1607	494561.06	3858751.99	1.65554	2.22E+00	2.33E+00	2.53E+00
1608	494611.06	3858751.99	1.63491	2.19E+00	2.30E+00	2.50E+00
1609	494661.06	3858751.99	1.60095	2.14E+00	2.25E+00	2.45E+00
1610	494711.06	3858751.99	1.57358	2.11E+00	2.21E+00	2.41E+00
1611	494761.06	3858751.99	1.57267	2.10E+00	2.21E+00	2.41E+00
1612	494811.06	3858751.99	1.58709	2.12E+00	2.23E+00	2.43E+00
1613	494861.06	3858751.99	1.61586	2.16E+00	2.27E+00	2.47E+00
1614	494911.06	3858751.99	1.6325	2.18E+00	2.30E+00	2.50E+00
1615	494961.06	3858751.99	1.65008	2.21E+00	2.32E+00	2.53E+00
1616	495011.06	3858751.99	1.58847	2.13E+00	2.24E+00	2.43E+00
1617	495061.06	3858751.99	1.5734	2.11E+00	2.21E+00	2.41E+00
1618	495111.06	3858751.99	1.56787	2.10E+00	2.21E+00	2.40E+00
1619	495161.06	3858751.99	1.5695	2.10E+00	2.21E+00	2.40E+00
1620	495211.06	3858751.99	1.58475	2.12E+00	2.23E+00	2.43E+00
1621	495261.06	3858751.99	1.53107	2.05E+00	2.15E+00	2.34E+00
1622	495311.06	3858751.99	1.49593	2.00E+00	2.10E+00	2.29E+00
1623	495361.06	3858751.99	1.46947	1.97E+00	2.07E+00	2.25E+00
1624	495411.06	3858751.99	1.41714	1.90E+00	1.99E+00	2.17E+00
1625	495461.06	3858751.99	1.37449	1.84E+00	1.93E+00	2.10E+00
1626	495511.06	3858751.99	1.35002	1.81E+00	1.90E+00	2.07E+00
1627	495561.06	3858751.99	1.34758	1.80E+00	1.90E+00	2.06E+00
1628	495611.06	3858751.99	1.35554	1.81E+00	1.91E+00	2.08E+00
1629	495661.06	3858751.99	1.38798	1.86E+00	1.95E+00	2.13E+00
1630	494311.06	3858801.99	1.72154	2.30E+00	2.42E+00	2.64E+00
1631	494361.06	3858801.99	1.78035	2.38E+00	2.51E+00	2.73E+00
1632	494411.06	3858801.99	1.80058	2.41E+00	2.53E+00	2.76E+00
1633	494461.06	3858801.99	1.77881	2.38E+00	2.50E+00	2.72E+00
1634	494511.06	3858801.99	1.79188	2.40E+00	2.52E+00	2.74E+00

1635	494561.06	3858801.99	1.80587	2.42E+00	2.54E+00	2.77E+00
1636	494611.06	3858801.99	1.7484	2.34E+00	2.46E+00	2.68E+00
1637	494661.06	3858801.99	1.67442	2.24E+00	2.36E+00	2.56E+00
1638	494711.06	3858801.99	1.64818	2.21E+00	2.32E+00	2.52E+00
1639	494761.06	3858801.99	1.58583	2.12E+00	2.23E+00	2.43E+00
1640	494811.06	3858801.99	1.55714	2.08E+00	2.19E+00	2.38E+00
1641	494861.06	3858801.99	1.55005	2.07E+00	2.18E+00	2.37E+00
1642	494911.06	3858801.99	1.5685	2.10E+00	2.21E+00	2.40E+00
1643	494961.06	3858801.99	1.60277	2.15E+00	2.26E+00	2.45E+00
1644	495011.06	3858801.99	1.6291	2.18E+00	2.29E+00	2.49E+00
1645	495061.06	3858801.99	1.65184	2.21E+00	2.32E+00	2.53E+00
1646	495111.06	3858801.99	1.57143	2.10E+00	2.21E+00	2.41E+00
1647	495161.06	3858801.99	1.55917	2.09E+00	2.19E+00	2.39E+00
1648	495211.06	3858801.99	1.56988	2.10E+00	2.21E+00	2.40E+00
1649	495261.06	3858801.99	1.58443	2.12E+00	2.23E+00	2.43E+00
1650	495311.06	3858801.99	1.61921	2.17E+00	2.28E+00	2.48E+00
1651	495361.06	3858801.99	1.57026	2.10E+00	2.21E+00	2.40E+00
1652	495411.06	3858801.99	1.54737	2.07E+00	2.18E+00	2.37E+00
1653	495461.06	3858801.99	1.50594	2.02E+00	2.12E+00	2.31E+00
1654	495511.06	3858801.99	1.44037	1.93E+00	2.03E+00	2.21E+00
1655	495561.06	3858801.99	1.4024	1.88E+00	1.97E+00	2.15E+00
1656	495611.06	3858801.99	1.37599	1.84E+00	1.94E+00	2.11E+00
1657	495661.06	3858801.99	1.38496	1.85E+00	1.95E+00	2.12E+00
1658	494311.06	3858851.99	1.82255	2.44E+00	2.56E+00	2.79E+00
1659	494361.06	3858851.99	1.86624	2.50E+00	2.63E+00	2.86E+00
1660	494411.06	3858851.99	1.84356	2.47E+00	2.59E+00	2.82E+00
1661	494461.06	3858851.99	1.82847	2.45E+00	2.57E+00	2.80E+00
1662	494511.06	3858851.99	1.83031	2.45E+00	2.58E+00	2.80E+00
1663	494561.06	3858851.99	1.79695	2.41E+00	2.53E+00	2.75E+00
1664	494611.06	3858851.99	1.80075	2.41E+00	2.53E+00	2.76E+00
1665	494661.06	3858851.99	1.79661	2.40E+00	2.53E+00	2.75E+00
1666	494711.06	3858851.99	1.71081	2.29E+00	2.41E+00	2.62E+00
1667	494761.06	3858851.99	1.63482	2.19E+00	2.30E+00	2.50E+00
1668	494811.06	3858851.99	1.61027	2.16E+00	2.27E+00	2.47E+00
1669	494861.06	3858851.99	1.5685	2.10E+00	2.21E+00	2.40E+00
1670	494911.06	3858851.99	1.54755	2.07E+00	2.18E+00	2.37E+00
1671	494961.06	3858851.99	1.5412	2.06E+00	2.17E+00	2.36E+00
1672	495011.06	3858851.99	1.57297	2.11E+00	2.21E+00	2.41E+00
1673	495061.06	3858851.99	1.60719	2.15E+00	2.26E+00	2.46E+00
1674	495111.06	3858851.99	1.60909	2.15E+00	2.26E+00	2.46E+00
1675	495161.06	3858851.99	1.62143	2.17E+00	2.28E+00	2.48E+00
1676	495211.06	3858851.99	1.57816	2.11E+00	2.22E+00	2.42E+00
1677	495261.06	3858851.99	1.58528	2.12E+00	2.23E+00	2.43E+00
1678	495311.06	3858851.99	1.61276	2.16E+00	2.27E+00	2.47E+00
1679	495361.06	3858851.99	1.62505	2.18E+00	2.29E+00	2.49E+00
1680	495411.06	3858851.99	1.65093	2.21E+00	2.32E+00	2.53E+00
1681	495461.06	3858851.99	1.61587	2.16E+00	2.27E+00	2.47E+00
1682	495511.06	3858851.99	1.58187	2.12E+00	2.23E+00	2.42E+00
1683	495561.06	3858851.99	1.52058	2.04E+00	2.14E+00	2.33E+00
1684	495611.06	3858851.99	1.44714	1.94E+00	2.04E+00	2.22E+00
1685	495661.06	3858851.99	1.42108	1.90E+00	2.00E+00	2.18E+00
1686	494311.06	3858901.99	1.86036	2.49E+00	2.62E+00	2.85E+00
1687	494361.06	3858901.99	1.88366	2.52E+00	2.65E+00	2.88E+00
1688	494411.06	3858901.99	1.90019	2.54E+00	2.67E+00	2.91E+00
1689	494461.06	3858901.99	1.88611	2.52E+00	2.65E+00	2.89E+00
1690	494511.06	3858901.99	1.86203	2.49E+00	2.62E+00	2.85E+00
1691	494561.06	3858901.99	1.8402	2.46E+00	2.59E+00	2.82E+00
1692	494611.06	3858901.99	1.82682	2.45E+00	2.57E+00	2.80E+00
1693	494661.06	3858901.99	1.78482	2.39E+00	2.51E+00	2.73E+00
1694	494711.06	3858901.99	1.7804	2.38E+00	2.51E+00	2.73E+00
1695	494761.06	3858901.99	1.75792	2.35E+00	2.47E+00	2.69E+00
1696	494811.06	3858901.99	1.67746	2.25E+00	2.36E+00	2.57E+00
1697	494861.06	3858901.99	1.62909	2.18E+00	2.29E+00	2.49E+00

1698	494911.06	3858901.99	1.59338	2.13E+00	2.24E+00	2.44E+00
1699	494961.06	3858901.99	1.55529	2.08E+00	2.19E+00	2.38E+00
1700	495011.06	3858901.99	1.53553	2.06E+00	2.16E+00	2.35E+00
1701	495061.06	3858901.99	1.52404	2.04E+00	2.14E+00	2.33E+00
1702	495111.06	3858901.99	1.53045	2.05E+00	2.15E+00	2.34E+00
1703	495161.06	3858901.99	1.57417	2.11E+00	2.21E+00	2.41E+00
1704	495211.06	3858901.99	1.64412	2.20E+00	2.31E+00	2.52E+00
1705	495261.06	3858901.99	1.66375	2.23E+00	2.34E+00	2.55E+00
1706	495311.06	3858901.99	1.60869	2.15E+00	2.26E+00	2.46E+00
1707	495361.06	3858901.99	1.61534	2.16E+00	2.27E+00	2.47E+00
1708	495411.06	3858901.99	1.6476	2.21E+00	2.32E+00	2.52E+00
1709	495461.06	3858901.99	1.65014	2.21E+00	2.32E+00	2.53E+00
1710	495511.06	3858901.99	1.66669	2.23E+00	2.35E+00	2.55E+00
1711	495561.06	3858901.99	1.6306	2.18E+00	2.29E+00	2.50E+00
1712	495611.06	3858901.99	1.58272	2.12E+00	2.23E+00	2.42E+00
1713	495661.06	3858901.99	1.54445	2.07E+00	2.17E+00	2.36E+00
1714	494311.06	3858951.99	1.9602	2.62E+00	2.76E+00	3.00E+00
1715	494361.06	3858951.99	1.93216	2.59E+00	2.72E+00	2.96E+00
1716	494411.06	3858951.99	1.88819	2.53E+00	2.66E+00	2.89E+00
1717	494461.06	3858951.99	1.91318	2.56E+00	2.69E+00	2.93E+00
1718	494511.06	3858951.99	1.91891	2.57E+00	2.70E+00	2.94E+00
1719	494561.06	3858951.99	1.88325	2.52E+00	2.65E+00	2.88E+00
1720	494611.06	3858951.99	1.84746	2.47E+00	2.60E+00	2.83E+00
1721	494661.06	3858951.99	1.82134	2.44E+00	2.56E+00	2.79E+00
1722	494711.06	3858951.99	1.80293	2.41E+00	2.54E+00	2.76E+00
1723	494761.06	3858951.99	1.7566	2.35E+00	2.47E+00	2.69E+00
1724	494811.06	3858951.99	1.76275	2.36E+00	2.48E+00	2.70E+00
1725	494861.06	3858951.99	1.74853	2.34E+00	2.46E+00	2.68E+00
1726	494911.06	3858951.99	1.66118	2.22E+00	2.34E+00	2.54E+00
1727	494961.06	3858951.99	1.6217	2.17E+00	2.28E+00	2.48E+00
1728	495011.06	3858951.99	1.58097	2.12E+00	2.22E+00	2.42E+00
1729	495061.06	3858951.99	1.53482	2.05E+00	2.16E+00	2.35E+00
1730	495111.06	3858951.99	1.49387	2.00E+00	2.10E+00	2.29E+00
1731	495161.06	3858951.99	1.52293	2.04E+00	2.14E+00	2.33E+00
1732	495211.06	3858951.99	1.5779	2.11E+00	2.22E+00	2.42E+00
1733	495261.06	3858951.99	1.6348	2.19E+00	2.30E+00	2.50E+00
1734	495311.06	3858951.99	1.67515	2.24E+00	2.36E+00	2.56E+00
1735	495361.06	3858951.99	1.68335	2.25E+00	2.37E+00	2.58E+00
1736	495411.06	3858951.99	1.63746	2.19E+00	2.30E+00	2.51E+00
1737	495461.06	3858951.99	1.64118	2.20E+00	2.31E+00	2.51E+00
1738	495511.06	3858951.99	1.6684	2.23E+00	2.35E+00	2.55E+00
1739	495561.06	3858951.99	1.66129	2.22E+00	2.34E+00	2.54E+00
1740	495611.06	3858951.99	1.67579	2.24E+00	2.36E+00	2.57E+00
1741	495661.06	3858951.99	1.6639	2.23E+00	2.34E+00	2.55E+00
1742	494311.06	3859001.99	1.98731	2.66E+00	2.80E+00	3.04E+00
1743	494361.06	3859001.99	1.99254	2.67E+00	2.80E+00	3.05E+00
1744	494411.06	3859001.99	1.96843	2.63E+00	2.77E+00	3.01E+00
1745	494461.06	3859001.99	1.92904	2.58E+00	2.71E+00	2.95E+00
1746	494511.06	3859001.99	1.8937	2.53E+00	2.66E+00	2.90E+00
1747	494561.06	3859001.99	1.90948	2.56E+00	2.69E+00	2.92E+00
1748	494611.06	3859001.99	1.8998	2.54E+00	2.67E+00	2.91E+00
1749	494661.06	3859001.99	1.86358	2.49E+00	2.62E+00	2.85E+00
1750	494711.06	3859001.99	1.82145	2.44E+00	2.56E+00	2.79E+00
1751	494761.06	3859001.99	1.80006	2.41E+00	2.53E+00	2.76E+00
1752	494811.06	3859001.99	1.79222	2.40E+00	2.52E+00	2.74E+00
1753	494861.06	3859001.99	1.75523	2.35E+00	2.47E+00	2.69E+00
1754	494911.06	3859001.99	1.75463	2.35E+00	2.47E+00	2.69E+00
1755	494961.06	3859001.99	1.72681	2.31E+00	2.43E+00	2.64E+00
1756	495011.06	3859001.99	1.59896	2.14E+00	2.25E+00	2.45E+00
1757	495061.06	3859001.99	1.54851	2.07E+00	2.18E+00	2.37E+00
1758	495111.06	3859001.99	1.52363	2.04E+00	2.14E+00	2.33E+00
1759	495161.06	3859001.99	1.53847	2.06E+00	2.16E+00	2.36E+00
1760	495211.06	3859001.99	1.53537	2.05E+00	2.16E+00	2.35E+00

1761	495261.06	3859001.99	1.56739	2.10E+00	2.21E+00	2.40E+00
1762	495311.06	3859001.99	1.61264	2.16E+00	2.27E+00	2.47E+00
1763	495361.06	3859001.99	1.6793	2.25E+00	2.36E+00	2.57E+00
1764	495411.06	3859001.99	1.72013	2.30E+00	2.42E+00	2.63E+00
1765	495461.06	3859001.99	1.71009	2.29E+00	2.41E+00	2.62E+00
1766	495511.06	3859001.99	1.64821	2.21E+00	2.32E+00	2.52E+00
1767	495561.06	3859001.99	1.65071	2.21E+00	2.32E+00	2.53E+00
1768	495611.06	3859001.99	1.66691	2.23E+00	2.35E+00	2.55E+00
1769	495661.06	3859001.99	1.68725	2.26E+00	2.37E+00	2.58E+00
1770	494311.06	3859051.99	1.97	2.64E+00	2.77E+00	3.02E+00
1771	494361.06	3859051.99	1.97676	2.65E+00	2.78E+00	3.03E+00
1772	494411.06	3859051.99	1.99922	2.68E+00	2.81E+00	3.06E+00
1773	494461.06	3859051.99	1.99282	2.67E+00	2.80E+00	3.05E+00
1774	494511.06	3859051.99	1.9506	2.61E+00	2.74E+00	2.99E+00
1775	494561.06	3859051.99	1.91037	2.56E+00	2.69E+00	2.93E+00
1776	494611.06	3859051.99	1.87934	2.52E+00	2.64E+00	2.88E+00
1777	494661.06	3859051.99	1.89602	2.54E+00	2.67E+00	2.90E+00
1778	494711.06	3859051.99	1.87242	2.51E+00	2.63E+00	2.87E+00
1779	494761.06	3859051.99	1.84529	2.47E+00	2.60E+00	2.83E+00
1780	494811.06	3859051.99	1.81144	2.42E+00	2.55E+00	2.77E+00
1781	494861.06	3859051.99	1.79289	2.40E+00	2.52E+00	2.75E+00
1782	494911.06	3859051.99	1.76997	2.37E+00	2.49E+00	2.71E+00
1783	494961.06	3859051.99	1.72006	2.30E+00	2.42E+00	2.63E+00
1784	495011.06	3859051.99	1.70697	2.28E+00	2.40E+00	2.61E+00
1785	495061.06	3859051.99	1.67717	2.24E+00	2.36E+00	2.57E+00
1786	495111.06	3859051.99	1.60261	2.14E+00	2.25E+00	2.45E+00
1787	495161.06	3859051.99	1.59589	2.14E+00	2.25E+00	2.44E+00
1788	495211.06	3859051.99	1.57813	2.11E+00	2.22E+00	2.42E+00
1789	495261.06	3859051.99	1.55258	2.08E+00	2.18E+00	2.38E+00
1790	495311.06	3859051.99	1.56339	2.09E+00	2.20E+00	2.39E+00
1791	495361.06	3859051.99	1.61133	2.16E+00	2.27E+00	2.47E+00
1792	495411.06	3859051.99	1.66127	2.22E+00	2.34E+00	2.54E+00
1793	495461.06	3859051.99	1.73321	2.32E+00	2.44E+00	2.65E+00
1794	495511.06	3859051.99	1.74239	2.33E+00	2.45E+00	2.67E+00
1795	495561.06	3859051.99	1.71118	2.29E+00	2.41E+00	2.62E+00
1796	495611.06	3859051.99	1.65796	2.22E+00	2.33E+00	2.54E+00
1797	495661.06	3859051.99	1.67769	2.25E+00	2.36E+00	2.57E+00
1798	494311.06	3859101.99	1.91627	2.56E+00	2.70E+00	2.93E+00
1799	494361.06	3859101.99	1.94501	2.60E+00	2.74E+00	2.98E+00
1800	494411.06	3859101.99	1.96661	2.63E+00	2.77E+00	3.01E+00
1801	494461.06	3859101.99	1.96921	2.64E+00	2.77E+00	3.02E+00
1802	494511.06	3859101.99	1.98922	2.66E+00	2.80E+00	3.05E+00
1803	494561.06	3859101.99	1.97428	2.64E+00	2.78E+00	3.02E+00
1804	494611.06	3859101.99	1.92933	2.58E+00	2.71E+00	2.95E+00
1805	494661.06	3859101.99	1.88676	2.53E+00	2.65E+00	2.89E+00
1806	494711.06	3859101.99	1.86227	2.49E+00	2.62E+00	2.85E+00
1807	494761.06	3859101.99	1.88497	2.52E+00	2.65E+00	2.89E+00
1808	494811.06	3859101.99	1.85611	2.48E+00	2.61E+00	2.84E+00
1809	494861.06	3859101.99	1.83231	2.45E+00	2.58E+00	2.81E+00
1810	494911.06	3859101.99	1.7938	2.40E+00	2.52E+00	2.75E+00
1811	494961.06	3859101.99	1.76284	2.36E+00	2.48E+00	2.70E+00
1812	495011.06	3859101.99	1.70943	2.29E+00	2.41E+00	2.62E+00
1813	495061.06	3859101.99	1.70228	2.28E+00	2.40E+00	2.61E+00
1814	495111.06	3859101.99	1.70706	2.28E+00	2.40E+00	2.61E+00
1815	495161.06	3859101.99	1.69755	2.27E+00	2.39E+00	2.60E+00
1816	495211.06	3859101.99	1.61924	2.17E+00	2.28E+00	2.48E+00
1817	495261.06	3859101.99	1.62428	2.17E+00	2.29E+00	2.49E+00
1818	495311.06	3859101.99	1.603	2.15E+00	2.26E+00	2.45E+00
1819	495361.06	3859101.99	1.57648	2.11E+00	2.22E+00	2.41E+00
1820	495411.06	3859101.99	1.61898	2.17E+00	2.28E+00	2.48E+00
1821	495461.06	3859101.99	1.64934	2.21E+00	2.32E+00	2.53E+00
1822	495511.06	3859101.99	1.69831	2.27E+00	2.39E+00	2.60E+00
1823	495561.06	3859101.99	1.75274	2.35E+00	2.47E+00	2.68E+00

1824	495611.06	3859101.99	1.75615	2.35E+00	2.47E+00	2.69E+00
1825	495661.06	3859101.99	1.7245	2.31E+00	2.43E+00	2.64E+00
1826	494311.06	3859151.99	1.94808	2.61E+00	2.74E+00	2.98E+00
1827	494361.06	3859151.99	1.91744	2.57E+00	2.70E+00	2.94E+00
1828	494411.06	3859151.99	1.90736	2.55E+00	2.68E+00	2.92E+00
1829	494461.06	3859151.99	1.93606	2.59E+00	2.72E+00	2.96E+00
1830	494511.06	3859151.99	1.95091	2.61E+00	2.75E+00	2.99E+00
1831	494561.06	3859151.99	1.95637	2.62E+00	2.75E+00	3.00E+00
1832	494611.06	3859151.99	1.97514	2.64E+00	2.78E+00	3.02E+00
1833	494661.06	3859151.99	1.95291	2.61E+00	2.75E+00	2.99E+00
1834	494711.06	3859151.99	1.91144	2.56E+00	2.69E+00	2.93E+00
1835	494761.06	3859151.99	1.86356	2.49E+00	2.62E+00	2.85E+00
1836	494811.06	3859151.99	1.85772	2.49E+00	2.61E+00	2.84E+00
1837	494861.06	3859151.99	1.8737	2.51E+00	2.64E+00	2.87E+00
1838	494911.06	3859151.99	1.83512	2.46E+00	2.58E+00	2.81E+00
1839	494961.06	3859151.99	1.79487	2.40E+00	2.53E+00	2.75E+00
1840	495011.06	3859151.99	1.746	2.34E+00	2.46E+00	2.67E+00
1841	495061.06	3859151.99	1.74641	2.34E+00	2.46E+00	2.67E+00
1842	495111.06	3859151.99	1.72205	2.30E+00	2.42E+00	2.64E+00
1843	495161.06	3859151.99	1.72838	2.31E+00	2.43E+00	2.65E+00
1844	495211.06	3859151.99	1.74153	2.33E+00	2.45E+00	2.67E+00
1845	495261.06	3859151.99	1.70606	2.28E+00	2.40E+00	2.61E+00
1846	495311.06	3859151.99	1.64295	2.20E+00	2.31E+00	2.52E+00
1847	495361.06	3859151.99	1.64485	2.20E+00	2.31E+00	2.52E+00
1848	495411.06	3859151.99	1.63798	2.19E+00	2.30E+00	2.51E+00
1849	495461.06	3859151.99	1.61453	2.16E+00	2.27E+00	2.47E+00
1850	495511.06	3859151.99	1.64966	2.21E+00	2.32E+00	2.53E+00
1851	495561.06	3859151.99	1.67555	2.24E+00	2.36E+00	2.57E+00
1852	495611.06	3859151.99	1.72465	2.31E+00	2.43E+00	2.64E+00
1853	495661.06	3859151.99	1.77911	2.38E+00	2.50E+00	2.72E+00
1854	494311.06	3859201.99	1.88009	2.52E+00	2.65E+00	2.88E+00
1855	494361.06	3859201.99	1.89181	2.53E+00	2.66E+00	2.90E+00
1856	494411.06	3859201.99	1.90838	2.55E+00	2.69E+00	2.92E+00
1857	494461.06	3859201.99	1.89147	2.53E+00	2.66E+00	2.90E+00
1858	494511.06	3859201.99	1.89606	2.54E+00	2.67E+00	2.90E+00
1859	494561.06	3859201.99	1.92356	2.57E+00	2.71E+00	2.95E+00
1860	494611.06	3859201.99	1.93568	2.59E+00	2.72E+00	2.96E+00
1861	494661.06	3859201.99	1.94429	2.60E+00	2.74E+00	2.98E+00
1862	494711.06	3859201.99	1.96288	2.63E+00	2.76E+00	3.01E+00
1863	494761.06	3859201.99	1.9311	2.58E+00	2.72E+00	2.96E+00
1864	494811.06	3859201.99	1.88875	2.53E+00	2.66E+00	2.89E+00
1865	494861.06	3859201.99	1.83662	2.46E+00	2.58E+00	2.81E+00
1866	494911.06	3859201.99	1.83852	2.46E+00	2.59E+00	2.82E+00
1867	494961.06	3859201.99	1.82985	2.45E+00	2.57E+00	2.80E+00
1868	495011.06	3859201.99	1.78531	2.39E+00	2.51E+00	2.73E+00
1869	495061.06	3859201.99	1.77599	2.38E+00	2.50E+00	2.72E+00
1870	495111.06	3859201.99	1.76106	2.36E+00	2.48E+00	2.70E+00
1871	495161.06	3859201.99	1.76077	2.36E+00	2.48E+00	2.70E+00
1872	495211.06	3859201.99	1.73567	2.32E+00	2.44E+00	2.66E+00
1873	495261.06	3859201.99	1.74329	2.33E+00	2.45E+00	2.67E+00
1874	495311.06	3859201.99	1.75564	2.35E+00	2.47E+00	2.69E+00
1875	495361.06	3859201.99	1.71347	2.29E+00	2.41E+00	2.62E+00
1876	495411.06	3859201.99	1.68638	2.26E+00	2.37E+00	2.58E+00
1877	495461.06	3859201.99	1.67821	2.25E+00	2.36E+00	2.57E+00
1878	495511.06	3859201.99	1.65466	2.21E+00	2.33E+00	2.53E+00
1879	495561.06	3859201.99	1.62691	2.18E+00	2.29E+00	2.49E+00
1880	495611.06	3859201.99	1.66717	2.23E+00	2.35E+00	2.55E+00
1881	495661.06	3859201.99	1.69889	2.27E+00	2.39E+00	2.60E+00
1882	494311.06	3859251.99	1.93066	2.58E+00	2.72E+00	2.96E+00
1883	494361.06	3859251.99	1.8967	2.54E+00	2.67E+00	2.90E+00
1884	494411.06	3859251.99	1.85801	2.49E+00	2.61E+00	2.84E+00
1885	494461.06	3859251.99	1.87956	2.52E+00	2.64E+00	2.88E+00
1886	494511.06	3859251.99	1.89378	2.53E+00	2.66E+00	2.90E+00

1887	494561.06	3859251.99	1.86828	2.50E+00	2.63E+00	2.86E+00
1888	494611.06	3859251.99	1.88766	2.53E+00	2.66E+00	2.89E+00
1889	494661.06	3859251.99	1.90948	2.56E+00	2.69E+00	2.92E+00
1890	494711.06	3859251.99	1.92065	2.57E+00	2.70E+00	2.94E+00
1891	494761.06	3859251.99	1.93039	2.58E+00	2.72E+00	2.96E+00
1892	494811.06	3859251.99	1.9407	2.60E+00	2.73E+00	2.97E+00
1893	494861.06	3859251.99	1.90252	2.55E+00	2.68E+00	2.91E+00
1894	494911.06	3859251.99	1.85933	2.49E+00	2.62E+00	2.85E+00
1895	494961.06	3859251.99	1.8148	2.43E+00	2.55E+00	2.78E+00
1896	495011.06	3859251.99	1.8222	2.44E+00	2.56E+00	2.79E+00
1897	495061.06	3859251.99	1.8336	2.45E+00	2.58E+00	2.81E+00
1898	495111.06	3859251.99	1.80461	2.42E+00	2.54E+00	2.76E+00
1899	495161.06	3859251.99	1.78158	2.38E+00	2.51E+00	2.73E+00
1900	495211.06	3859251.99	1.76535	2.36E+00	2.48E+00	2.70E+00
1901	495261.06	3859251.99	1.76901	2.37E+00	2.49E+00	2.71E+00
1902	495311.06	3859251.99	1.7572	2.35E+00	2.47E+00	2.69E+00
1903	495361.06	3859251.99	1.75987	2.36E+00	2.48E+00	2.69E+00
1904	495411.06	3859251.99	1.76865	2.37E+00	2.49E+00	2.71E+00
1905	495461.06	3859251.99	1.71769	2.30E+00	2.42E+00	2.63E+00
1906	495511.06	3859251.99	1.70224	2.28E+00	2.40E+00	2.61E+00
1907	495561.06	3859251.99	1.68089	2.25E+00	2.37E+00	2.57E+00
1908	495611.06	3859251.99	1.64986	2.21E+00	2.32E+00	2.53E+00
1909	495661.06	3859251.99	1.63952	2.19E+00	2.31E+00	2.51E+00
1910	494311.06	3859301.99	1.88169	2.52E+00	2.65E+00	2.88E+00
1911	494361.06	3859301.99	1.90496	2.55E+00	2.68E+00	2.92E+00
1912	494411.06	3859301.99	1.90927	2.56E+00	2.69E+00	2.92E+00
1913	494461.06	3859301.99	1.8725	2.51E+00	2.63E+00	2.87E+00
1914	494511.06	3859301.99	1.84123	2.46E+00	2.59E+00	2.82E+00
1915	494561.06	3859301.99	1.86856	2.50E+00	2.63E+00	2.86E+00
1916	494611.06	3859301.99	1.86757	2.50E+00	2.63E+00	2.86E+00
1917	494661.06	3859301.99	1.84881	2.47E+00	2.60E+00	2.83E+00
1918	494711.06	3859301.99	1.87691	2.51E+00	2.64E+00	2.87E+00
1919	494761.06	3859301.99	1.89958	2.54E+00	2.67E+00	2.91E+00
1920	494811.06	3859301.99	1.90391	2.55E+00	2.68E+00	2.92E+00
1921	494861.06	3859301.99	1.91912	2.57E+00	2.70E+00	2.94E+00
1922	494911.06	3859301.99	1.91265	2.56E+00	2.69E+00	2.93E+00
1923	494961.06	3859301.99	1.87429	2.51E+00	2.64E+00	2.87E+00
1924	495011.06	3859301.99	1.83582	2.46E+00	2.58E+00	2.81E+00
1925	495061.06	3859301.99	1.8071	2.42E+00	2.54E+00	2.77E+00
1926	495111.06	3859301.99	1.8271	2.45E+00	2.57E+00	2.80E+00
1927	495161.06	3859301.99	1.82875	2.45E+00	2.57E+00	2.80E+00
1928	495211.06	3859301.99	1.80541	2.42E+00	2.54E+00	2.76E+00
1929	495261.06	3859301.99	1.78169	2.38E+00	2.51E+00	2.73E+00
1930	495311.06	3859301.99	1.76676	2.36E+00	2.49E+00	2.71E+00
1931	495361.06	3859301.99	1.78246	2.39E+00	2.51E+00	2.73E+00
1932	495411.06	3859301.99	1.76274	2.36E+00	2.48E+00	2.70E+00
1933	495461.06	3859301.99	1.76868	2.37E+00	2.49E+00	2.71E+00
1934	495511.06	3859301.99	1.75902	2.35E+00	2.48E+00	2.69E+00
1935	495561.06	3859301.99	1.70209	2.28E+00	2.39E+00	2.61E+00
1936	495611.06	3859301.99	1.70546	2.28E+00	2.40E+00	2.61E+00
1937	495661.06	3859301.99	1.67224	2.24E+00	2.35E+00	2.56E+00
1938	494311.06	3859351.99	1.80594	2.42E+00	2.54E+00	2.77E+00
1939	494361.06	3859351.99	1.83312	2.45E+00	2.58E+00	2.81E+00
1940	494411.06	3859351.99	1.86689	2.50E+00	2.63E+00	2.86E+00
1941	494461.06	3859351.99	1.89073	2.53E+00	2.66E+00	2.90E+00
1942	494511.06	3859351.99	1.88839	2.53E+00	2.66E+00	2.89E+00
1943	494561.06	3859351.99	1.87292	2.51E+00	2.64E+00	2.87E+00
1944	494611.06	3859351.99	1.82084	2.44E+00	2.56E+00	2.79E+00
1945	494661.06	3859351.99	1.85951	2.49E+00	2.62E+00	2.85E+00
1946	494711.06	3859351.99	1.84809	2.47E+00	2.60E+00	2.83E+00
1947	494761.06	3859351.99	1.83415	2.45E+00	2.58E+00	2.81E+00
1948	494811.06	3859351.99	1.86584	2.50E+00	2.63E+00	2.86E+00
1949	494861.06	3859351.99	1.88602	2.52E+00	2.65E+00	2.89E+00

1950	494911.06	3859351.99	1.88645	2.52E+00	2.65E+00	2.89E+00
1951	494961.06	3859351.99	1.90841	2.55E+00	2.69E+00	2.92E+00
1952	495011.06	3859351.99	1.90006	2.54E+00	2.67E+00	2.91E+00
1953	495061.06	3859351.99	1.867	2.50E+00	2.63E+00	2.86E+00
1954	495111.06	3859351.99	1.83102	2.45E+00	2.58E+00	2.80E+00
1955	495161.06	3859351.99	1.80956	2.42E+00	2.55E+00	2.77E+00
1956	495211.06	3859351.99	1.82129	2.44E+00	2.56E+00	2.79E+00
1957	495261.06	3859351.99	1.83005	2.45E+00	2.57E+00	2.80E+00
1958	495311.06	3859351.99	1.79961	2.41E+00	2.53E+00	2.76E+00
1959	495361.06	3859351.99	1.77302	2.37E+00	2.49E+00	2.71E+00
1960	495411.06	3859351.99	1.76913	2.37E+00	2.49E+00	2.71E+00
1961	495461.06	3859351.99	1.78193	2.38E+00	2.51E+00	2.73E+00
1962	495511.06	3859351.99	1.75782	2.35E+00	2.47E+00	2.69E+00
1963	495561.06	3859351.99	1.76219	2.36E+00	2.48E+00	2.70E+00
1964	495611.06	3859351.99	1.74745	2.34E+00	2.46E+00	2.68E+00
1965	495661.06	3859351.99	1.70146	2.28E+00	2.39E+00	2.61E+00
1966	494311.06	3859401.99	1.71266	2.29E+00	2.41E+00	2.62E+00
1967	494361.06	3859401.99	1.75165	2.34E+00	2.46E+00	2.68E+00
1968	494411.06	3859401.99	1.79232	2.40E+00	2.52E+00	2.74E+00
1969	494461.06	3859401.99	1.83186	2.45E+00	2.58E+00	2.80E+00
1970	494511.06	3859401.99	1.85855	2.49E+00	2.62E+00	2.85E+00
1971	494561.06	3859401.99	1.87604	2.51E+00	2.64E+00	2.87E+00
1972	494611.06	3859401.99	1.86763	2.50E+00	2.63E+00	2.86E+00
1973	494661.06	3859401.99	1.85585	2.48E+00	2.61E+00	2.84E+00
1974	494711.06	3859401.99	1.81732	2.43E+00	2.56E+00	2.78E+00
1975	494761.06	3859401.99	1.8442	2.47E+00	2.59E+00	2.82E+00
1976	494811.06	3859401.99	1.8338	2.45E+00	2.58E+00	2.81E+00
1977	494861.06	3859401.99	1.83019	2.45E+00	2.58E+00	2.80E+00
1978	494911.06	3859401.99	1.85537	2.48E+00	2.61E+00	2.84E+00
1979	494961.06	3859401.99	1.87334	2.51E+00	2.64E+00	2.87E+00
1980	495011.06	3859401.99	1.87721	2.51E+00	2.64E+00	2.87E+00
1981	495061.06	3859401.99	1.89912	2.54E+00	2.67E+00	2.91E+00
1982	495111.06	3859401.99	1.8852	2.52E+00	2.65E+00	2.89E+00
1983	495161.06	3859401.99	1.84683	2.47E+00	2.60E+00	2.83E+00
1984	495211.06	3859401.99	1.81135	2.42E+00	2.55E+00	2.77E+00
1985	495261.06	3859401.99	1.79382	2.40E+00	2.52E+00	2.75E+00
1986	495311.06	3859401.99	1.80556	2.42E+00	2.54E+00	2.76E+00
1987	495361.06	3859401.99	1.8118	2.42E+00	2.55E+00	2.77E+00
1988	495411.06	3859401.99	1.77901	2.38E+00	2.50E+00	2.72E+00
1989	495461.06	3859401.99	1.76488	2.36E+00	2.48E+00	2.70E+00
1990	495511.06	3859401.99	1.76599	2.36E+00	2.48E+00	2.70E+00
1991	495561.06	3859401.99	1.76874	2.37E+00	2.49E+00	2.71E+00
1992	495611.06	3859401.99	1.7454	2.34E+00	2.46E+00	2.67E+00
1993	495661.06	3859401.99	1.75155	2.34E+00	2.46E+00	2.68E+00
1994	494311.06	3859451.99	1.6426	2.20E+00	2.31E+00	2.52E+00
1995	494361.06	3859451.99	1.67709	2.24E+00	2.36E+00	2.57E+00
1996	494411.06	3859451.99	1.71492	2.30E+00	2.41E+00	2.63E+00
1997	494461.06	3859451.99	1.74821	2.34E+00	2.46E+00	2.68E+00
1998	494511.06	3859451.99	1.77774	2.38E+00	2.50E+00	2.72E+00
1999	494561.06	3859451.99	1.82314	2.44E+00	2.57E+00	2.79E+00
2000	494611.06	3859451.99	1.84486	2.47E+00	2.60E+00	2.82E+00
2001	494661.06	3859451.99	1.86087	2.49E+00	2.62E+00	2.85E+00
2002	494711.06	3859451.99	1.84893	2.47E+00	2.60E+00	2.83E+00
2003	494761.06	3859451.99	1.82865	2.45E+00	2.57E+00	2.80E+00
2004	494811.06	3859451.99	1.79967	2.41E+00	2.53E+00	2.76E+00
2005	494861.06	3859451.99	1.83081	2.45E+00	2.58E+00	2.80E+00
2006	494911.06	3859451.99	1.80508	2.42E+00	2.54E+00	2.76E+00
2007	494961.06	3859451.99	1.80759	2.42E+00	2.54E+00	2.77E+00
2008	495011.06	3859451.99	1.83487	2.46E+00	2.58E+00	2.81E+00
2009	495061.06	3859451.99	1.85429	2.48E+00	2.61E+00	2.84E+00
2010	495111.06	3859451.99	1.87217	2.51E+00	2.63E+00	2.87E+00
2011	495161.06	3859451.99	1.89453	2.54E+00	2.67E+00	2.90E+00
2012	495211.06	3859451.99	1.85355	2.48E+00	2.61E+00	2.84E+00

2013	495261.06	3859451.99	1.81791	2.43E+00	2.56E+00	2.78E+00
2014	495311.06	3859451.99	1.78463	2.39E+00	2.51E+00	2.73E+00
2015	495361.06	3859451.99	1.7709	2.37E+00	2.49E+00	2.71E+00
2016	495411.06	3859451.99	1.78297	2.39E+00	2.51E+00	2.73E+00
2017	495461.06	3859451.99	1.78974	2.40E+00	2.52E+00	2.74E+00
2018	495511.06	3859451.99	1.75786	2.35E+00	2.47E+00	2.69E+00
2019	495561.06	3859451.99	1.75206	2.35E+00	2.47E+00	2.68E+00
2020	495611.06	3859451.99	1.7555	2.35E+00	2.47E+00	2.69E+00
2021	495661.06	3859451.99	1.75895	2.35E+00	2.47E+00	2.69E+00
2022	494311.06	3859501.99	1.57034	2.10E+00	2.21E+00	2.40E+00
2023	494361.06	3859501.99	1.61018	2.16E+00	2.27E+00	2.47E+00
2024	494411.06	3859501.99	1.64611	2.20E+00	2.32E+00	2.52E+00
2025	494461.06	3859501.99	1.66655	2.23E+00	2.34E+00	2.55E+00
2026	494511.06	3859501.99	1.70739	2.29E+00	2.40E+00	2.61E+00
2027	494561.06	3859501.99	1.74622	2.34E+00	2.46E+00	2.67E+00
2028	494611.06	3859501.99	1.76465	2.36E+00	2.48E+00	2.70E+00
2029	494661.06	3859501.99	1.80909	2.42E+00	2.55E+00	2.77E+00
2030	494711.06	3859501.99	1.83339	2.45E+00	2.58E+00	2.81E+00
2031	494761.06	3859501.99	1.83537	2.46E+00	2.58E+00	2.81E+00
2032	494811.06	3859501.99	1.8383	2.46E+00	2.59E+00	2.81E+00
2033	494861.06	3859501.99	1.80795	2.42E+00	2.54E+00	2.77E+00
2034	494911.06	3859501.99	1.78426	2.39E+00	2.51E+00	2.73E+00
2035	494961.06	3859501.99	1.79901	2.41E+00	2.53E+00	2.75E+00
2036	495011.06	3859501.99	1.77299	2.37E+00	2.49E+00	2.71E+00
2037	495061.06	3859501.99	1.78045	2.38E+00	2.51E+00	2.73E+00
2038	495111.06	3859501.99	1.80445	2.42E+00	2.54E+00	2.76E+00
2039	495161.06	3859501.99	1.82662	2.44E+00	2.57E+00	2.80E+00
2040	495211.06	3859501.99	1.84474	2.47E+00	2.60E+00	2.82E+00
2041	495261.06	3859501.99	1.8561	2.48E+00	2.61E+00	2.84E+00
2042	495311.06	3859501.99	1.80464	2.42E+00	2.54E+00	2.76E+00
2043	495361.06	3859501.99	1.78101	2.38E+00	2.51E+00	2.73E+00
2044	495411.06	3859501.99	1.74397	2.33E+00	2.45E+00	2.67E+00
2045	495461.06	3859501.99	1.73668	2.32E+00	2.44E+00	2.66E+00
2046	495511.06	3859501.99	1.76046	2.36E+00	2.48E+00	2.70E+00
2047	495561.06	3859501.99	1.76819	2.37E+00	2.49E+00	2.71E+00
2048	495611.06	3859501.99	1.73807	2.33E+00	2.45E+00	2.66E+00
2049	495661.06	3859501.99	1.73617	2.32E+00	2.44E+00	2.66E+00
2050	494311.06	3859551.99	1.58674	2.12E+00	2.23E+00	2.43E+00
2051	494361.06	3859551.99	1.55391	2.08E+00	2.19E+00	2.38E+00
2052	494411.06	3859551.99	1.57122	2.10E+00	2.21E+00	2.41E+00
2053	494461.06	3859551.99	1.60207	2.14E+00	2.25E+00	2.45E+00
2054	494511.06	3859551.99	1.63478	2.19E+00	2.30E+00	2.50E+00
2055	494561.06	3859551.99	1.6618	2.22E+00	2.34E+00	2.54E+00
2056	494611.06	3859551.99	1.69581	2.27E+00	2.39E+00	2.60E+00
2057	494661.06	3859551.99	1.72879	2.31E+00	2.43E+00	2.65E+00
2058	494711.06	3859551.99	1.76687	2.36E+00	2.49E+00	2.71E+00
2059	494761.06	3859551.99	1.79927	2.41E+00	2.53E+00	2.76E+00
2060	494811.06	3859551.99	1.82057	2.44E+00	2.56E+00	2.79E+00
2061	494861.06	3859551.99	1.81789	2.43E+00	2.56E+00	2.78E+00
2062	494911.06	3859551.99	1.81642	2.43E+00	2.56E+00	2.78E+00
2063	494961.06	3859551.99	1.78039	2.38E+00	2.51E+00	2.73E+00
2064	495011.06	3859551.99	1.77589	2.38E+00	2.50E+00	2.72E+00
2065	495061.06	3859551.99	1.78928	2.39E+00	2.52E+00	2.74E+00
2066	495111.06	3859551.99	1.80401	2.41E+00	2.54E+00	2.76E+00
2067	495161.06	3859551.99	1.80295	2.41E+00	2.54E+00	2.76E+00
2068	495211.06	3859551.99	1.81992	2.44E+00	2.56E+00	2.79E+00
2069	495261.06	3859551.99	1.79855	2.41E+00	2.53E+00	2.75E+00
2070	495311.06	3859551.99	1.81657	2.43E+00	2.56E+00	2.78E+00
2071	495361.06	3859551.99	1.81606	2.43E+00	2.56E+00	2.78E+00
2072	495411.06	3859551.99	1.77059	2.37E+00	2.49E+00	2.71E+00
2073	495461.06	3859551.99	1.74818	2.34E+00	2.46E+00	2.68E+00
2074	495511.06	3859551.99	1.71954	2.30E+00	2.42E+00	2.63E+00
2075	495561.06	3859551.99	1.71395	2.29E+00	2.41E+00	2.62E+00

2076	495611.06	3859551.99	1.72913	2.31E+00	2.43E+00	2.65E+00
2077	495661.06	3859551.99	1.74164	2.33E+00	2.45E+00	2.67E+00
2078	494311.06	3859601.99	1.60659	2.15E+00	2.26E+00	2.46E+00
2079	494361.06	3859601.99	1.60084	2.14E+00	2.25E+00	2.45E+00
2080	494411.06	3859601.99	1.56135	2.09E+00	2.20E+00	2.39E+00
2081	494461.06	3859601.99	1.56644	2.10E+00	2.20E+00	2.40E+00
2082	494511.06	3859601.99	1.57408	2.11E+00	2.21E+00	2.41E+00
2083	494561.06	3859601.99	1.60736	2.15E+00	2.26E+00	2.46E+00
2084	494611.06	3859601.99	1.63974	2.19E+00	2.31E+00	2.51E+00
2085	494661.06	3859601.99	1.65547	2.22E+00	2.33E+00	2.53E+00
2086	494711.06	3859601.99	1.69528	2.27E+00	2.39E+00	2.60E+00
2087	494761.06	3859601.99	1.70894	2.29E+00	2.40E+00	2.62E+00
2088	494811.06	3859601.99	1.76206	2.36E+00	2.48E+00	2.70E+00
2089	494861.06	3859601.99	1.78528	2.39E+00	2.51E+00	2.73E+00
2090	494911.06	3859601.99	1.80274	2.41E+00	2.54E+00	2.76E+00
2091	494961.06	3859601.99	1.78177	2.38E+00	2.51E+00	2.73E+00
2092	495011.06	3859601.99	1.78045	2.38E+00	2.51E+00	2.73E+00
2093	495061.06	3859601.99	1.75198	2.34E+00	2.47E+00	2.68E+00
2094	495111.06	3859601.99	1.76994	2.37E+00	2.49E+00	2.71E+00
2095	495161.06	3859601.99	1.77083	2.37E+00	2.49E+00	2.71E+00
2096	495211.06	3859601.99	1.78681	2.39E+00	2.51E+00	2.74E+00
2097	495261.06	3859601.99	1.80085	2.41E+00	2.53E+00	2.76E+00
2098	495311.06	3859601.99	1.81599	2.43E+00	2.56E+00	2.78E+00
2099	495361.06	3859601.99	1.85139	2.48E+00	2.61E+00	2.83E+00
2100	495411.06	3859601.99	1.84066	2.46E+00	2.59E+00	2.82E+00
2101	495461.06	3859601.99	1.79201	2.40E+00	2.52E+00	2.74E+00
2102	495511.06	3859601.99	1.75164	2.34E+00	2.46E+00	2.68E+00
2103	495561.06	3859601.99	1.71788	2.30E+00	2.42E+00	2.63E+00
2104	495611.06	3859601.99	1.69201	2.26E+00	2.38E+00	2.59E+00
2105	495661.06	3859601.99	1.68912	2.26E+00	2.38E+00	2.59E+00
2106	494311.06	3859651.99	1.68022	2.25E+00	2.36E+00	2.57E+00
2107	494361.06	3859651.99	1.60222	2.14E+00	2.25E+00	2.45E+00
2108	494411.06	3859651.99	1.60777	2.15E+00	2.26E+00	2.46E+00
2109	494461.06	3859651.99	1.58089	2.12E+00	2.22E+00	2.42E+00
2110	494511.06	3859651.99	1.55784	2.09E+00	2.19E+00	2.39E+00
2111	494561.06	3859651.99	1.56887	2.10E+00	2.21E+00	2.40E+00
2112	494611.06	3859651.99	1.59112	2.13E+00	2.24E+00	2.44E+00
2113	494661.06	3859651.99	1.60355	2.15E+00	2.26E+00	2.46E+00
2114	494711.06	3859651.99	1.63119	2.18E+00	2.30E+00	2.50E+00
2115	494761.06	3859651.99	1.6723	2.24E+00	2.35E+00	2.56E+00
2116	494811.06	3859651.99	1.68986	2.26E+00	2.38E+00	2.59E+00
2117	494861.06	3859651.99	1.69694	2.27E+00	2.39E+00	2.60E+00
2118	494911.06	3859651.99	1.74474	2.34E+00	2.45E+00	2.67E+00
2119	494961.06	3859651.99	1.75976	2.36E+00	2.48E+00	2.69E+00
2120	495011.06	3859651.99	1.76051	2.36E+00	2.48E+00	2.70E+00
2121	495061.06	3859651.99	1.7546	2.35E+00	2.47E+00	2.69E+00
2122	495111.06	3859651.99	1.73299	2.32E+00	2.44E+00	2.65E+00
2123	495161.06	3859651.99	1.72204	2.30E+00	2.42E+00	2.64E+00
2124	495211.06	3859651.99	1.73036	2.32E+00	2.43E+00	2.65E+00
2125	495261.06	3859651.99	1.74675	2.34E+00	2.46E+00	2.67E+00
2126	495311.06	3859651.99	1.76111	2.36E+00	2.48E+00	2.70E+00
2127	495361.06	3859651.99	1.77302	2.37E+00	2.49E+00	2.71E+00
2128	495411.06	3859651.99	1.79939	2.41E+00	2.53E+00	2.76E+00
2129	495461.06	3859651.99	1.83489	2.46E+00	2.58E+00	2.81E+00
2130	495511.06	3859651.99	1.8147	2.43E+00	2.55E+00	2.78E+00
2131	495561.06	3859651.99	1.76157	2.36E+00	2.48E+00	2.70E+00
2132	495611.06	3859651.99	1.76071	2.36E+00	2.48E+00	2.70E+00
2133	495661.06	3859651.99	1.72741	2.31E+00	2.43E+00	2.64E+00
2134	494311.06	3859701.99	1.63102	2.18E+00	2.29E+00	2.50E+00
2135	494361.06	3859701.99	1.63008	2.18E+00	2.29E+00	2.50E+00
2136	494411.06	3859701.99	1.6287	2.18E+00	2.29E+00	2.49E+00
2137	494461.06	3859701.99	1.66559	2.23E+00	2.34E+00	2.55E+00
2138	494511.06	3859701.99	1.62738	2.18E+00	2.29E+00	2.49E+00

2139	494561.06	3859701.99	1.61957	2.17E+00	2.28E+00	2.48E+00
2140	494611.06	3859701.99	1.60568	2.15E+00	2.26E+00	2.46E+00
2141	494661.06	3859701.99	1.56769	2.10E+00	2.21E+00	2.40E+00
2142	494711.06	3859701.99	1.59191	2.13E+00	2.24E+00	2.44E+00
2143	494761.06	3859701.99	1.6254	2.18E+00	2.29E+00	2.49E+00
2144	494811.06	3859701.99	1.6411	2.20E+00	2.31E+00	2.51E+00
2145	494861.06	3859701.99	1.67972	2.25E+00	2.36E+00	2.57E+00
2146	494911.06	3859701.99	1.70181	2.28E+00	2.39E+00	2.61E+00
2147	494961.06	3859701.99	1.70933	2.29E+00	2.41E+00	2.62E+00
2148	495011.06	3859701.99	1.73279	2.32E+00	2.44E+00	2.65E+00
2149	495061.06	3859701.99	1.74121	2.33E+00	2.45E+00	2.67E+00
2150	495111.06	3859701.99	1.73068	2.32E+00	2.44E+00	2.65E+00
2151	495161.06	3859701.99	1.7265	2.31E+00	2.43E+00	2.64E+00
2152	495211.06	3859701.99	1.69564	2.27E+00	2.39E+00	2.60E+00
2153	495261.06	3859701.99	1.69505	2.27E+00	2.39E+00	2.60E+00
2154	495311.06	3859701.99	1.69948	2.27E+00	2.39E+00	2.60E+00
2155	495361.06	3859701.99	1.72038	2.30E+00	2.42E+00	2.63E+00
2156	495411.06	3859701.99	1.74089	2.33E+00	2.45E+00	2.67E+00
2157	495461.06	3859701.99	1.75937	2.35E+00	2.48E+00	2.69E+00
2158	495511.06	3859701.99	1.78146	2.38E+00	2.51E+00	2.73E+00
2159	495561.06	3859701.99	1.79804	2.41E+00	2.53E+00	2.75E+00
2160	495611.06	3859701.99	1.77406	2.37E+00	2.50E+00	2.72E+00
2161	495661.06	3859701.99	1.74009	2.33E+00	2.45E+00	2.66E+00
2162	494311.06	3859751.99	1.76485	2.36E+00	2.48E+00	2.70E+00
2163	494361.06	3859751.99	1.7384	2.33E+00	2.45E+00	2.66E+00
2164	494411.06	3859751.99	1.71705	2.30E+00	2.42E+00	2.63E+00
2165	494461.06	3859751.99	1.77348	2.37E+00	2.50E+00	2.72E+00
2166	494511.06	3859751.99	1.7611	2.36E+00	2.48E+00	2.70E+00
2167	494561.06	3859751.99	1.72767	2.31E+00	2.43E+00	2.65E+00
2168	494611.06	3859751.99	1.69757	2.27E+00	2.39E+00	2.60E+00
2169	494661.06	3859751.99	1.5833	2.12E+00	2.23E+00	2.42E+00
2170	494711.06	3859751.99	1.63491	2.19E+00	2.30E+00	2.50E+00
2171	494761.06	3859751.99	1.62675	2.18E+00	2.29E+00	2.49E+00
2172	494811.06	3859751.99	1.5919	2.13E+00	2.24E+00	2.44E+00
2173	494861.06	3859751.99	1.5992	2.14E+00	2.25E+00	2.45E+00
2174	494911.06	3859751.99	1.62253	2.17E+00	2.28E+00	2.48E+00
2175	494961.06	3859751.99	1.65597	2.22E+00	2.33E+00	2.54E+00
2176	495011.06	3859751.99	1.68207	2.25E+00	2.37E+00	2.58E+00
2177	495061.06	3859751.99	1.70192	2.28E+00	2.39E+00	2.61E+00
2178	495111.06	3859751.99	1.71291	2.29E+00	2.41E+00	2.62E+00
2179	495161.06	3859751.99	1.72045	2.30E+00	2.42E+00	2.63E+00
2180	495211.06	3859751.99	1.70893	2.29E+00	2.40E+00	2.62E+00
2181	495261.06	3859751.99	1.68829	2.26E+00	2.38E+00	2.59E+00
2182	495311.06	3859751.99	1.67875	2.25E+00	2.36E+00	2.57E+00
2183	495361.06	3859751.99	1.69398	2.27E+00	2.38E+00	2.59E+00
2184	495411.06	3859751.99	1.7062	2.28E+00	2.40E+00	2.61E+00
2185	495461.06	3859751.99	1.7318	2.32E+00	2.44E+00	2.65E+00
2186	495511.06	3859751.99	1.74664	2.34E+00	2.46E+00	2.67E+00
2187	495561.06	3859751.99	1.76499	2.36E+00	2.48E+00	2.70E+00
2188	495611.06	3859751.99	1.77276	2.37E+00	2.49E+00	2.71E+00
2189	495661.06	3859751.99	1.77752	2.38E+00	2.50E+00	2.72E+00
2190	494311.06	3859801.99	1.89052	2.53E+00	2.66E+00	2.89E+00
2191	494361.06	3859801.99	1.83697	2.46E+00	2.58E+00	2.81E+00
2192	494411.06	3859801.99	1.77587	2.38E+00	2.50E+00	2.72E+00
2193	494461.06	3859801.99	1.81653	2.43E+00	2.56E+00	2.78E+00
2194	494511.06	3859801.99	1.85578	2.48E+00	2.61E+00	2.84E+00
2195	494561.06	3859801.99	1.84462	2.47E+00	2.60E+00	2.82E+00
2196	494611.06	3859801.99	1.77486	2.38E+00	2.50E+00	2.72E+00
2197	494661.06	3859801.99	1.74378	2.33E+00	2.45E+00	2.67E+00
2198	494711.06	3859801.99	1.6996	2.27E+00	2.39E+00	2.60E+00
2199	494761.06	3859801.99	1.75599	2.35E+00	2.47E+00	2.69E+00
2200	494811.06	3859801.99	1.72993	2.32E+00	2.43E+00	2.65E+00
2201	494861.06	3859801.99	1.72634	2.31E+00	2.43E+00	2.64E+00

2202	494911.06	3859801.99	1.69531	2.27E+00	2.39E+00	2.60E+00
2203	494961.06	3859801.99	1.67529	2.24E+00	2.36E+00	2.57E+00
2204	495011.06	3859801.99	1.66093	2.22E+00	2.34E+00	2.54E+00
2205	495061.06	3859801.99	1.68087	2.25E+00	2.37E+00	2.57E+00
2206	495111.06	3859801.99	1.66941	2.23E+00	2.35E+00	2.56E+00
2207	495161.06	3859801.99	1.67952	2.25E+00	2.36E+00	2.57E+00
2208	495211.06	3859801.99	1.67618	2.24E+00	2.36E+00	2.57E+00
2209	495261.06	3859801.99	1.67543	2.24E+00	2.36E+00	2.57E+00
2210	495311.06	3859801.99	1.66972	2.23E+00	2.35E+00	2.56E+00
2211	495361.06	3859801.99	1.66004	2.22E+00	2.34E+00	2.54E+00
2212	495411.06	3859801.99	1.65487	2.21E+00	2.33E+00	2.53E+00
2213	495461.06	3859801.99	1.6828	2.25E+00	2.37E+00	2.58E+00
2214	495511.06	3859801.99	1.711	2.29E+00	2.41E+00	2.62E+00
2215	495561.06	3859801.99	1.73641	2.32E+00	2.44E+00	2.66E+00
2216	495611.06	3859801.99	1.75247	2.35E+00	2.47E+00	2.68E+00
2217	495661.06	3859801.99	1.76568	2.36E+00	2.48E+00	2.70E+00
2218	494311.06	3859851.99	2.02574	2.71E+00	2.85E+00	3.10E+00
2219	494361.06	3859851.99	1.98339	2.65E+00	2.79E+00	3.04E+00
2220	494411.06	3859851.99	1.91821	2.57E+00	2.70E+00	2.94E+00
2221	494461.06	3859851.99	1.87849	2.51E+00	2.64E+00	2.88E+00
2222	494511.06	3859851.99	1.91506	2.56E+00	2.69E+00	2.93E+00
2223	494561.06	3859851.99	1.95415	2.62E+00	2.75E+00	2.99E+00
2224	494611.06	3859851.99	1.8469	2.47E+00	2.60E+00	2.83E+00
2225	494661.06	3859851.99	1.86123	2.49E+00	2.62E+00	2.85E+00
2226	494711.06	3859851.99	1.828	2.45E+00	2.57E+00	2.80E+00
2227	494761.06	3859851.99	1.85364	2.48E+00	2.61E+00	2.84E+00
2228	494811.06	3859851.99	1.85322	2.48E+00	2.61E+00	2.84E+00
2229	494861.06	3859851.99	1.85134	2.48E+00	2.60E+00	2.83E+00
2230	494911.06	3859851.99	1.82701	2.45E+00	2.57E+00	2.80E+00
2231	494961.06	3859851.99	1.81021	2.42E+00	2.55E+00	2.77E+00
2232	495011.06	3859851.99	1.79119	2.40E+00	2.52E+00	2.74E+00
2233	495061.06	3859851.99	1.78804	2.39E+00	2.52E+00	2.74E+00
2234	495111.06	3859851.99	1.75888	2.35E+00	2.47E+00	2.69E+00
2235	495161.06	3859851.99	1.72358	2.31E+00	2.43E+00	2.64E+00
2236	495211.06	3859851.99	1.72917	2.31E+00	2.43E+00	2.65E+00
2237	495261.06	3859851.99	1.70593	2.28E+00	2.40E+00	2.61E+00
2238	495311.06	3859851.99	1.70821	2.29E+00	2.40E+00	2.62E+00
2239	495361.06	3859851.99	1.69912	2.27E+00	2.39E+00	2.60E+00
2240	495411.06	3859851.99	1.66201	2.22E+00	2.34E+00	2.54E+00
2241	495461.06	3859851.99	1.63631	2.19E+00	2.30E+00	2.51E+00
2242	495511.06	3859851.99	1.64762	2.21E+00	2.32E+00	2.52E+00
2243	495561.06	3859851.99	1.68352	2.25E+00	2.37E+00	2.58E+00
2244	495611.06	3859851.99	1.70025	2.28E+00	2.39E+00	2.60E+00
2245	495661.06	3859851.99	1.727	2.31E+00	2.43E+00	2.64E+00
2246	494311.06	3859901.99	2.14188	2.87E+00	3.01E+00	3.28E+00
2247	494361.06	3859901.99	2.05679	2.75E+00	2.89E+00	3.15E+00
2248	494411.06	3859901.99	2.0589	2.76E+00	2.90E+00	3.15E+00
2249	494461.06	3859901.99	2.03588	2.72E+00	2.86E+00	3.12E+00
2250	494511.06	3859901.99	2.03491	2.72E+00	2.86E+00	3.12E+00
2251	494561.06	3859901.99	2.08883	2.80E+00	2.94E+00	3.20E+00
2252	494611.06	3859901.99	1.9707	2.64E+00	2.77E+00	3.02E+00
2253	494661.06	3859901.99	2.00043	2.68E+00	2.81E+00	3.06E+00
2254	494711.06	3859901.99	1.91324	2.56E+00	2.69E+00	2.93E+00
2255	494761.06	3859901.99	1.93328	2.59E+00	2.72E+00	2.96E+00
2256	494811.06	3859901.99	1.95082	2.61E+00	2.74E+00	2.99E+00
2257	494861.06	3859901.99	1.94476	2.60E+00	2.74E+00	2.98E+00
2258	494911.06	3859901.99	1.91577	2.56E+00	2.70E+00	2.93E+00
2259	494961.06	3859901.99	1.89646	2.54E+00	2.67E+00	2.90E+00
2260	495011.06	3859901.99	1.87183	2.51E+00	2.63E+00	2.87E+00
2261	495061.06	3859901.99	1.85377	2.48E+00	2.61E+00	2.84E+00
2262	495111.06	3859901.99	1.8196	2.44E+00	2.56E+00	2.79E+00
2263	495161.06	3859901.99	1.8031	2.41E+00	2.54E+00	2.76E+00
2264	495211.06	3859901.99	1.80289	2.41E+00	2.54E+00	2.76E+00

2265	495261.06	3859901.99	1.77205	2.37E+00	2.49E+00	2.71E+00
2266	495311.06	3859901.99	1.77934	2.38E+00	2.50E+00	2.72E+00
2267	495361.06	3859901.99	1.77154	2.37E+00	2.49E+00	2.71E+00
2268	495411.06	3859901.99	1.74281	2.33E+00	2.45E+00	2.67E+00
2269	495461.06	3859901.99	1.71384	2.29E+00	2.41E+00	2.62E+00
2270	495511.06	3859901.99	1.71317	2.29E+00	2.41E+00	2.62E+00
2271	495561.06	3859901.99	1.70402	2.28E+00	2.40E+00	2.61E+00
2272	495611.06	3859901.99	1.68496	2.26E+00	2.37E+00	2.58E+00
2273	495661.06	3859901.99	1.69453	2.27E+00	2.38E+00	2.59E+00
2274	494311.06	3859951.99	2.29215	3.07E+00	3.23E+00	3.51E+00
2275	494361.06	3859951.99	2.237	2.99E+00	3.15E+00	3.43E+00
2276	494411.06	3859951.99	2.18525	2.92E+00	3.07E+00	3.35E+00
2277	494461.06	3859951.99	2.15256	2.88E+00	3.03E+00	3.30E+00
2278	494511.06	3859951.99	2.14976	2.88E+00	3.02E+00	3.29E+00
2279	494561.06	3859951.99	2.21086	2.96E+00	3.11E+00	3.39E+00
2280	494611.06	3859951.99	2.13516	2.86E+00	3.00E+00	3.27E+00
2281	494661.06	3859951.99	2.14657	2.87E+00	3.02E+00	3.29E+00
2282	494711.06	3859951.99	2.09213	2.80E+00	2.94E+00	3.20E+00
2283	494761.06	3859951.99	2.08518	2.79E+00	2.93E+00	3.19E+00
2284	494811.06	3859951.99	2.0628	2.76E+00	2.90E+00	3.16E+00
2285	494861.06	3859951.99	2.0722	2.77E+00	2.92E+00	3.17E+00
2286	494911.06	3859951.99	2.03729	2.73E+00	2.87E+00	3.12E+00
2287	494961.06	3859951.99	2.01063	2.69E+00	2.83E+00	3.08E+00
2288	495011.06	3859951.99	1.99189	2.67E+00	2.80E+00	3.05E+00
2289	495061.06	3859951.99	1.97446	2.64E+00	2.78E+00	3.02E+00
2290	495111.06	3859951.99	1.93227	2.59E+00	2.72E+00	2.96E+00
2291	495161.06	3859951.99	1.89854	2.54E+00	2.67E+00	2.91E+00
2292	495211.06	3859951.99	1.86601	2.50E+00	2.63E+00	2.86E+00
2293	495261.06	3859951.99	1.84606	2.47E+00	2.60E+00	2.83E+00
2294	495311.06	3859951.99	1.85236	2.48E+00	2.61E+00	2.84E+00
2295	495361.06	3859951.99	1.84386	2.47E+00	2.59E+00	2.82E+00
2296	495411.06	3859951.99	1.82536	2.44E+00	2.57E+00	2.79E+00
2297	495461.06	3859951.99	1.81033	2.42E+00	2.55E+00	2.77E+00
2298	495511.06	3859951.99	1.79226	2.40E+00	2.52E+00	2.74E+00
2299	495561.06	3859951.99	1.78083	2.38E+00	2.51E+00	2.73E+00
2300	495611.06	3859951.99	1.7479	2.34E+00	2.46E+00	2.68E+00
2301	495661.06	3859951.99	1.72928	2.31E+00	2.43E+00	2.65E+00
2302	494311.06	3860001.99	2.46409	3.30E+00	3.47E+00	3.77E+00
2303	494361.06	3860001.99	2.4254	3.25E+00	3.41E+00	3.71E+00
2304	494411.06	3860001.99	2.33788	3.13E+00	3.29E+00	3.58E+00
2305	494461.06	3860001.99	2.32916	3.12E+00	3.28E+00	3.57E+00
2306	494511.06	3860001.99	2.27572	3.05E+00	3.20E+00	3.48E+00
2307	494561.06	3860001.99	2.39172	3.20E+00	3.37E+00	3.66E+00
2308	494611.06	3860001.99	2.32749	3.12E+00	3.27E+00	3.56E+00
2309	494661.06	3860001.99	2.31091	3.09E+00	3.25E+00	3.54E+00
2310	494711.06	3860001.99	2.16981	2.90E+00	3.05E+00	3.32E+00
2311	494761.06	3860001.99	2.20865	2.96E+00	3.11E+00	3.38E+00
2312	494811.06	3860001.99	2.19596	2.94E+00	3.09E+00	3.36E+00
2313	494861.06	3860001.99	2.19344	2.94E+00	3.09E+00	3.36E+00
2314	494911.06	3860001.99	2.10275	2.81E+00	2.96E+00	3.22E+00
2315	494961.06	3860001.99	2.09914	2.81E+00	2.95E+00	3.21E+00
2316	495011.06	3860001.99	2.0713	2.77E+00	2.91E+00	3.17E+00
2317	495061.06	3860001.99	2.09759	2.81E+00	2.95E+00	3.21E+00
2318	495111.06	3860001.99	2.05684	2.75E+00	2.89E+00	3.15E+00
2319	495161.06	3860001.99	2.00957	2.69E+00	2.83E+00	3.08E+00
2320	495211.06	3860001.99	2.01465	2.70E+00	2.83E+00	3.08E+00
2321	495261.06	3860001.99	1.98407	2.66E+00	2.79E+00	3.04E+00
2322	495311.06	3860001.99	1.96363	2.63E+00	2.76E+00	3.01E+00
2323	495361.06	3860001.99	1.91778	2.57E+00	2.70E+00	2.94E+00
2324	495411.06	3860001.99	1.93094	2.58E+00	2.72E+00	2.96E+00
2325	495461.06	3860001.99	1.90963	2.56E+00	2.69E+00	2.92E+00
2326	495511.06	3860001.99	1.88559	2.52E+00	2.65E+00	2.89E+00
2327	495561.06	3860001.99	1.8822	2.52E+00	2.65E+00	2.88E+00

2328	495611.06	3860001.99	1.85107	2.48E+00	2.60E+00	2.83E+00
2329	495661.06	3860001.99	1.81263	2.43E+00	2.55E+00	2.78E+00
2330	494411.06	3860051.99	2.46077	3.29E+00	3.46E+00	3.77E+00
2331	494461.06	3860051.99	2.42491	3.25E+00	3.41E+00	3.71E+00
2332	494511.06	3860051.99	2.39951	3.21E+00	3.38E+00	3.67E+00
2333	494561.06	3860051.99	2.45179	3.28E+00	3.45E+00	3.75E+00
2334	494611.06	3860051.99	2.45856	3.29E+00	3.46E+00	3.76E+00
2335	494661.06	3860051.99	2.4552	3.29E+00	3.45E+00	3.76E+00
2336	494711.06	3860051.99	2.36629	3.17E+00	3.33E+00	3.62E+00
2337	494761.06	3860051.99	2.3585	3.16E+00	3.32E+00	3.61E+00
2338	494811.06	3860051.99	2.37361	3.18E+00	3.34E+00	3.63E+00
2339	494861.06	3860051.99	2.37805	3.18E+00	3.35E+00	3.64E+00
2340	494911.06	3860051.99	2.31501	3.10E+00	3.26E+00	3.54E+00
2341	494961.06	3860051.99	2.2446	3.00E+00	3.16E+00	3.44E+00
2342	495011.06	3860051.99	2.19334	2.94E+00	3.09E+00	3.36E+00
2343	495061.06	3860051.99	2.16543	2.90E+00	3.05E+00	3.32E+00
2344	495111.06	3860051.99	2.1136	2.83E+00	2.97E+00	3.24E+00
2345	495161.06	3860051.99	2.09656	2.81E+00	2.95E+00	3.21E+00
2346	495211.06	3860051.99	2.09169	2.80E+00	2.94E+00	3.20E+00
2347	495261.06	3860051.99	2.08768	2.79E+00	2.94E+00	3.20E+00
2348	495311.06	3860051.99	2.08662	2.79E+00	2.94E+00	3.20E+00
2349	495361.06	3860051.99	2.06315	2.76E+00	2.90E+00	3.16E+00
2350	495411.06	3860051.99	2.03688	2.73E+00	2.87E+00	3.12E+00
2351	495461.06	3860051.99	1.99944	2.68E+00	2.81E+00	3.06E+00
2352	495511.06	3860051.99	1.98116	2.65E+00	2.79E+00	3.03E+00
2353	495561.06	3860051.99	1.9478	2.61E+00	2.74E+00	2.98E+00
2354	495611.06	3860051.99	1.95069	2.61E+00	2.74E+00	2.99E+00
2355	495661.06	3860051.99	1.90126	2.54E+00	2.68E+00	2.91E+00
2356	494411.06	3860101.99	2.5071	3.36E+00	3.53E+00	3.84E+00
2357	494461.06	3860101.99	2.54659	3.41E+00	3.58E+00	3.90E+00
2358	494511.06	3860101.99	2.46552	3.30E+00	3.47E+00	3.78E+00
2359	494561.06	3860101.99	2.46901	3.30E+00	3.47E+00	3.78E+00
2360	494611.06	3860101.99	2.53013	3.39E+00	3.56E+00	3.87E+00
2361	494661.06	3860101.99	2.52467	3.38E+00	3.55E+00	3.87E+00
2362	494711.06	3860101.99	2.44667	3.27E+00	3.44E+00	3.75E+00
2363	494761.06	3860101.99	2.43294	3.26E+00	3.42E+00	3.73E+00
2364	494811.06	3860101.99	2.42752	3.25E+00	3.42E+00	3.72E+00
2365	494861.06	3860101.99	2.49022	3.33E+00	3.50E+00	3.81E+00
2366	494911.06	3860101.99	2.33434	3.12E+00	3.28E+00	3.57E+00
2367	494961.06	3860101.99	2.31252	3.10E+00	3.25E+00	3.54E+00
2368	495011.06	3860101.99	2.26845	3.04E+00	3.19E+00	3.47E+00
2369	495061.06	3860101.99	2.22987	2.98E+00	3.14E+00	3.41E+00
2370	495111.06	3860101.99	2.17731	2.91E+00	3.06E+00	3.33E+00
2371	495161.06	3860101.99	2.16564	2.90E+00	3.05E+00	3.32E+00
2372	495211.06	3860101.99	2.14385	2.87E+00	3.02E+00	3.28E+00
2373	495261.06	3860101.99	2.11705	2.83E+00	2.98E+00	3.24E+00
2374	495311.06	3860101.99	2.10243	2.81E+00	2.96E+00	3.22E+00
2375	495361.06	3860101.99	2.106	2.82E+00	2.96E+00	3.22E+00
2376	495411.06	3860101.99	2.08841	2.80E+00	2.94E+00	3.20E+00
2377	495461.06	3860101.99	2.05895	2.76E+00	2.90E+00	3.15E+00
2378	495511.06	3860101.99	2.05322	2.75E+00	2.89E+00	3.14E+00
2379	495561.06	3860101.99	2.04659	2.74E+00	2.88E+00	3.13E+00
2380	495611.06	3860101.99	1.99671	2.67E+00	2.81E+00	3.06E+00
2381	495661.06	3860101.99	1.98457	2.66E+00	2.79E+00	3.04E+00
2382	494861.06	3860151.99	2.61519	3.50E+00	3.68E+00	4.00E+00
2383	494911.06	3860151.99	2.45695	3.29E+00	3.46E+00	3.76E+00
2384	494961.06	3860151.99	2.41172	3.23E+00	3.39E+00	3.69E+00
2385	495011.06	3860151.99	2.36945	3.17E+00	3.33E+00	3.63E+00
2386	495061.06	3860151.99	2.31359	3.10E+00	3.26E+00	3.54E+00
2387	495111.06	3860151.99	2.27457	3.04E+00	3.20E+00	3.48E+00
2388	495161.06	3860151.99	2.24669	3.01E+00	3.16E+00	3.44E+00
2389	495211.06	3860151.99	2.21039	2.96E+00	3.11E+00	3.38E+00
2390	495261.06	3860151.99	2.1813	2.92E+00	3.07E+00	3.34E+00

2391	495311.06	3860151.99	2.15646	2.89E+00	3.03E+00	3.30E+00
2392	495361.06	3860151.99	2.13709	2.86E+00	3.01E+00	3.27E+00
2393	495411.06	3860151.99	2.12241	2.84E+00	2.99E+00	3.25E+00
2394	495461.06	3860151.99	2.12494	2.84E+00	2.99E+00	3.25E+00
2395	495511.06	3860151.99	2.11127	2.83E+00	2.97E+00	3.23E+00
2396	495561.06	3860151.99	2.10504	2.82E+00	2.96E+00	3.22E+00
2397	495611.06	3860151.99	2.0732	2.77E+00	2.92E+00	3.17E+00
2398	495661.06	3860151.99	2.03698	2.73E+00	2.87E+00	3.12E+00
2399	495718.25	3859442.96	1.74553	2.34E+00	2.46E+00	2.67E+00
2400	495818.25	3859442.96	1.70527	2.28E+00	2.40E+00	2.61E+00
2401	495918.25	3859442.96	1.67005	2.24E+00	2.35E+00	2.56E+00
2402	496018.25	3859442.96	1.66463	2.23E+00	2.34E+00	2.55E+00
2403	496118.25	3859442.96	1.74197	2.33E+00	2.45E+00	2.67E+00
2404	496218.25	3859442.96	1.81014	2.42E+00	2.55E+00	2.77E+00
2405	496318.25	3859442.96	1.75796	2.35E+00	2.47E+00	2.69E+00
2406	496418.25	3859442.96	1.6956	2.27E+00	2.39E+00	2.60E+00
2407	495718.25	3859542.96	1.7247	2.31E+00	2.43E+00	2.64E+00
2408	495818.25	3859542.96	1.73128	2.32E+00	2.44E+00	2.65E+00
2409	495918.25	3859542.96	1.73126	2.32E+00	2.44E+00	2.65E+00
2410	496018.25	3859542.96	1.70001	2.28E+00	2.39E+00	2.60E+00
2411	496118.25	3859542.96	1.65997	2.22E+00	2.34E+00	2.54E+00
2412	496218.25	3859542.96	1.70472	2.28E+00	2.40E+00	2.61E+00
2413	496318.25	3859542.96	1.73564	2.32E+00	2.44E+00	2.66E+00
2414	496418.25	3859542.96	1.7811	2.38E+00	2.51E+00	2.73E+00
2415	495718.25	3859642.96	1.66541	2.23E+00	2.34E+00	2.55E+00
2416	495818.25	3859642.96	1.69096	2.26E+00	2.38E+00	2.59E+00
2417	495918.25	3859642.96	1.66782	2.23E+00	2.35E+00	2.55E+00
2418	496018.25	3859642.96	1.67931	2.25E+00	2.36E+00	2.57E+00
2419	496118.25	3859642.96	1.67596	2.24E+00	2.36E+00	2.57E+00
2420	496218.25	3859642.96	1.63594	2.19E+00	2.30E+00	2.50E+00
2421	496318.25	3859642.96	1.62227	2.17E+00	2.28E+00	2.48E+00
2422	496418.25	3859642.96	1.67873	2.25E+00	2.36E+00	2.57E+00
2423	495718.25	3859742.96	1.73962	2.33E+00	2.45E+00	2.66E+00
2424	495818.25	3859742.96	1.7072	2.28E+00	2.40E+00	2.61E+00
2425	495918.25	3859742.96	1.68588	2.26E+00	2.37E+00	2.58E+00
2426	496018.25	3859742.96	1.65321	2.21E+00	2.33E+00	2.53E+00
2427	496118.25	3859742.96	1.67823	2.25E+00	2.36E+00	2.57E+00
2428	496218.25	3859742.96	1.73757	2.33E+00	2.44E+00	2.66E+00
2429	496318.25	3859742.96	1.67274	2.24E+00	2.35E+00	2.56E+00
2430	496418.25	3859742.96	1.59939	2.14E+00	2.25E+00	2.45E+00
2431	495718.25	3859842.96	1.75819	2.35E+00	2.47E+00	2.69E+00
2432	495818.25	3859842.96	1.77763	2.38E+00	2.50E+00	2.72E+00
2433	495918.25	3859842.96	1.72456	2.31E+00	2.43E+00	2.64E+00
2434	496018.25	3859842.96	1.70448	2.28E+00	2.40E+00	2.61E+00
2435	496118.25	3859842.96	1.67771	2.25E+00	2.36E+00	2.57E+00
2436	496218.25	3859842.96	1.66513	2.23E+00	2.34E+00	2.55E+00
2437	496318.25	3859842.96	1.60496	2.15E+00	2.26E+00	2.46E+00
2438	496418.25	3859842.96	1.64933	2.21E+00	2.32E+00	2.53E+00
2439	495718.25	3859942.96	1.72223	2.31E+00	2.42E+00	2.64E+00
2440	495818.25	3859942.96	1.72848	2.31E+00	2.43E+00	2.65E+00
2441	495918.25	3859942.96	1.76401	2.36E+00	2.48E+00	2.70E+00
2442	496018.25	3859942.96	1.79774	2.41E+00	2.53E+00	2.75E+00
2443	496118.25	3859942.96	1.73571	2.32E+00	2.44E+00	2.66E+00
2444	496218.25	3859942.96	1.65334	2.21E+00	2.33E+00	2.53E+00
2445	496318.25	3859942.96	1.63426	2.19E+00	2.30E+00	2.50E+00
2446	496418.25	3859942.96	1.62248	2.17E+00	2.28E+00	2.48E+00
2447	496856.82	3858864.83	1.24461	1.67E+00	1.75E+00	1.91E+00
2448	496956.82	3858864.83	1.22424	1.64E+00	1.72E+00	1.87E+00
2449	497056.82	3858864.83	1.1839	1.58E+00	1.67E+00	1.81E+00
2450	497156.82	3858864.83	1.20043	1.61E+00	1.69E+00	1.84E+00
2451	497256.82	3858864.83	1.25792	1.68E+00	1.77E+00	1.93E+00
2452	496856.82	3858964.83	1.28575	1.72E+00	1.81E+00	1.97E+00
2453	496956.82	3858964.83	1.33142	1.78E+00	1.87E+00	2.04E+00

2454	497056.82	3858964.83	1.26377	1.69E+00	1.78E+00	1.94E+00
2455	497156.82	3858964.83	1.24245	1.66E+00	1.75E+00	1.90E+00
2456	497256.82	3858964.83	1.21007	1.62E+00	1.70E+00	1.85E+00
2457	496856.82	3859064.83	1.4437	1.93E+00	2.03E+00	2.21E+00
2458	496956.82	3859064.83	1.31408	1.76E+00	1.85E+00	2.01E+00
2459	497056.82	3859064.83	1.28505	1.72E+00	1.81E+00	1.97E+00
2460	497156.82	3859064.83	1.35156	1.81E+00	1.90E+00	2.07E+00
2461	497256.82	3859064.83	1.32579	1.77E+00	1.87E+00	2.03E+00
2462	496856.82	3859164.83	1.56523	2.09E+00	2.20E+00	2.40E+00
2463	496956.82	3859164.83	1.53884	2.06E+00	2.17E+00	2.36E+00
2464	497056.82	3859164.83	1.44998	1.94E+00	2.04E+00	2.22E+00
2465	497156.82	3859164.83	1.33206	1.78E+00	1.87E+00	2.04E+00
2466	497256.82	3859164.83	1.35577	1.81E+00	1.91E+00	2.08E+00
2467	496856.82	3859264.83	1.52022	2.03E+00	2.14E+00	2.33E+00
2468	496956.82	3859264.83	1.54796	2.07E+00	2.18E+00	2.37E+00
2469	497056.82	3859264.83	1.57727	2.11E+00	2.22E+00	2.42E+00
2470	497156.82	3859264.83	1.5724	2.10E+00	2.21E+00	2.41E+00
2471	497256.82	3859264.83	1.50815	2.02E+00	2.12E+00	2.31E+00
2472	497088.92	3858620.93	1.11903	1.50E+00	1.57E+00	1.71E+00
2473	497138.92	3858620.93	1.10285	1.48E+00	1.55E+00	1.69E+00
2474	497188.92	3858620.93	1.0761	1.44E+00	1.51E+00	1.65E+00
2475	497238.92	3858620.93	1.05877	1.42E+00	1.49E+00	1.62E+00
2476	497088.92	3858670.93	1.16727	1.56E+00	1.64E+00	1.79E+00
2477	497138.92	3858670.93	1.15965	1.55E+00	1.63E+00	1.78E+00
2478	497188.92	3858670.93	1.13236	1.52E+00	1.59E+00	1.73E+00
2479	497238.92	3858670.93	1.12046	1.50E+00	1.58E+00	1.72E+00
2480	497088.92	3858720.93	1.22868	1.64E+00	1.73E+00	1.88E+00
2481	497138.92	3858720.93	1.18788	1.59E+00	1.67E+00	1.82E+00
2482	497188.92	3858720.93	1.1814	1.58E+00	1.66E+00	1.81E+00
2483	497238.92	3858720.93	1.18715	1.59E+00	1.67E+00	1.82E+00
2484	497088.92	3858770.93	1.23463	1.65E+00	1.74E+00	1.89E+00
2485	497138.92	3858770.93	1.23545	1.65E+00	1.74E+00	1.89E+00
2486	497188.92	3858770.93	1.23164	1.65E+00	1.73E+00	1.89E+00
2487	497238.92	3858770.93	1.23838	1.66E+00	1.74E+00	1.90E+00
2488	497396.65	3858622.63	1.13806	1.52E+00	1.60E+00	1.74E+00
2489	497496.65	3858622.63	1.1418	1.53E+00	1.61E+00	1.75E+00
2490	497596.65	3858622.63	1.14225	1.53E+00	1.61E+00	1.75E+00
2491	497696.65	3858622.63	1.13535	1.52E+00	1.60E+00	1.74E+00
2492	497796.65	3858622.63	1.15413	1.54E+00	1.62E+00	1.77E+00
2493	497896.65	3858622.63	1.23524	1.65E+00	1.74E+00	1.89E+00
2494	497396.65	3858722.63	1.18056	1.58E+00	1.66E+00	1.81E+00
2495	497496.65	3858722.63	1.21245	1.62E+00	1.71E+00	1.86E+00
2496	497596.65	3858722.63	1.23281	1.65E+00	1.73E+00	1.89E+00
2497	497696.65	3858722.63	1.21103	1.62E+00	1.70E+00	1.85E+00
2498	497796.65	3858722.63	1.18942	1.59E+00	1.67E+00	1.82E+00
2499	497896.65	3858722.63	1.20847	1.62E+00	1.70E+00	1.85E+00
2500	497396.65	3858822.63	1.32053	1.77E+00	1.86E+00	2.02E+00
2501	497496.65	3858822.63	1.32431	1.77E+00	1.86E+00	2.03E+00
2502	497596.65	3858822.63	1.28628	1.72E+00	1.81E+00	1.97E+00
2503	497696.65	3858822.63	1.309	1.75E+00	1.84E+00	2.00E+00
2504	497796.65	3858822.63	1.26292	1.69E+00	1.78E+00	1.93E+00
2505	497896.65	3858822.63	1.24169	1.66E+00	1.75E+00	1.90E+00
2506	497396.65	3858922.63	1.31373	1.76E+00	1.85E+00	2.01E+00
2507	497496.65	3858922.63	1.36586	1.83E+00	1.92E+00	2.09E+00
2508	497596.65	3858922.63	1.37389	1.84E+00	1.93E+00	2.10E+00
2509	497696.65	3858922.63	1.4043	1.88E+00	1.98E+00	2.15E+00
2510	497796.65	3858922.63	1.34317	1.80E+00	1.89E+00	2.06E+00
2511	497896.65	3858922.63	1.36628	1.83E+00	1.92E+00	2.09E+00
2512	497364.44	3858201.52	0.97038	1.30E+00	1.37E+00	1.49E+00
2513	497414.44	3858201.52	1.01659	1.36E+00	1.43E+00	1.56E+00
2514	497464.44	3858201.52	1.0688	1.43E+00	1.50E+00	1.64E+00
2515	497514.44	3858201.52	1.08167	1.45E+00	1.52E+00	1.66E+00
2516	497564.44	3858201.52	1.07277	1.44E+00	1.51E+00	1.64E+00

2517	497614.44	3858201.52	1.09002	1.46E+00	1.53E+00	1.67E+00
2518	497364.44	3858251.52	0.98729	1.32E+00	1.39E+00	1.51E+00
2519	497414.44	3858251.52	1.04669	1.40E+00	1.47E+00	1.60E+00
2520	497464.44	3858251.52	1.03773	1.39E+00	1.46E+00	1.59E+00
2521	497514.44	3858251.52	1.0406	1.39E+00	1.46E+00	1.59E+00
2522	497564.44	3858251.52	1.06284	1.42E+00	1.50E+00	1.63E+00
2523	497614.44	3858251.52	1.07727	1.44E+00	1.52E+00	1.65E+00
2524	497364.44	3858301.52	0.94353	1.26E+00	1.33E+00	1.44E+00
2525	497414.44	3858301.52	0.98613	1.32E+00	1.39E+00	1.51E+00
2526	497464.44	3858301.52	1.00494	1.35E+00	1.41E+00	1.54E+00
2527	497514.44	3858301.52	1.0283	1.38E+00	1.45E+00	1.57E+00
2528	497564.44	3858301.52	1.02167	1.37E+00	1.44E+00	1.56E+00
2529	497614.44	3858301.52	1.0276	1.38E+00	1.45E+00	1.57E+00
2530	497364.44	3858351.52	0.95338	1.28E+00	1.34E+00	1.46E+00
2531	497414.44	3858351.52	0.94496	1.26E+00	1.33E+00	1.45E+00
2532	497464.44	3858351.52	0.95581	1.28E+00	1.34E+00	1.46E+00
2533	497514.44	3858351.52	0.97577	1.31E+00	1.37E+00	1.49E+00
2534	497564.44	3858351.52	0.97547	1.31E+00	1.37E+00	1.49E+00
2535	497614.44	3858351.52	1.01459	1.36E+00	1.43E+00	1.55E+00
2536	497364.44	3858401.52	0.98019	1.31E+00	1.38E+00	1.50E+00
2537	497414.44	3858401.52	0.96513	1.29E+00	1.36E+00	1.48E+00
2538	497464.44	3858401.52	0.94127	1.26E+00	1.32E+00	1.44E+00
2539	497514.44	3858401.52	0.94215	1.26E+00	1.33E+00	1.44E+00
2540	497564.44	3858401.52	0.97236	1.30E+00	1.37E+00	1.49E+00
2541	497614.44	3858401.52	1.01564	1.36E+00	1.43E+00	1.56E+00
2542	493478.11	3860497.94	4.86448	6.51E+00	6.84E+00	7.45E+00
2543	493528.11	3860497.94	4.77938	6.40E+00	6.72E+00	7.32E+00
2544	493478.11	3860547.94	4.91527	6.58E+00	6.92E+00	7.53E+00
2545	493528.11	3860547.94	4.79545	6.42E+00	6.75E+00	7.34E+00
2546	493478.11	3860597.94	5.02135	6.72E+00	7.07E+00	7.69E+00
2547	493528.11	3860597.94	4.90884	6.57E+00	6.91E+00	7.52E+00
2548	493561.88	3860524.64	4.71669	6.31E+00	6.64E+00	7.22E+00
2549	493591.88	3860524.64	4.67772	6.26E+00	6.58E+00	7.16E+00
2550	493561.88	3860554.64	4.73803	6.34E+00	6.67E+00	7.25E+00
2551	493591.88	3860554.64	4.68796	6.27E+00	6.60E+00	7.18E+00
2552	492880.5	3860293.11	5.88321	7.87E+00	8.28E+00	9.01E+00
2553	492930.5	3860293.11	5.70412	7.63E+00	8.03E+00	8.73E+00
2554	492980.5	3860293.11	5.52738	7.40E+00	7.78E+00	8.46E+00
2555	493030.5	3860293.11	5.7042	7.63E+00	8.03E+00	8.73E+00
2556	493080.5	3860293.11	5.54614	7.42E+00	7.80E+00	8.49E+00
2557	493130.5	3860293.11	5.43641	7.28E+00	7.65E+00	8.32E+00
2558	493180.5	3860293.11	5.15683	6.90E+00	7.26E+00	7.90E+00
2559	493230.5	3860293.11	5.0299	6.73E+00	7.08E+00	7.70E+00
2560	493280.5	3860293.11	4.98957	6.68E+00	7.02E+00	7.64E+00
2561	493330.5	3860293.11	4.86996	6.52E+00	6.85E+00	7.46E+00
2562	493380.5	3860293.11	4.7816	6.40E+00	6.73E+00	7.32E+00
2563	492880.5	3860343.11	6.00233	8.03E+00	8.45E+00	9.19E+00
2564	492930.5	3860343.11	5.89515	7.89E+00	8.29E+00	9.03E+00
2565	492980.5	3860343.11	5.8217	7.79E+00	8.19E+00	8.91E+00
2566	493030.5	3860343.11	5.69117	7.62E+00	8.01E+00	8.71E+00
2567	493080.5	3860343.11	5.92313	7.93E+00	8.33E+00	9.07E+00
2568	493130.5	3860343.11	5.72958	7.67E+00	8.06E+00	8.77E+00
2569	493180.5	3860343.11	5.24246	7.02E+00	7.38E+00	8.03E+00
2570	493230.5	3860343.11	5.07973	6.80E+00	7.15E+00	7.78E+00
2571	493280.5	3860343.11	5.15561	6.90E+00	7.25E+00	7.89E+00
2572	493330.5	3860343.11	5.10489	6.83E+00	7.18E+00	7.82E+00
2573	493380.5	3860343.11	4.95473	6.63E+00	6.97E+00	7.59E+00
2574	492880.5	3860393.11	6.17352	8.26E+00	8.69E+00	9.45E+00
2575	492930.5	3860393.11	5.97587	8.00E+00	8.41E+00	9.15E+00
2576	492980.5	3860393.11	5.85714	7.84E+00	8.24E+00	8.97E+00
2577	493030.5	3860393.11	5.70871	7.64E+00	8.03E+00	8.74E+00
2578	493080.5	3860393.11	5.87445	7.86E+00	8.27E+00	8.99E+00
2579	493130.5	3860393.11	5.62062	7.52E+00	7.91E+00	8.61E+00

2580	493180.5	3860393.11	5.37089	7.19E+00	7.56E+00	8.22E+00
2581	493230.5	3860393.11	5.2206	6.99E+00	7.35E+00	7.99E+00
2582	493280.5	3860393.11	5.27412	7.06E+00	7.42E+00	8.08E+00
2583	493330.5	3860393.11	5.27575	7.06E+00	7.42E+00	8.08E+00
2584	493380.5	3860393.11	5.15309	6.90E+00	7.25E+00	7.89E+00
2585	492880.5	3860443.11	6.43611	8.61E+00	9.06E+00	9.85E+00
2586	492930.5	3860443.11	6.22468	8.33E+00	8.76E+00	9.53E+00
2587	492980.5	3860443.11	5.98738	8.01E+00	8.42E+00	9.17E+00
2588	493030.5	3860443.11	5.83497	7.81E+00	8.21E+00	8.93E+00
2589	493080.5	3860443.11	5.68828	7.61E+00	8.00E+00	8.71E+00
2590	493130.5	3860443.11	5.55549	7.44E+00	7.82E+00	8.51E+00
2591	493180.5	3860443.11	5.39872	7.23E+00	7.60E+00	8.27E+00
2592	493230.5	3860443.11	5.30882	7.11E+00	7.47E+00	8.13E+00
2593	493280.5	3860443.11	5.25411	7.03E+00	7.39E+00	8.05E+00
2594	493330.5	3860443.11	5.23736	7.01E+00	7.37E+00	8.02E+00
2595	493380.5	3860443.11	5.12103	6.85E+00	7.21E+00	7.84E+00
2596	493180.5	3860493.11	5.52261	7.39E+00	7.77E+00	8.46E+00
2597	493230.5	3860493.11	5.39216	7.22E+00	7.59E+00	8.26E+00
2598	493280.5	3860493.11	5.29762	7.09E+00	7.45E+00	8.11E+00
2599	493330.5	3860493.11	5.17138	6.92E+00	7.28E+00	7.92E+00
2600	493380.5	3860493.11	5.0562	6.77E+00	7.11E+00	7.74E+00
2601	493330.5	3860543.11	5.23816	7.01E+00	7.37E+00	8.02E+00
2602	493380.5	3860543.11	5.12598	6.86E+00	7.21E+00	7.85E+00
2603	494135.94	3860876.85	4.20951	5.63E+00	5.92E+00	6.45E+00
2604	494185.94	3860876.85	4.10183	5.49E+00	5.77E+00	6.28E+00
2605	494135.94	3860926.85	4.29048	5.74E+00	6.04E+00	6.57E+00
2606	494185.94	3860926.85	4.24152	5.68E+00	5.97E+00	6.49E+00
2607	494135.94	3860976.85	4.32851	5.79E+00	6.09E+00	6.63E+00
2608	494185.94	3860976.85	4.27126	5.72E+00	6.01E+00	6.54E+00
2609	494135.94	3861026.85	4.40056	5.89E+00	6.19E+00	6.74E+00
2610	494185.94	3861026.85	4.34574	5.82E+00	6.11E+00	6.65E+00
2611	494135.94	3861076.85	4.52823	6.06E+00	6.37E+00	6.93E+00
2612	494185.94	3861076.85	4.36193	5.84E+00	6.14E+00	6.68E+00
2613	490360.04	3858710.04	3.64846	4.88E+00	5.13E+00	5.59E+00
2614	490410.04	3858710.04	3.49339	4.68E+00	4.92E+00	5.35E+00
2615	490460.04	3858710.04	3.25971	4.36E+00	4.59E+00	4.99E+00
2616	490510.04	3858710.04	3.12222	4.18E+00	4.39E+00	4.78E+00
2617	490560.04	3858710.04	3.01553	4.04E+00	4.24E+00	4.62E+00
2618	490610.04	3858710.04	2.81381	3.77E+00	3.96E+00	4.31E+00
2619	490660.04	3858710.04	2.74797	3.68E+00	3.87E+00	4.21E+00
2620	490710.04	3858710.04	2.57101	3.44E+00	3.62E+00	3.94E+00
2621	490760.04	3858710.04	2.44935	3.28E+00	3.45E+00	3.75E+00
2622	490810.04	3858710.04	2.3425	3.14E+00	3.30E+00	3.59E+00
2623	490860.04	3858710.04	2.22472	2.98E+00	3.13E+00	3.41E+00
2624	490360.04	3858760.04	3.79206	5.08E+00	5.34E+00	5.81E+00
2625	490410.04	3858760.04	3.58461	4.80E+00	5.04E+00	5.49E+00
2626	490460.04	3858760.04	3.38492	4.53E+00	4.76E+00	5.18E+00
2627	490510.04	3858760.04	3.16478	4.24E+00	4.45E+00	4.85E+00
2628	490560.04	3858760.04	3.00935	4.03E+00	4.23E+00	4.61E+00
2629	490610.04	3858760.04	2.80282	3.75E+00	3.94E+00	4.29E+00
2630	490660.04	3858760.04	2.67951	3.59E+00	3.77E+00	4.10E+00
2631	490710.04	3858760.04	2.54709	3.41E+00	3.58E+00	3.90E+00
2632	490760.04	3858760.04	2.38528	3.19E+00	3.36E+00	3.65E+00
2633	490810.04	3858760.04	2.27342	3.04E+00	3.20E+00	3.48E+00
2634	490860.04	3858760.04	2.21604	2.97E+00	3.12E+00	3.39E+00
2635	490360.04	3858810.04	3.88279	5.20E+00	5.46E+00	5.95E+00
2636	490410.04	3858810.04	3.66685	4.91E+00	5.16E+00	5.61E+00
2637	490460.04	3858810.04	3.40468	4.56E+00	4.79E+00	5.21E+00
2638	490510.04	3858810.04	3.26453	4.37E+00	4.59E+00	5.00E+00
2639	490560.04	3858810.04	3.08933	4.13E+00	4.35E+00	4.73E+00
2640	490610.04	3858810.04	2.83961	3.80E+00	4.00E+00	4.35E+00
2641	490660.04	3858810.04	2.68248	3.59E+00	3.77E+00	4.11E+00
2642	490710.04	3858810.04	2.48865	3.33E+00	3.50E+00	3.81E+00

2643	490760.04	3858810.04	2.29812	3.08E+00	3.23E+00	3.52E+00
2644	490810.04	3858810.04	2.2633	3.03E+00	3.18E+00	3.47E+00
2645	490860.04	3858810.04	2.17979	2.92E+00	3.07E+00	3.34E+00
2646	490360.04	3858860.04	3.90256	5.22E+00	5.49E+00	5.98E+00
2647	490410.04	3858860.04	3.78414	5.06E+00	5.32E+00	5.79E+00
2648	490460.04	3858860.04	3.47859	4.66E+00	4.89E+00	5.33E+00
2649	490510.04	3858860.04	3.37906	4.52E+00	4.75E+00	5.17E+00
2650	490560.04	3858860.04	3.12999	4.19E+00	4.40E+00	4.79E+00
2651	490610.04	3858860.04	2.82233	3.78E+00	3.97E+00	4.32E+00
2652	490660.04	3858860.04	2.64005	3.53E+00	3.71E+00	4.04E+00
2653	490710.04	3858860.04	2.54402	3.40E+00	3.58E+00	3.90E+00
2654	490760.04	3858860.04	2.34832	3.14E+00	3.30E+00	3.60E+00
2655	490810.04	3858860.04	2.19664	2.94E+00	3.09E+00	3.36E+00
2656	490860.04	3858860.04	2.09532	2.80E+00	2.95E+00	3.21E+00
2657	490360.04	3858910.04	4.22032	5.65E+00	5.94E+00	6.46E+00
2658	490410.04	3858910.04	3.91823	5.24E+00	5.51E+00	6.00E+00
2659	490460.04	3858910.04	3.63505	4.87E+00	5.11E+00	5.57E+00
2660	490510.04	3858910.04	3.39196	4.54E+00	4.77E+00	5.19E+00
2661	490560.04	3858910.04	3.10627	4.16E+00	4.37E+00	4.76E+00
2662	490610.04	3858910.04	2.83826	3.80E+00	3.99E+00	4.35E+00
2663	490660.04	3858910.04	2.66295	3.56E+00	3.75E+00	4.08E+00
2664	490710.04	3858910.04	2.4547	3.29E+00	3.45E+00	3.76E+00
2665	490760.04	3858910.04	2.28412	3.06E+00	3.21E+00	3.50E+00
2666	490810.04	3858910.04	2.18497	2.92E+00	3.07E+00	3.35E+00
2667	490860.04	3858910.04	2.03973	2.73E+00	2.87E+00	3.12E+00
2668	490360.04	3858960.04	4.41368	5.91E+00	6.21E+00	6.76E+00
2669	490410.04	3858960.04	4.00555	5.36E+00	5.64E+00	6.13E+00
2670	490460.04	3858960.04	3.66126	4.90E+00	5.15E+00	5.61E+00
2671	490510.04	3858960.04	3.39695	4.55E+00	4.78E+00	5.20E+00
2672	490560.04	3858960.04	3.12773	4.19E+00	4.40E+00	4.79E+00
2673	490610.04	3858960.04	2.81025	3.76E+00	3.95E+00	4.30E+00
2674	490660.04	3858960.04	2.70547	3.62E+00	3.81E+00	4.14E+00
2675	490710.04	3858960.04	2.44196	3.27E+00	3.44E+00	3.74E+00
2676	490760.04	3858960.04	2.2735	3.04E+00	3.20E+00	3.48E+00
2677	490810.04	3858960.04	2.10165	2.81E+00	2.96E+00	3.22E+00
2678	490860.04	3858960.04	1.94674	2.61E+00	2.74E+00	2.98E+00
2679	490360.04	3859010.04	4.60433	6.16E+00	6.48E+00	7.05E+00
2680	490410.04	3859010.04	4.12744	5.52E+00	5.81E+00	6.32E+00
2681	490460.04	3859010.04	3.64147	4.87E+00	5.12E+00	5.58E+00
2682	490510.04	3859010.04	3.2759	4.38E+00	4.61E+00	5.02E+00
2683	490560.04	3859010.04	3.10823	4.16E+00	4.37E+00	4.76E+00
2684	490610.04	3859010.04	2.77771	3.72E+00	3.91E+00	4.25E+00
2685	490660.04	3859010.04	2.67915	3.59E+00	3.77E+00	4.10E+00
2686	490710.04	3859010.04	2.41294	3.23E+00	3.40E+00	3.69E+00
2687	490760.04	3859010.04	2.22327	2.98E+00	3.13E+00	3.40E+00
2688	490810.04	3859010.04	2.00402	2.68E+00	2.82E+00	3.07E+00
2689	490860.04	3859010.04	1.86574	2.50E+00	2.63E+00	2.86E+00
2690	490360.04	3859060.04	4.73179	6.33E+00	6.66E+00	7.25E+00
2691	490410.04	3859060.04	4.1141	5.51E+00	5.79E+00	6.30E+00
2692	490460.04	3859060.04	3.60137	4.82E+00	5.07E+00	5.51E+00
2693	490510.04	3859060.04	3.29306	4.41E+00	4.63E+00	5.04E+00
2694	490560.04	3859060.04	2.92935	3.92E+00	4.12E+00	4.49E+00
2695	490610.04	3859060.04	2.71518	3.63E+00	3.82E+00	4.16E+00
2696	490660.04	3859060.04	2.547	3.41E+00	3.58E+00	3.90E+00
2697	490710.04	3859060.04	2.32185	3.11E+00	3.27E+00	3.56E+00
2698	490760.04	3859060.04	2.0777	2.78E+00	2.92E+00	3.18E+00
2699	490810.04	3859060.04	1.87526	2.51E+00	2.64E+00	2.87E+00
2700	490860.04	3859060.04	1.75488	2.35E+00	2.47E+00	2.69E+00
2701	490360.04	3859110.04	5.03711	6.74E+00	7.09E+00	7.71E+00
2702	490410.04	3859110.04	4.3932	5.88E+00	6.18E+00	6.73E+00
2703	490460.04	3859110.04	3.9577	5.30E+00	5.57E+00	6.06E+00
2704	490510.04	3859110.04	3.21788	4.31E+00	4.53E+00	4.93E+00
2705	490560.04	3859110.04	2.8678	3.84E+00	4.04E+00	4.39E+00

2706	490610.04	3859110.04	2.56294	3.43E+00	3.61E+00	3.92E+00
2707	490660.04	3859110.04	2.27328	3.04E+00	3.20E+00	3.48E+00
2708	490710.04	3859110.04	2.18523	2.92E+00	3.07E+00	3.35E+00
2709	490760.04	3859110.04	1.97756	2.65E+00	2.78E+00	3.03E+00
2710	490810.04	3859110.04	1.77719	2.38E+00	2.50E+00	2.72E+00
2711	490860.04	3859110.04	1.62287	2.17E+00	2.28E+00	2.48E+00
2712	490360.04	3859160.04	5.54475	7.42E+00	7.80E+00	8.49E+00
2713	490410.04	3859160.04	4.74647	6.35E+00	6.68E+00	7.27E+00
2714	490460.04	3859160.04	4.1512	5.56E+00	5.84E+00	6.36E+00
2715	490510.04	3859160.04	3.59844	4.82E+00	5.06E+00	5.51E+00
2716	490560.04	3859160.04	3.00538	4.02E+00	4.23E+00	4.60E+00
2717	490610.04	3859160.04	2.71097	3.63E+00	3.81E+00	4.15E+00
2718	490660.04	3859160.04	2.21109	2.96E+00	3.11E+00	3.39E+00
2719	490710.04	3859160.04	2.0519	2.75E+00	2.89E+00	3.14E+00
2720	490760.04	3859160.04	1.75013	2.34E+00	2.46E+00	2.68E+00
2721	490810.04	3859160.04	1.6135	2.16E+00	2.27E+00	2.47E+00
2722	490860.04	3859160.04	1.56146	2.09E+00	2.20E+00	2.39E+00
2723	490360.04	3859210.04	6.20204	8.30E+00	8.73E+00	9.50E+00
2724	490410.04	3859210.04	5.59754	7.49E+00	7.88E+00	8.57E+00
2725	490460.04	3859210.04	4.3993	5.89E+00	6.19E+00	6.74E+00
2726	490510.04	3859210.04	3.80864	5.10E+00	5.36E+00	5.83E+00
2727	490560.04	3859210.04	3.39718	4.55E+00	4.78E+00	5.20E+00
2728	490610.04	3859210.04	2.94706	3.94E+00	4.15E+00	4.51E+00
2729	490660.04	3859210.04	2.36159	3.16E+00	3.32E+00	3.62E+00
2730	490710.04	3859210.04	2.04513	2.74E+00	2.88E+00	3.13E+00
2731	490760.04	3859210.04	1.82005	2.44E+00	2.56E+00	2.79E+00
2732	490810.04	3859210.04	1.79531	2.40E+00	2.53E+00	2.75E+00
2733	490860.04	3859210.04	1.73871	2.33E+00	2.45E+00	2.66E+00
2734	490360.04	3859260.04	6.65502	8.91E+00	9.36E+00	1.02E+01
2735	490410.04	3859260.04	6.04423	8.09E+00	8.50E+00	9.25E+00
2736	490460.04	3859260.04	5.44476	7.29E+00	7.66E+00	8.34E+00
2737	490510.04	3859260.04	4.68753	6.27E+00	6.60E+00	7.18E+00
2738	490560.04	3859260.04	4.08753	5.47E+00	5.75E+00	6.26E+00
2739	490610.04	3859260.04	3.34321	4.47E+00	4.70E+00	5.12E+00
2740	490660.04	3859260.04	3.21024	4.30E+00	4.52E+00	4.92E+00
2741	490710.04	3859260.04	2.77897	3.72E+00	3.91E+00	4.26E+00
2742	490760.04	3859260.04	2.36168	3.16E+00	3.32E+00	3.62E+00
2743	490810.04	3859260.04	2.26005	3.02E+00	3.18E+00	3.46E+00
2744	490860.04	3859260.04	2.19303	2.94E+00	3.09E+00	3.36E+00
2745	490360.04	3859310.04	7.52009	1.01E+01	1.06E+01	1.15E+01
2746	490410.04	3859310.04	6.83183	9.14E+00	9.61E+00	1.05E+01
2747	490460.04	3859310.04	6.20242	8.30E+00	8.73E+00	9.50E+00
2748	490510.04	3859310.04	5.72862	7.67E+00	8.06E+00	8.77E+00
2749	490560.04	3859310.04	5.04149	6.75E+00	7.09E+00	7.72E+00
2750	490610.04	3859310.04	4.63036	6.20E+00	6.52E+00	7.09E+00
2751	490660.04	3859310.04	4.15718	5.56E+00	5.85E+00	6.37E+00
2752	490710.04	3859310.04	3.39909	4.55E+00	4.78E+00	5.20E+00
2753	490760.04	3859310.04	3.02484	4.05E+00	4.26E+00	4.63E+00
2754	490810.04	3859310.04	2.84754	3.81E+00	4.01E+00	4.36E+00
2755	490860.04	3859310.04	2.5833	3.46E+00	3.63E+00	3.96E+00
2756	490360.04	3859360.04	8.42201	1.13E+01	1.19E+01	1.29E+01
2757	490410.04	3859360.04	8.08208	1.08E+01	1.14E+01	1.24E+01
2758	490460.04	3859360.04	7.4804	1.00E+01	1.05E+01	1.15E+01
2759	490510.04	3859360.04	6.9728	9.33E+00	9.81E+00	1.07E+01
2760	490560.04	3859360.04	6.14909	8.23E+00	8.65E+00	9.42E+00
2761	490610.04	3859360.04	5.40628	7.24E+00	7.61E+00	8.28E+00
2762	490660.04	3859360.04	4.82579	6.46E+00	6.79E+00	7.39E+00
2763	490710.04	3859360.04	4.22223	5.65E+00	5.94E+00	6.47E+00
2764	490760.04	3859360.04	3.66541	4.91E+00	5.16E+00	5.61E+00
2765	490810.04	3859360.04	3.54641	4.75E+00	4.99E+00	5.43E+00
2766	490860.04	3859360.04	3.24474	4.34E+00	4.57E+00	4.97E+00
2767	490360.04	3859410.04	9.6088	1.29E+01	1.35E+01	1.47E+01
2768	490410.04	3859410.04	9.10601	1.22E+01	1.28E+01	1.39E+01

2769	490460.04	3859410.04	8.74717	1.17E+01	1.23E+01	1.34E+01
2770	490510.04	3859410.04	8.09608	1.08E+01	1.14E+01	1.24E+01
2771	490560.04	3859410.04	7.56149	1.01E+01	1.06E+01	1.16E+01
2772	490610.04	3859410.04	6.76101	9.05E+00	9.51E+00	1.04E+01
2773	490660.04	3859410.04	5.70846	7.64E+00	8.03E+00	8.74E+00
2774	490710.04	3859410.04	5.09406	6.82E+00	7.17E+00	7.80E+00
2775	490760.04	3859410.04	4.4221	5.92E+00	6.22E+00	6.77E+00
2776	490810.04	3859410.04	4.2437	5.68E+00	5.97E+00	6.50E+00
2777	490860.04	3859410.04	4.14159	5.54E+00	5.83E+00	6.34E+00
2778	490360.04	3859460.04	11.05344	1.48E+01	1.56E+01	1.69E+01
2779	490410.04	3859460.04	10.42047	1.39E+01	1.47E+01	1.60E+01
2780	490460.04	3859460.04	9.53431	1.28E+01	1.34E+01	1.46E+01
2781	490510.04	3859460.04	9.40287	1.26E+01	1.32E+01	1.44E+01
2782	490560.04	3859460.04	8.64661	1.16E+01	1.22E+01	1.32E+01
2783	490610.04	3859460.04	8.04277	1.08E+01	1.13E+01	1.23E+01
2784	490660.04	3859460.04	7.09656	9.50E+00	9.99E+00	1.09E+01
2785	490710.04	3859460.04	6.21753	8.32E+00	8.75E+00	9.52E+00
2786	490760.04	3859460.04	5.71097	7.64E+00	8.04E+00	8.74E+00
2787	490810.04	3859460.04	5.23709	7.01E+00	7.37E+00	8.02E+00
2788	490860.04	3859460.04	5.03271	6.74E+00	7.08E+00	7.71E+00
2789	490360.04	3859510.04	13.24663	1.77E+01	1.86E+01	2.03E+01
2790	490410.04	3859510.04	12.38398	1.66E+01	1.74E+01	1.90E+01
2791	490460.04	3859510.04	11.34302	1.52E+01	1.60E+01	1.74E+01
2792	490510.04	3859510.04	10.36494	1.39E+01	1.46E+01	1.59E+01
2793	490560.04	3859510.04	10.15061	1.36E+01	1.43E+01	1.55E+01
2794	490610.04	3859510.04	9.28033	1.24E+01	1.31E+01	1.42E+01
2795	490660.04	3859510.04	8.59045	1.15E+01	1.21E+01	1.32E+01
2796	490710.04	3859510.04	7.61612	1.02E+01	1.07E+01	1.17E+01
2797	490760.04	3859510.04	6.67768	8.94E+00	9.40E+00	1.02E+01
2798	490810.04	3859510.04	6.26143	8.38E+00	8.81E+00	9.59E+00
2799	490860.04	3859510.04	5.82409	7.80E+00	8.19E+00	8.92E+00
2800	490360.04	3859560.04	16.56716	2.22E+01	2.33E+01	2.54E+01
2801	490410.04	3859560.04	14.75613	1.97E+01	2.08E+01	2.26E+01
2802	490460.04	3859560.04	13.67014	1.83E+01	1.92E+01	2.09E+01
2803	490510.04	3859560.04	12.42912	1.66E+01	1.75E+01	1.90E+01
2804	490560.04	3859560.04	11.78888	1.58E+01	1.66E+01	1.81E+01
2805	490610.04	3859560.04	10.77755	1.44E+01	1.52E+01	1.65E+01
2806	490660.04	3859560.04	10.07612	1.35E+01	1.42E+01	1.54E+01
2807	490710.04	3859560.04	9.29307	1.24E+01	1.31E+01	1.42E+01
2808	490760.04	3859560.04	8.17676	1.09E+01	1.15E+01	1.25E+01
2809	490810.04	3859560.04	7.19363	9.63E+00	1.01E+01	1.10E+01
2810	490860.04	3859560.04	6.51638	8.72E+00	9.17E+00	9.98E+00
2811	490187.25	3859422.08	12.73146	1.70E+01	1.79E+01	1.95E+01
2812	490237.25	3859422.08	11.78197	1.58E+01	1.66E+01	1.80E+01
2813	490287.25	3859422.08	10.98357	1.47E+01	1.55E+01	1.68E+01
2814	490337.25	3859422.08	10.05745	1.35E+01	1.42E+01	1.54E+01
2815	490187.25	3859472.08	15.97777	2.14E+01	2.25E+01	2.45E+01
2816	490237.25	3859472.08	14.07818	1.88E+01	1.98E+01	2.16E+01
2817	490287.25	3859472.08	12.7744	1.71E+01	1.80E+01	1.96E+01
2818	490337.25	3859472.08	12.01166	1.61E+01	1.69E+01	1.84E+01
2819	490297.07	3859500.42	14.01619	1.88E+01	1.97E+01	2.15E+01
2820	490327.07	3859500.42	13.45563	1.80E+01	1.89E+01	2.06E+01
2821	490297.07	3859530.42	16.51415	2.21E+01	2.32E+01	2.53E+01
2822	490327.07	3859530.42	15.24017	2.04E+01	2.14E+01	2.33E+01
2823	490319.73	3859055.34	5.1668	6.92E+00	7.27E+00	7.91E+00
2824	490319.73	3859105.34	5.52035	7.39E+00	7.77E+00	8.45E+00
2825	490069.73	3859155.34	7.49717	1.00E+01	1.05E+01	1.15E+01
2826	490119.73	3859155.34	7.11769	9.53E+00	1.00E+01	1.09E+01
2827	490269.73	3859155.34	6.76114	9.05E+00	9.51E+00	1.04E+01
2828	490319.73	3859155.34	6.11301	8.18E+00	8.60E+00	9.36E+00
2829	490069.73	3859205.34	8.39459	1.12E+01	1.18E+01	1.29E+01
2830	490119.73	3859205.34	8.15626	1.09E+01	1.15E+01	1.25E+01
2831	490169.73	3859205.34	7.58964	1.02E+01	1.07E+01	1.16E+01

2832	490219.73	3859205.34	7.48974	1.00E+01	1.05E+01	1.15E+01
2833	490269.73	3859205.34	6.90192	9.24E+00	9.71E+00	1.06E+01
2834	490319.73	3859205.34	6.68288	8.94E+00	9.40E+00	1.02E+01
2835	490069.73	3859255.34	9.48516	1.27E+01	1.33E+01	1.45E+01
2836	490119.73	3859255.34	8.93662	1.20E+01	1.26E+01	1.37E+01
2837	490169.73	3859255.34	8.6296	1.16E+01	1.21E+01	1.32E+01
2838	490219.73	3859255.34	7.89778	1.06E+01	1.11E+01	1.21E+01
2839	490269.73	3859255.34	7.75437	1.04E+01	1.09E+01	1.19E+01
2840	490319.73	3859255.34	7.18325	9.61E+00	1.01E+01	1.10E+01
2841	490069.73	3859305.34	10.43274	1.40E+01	1.47E+01	1.60E+01
2842	490119.73	3859305.34	10.00203	1.34E+01	1.41E+01	1.53E+01
2843	490169.73	3859305.34	9.35247	1.25E+01	1.32E+01	1.43E+01
2844	490219.73	3859305.34	8.94394	1.20E+01	1.26E+01	1.37E+01
2845	490269.73	3859305.34	8.35911	1.12E+01	1.18E+01	1.28E+01
2846	490319.73	3859305.34	8.03801	1.08E+01	1.13E+01	1.23E+01
2847	490069.73	3859355.34	12.21823	1.64E+01	1.72E+01	1.87E+01
2848	490119.73	3859355.34	11.36654	1.52E+01	1.60E+01	1.74E+01
2849	490169.73	3859355.34	10.73964	1.44E+01	1.51E+01	1.64E+01
2850	490219.73	3859355.34	10.09615	1.35E+01	1.42E+01	1.55E+01
2851	490269.73	3859355.34	9.3444	1.25E+01	1.31E+01	1.43E+01
2852	490319.73	3859355.34	8.89744	1.19E+01	1.25E+01	1.36E+01
2853	490069.73	3859405.34	15.04784	2.01E+01	2.12E+01	2.30E+01
2854	490119.73	3859405.34	13.4856	1.80E+01	1.90E+01	2.06E+01
2855	490169.73	3859405.34	12.41001	1.66E+01	1.75E+01	1.90E+01
2856	490219.73	3859405.34	11.53618	1.54E+01	1.62E+01	1.77E+01
2857	490269.73	3859405.34	10.74864	1.44E+01	1.51E+01	1.65E+01
2858	490319.73	3859405.34	9.84237	1.32E+01	1.38E+01	1.51E+01
2859	490161.89	3859541.83	23.85084	3.19E+01	3.36E+01	3.65E+01
2860	490171.89	3859541.83	23.39676	3.13E+01	3.29E+01	3.58E+01
2861	490161.89	3859551.83	25.68183	3.44E+01	3.61E+01	3.93E+01
2862	490171.89	3859551.83	24.97091	3.34E+01	3.51E+01	3.82E+01
2863	489799.72	3859348.21	21.16298	2.83E+01	2.98E+01	3.24E+01
2864	489819.72	3859348.21	19.74701	2.64E+01	2.78E+01	3.02E+01
2865	489799.72	3859368.21	24.53958	3.28E+01	3.45E+01	3.76E+01
2866	489819.72	3859368.21	22.76967	3.05E+01	3.20E+01	3.49E+01
2867	489775.41	3859329.72	20.32343	2.72E+01	2.86E+01	3.11E+01
2868	489795.41	3859329.72	19.08059	2.55E+01	2.68E+01	2.92E+01
2869	489775.41	3859349.72	23.46966	3.14E+01	3.30E+01	3.59E+01
2870	489795.41	3859349.72	21.73655	2.91E+01	3.06E+01	3.33E+01
2871	489595.05	3859219.43	18.22913	2.44E+01	2.56E+01	2.79E+01
2872	489615.05	3859219.43	17.29408	2.31E+01	2.43E+01	2.65E+01
2873	489595.05	3859239.43	20.68355	2.77E+01	2.91E+01	3.17E+01
2874	489615.05	3859239.43	19.38296	2.59E+01	2.73E+01	2.97E+01
2875	489372.4	3859092.58	17.4778	2.34E+01	2.46E+01	2.68E+01
2876	489422.4	3859092.58	15.15079	2.03E+01	2.13E+01	2.32E+01
2877	489372.4	3859142.58	24.08201	3.22E+01	3.39E+01	3.69E+01
2878	489422.4	3859142.58	20.1924	2.70E+01	2.84E+01	3.09E+01
2879	488870.84	3858666.64	10.13773	1.36E+01	1.43E+01	1.55E+01
2880	488900.84	3858666.64	9.46138	1.27E+01	1.33E+01	1.45E+01
2881	488870.84	3858696.64	10.98967	1.47E+01	1.55E+01	1.68E+01
2882	488900.84	3858696.64	10.49237	1.40E+01	1.48E+01	1.61E+01
2883	488889.67	3858683.97	10.31961	1.38E+01	1.45E+01	1.58E+01
2884	488919.67	3858683.97	9.64015	1.29E+01	1.36E+01	1.48E+01
2885	488889.67	3858713.97	11.21216	1.50E+01	1.58E+01	1.72E+01
2886	488919.67	3858713.97	10.67783	1.43E+01	1.50E+01	1.63E+01
2887	488906.61	3858703.33	10.58653	1.42E+01	1.49E+01	1.62E+01
2888	488936.61	3858703.33	10.013	1.34E+01	1.41E+01	1.53E+01
2889	488906.61	3858733.33	11.57107	1.55E+01	1.63E+01	1.77E+01
2890	488936.61	3858733.33	10.97743	1.47E+01	1.54E+01	1.68E+01
2891	488637.63	3858467.85	8.00212	1.07E+01	1.13E+01	1.23E+01
2892	488662.63	3858467.85	7.75301	1.04E+01	1.09E+01	1.19E+01
2893	488637.63	3858492.85	8.59494	1.15E+01	1.21E+01	1.32E+01
2894	488662.63	3858492.85	8.21676	1.10E+01	1.16E+01	1.26E+01

2895	488687.63	3858492.85	8.06344	1.08E+01	1.13E+01	1.23E+01
2896	488637.63	3858517.85	9.25961	1.24E+01	1.30E+01	1.42E+01
2897	488662.63	3858517.85	8.86195	1.19E+01	1.25E+01	1.36E+01
2898	488687.63	3858517.85	8.52872	1.14E+01	1.20E+01	1.31E+01
2899	488194.42	3857168.98	2.99847	4.01E+00	4.22E+00	4.59E+00
2900	488244.42	3857168.98	2.90144	3.88E+00	4.08E+00	4.44E+00
2901	488294.42	3857168.98	2.87217	3.84E+00	4.04E+00	4.40E+00
2902	488244.42	3857218.98	3.00851	4.03E+00	4.23E+00	4.61E+00
2903	488294.42	3857218.98	2.89428	3.87E+00	4.07E+00	4.43E+00
2904	488294.42	3857268.98	2.99784	4.01E+00	4.22E+00	4.59E+00
2905	488139.13	3857111.68	2.99857	4.01E+00	4.22E+00	4.59E+00
2906	488189.13	3857111.68	2.93078	3.92E+00	4.12E+00	4.49E+00
2907	488189.13	3857161.68	2.99427	4.01E+00	4.21E+00	4.58E+00
2908	487951.04	3856961.26	2.9669	3.97E+00	4.17E+00	4.54E+00
2909	488001.04	3856961.26	2.97571	3.98E+00	4.19E+00	4.56E+00
2910	488051.04	3856961.26	3.01364	4.03E+00	4.24E+00	4.61E+00
2911	488101.04	3856961.26	3.05139	4.08E+00	4.29E+00	4.67E+00
2912	487951.04	3857011.26	2.99723	4.01E+00	4.22E+00	4.59E+00
2913	488001.04	3857011.26	2.96367	3.97E+00	4.17E+00	4.54E+00
2914	488051.04	3857011.26	2.93621	3.93E+00	4.13E+00	4.50E+00
2915	488101.04	3857011.26	2.99426	4.01E+00	4.21E+00	4.58E+00
2916	488001.04	3857061.26	3.00705	4.02E+00	4.23E+00	4.60E+00
2917	488051.04	3857061.26	2.98027	3.99E+00	4.19E+00	4.56E+00
2918	488101.04	3857061.26	2.97276	3.98E+00	4.18E+00	4.55E+00
2919	487638.98	3856673.79	2.88859	3.87E+00	4.06E+00	4.42E+00
2920	487688.98	3856673.79	2.96988	3.97E+00	4.18E+00	4.55E+00
2921	487638.98	3856723.79	2.85702	3.82E+00	4.02E+00	4.37E+00
2922	487688.98	3856723.79	2.89593	3.88E+00	4.07E+00	4.43E+00
2923	486324.61	3855740.57	3.75733	5.03E+00	5.29E+00	5.75E+00
2924	486374.61	3855740.57	3.69975	4.95E+00	5.21E+00	5.67E+00
2925	486424.61	3855740.57	3.79728	5.08E+00	5.34E+00	5.81E+00
2926	486324.61	3855790.57	3.7482	5.02E+00	5.27E+00	5.74E+00
2927	486374.61	3855790.57	3.69976	4.95E+00	5.21E+00	5.67E+00
2928	486424.61	3855790.57	3.63188	4.86E+00	5.11E+00	5.56E+00
2929	486324.61	3855840.57	3.6377	4.87E+00	5.12E+00	5.57E+00
2930	486374.61	3855840.57	3.67612	4.92E+00	5.17E+00	5.63E+00
2931	486424.61	3855840.57	3.65193	4.89E+00	5.14E+00	5.59E+00
2932	486324.61	3855890.57	3.65714	4.89E+00	5.15E+00	5.60E+00
2933	486374.61	3855890.57	3.60511	4.83E+00	5.07E+00	5.52E+00
2934	486424.61	3855890.57	3.58305	4.80E+00	5.04E+00	5.49E+00
2935	488735.69	3858285.64	5.77845	7.73E+00	8.13E+00	8.85E+00
2936	488765.69	3858285.64	5.73972	7.68E+00	8.08E+00	8.79E+00
2937	488735.69	3858315.64	5.95848	7.97E+00	8.38E+00	9.12E+00
2938	488765.69	3858315.64	5.92888	7.94E+00	8.34E+00	9.08E+00
2939	478676.63	3849871.93	9.65871	1.29E+01	1.36E+01	1.48E+01
2940	479326.63	3849871.93	6.76126	9.05E+00	9.51E+00	1.04E+01
2941	479376.63	3849871.93	6.63118	8.88E+00	9.33E+00	1.02E+01
2942	479426.63	3849871.93	6.60456	8.84E+00	9.29E+00	1.01E+01
2943	478726.63	3849921.93	10.09218	1.35E+01	1.42E+01	1.55E+01
2944	478776.63	3849921.93	9.71527	1.30E+01	1.37E+01	1.49E+01
2945	478826.63	3849921.93	9.28962	1.24E+01	1.31E+01	1.42E+01
2946	478976.63	3849921.93	8.37633	1.12E+01	1.18E+01	1.28E+01
2947	479026.63	3849921.93	8.08825	1.08E+01	1.14E+01	1.24E+01
2948	479076.63	3849921.93	7.87693	1.05E+01	1.11E+01	1.21E+01
2949	479126.63	3849921.93	7.67676	1.03E+01	1.08E+01	1.18E+01
2950	479176.63	3849921.93	7.59145	1.02E+01	1.07E+01	1.16E+01
2951	479226.63	3849921.93	7.45225	9.97E+00	1.05E+01	1.14E+01
2952	479276.63	3849921.93	7.13365	9.55E+00	1.00E+01	1.09E+01
2953	479326.63	3849921.93	7.088	9.49E+00	9.97E+00	1.09E+01
2954	479376.63	3849921.93	6.92446	9.27E+00	9.74E+00	1.06E+01
2955	479426.63	3849921.93	6.84217	9.16E+00	9.63E+00	1.05E+01
2956	478726.63	3849971.93	10.92836	1.46E+01	1.54E+01	1.67E+01
2957	478776.63	3849971.93	10.38592	1.39E+01	1.46E+01	1.59E+01

2958	478826.63	3849971.93	9.99602	1.34E+01	1.41E+01	1.53E+01
2959	478976.63	3849971.93	8.99716	1.20E+01	1.27E+01	1.38E+01
2960	479026.63	3849971.93	8.70061	1.16E+01	1.22E+01	1.33E+01
2961	479076.63	3849971.93	8.4051	1.12E+01	1.18E+01	1.29E+01
2962	479126.63	3849971.93	8.15039	1.09E+01	1.15E+01	1.25E+01
2963	479176.63	3849971.93	7.92618	1.06E+01	1.12E+01	1.21E+01
2964	479226.63	3849971.93	7.78716	1.04E+01	1.10E+01	1.19E+01
2965	479276.63	3849971.93	7.69531	1.03E+01	1.08E+01	1.18E+01
2966	479326.63	3849971.93	7.54285	1.01E+01	1.06E+01	1.15E+01
2967	479376.63	3849971.93	7.2959	9.77E+00	1.03E+01	1.12E+01
2968	479426.63	3849971.93	7.22149	9.67E+00	1.02E+01	1.11E+01
2969	478726.63	3850021.93	12.00562	1.61E+01	1.69E+01	1.84E+01
2970	478776.63	3850021.93	11.19407	1.50E+01	1.58E+01	1.71E+01
2971	478826.63	3850021.93	10.7324	1.44E+01	1.51E+01	1.64E+01
2972	478976.63	3850021.93	9.68361	1.30E+01	1.36E+01	1.48E+01
2973	478726.63	3850071.93	13.3183	1.78E+01	1.87E+01	2.04E+01
2974	478776.63	3850071.93	12.59255	1.69E+01	1.77E+01	1.93E+01
2975	478826.63	3850071.93	11.93567	1.60E+01	1.68E+01	1.83E+01
2976	478876.63	3850071.93	11.19919	1.50E+01	1.58E+01	1.71E+01
2977	478976.63	3850071.93	10.24223	1.37E+01	1.44E+01	1.57E+01
2978	478726.63	3850121.93	15.35509	2.06E+01	2.16E+01	2.35E+01
2979	478776.63	3850121.93	14.28319	1.91E+01	2.01E+01	2.19E+01
2980	478826.63	3850121.93	13.30502	1.78E+01	1.87E+01	2.04E+01
2981	478876.63	3850121.93	12.46393	1.67E+01	1.75E+01	1.91E+01
2982	478976.63	3850121.93	11.11487	1.49E+01	1.56E+01	1.70E+01
2983	479026.63	3850121.93	10.61505	1.42E+01	1.49E+01	1.63E+01
2984	479076.63	3850121.93	10.16982	1.36E+01	1.43E+01	1.56E+01
2985	479126.63	3850121.93	9.80349	1.31E+01	1.38E+01	1.50E+01
2986	478776.63	3850171.93	16.33208	2.19E+01	2.30E+01	2.50E+01
2987	478826.63	3850171.93	15.23533	2.04E+01	2.14E+01	2.33E+01
2988	478876.63	3850171.93	14.36288	1.92E+01	2.02E+01	2.20E+01
2989	478976.63	3850171.93	12.42901	1.66E+01	1.75E+01	1.90E+01
2990	479026.63	3850171.93	11.73523	1.57E+01	1.65E+01	1.80E+01
2991	479076.63	3850171.93	11.17247	1.50E+01	1.57E+01	1.71E+01
2992	479126.63	3850171.93	10.57731	1.42E+01	1.49E+01	1.62E+01
2993	479176.63	3850171.93	10.27215	1.37E+01	1.45E+01	1.57E+01
2994	479226.63	3850171.93	9.93944	1.33E+01	1.40E+01	1.52E+01
2995	479276.63	3850171.93	9.55804	1.28E+01	1.34E+01	1.46E+01
2996	479326.63	3850171.93	9.43573	1.26E+01	1.33E+01	1.44E+01
2997	479376.63	3850171.93	9.09924	1.22E+01	1.28E+01	1.39E+01
2998	478676.63	3850221.93	23.77826	3.18E+01	3.35E+01	3.64E+01
2999	478726.63	3850221.93	21.25591	2.84E+01	2.99E+01	3.25E+01
3000	478976.63	3850221.93	14.32662	1.92E+01	2.02E+01	2.19E+01
3001	479026.63	3850221.93	13.39011	1.79E+01	1.88E+01	2.05E+01
3002	479076.63	3850221.93	12.48464	1.67E+01	1.76E+01	1.91E+01
3003	479126.63	3850221.93	11.70085	1.57E+01	1.65E+01	1.79E+01
3004	479176.63	3850221.93	11.1219	1.49E+01	1.56E+01	1.70E+01
3005	479226.63	3850221.93	10.64481	1.42E+01	1.50E+01	1.63E+01
3006	479276.63	3850221.93	10.41995	1.39E+01	1.47E+01	1.60E+01
3007	479326.63	3850221.93	9.92941	1.33E+01	1.40E+01	1.52E+01
3008	479376.63	3850221.93	9.66155	1.29E+01	1.36E+01	1.48E+01
3009	478676.63	3850271.93	31.18348	4.17E+01	4.39E+01	4.77E+01
3010	478726.63	3850271.93	26.5833	3.56E+01	3.74E+01	4.07E+01
3011	478976.63	3850271.93	16.28296	2.18E+01	2.29E+01	2.49E+01
3012	479026.63	3850271.93	15.12188	2.02E+01	2.13E+01	2.32E+01
3013	479076.63	3850271.93	14.30009	1.91E+01	2.01E+01	2.19E+01
3014	479126.63	3850271.93	13.37795	1.79E+01	1.88E+01	2.05E+01
3015	479176.63	3850271.93	12.51589	1.68E+01	1.76E+01	1.92E+01
3016	479226.63	3850271.93	11.8334	1.58E+01	1.67E+01	1.81E+01
3017	479276.63	3850271.93	11.057	1.48E+01	1.56E+01	1.69E+01
3018	479326.63	3850271.93	10.86334	1.45E+01	1.53E+01	1.66E+01
3019	479376.63	3850271.93	10.44086	1.40E+01	1.47E+01	1.60E+01
3020	479053.24	3850293.52	15.44534	2.07E+01	2.17E+01	2.36E+01

3021	479103.24	3850293.52	14.52257	1.94E+01	2.04E+01	2.22E+01
3022	479153.24	3850293.52	13.66837	1.83E+01	1.92E+01	2.09E+01
3023	479203.24	3850293.52	12.80647	1.71E+01	1.80E+01	1.96E+01
3024	479253.24	3850293.52	12.09035	1.62E+01	1.70E+01	1.85E+01
3025	479303.24	3850293.52	11.27813	1.51E+01	1.59E+01	1.73E+01
3026	479353.24	3850293.52	11.02019	1.47E+01	1.55E+01	1.69E+01
3027	479153.24	3850343.52	15.41416	2.06E+01	2.17E+01	2.36E+01
3028	479203.24	3850343.52	14.46779	1.94E+01	2.04E+01	2.22E+01
3029	479253.24	3850343.52	13.50321	1.81E+01	1.90E+01	2.07E+01
3030	479303.24	3850343.52	12.88252	1.72E+01	1.81E+01	1.97E+01
3031	479353.24	3850343.52	12.11682	1.62E+01	1.70E+01	1.86E+01
3032	479203.24	3850393.52	16.48703	2.21E+01	2.32E+01	2.52E+01
3033	479253.24	3850393.52	15.42834	2.06E+01	2.17E+01	2.36E+01
3034	479303.24	3850393.52	14.43695	1.93E+01	2.03E+01	2.21E+01
3035	479353.24	3850393.52	13.54763	1.81E+01	1.91E+01	2.07E+01
3036	479403.24	3850393.52	12.93909	1.73E+01	1.82E+01	1.98E+01
3037	479453.24	3850393.52	12.19091	1.63E+01	1.72E+01	1.87E+01
3038	479503.24	3850393.52	11.69084	1.56E+01	1.64E+01	1.79E+01
3039	479303.24	3850443.52	16.71132	2.24E+01	2.35E+01	2.56E+01
3040	479353.24	3850443.52	15.78325	2.11E+01	2.22E+01	2.42E+01
3041	479403.24	3850443.52	14.55888	1.95E+01	2.05E+01	2.23E+01
3042	479453.24	3850443.52	13.75575	1.84E+01	1.94E+01	2.11E+01
3043	479503.24	3850443.52	13.03404	1.74E+01	1.83E+01	2.00E+01
3044	480327.18	3850987.04	19.75824	2.64E+01	2.78E+01	3.03E+01
3045	480377.18	3850987.04	18.45906	2.47E+01	2.60E+01	2.83E+01
3046	480427.18	3850987.04	17.53945	2.35E+01	2.47E+01	2.69E+01
3047	480477.18	3850987.04	17.30915	2.32E+01	2.44E+01	2.65E+01
3048	480327.18	3851037.04	24.35291	3.26E+01	3.43E+01	3.73E+01
3049	480377.18	3851037.04	21.95619	2.94E+01	3.09E+01	3.36E+01
3050	480427.18	3851037.04	20.23586	2.71E+01	2.85E+01	3.10E+01
3051	480477.18	3851037.04	18.9935	2.54E+01	2.67E+01	2.91E+01
3052	480622.06	3851087.39	19.26441	2.58E+01	2.71E+01	2.95E+01
3053	480672.06	3851087.39	18.81127	2.52E+01	2.65E+01	2.88E+01
3054	480622.06	3851137.39	21.85165	2.92E+01	3.07E+01	3.35E+01
3055	480672.06	3851137.39	21.05027	2.82E+01	2.96E+01	3.22E+01
3056	480722.06	3851137.39	20.44619	2.74E+01	2.88E+01	3.13E+01
3057	480622.06	3851187.39	26.49813	3.55E+01	3.73E+01	4.06E+01
3058	480672.06	3851187.39	24.01032	3.21E+01	3.38E+01	3.68E+01
3059	480722.06	3851187.39	22.99648	3.08E+01	3.24E+01	3.52E+01
3060	471363.09	3845877.25	1.60256	2.14E+00	2.25E+00	2.45E+00
3061	471863.09	3845877.25	1.25797	1.68E+00	1.77E+00	1.93E+00
3062	472363.09	3845877.25	1.52912	2.05E+00	2.15E+00	2.34E+00
3063	472863.09	3845877.25	0.97855	1.31E+00	1.38E+00	1.50E+00
3064	473363.09	3845877.25	0.86999	1.16E+00	1.22E+00	1.33E+00
3065	473863.09	3845877.25	0.75144	1.01E+00	1.06E+00	1.15E+00
3066	474363.09	3845877.25	0.83445	1.12E+00	1.17E+00	1.28E+00
3067	474863.09	3845877.25	0.95865	1.28E+00	1.35E+00	1.47E+00
3068	475363.09	3845877.25	1.16784	1.56E+00	1.64E+00	1.79E+00
3069	475863.09	3845877.25	1.07887	1.44E+00	1.52E+00	1.65E+00
3070	476363.09	3845877.25	0.92341	1.24E+00	1.30E+00	1.41E+00
3071	476863.09	3845877.25	0.72035	9.64E-01	1.01E+00	1.10E+00
3072	477363.09	3845877.25	0.6461	8.65E-01	9.09E-01	9.89E-01
3073	477863.09	3845877.25	0.49341	6.60E-01	6.94E-01	7.56E-01
3074	478363.09	3845877.25	0.44115	5.90E-01	6.21E-01	6.75E-01
3075	478863.09	3845877.25	0.38705	5.18E-01	5.45E-01	5.93E-01
3076	479363.09	3845877.25	0.39007	5.22E-01	5.49E-01	5.97E-01
3077	479863.09	3845877.25	0.35781	4.79E-01	5.03E-01	5.48E-01
3078	480363.09	3845877.25	0.26695	3.57E-01	3.76E-01	4.09E-01
3079	480863.09	3845877.25	0.23636	3.16E-01	3.33E-01	3.62E-01
3080	481363.09	3845877.25	0.21468	2.87E-01	3.02E-01	3.29E-01
3081	481863.09	3845877.25	0.20671	2.77E-01	2.91E-01	3.17E-01
3082	482363.09	3845877.25	0.20059	2.68E-01	2.82E-01	3.07E-01
3083	482863.09	3845877.25	0.16079	2.15E-01	2.26E-01	2.46E-01

3084	483363.09	3845877.25	0.14455	1.93E-01	2.03E-01	2.21E-01
3085	483863.09	3845877.25	0.17555	2.35E-01	2.47E-01	2.69E-01
3086	484363.09	3845877.25	0.17711	2.37E-01	2.49E-01	2.71E-01
3087	484863.09	3845877.25	0.1687	2.26E-01	2.37E-01	2.58E-01
3088	485363.09	3845877.25	0.16561	2.22E-01	2.33E-01	2.54E-01
3089	485863.09	3845877.25	0.16742	2.24E-01	2.36E-01	2.56E-01
3090	486363.09	3845877.25	0.16355	2.19E-01	2.30E-01	2.50E-01
3091	486863.09	3845877.25	0.15425	2.06E-01	2.17E-01	2.36E-01
3092	487363.09	3845877.25	0.14624	1.96E-01	2.06E-01	2.24E-01
3093	487863.09	3845877.25	0.13703	1.83E-01	1.93E-01	2.10E-01
3094	488363.09	3845877.25	0.12869	1.72E-01	1.81E-01	1.97E-01
3095	488863.09	3845877.25	0.1477	1.98E-01	2.08E-01	2.26E-01
3096	489363.09	3845877.25	0.14717	1.97E-01	2.07E-01	2.25E-01
3097	489863.09	3845877.25	0.13897	1.86E-01	1.96E-01	2.13E-01
3098	490363.09	3845877.25	0.12329	1.65E-01	1.73E-01	1.89E-01
3099	490863.09	3845877.25	0.10356	1.39E-01	1.46E-01	1.59E-01
3100	491363.09	3845877.25	0.11333	1.52E-01	1.59E-01	1.74E-01
3101	491863.09	3845877.25	0.11764	1.57E-01	1.66E-01	1.80E-01
3102	492363.09	3845877.25	0.10218	1.37E-01	1.44E-01	1.56E-01
3103	492863.09	3845877.25	0.12302	1.65E-01	1.73E-01	1.88E-01
3104	493363.09	3845877.25	0.12981	1.74E-01	1.83E-01	1.99E-01
3105	493863.09	3845877.25	0.13962	1.87E-01	1.96E-01	2.14E-01
3106	494363.09	3845877.25	0.13943	1.87E-01	1.96E-01	2.13E-01
3107	494863.09	3845877.25	0.13972	1.87E-01	1.97E-01	2.14E-01
3108	495363.09	3845877.25	0.14154	1.89E-01	1.99E-01	2.17E-01
3109	495863.09	3845877.25	0.14903	1.99E-01	2.10E-01	2.28E-01
3110	496363.09	3845877.25	0.15323	2.05E-01	2.16E-01	2.35E-01
3111	496863.09	3845877.25	0.15384	2.06E-01	2.16E-01	2.36E-01
3112	497363.09	3845877.25	0.15335	2.05E-01	2.16E-01	2.35E-01
3113	497863.09	3845877.25	0.1513	2.03E-01	2.13E-01	2.32E-01
3114	498363.09	3845877.25	0.15055	2.01E-01	2.12E-01	2.31E-01
3115	471363.09	3846377.25	5.02428	6.72E+00	7.07E+00	7.69E+00
3116	471863.09	3846377.25	4.15326	5.56E+00	5.84E+00	6.36E+00
3117	472363.09	3846377.25	1.53091	2.05E+00	2.15E+00	2.34E+00
3118	472863.09	3846377.25	1.3811	1.85E+00	1.94E+00	2.11E+00
3119	473363.09	3846377.25	1.20085	1.61E+00	1.69E+00	1.84E+00
3120	473863.09	3846377.25	1.21812	1.63E+00	1.71E+00	1.87E+00
3121	474363.09	3846377.25	1.08841	1.46E+00	1.53E+00	1.67E+00
3122	474863.09	3846377.25	1.18267	1.58E+00	1.66E+00	1.81E+00
3123	475363.09	3846377.25	1.27314	1.70E+00	1.79E+00	1.95E+00
3124	475863.09	3846377.25	1.46348	1.96E+00	2.06E+00	2.24E+00
3125	476363.09	3846377.25	1.18843	1.59E+00	1.67E+00	1.82E+00
3126	476863.09	3846377.25	1.06057	1.42E+00	1.49E+00	1.62E+00
3127	477363.09	3846377.25	0.9039	1.21E+00	1.27E+00	1.38E+00
3128	477863.09	3846377.25	0.72669	9.73E-01	1.02E+00	1.11E+00
3129	478363.09	3846377.25	0.59341	7.94E-01	8.35E-01	9.09E-01
3130	478863.09	3846377.25	0.58506	7.83E-01	8.23E-01	8.96E-01
3131	479363.09	3846377.25	0.533	7.13E-01	7.50E-01	8.16E-01
3132	479863.09	3846377.25	0.46104	6.17E-01	6.49E-01	7.06E-01
3133	480363.09	3846377.25	0.43225	5.79E-01	6.08E-01	6.62E-01
3134	480863.09	3846377.25	0.30507	4.08E-01	4.29E-01	4.67E-01
3135	481363.09	3846377.25	0.28374	3.80E-01	3.99E-01	4.34E-01
3136	481863.09	3846377.25	0.25589	3.42E-01	3.60E-01	3.92E-01
3137	482363.09	3846377.25	0.23195	3.10E-01	3.26E-01	3.55E-01
3138	482863.09	3846377.25	0.20689	2.77E-01	2.91E-01	3.17E-01
3139	483363.09	3846377.25	0.20706	2.77E-01	2.91E-01	3.17E-01
3140	483863.09	3846377.25	0.20411	2.73E-01	2.87E-01	3.13E-01
3141	484363.09	3846377.25	0.1923	2.57E-01	2.71E-01	2.94E-01
3142	484863.09	3846377.25	0.20125	2.69E-01	2.83E-01	3.08E-01
3143	485363.09	3846377.25	0.20158	2.70E-01	2.84E-01	3.09E-01
3144	485863.09	3846377.25	0.19607	2.62E-01	2.76E-01	3.00E-01
3145	486363.09	3846377.25	0.16597	2.22E-01	2.34E-01	2.54E-01
3146	486863.09	3846377.25	0.16065	2.15E-01	2.26E-01	2.46E-01

3147	487363.09	3846377.25	0.16522	2.21E-01	2.32E-01	2.53E-01
3148	487863.09	3846377.25	0.16957	2.27E-01	2.39E-01	2.60E-01
3149	488363.09	3846377.25	0.167	2.24E-01	2.35E-01	2.56E-01
3150	488863.09	3846377.25	0.17309	2.32E-01	2.44E-01	2.65E-01
3151	489363.09	3846377.25	0.1701	2.28E-01	2.39E-01	2.60E-01
3152	489863.09	3846377.25	0.15848	2.12E-01	2.23E-01	2.43E-01
3153	490363.09	3846377.25	0.12955	1.73E-01	1.82E-01	1.98E-01
3154	490863.09	3846377.25	0.1207	1.62E-01	1.70E-01	1.85E-01
3155	491363.09	3846377.25	0.11803	1.58E-01	1.66E-01	1.81E-01
3156	491863.09	3846377.25	0.13384	1.79E-01	1.88E-01	2.05E-01
3157	492363.09	3846377.25	0.12849	1.72E-01	1.81E-01	1.97E-01
3158	492863.09	3846377.25	0.12902	1.73E-01	1.82E-01	1.98E-01
3159	493363.09	3846377.25	0.13936	1.87E-01	1.96E-01	2.13E-01
3160	493863.09	3846377.25	0.14866	1.99E-01	2.09E-01	2.28E-01
3161	494363.09	3846377.25	0.14974	2.00E-01	2.11E-01	2.29E-01
3162	494863.09	3846377.25	0.15349	2.05E-01	2.16E-01	2.35E-01
3163	495363.09	3846377.25	0.15497	2.07E-01	2.18E-01	2.37E-01
3164	495863.09	3846377.25	0.15683	2.10E-01	2.21E-01	2.40E-01
3165	496363.09	3846377.25	0.15653	2.10E-01	2.20E-01	2.40E-01
3166	496863.09	3846377.25	0.15641	2.09E-01	2.20E-01	2.39E-01
3167	497363.09	3846377.25	0.15706	2.10E-01	2.21E-01	2.40E-01
3168	497863.09	3846377.25	0.15811	2.12E-01	2.22E-01	2.42E-01
3169	498363.09	3846377.25	0.15614	2.09E-01	2.20E-01	2.39E-01
3170	471363.09	3846877.25	4.94817	6.62E+00	6.96E+00	7.58E+00
3171	471863.09	3846877.25	6.27158	8.39E+00	8.82E+00	9.60E+00
3172	472363.09	3846877.25	6.93813	9.29E+00	9.76E+00	1.06E+01
3173	472863.09	3846877.25	1.81246	2.43E+00	2.55E+00	2.78E+00
3174	473363.09	3846877.25	1.80507	2.42E+00	2.54E+00	2.76E+00
3175	473863.09	3846877.25	1.85538	2.48E+00	2.61E+00	2.84E+00
3176	474363.09	3846877.25	1.61584	2.16E+00	2.27E+00	2.47E+00
3177	474863.09	3846877.25	1.33542	1.79E+00	1.88E+00	2.04E+00
3178	475363.09	3846877.25	1.14971	1.54E+00	1.62E+00	1.76E+00
3179	475863.09	3846877.25	1.59006	2.13E+00	2.24E+00	2.43E+00
3180	476363.09	3846877.25	1.6902	2.26E+00	2.38E+00	2.59E+00
3181	476863.09	3846877.25	1.39922	1.87E+00	1.97E+00	2.14E+00
3182	477363.09	3846877.25	1.27566	1.71E+00	1.79E+00	1.95E+00
3183	477863.09	3846877.25	1.03464	1.38E+00	1.46E+00	1.58E+00
3184	478363.09	3846877.25	0.89155	1.19E+00	1.25E+00	1.37E+00
3185	478863.09	3846877.25	0.8623	1.15E+00	1.21E+00	1.32E+00
3186	479363.09	3846877.25	0.74977	1.00E+00	1.05E+00	1.15E+00
3187	479863.09	3846877.25	0.45378	6.07E-01	6.38E-01	6.95E-01
3188	480363.09	3846877.25	0.32886	4.40E-01	4.63E-01	5.04E-01
3189	480863.09	3846877.25	0.29745	3.98E-01	4.19E-01	4.55E-01
3190	481363.09	3846877.25	0.32054	4.29E-01	4.51E-01	4.91E-01
3191	481863.09	3846877.25	0.30172	4.04E-01	4.25E-01	4.62E-01
3192	482363.09	3846877.25	0.26558	3.55E-01	3.74E-01	4.07E-01
3193	482863.09	3846877.25	0.24897	3.33E-01	3.50E-01	3.81E-01
3194	483363.09	3846877.25	0.23746	3.18E-01	3.34E-01	3.64E-01
3195	483863.09	3846877.25	0.2312	3.09E-01	3.25E-01	3.54E-01
3196	484363.09	3846877.25	0.23058	3.09E-01	3.24E-01	3.53E-01
3197	484863.09	3846877.25	0.22275	2.98E-01	3.13E-01	3.41E-01
3198	485363.09	3846877.25	0.22123	2.96E-01	3.11E-01	3.39E-01
3199	485863.09	3846877.25	0.2131	2.85E-01	3.00E-01	3.26E-01
3200	486363.09	3846877.25	0.21391	2.86E-01	3.01E-01	3.28E-01
3201	486863.09	3846877.25	0.19251	2.58E-01	2.71E-01	2.95E-01
3202	487363.09	3846877.25	0.18984	2.54E-01	2.67E-01	2.91E-01
3203	487863.09	3846877.25	0.18585	2.49E-01	2.62E-01	2.85E-01
3204	488363.09	3846877.25	0.17855	2.39E-01	2.51E-01	2.73E-01
3205	488863.09	3846877.25	0.17845	2.39E-01	2.51E-01	2.73E-01
3206	489363.09	3846877.25	0.17818	2.38E-01	2.51E-01	2.73E-01
3207	489863.09	3846877.25	0.17708	2.37E-01	2.49E-01	2.71E-01
3208	490363.09	3846877.25	0.15342	2.05E-01	2.16E-01	2.35E-01
3209	490863.09	3846877.25	0.14505	1.94E-01	2.04E-01	2.22E-01

3210	491363.09	3846877.25	0.14047	1.88E-01	1.98E-01	2.15E-01
3211	491863.09	3846877.25	0.12929	1.73E-01	1.82E-01	1.98E-01
3212	492363.09	3846877.25	0.15418	2.06E-01	2.17E-01	2.36E-01
3213	492863.09	3846877.25	0.15528	2.08E-01	2.18E-01	2.38E-01
3214	493363.09	3846877.25	0.15724	2.10E-01	2.21E-01	2.41E-01
3215	493863.09	3846877.25	0.15536	2.08E-01	2.19E-01	2.38E-01
3216	494363.09	3846877.25	0.15543	2.08E-01	2.19E-01	2.38E-01
3217	494863.09	3846877.25	0.15713	2.10E-01	2.21E-01	2.41E-01
3218	495363.09	3846877.25	0.15652	2.09E-01	2.20E-01	2.40E-01
3219	495863.09	3846877.25	0.15648	2.09E-01	2.20E-01	2.40E-01
3220	496363.09	3846877.25	0.15621	2.09E-01	2.20E-01	2.39E-01
3221	496863.09	3846877.25	0.15811	2.12E-01	2.22E-01	2.42E-01
3222	497363.09	3846877.25	0.16013	2.14E-01	2.25E-01	2.45E-01
3223	497863.09	3846877.25	0.16451	2.20E-01	2.31E-01	2.52E-01
3224	498363.09	3846877.25	0.16389	2.19E-01	2.31E-01	2.51E-01
3225	471363.09	3847377.25	4.60044	6.16E+00	6.47E+00	7.04E+00
3226	471863.09	3847377.25	4.76298	6.37E+00	6.70E+00	7.29E+00
3227	472363.09	3847377.25	6.42692	8.60E+00	9.04E+00	9.84E+00
3228	472863.09	3847377.25	9.7154	1.30E+01	1.37E+01	1.49E+01
3229	473363.09	3847377.25	4.94963	6.62E+00	6.96E+00	7.58E+00
3230	473863.09	3847377.25	2.84344	3.81E+00	4.00E+00	4.35E+00
3231	474363.09	3847377.25	2.48799	3.33E+00	3.50E+00	3.81E+00
3232	474863.09	3847377.25	1.96092	2.62E+00	2.76E+00	3.00E+00
3233	475363.09	3847377.25	1.45956	1.95E+00	2.05E+00	2.23E+00
3234	475863.09	3847377.25	1.81032	2.42E+00	2.55E+00	2.77E+00
3235	476363.09	3847377.25	2.24358	3.00E+00	3.16E+00	3.44E+00
3236	476863.09	3847377.25	1.94632	2.61E+00	2.74E+00	2.98E+00
3237	477363.09	3847377.25	1.6813	2.25E+00	2.37E+00	2.57E+00
3238	477863.09	3847377.25	1.44243	1.93E+00	2.03E+00	2.21E+00
3239	478363.09	3847377.25	1.32851	1.78E+00	1.87E+00	2.03E+00
3240	478863.09	3847377.25	1.24888	1.67E+00	1.76E+00	1.91E+00
3241	479363.09	3847377.25	0.77188	1.03E+00	1.09E+00	1.18E+00
3242	479863.09	3847377.25	0.39604	5.30E-01	5.57E-01	6.06E-01
3243	480363.09	3847377.25	0.30882	4.13E-01	4.35E-01	4.73E-01
3244	480863.09	3847377.25	0.29801	3.99E-01	4.19E-01	4.56E-01
3245	481363.09	3847377.25	0.29966	4.01E-01	4.22E-01	4.59E-01
3246	481863.09	3847377.25	0.3709	4.96E-01	5.22E-01	5.68E-01
3247	482363.09	3847377.25	0.35015	4.69E-01	4.93E-01	5.36E-01
3248	482863.09	3847377.25	0.32333	4.33E-01	4.55E-01	4.95E-01
3249	483363.09	3847377.25	0.29787	3.99E-01	4.19E-01	4.56E-01
3250	483863.09	3847377.25	0.29882	4.00E-01	4.20E-01	4.58E-01
3251	484363.09	3847377.25	0.31143	4.17E-01	4.38E-01	4.77E-01
3252	484863.09	3847377.25	0.2831	3.79E-01	3.98E-01	4.33E-01
3253	485363.09	3847377.25	0.28025	3.75E-01	3.94E-01	4.29E-01
3254	485863.09	3847377.25	0.28048	3.75E-01	3.95E-01	4.29E-01
3255	486363.09	3847377.25	0.28012	3.75E-01	3.94E-01	4.29E-01
3256	486863.09	3847377.25	0.23367	3.13E-01	3.29E-01	3.58E-01
3257	487363.09	3847377.25	0.23507	3.15E-01	3.31E-01	3.60E-01
3258	487863.09	3847377.25	0.21601	2.89E-01	3.04E-01	3.31E-01
3259	488363.09	3847377.25	0.2043	2.73E-01	2.87E-01	3.13E-01
3260	488863.09	3847377.25	0.19874	2.66E-01	2.80E-01	3.04E-01
3261	489363.09	3847377.25	0.19923	2.67E-01	2.80E-01	3.05E-01
3262	489863.09	3847377.25	0.19128	2.56E-01	2.69E-01	2.93E-01
3263	490363.09	3847377.25	0.1798	2.41E-01	2.53E-01	2.75E-01
3264	490863.09	3847377.25	0.17248	2.31E-01	2.43E-01	2.64E-01
3265	491363.09	3847377.25	0.16643	2.23E-01	2.34E-01	2.55E-01
3266	491863.09	3847377.25	0.17434	2.33E-01	2.45E-01	2.67E-01
3267	492363.09	3847377.25	0.16875	2.26E-01	2.37E-01	2.58E-01
3268	492863.09	3847377.25	0.16397	2.19E-01	2.31E-01	2.51E-01
3269	493363.09	3847377.25	0.16393	2.19E-01	2.31E-01	2.51E-01
3270	493863.09	3847377.25	0.15993	2.14E-01	2.25E-01	2.45E-01
3271	494363.09	3847377.25	0.15853	2.12E-01	2.23E-01	2.43E-01
3272	494863.09	3847377.25	0.1571	2.10E-01	2.21E-01	2.41E-01

3273	495363.09	3847377.25	0.15516	2.08E-01	2.18E-01	2.38E-01
3274	495863.09	3847377.25	0.15602	2.09E-01	2.20E-01	2.39E-01
3275	496363.09	3847377.25	0.15462	2.07E-01	2.18E-01	2.37E-01
3276	496863.09	3847377.25	0.15883	2.13E-01	2.23E-01	2.43E-01
3277	497363.09	3847377.25	0.16188	2.17E-01	2.28E-01	2.48E-01
3278	497863.09	3847377.25	0.17255	2.31E-01	2.43E-01	2.64E-01
3279	498363.09	3847377.25	0.17341	2.32E-01	2.44E-01	2.66E-01
3280	471363.09	3847877.25	4.18817	5.61E+00	5.89E+00	6.41E+00
3281	471863.09	3847877.25	4.75471	6.36E+00	6.69E+00	7.28E+00
3282	472363.09	3847877.25	5.78905	7.75E+00	8.15E+00	8.86E+00
3283	472863.09	3847877.25	6.76628	9.06E+00	9.52E+00	1.04E+01
3284	473363.09	3847877.25	9.65657	1.29E+01	1.36E+01	1.48E+01
3285	473863.09	3847877.25	42.77751	5.73E+01	6.02E+01	6.55E+01
3286	474363.09	3847877.25	4.05194	5.42E+00	5.70E+00	6.20E+00
3287	474863.09	3847877.25	3.64328	4.88E+00	5.13E+00	5.58E+00
3288	475363.09	3847877.25	2.43614	3.26E+00	3.43E+00	3.73E+00
3289	475863.09	3847877.25	1.86451	2.50E+00	2.62E+00	2.85E+00
3290	476363.09	3847877.25	2.7383	3.67E+00	3.85E+00	4.19E+00
3291	476863.09	3847877.25	2.56485	3.43E+00	3.61E+00	3.93E+00
3292	477363.09	3847877.25	2.3963	3.21E+00	3.37E+00	3.67E+00
3293	477863.09	3847877.25	2.10498	2.82E+00	2.96E+00	3.22E+00
3294	478363.09	3847877.25	1.84152	2.46E+00	2.59E+00	2.82E+00
3295	478863.09	3847877.25	1.59943	2.14E+00	2.25E+00	2.45E+00
3296	479363.09	3847877.25	0.76235	1.02E+00	1.07E+00	1.17E+00
3297	479863.09	3847877.25	0.37755	5.05E-01	5.31E-01	5.78E-01
3298	480363.09	3847877.25	0.38526	5.16E-01	5.42E-01	5.90E-01
3299	480863.09	3847877.25	0.35722	4.78E-01	5.03E-01	5.47E-01
3300	481363.09	3847877.25	0.34183	4.58E-01	4.81E-01	5.23E-01
3301	481863.09	3847877.25	0.50153	6.71E-01	7.06E-01	7.68E-01
3302	482363.09	3847877.25	0.45316	6.07E-01	6.38E-01	6.94E-01
3303	482863.09	3847877.25	0.39366	5.27E-01	5.54E-01	6.03E-01
3304	483363.09	3847877.25	0.35791	4.79E-01	5.04E-01	5.48E-01
3305	483863.09	3847877.25	0.35073	4.69E-01	4.93E-01	5.37E-01
3306	484363.09	3847877.25	0.37641	5.04E-01	5.30E-01	5.76E-01
3307	484863.09	3847877.25	0.35651	4.77E-01	5.02E-01	5.46E-01
3308	485363.09	3847877.25	0.35752	4.79E-01	5.03E-01	5.47E-01
3309	485863.09	3847877.25	0.36285	4.86E-01	5.11E-01	5.56E-01
3310	486363.09	3847877.25	0.32051	4.29E-01	4.51E-01	4.91E-01
3311	486863.09	3847877.25	0.29437	3.94E-01	4.14E-01	4.51E-01
3312	487363.09	3847877.25	0.26333	3.52E-01	3.71E-01	4.03E-01
3313	487863.09	3847877.25	0.24207	3.24E-01	3.41E-01	3.71E-01
3314	488363.09	3847877.25	0.23314	3.12E-01	3.28E-01	3.57E-01
3315	488863.09	3847877.25	0.22761	3.05E-01	3.20E-01	3.49E-01
3316	489363.09	3847877.25	0.22601	3.02E-01	3.18E-01	3.46E-01
3317	489863.09	3847877.25	0.22742	3.04E-01	3.20E-01	3.48E-01
3318	490363.09	3847877.25	0.22226	2.97E-01	3.13E-01	3.40E-01
3319	490863.09	3847877.25	0.21111	2.83E-01	2.97E-01	3.23E-01
3320	491363.09	3847877.25	0.19309	2.58E-01	2.72E-01	2.96E-01
3321	491863.09	3847877.25	0.18865	2.52E-01	2.65E-01	2.89E-01
3322	492363.09	3847877.25	0.18358	2.46E-01	2.58E-01	2.81E-01
3323	492863.09	3847877.25	0.1764	2.36E-01	2.48E-01	2.70E-01
3324	493363.09	3847877.25	0.16181	2.17E-01	2.28E-01	2.48E-01
3325	493863.09	3847877.25	0.1538	2.06E-01	2.16E-01	2.35E-01
3326	494363.09	3847877.25	0.14867	1.99E-01	2.09E-01	2.28E-01
3327	494863.09	3847877.25	0.14636	1.96E-01	2.06E-01	2.24E-01
3328	495363.09	3847877.25	0.1404	1.88E-01	1.98E-01	2.15E-01
3329	495863.09	3847877.25	0.11897	1.59E-01	1.67E-01	1.82E-01
3330	496363.09	3847877.25	0.14427	1.93E-01	2.03E-01	2.21E-01
3331	496863.09	3847877.25	0.15141	2.03E-01	2.13E-01	2.32E-01
3332	497363.09	3847877.25	0.15696	2.10E-01	2.21E-01	2.40E-01
3333	497863.09	3847877.25	0.17365	2.32E-01	2.44E-01	2.66E-01
3334	498363.09	3847877.25	0.17922	2.40E-01	2.52E-01	2.74E-01
3335	471363.09	3848377.25	3.71509	4.97E+00	5.23E+00	5.69E+00

3336	471863.09	3848377.25	4.41371	5.91E+00	6.21E+00	6.76E+00
3337	472363.09	3848377.25	5.23333	7.00E+00	7.36E+00	8.01E+00
3338	472863.09	3848377.25	6.24656	8.36E+00	8.79E+00	9.56E+00
3339	473363.09	3848377.25	7.85571	1.05E+01	1.11E+01	1.20E+01
3340	473863.09	3848377.25	11.00589	1.47E+01	1.55E+01	1.69E+01
3341	474363.09	3848377.25	21.07092	2.82E+01	2.96E+01	3.23E+01
3342	474863.09	3848377.25	7.96158	1.07E+01	1.12E+01	1.22E+01
3343	475363.09	3848377.25	6.77653	9.07E+00	9.53E+00	1.04E+01
3344	475863.09	3848377.25	3.78589	5.07E+00	5.33E+00	5.80E+00
3345	476363.09	3848377.25	2.43352	3.26E+00	3.42E+00	3.73E+00
3346	476863.09	3848377.25	3.6514	4.89E+00	5.14E+00	5.59E+00
3347	477363.09	3848377.25	3.26304	4.37E+00	4.59E+00	5.00E+00
3348	477863.09	3848377.25	3.22879	4.32E+00	4.54E+00	4.94E+00
3349	478363.09	3848377.25	2.63323	3.52E+00	3.71E+00	4.03E+00
3350	478863.09	3848377.25	2.06265	2.76E+00	2.90E+00	3.16E+00
3351	479363.09	3848377.25	1.11033	1.49E+00	1.56E+00	1.70E+00
3352	479863.09	3848377.25	0.31743	4.25E-01	4.47E-01	4.86E-01
3353	480363.09	3848377.25	0.43313	5.80E-01	6.09E-01	6.63E-01
3354	480863.09	3848377.25	0.65087	8.71E-01	9.16E-01	9.97E-01
3355	481363.09	3848377.25	0.65414	8.76E-01	9.20E-01	1.00E+00
3356	481863.09	3848377.25	0.71034	9.51E-01	9.99E-01	1.09E+00
3357	482363.09	3848377.25	0.70951	9.50E-01	9.98E-01	1.09E+00
3358	482863.09	3848377.25	0.56085	7.51E-01	7.89E-01	8.59E-01
3359	483363.09	3848377.25	0.52309	7.00E-01	7.36E-01	8.01E-01
3360	483863.09	3848377.25	0.44253	5.92E-01	6.23E-01	6.78E-01
3361	484363.09	3848377.25	0.43896	5.88E-01	6.18E-01	6.72E-01
3362	484863.09	3848377.25	0.51145	6.85E-01	7.20E-01	7.83E-01
3363	485363.09	3848377.25	0.49059	6.57E-01	6.90E-01	7.51E-01
3364	485863.09	3848377.25	0.47273	6.33E-01	6.65E-01	7.24E-01
3365	486363.09	3848377.25	0.4165	5.57E-01	5.86E-01	6.38E-01
3366	486863.09	3848377.25	0.36367	4.87E-01	5.12E-01	5.57E-01
3367	487363.09	3848377.25	0.29924	4.01E-01	4.21E-01	4.58E-01
3368	487863.09	3848377.25	0.28798	3.85E-01	4.05E-01	4.41E-01
3369	488363.09	3848377.25	0.27173	3.64E-01	3.82E-01	4.16E-01
3370	488863.09	3848377.25	0.26025	3.48E-01	3.66E-01	3.98E-01
3371	489363.09	3848377.25	0.25163	3.37E-01	3.54E-01	3.85E-01
3372	489863.09	3848377.25	0.26358	3.53E-01	3.71E-01	4.04E-01
3373	490363.09	3848377.25	0.24708	3.31E-01	3.48E-01	3.78E-01
3374	490863.09	3848377.25	0.2253	3.02E-01	3.17E-01	3.45E-01
3375	491363.09	3848377.25	0.21051	2.82E-01	2.96E-01	3.22E-01
3376	491863.09	3848377.25	0.19687	2.63E-01	2.77E-01	3.01E-01
3377	492363.09	3848377.25	0.186	2.49E-01	2.62E-01	2.85E-01
3378	492863.09	3848377.25	0.16837	2.25E-01	2.37E-01	2.58E-01
3379	493363.09	3848377.25	0.15859	2.12E-01	2.23E-01	2.43E-01
3380	493863.09	3848377.25	0.15144	2.03E-01	2.13E-01	2.32E-01
3381	494363.09	3848377.25	0.14143	1.89E-01	1.99E-01	2.17E-01
3382	494863.09	3848377.25	0.14006	1.87E-01	1.97E-01	2.14E-01
3383	495363.09	3848377.25	0.12404	1.66E-01	1.75E-01	1.90E-01
3384	495863.09	3848377.25	0.12145	1.63E-01	1.71E-01	1.86E-01
3385	496363.09	3848377.25	0.12939	1.73E-01	1.82E-01	1.98E-01
3386	496863.09	3848377.25	0.12752	1.71E-01	1.79E-01	1.95E-01
3387	497363.09	3848377.25	0.14514	1.94E-01	2.04E-01	2.22E-01
3388	497863.09	3848377.25	0.18274	2.45E-01	2.57E-01	2.80E-01
3389	498363.09	3848377.25	0.18355	2.46E-01	2.58E-01	2.81E-01
3390	471363.09	3848877.25	3.08987	4.14E+00	4.35E+00	4.73E+00
3391	471863.09	3848877.25	3.4254	4.58E+00	4.82E+00	5.24E+00
3392	472363.09	3848877.25	3.95689	5.30E+00	5.57E+00	6.06E+00
3393	472863.09	3848877.25	4.71189	6.31E+00	6.63E+00	7.21E+00
3394	473363.09	3848877.25	5.72566	7.66E+00	8.06E+00	8.77E+00
3395	473863.09	3848877.25	7.72715	1.03E+01	1.09E+01	1.18E+01
3396	474363.09	3848877.25	11.21519	1.50E+01	1.58E+01	1.72E+01
3397	474863.09	3848877.25	25.11067	3.36E+01	3.53E+01	3.84E+01
3398	475363.09	3848877.25	14.46779	1.94E+01	2.04E+01	2.22E+01

3399	475863.09	3848877.25	13.50113	1.81E+01	1.90E+01	2.07E+01
3400	476363.09	3848877.25	6.80919	9.11E+00	9.58E+00	1.04E+01
3401	476863.09	3848877.25	4.50384	6.03E+00	6.34E+00	6.90E+00
3402	477363.09	3848877.25	5.74481	7.69E+00	8.08E+00	8.80E+00
3403	477863.09	3848877.25	5.04088	6.75E+00	7.09E+00	7.72E+00
3404	478363.09	3848877.25	4.55428	6.10E+00	6.41E+00	6.97E+00
3405	478863.09	3848877.25	3.3566	4.49E+00	4.72E+00	5.14E+00
3406	479363.09	3848877.25	2.43024	3.25E+00	3.42E+00	3.72E+00
3407	479863.09	3848877.25	1.56936	2.10E+00	2.21E+00	2.40E+00
3408	480363.09	3848877.25	1.59991	2.14E+00	2.25E+00	2.45E+00
3409	480863.09	3848877.25	1.59293	2.13E+00	2.24E+00	2.44E+00
3410	481363.09	3848877.25	1.37095	1.83E+00	1.93E+00	2.10E+00
3411	481863.09	3848877.25	1.04799	1.40E+00	1.47E+00	1.60E+00
3412	482363.09	3848877.25	0.70645	9.46E-01	9.94E-01	1.08E+00
3413	482863.09	3848877.25	0.52088	6.97E-01	7.33E-01	7.98E-01
3414	483363.09	3848877.25	0.41673	5.58E-01	5.86E-01	6.38E-01
3415	483863.09	3848877.25	0.39951	5.35E-01	5.62E-01	6.12E-01
3416	484363.09	3848877.25	0.52725	7.06E-01	7.42E-01	8.07E-01
3417	484863.09	3848877.25	0.68721	9.20E-01	9.67E-01	1.05E+00
3418	485363.09	3848877.25	0.64205	8.59E-01	9.03E-01	9.83E-01
3419	485863.09	3848877.25	0.60076	8.04E-01	8.45E-01	9.20E-01
3420	486363.09	3848877.25	0.50931	6.82E-01	7.17E-01	7.80E-01
3421	486863.09	3848877.25	0.41054	5.49E-01	5.78E-01	6.29E-01
3422	487363.09	3848877.25	0.3983	5.33E-01	5.60E-01	6.10E-01
3423	487863.09	3848877.25	0.3554	4.76E-01	5.00E-01	5.44E-01
3424	488363.09	3848877.25	0.3355	4.49E-01	4.72E-01	5.14E-01
3425	488863.09	3848877.25	0.30966	4.14E-01	4.36E-01	4.74E-01
3426	489363.09	3848877.25	0.3065	4.10E-01	4.31E-01	4.69E-01
3427	489863.09	3848877.25	0.30688	4.11E-01	4.32E-01	4.70E-01
3428	490363.09	3848877.25	0.27249	3.65E-01	3.83E-01	4.17E-01
3429	490863.09	3848877.25	0.23731	3.18E-01	3.34E-01	3.63E-01
3430	491363.09	3848877.25	0.21967	2.94E-01	3.09E-01	3.36E-01
3431	491863.09	3848877.25	0.19631	2.63E-01	2.76E-01	3.01E-01
3432	492363.09	3848877.25	0.17334	2.32E-01	2.44E-01	2.65E-01
3433	492863.09	3848877.25	0.16072	2.15E-01	2.26E-01	2.46E-01
3434	493363.09	3848877.25	0.13943	1.87E-01	1.96E-01	2.13E-01
3435	493863.09	3848877.25	0.13947	1.87E-01	1.96E-01	2.14E-01
3436	494363.09	3848877.25	0.13605	1.82E-01	1.91E-01	2.08E-01
3437	494863.09	3848877.25	0.13637	1.83E-01	1.92E-01	2.09E-01
3438	495363.09	3848877.25	0.1376	1.84E-01	1.94E-01	2.11E-01
3439	495863.09	3848877.25	0.11258	1.51E-01	1.58E-01	1.72E-01
3440	496363.09	3848877.25	0.11666	1.56E-01	1.64E-01	1.79E-01
3441	496863.09	3848877.25	0.14197	1.90E-01	2.00E-01	2.17E-01
3442	497363.09	3848877.25	0.16714	2.24E-01	2.35E-01	2.56E-01
3443	497863.09	3848877.25	0.17511	2.34E-01	2.46E-01	2.68E-01
3444	498363.09	3848877.25	0.18815	2.52E-01	2.65E-01	2.88E-01
3445	471363.09	3849377.25	2.40232	3.22E+00	3.38E+00	3.68E+00
3446	471863.09	3849377.25	2.83905	3.80E+00	3.99E+00	4.35E+00
3447	472363.09	3849377.25	3.16175	4.23E+00	4.45E+00	4.84E+00
3448	472863.09	3849377.25	3.45902	4.63E+00	4.87E+00	5.30E+00
3449	473363.09	3849377.25	3.98874	5.34E+00	5.61E+00	6.11E+00
3450	473863.09	3849377.25	4.53328	6.07E+00	6.38E+00	6.94E+00
3451	474363.09	3849377.25	5.40657	7.24E+00	7.61E+00	8.28E+00
3452	474863.09	3849377.25	6.44063	8.62E+00	9.06E+00	9.86E+00
3453	475363.09	3849377.25	9.28867	1.24E+01	1.31E+01	1.42E+01
3454	475863.09	3849377.25	15.3708	2.06E+01	2.16E+01	2.35E+01
3455	476363.09	3849377.25	19.53095	2.61E+01	2.75E+01	2.99E+01
3456	476863.09	3849377.25	31.39583	4.20E+01	4.42E+01	4.81E+01
3457	477363.09	3849377.25	13.09166	1.75E+01	1.84E+01	2.00E+01
3458	477863.09	3849377.25	8.67852	1.16E+01	1.22E+01	1.33E+01
3459	478363.09	3849377.25	6.63817	8.88E+00	9.34E+00	1.02E+01
3460	478863.09	3849377.25	5.24539	7.02E+00	7.38E+00	8.03E+00
3461	479363.09	3849377.25	4.05855	5.43E+00	5.71E+00	6.21E+00

3462	479863.09	3849377.25	2.83295	3.79E+00	3.99E+00	4.34E+00
3463	480363.09	3849377.25	2.94144	3.94E+00	4.14E+00	4.50E+00
3464	480863.09	3849377.25	2.49041	3.33E+00	3.50E+00	3.81E+00
3465	481363.09	3849377.25	1.80079	2.41E+00	2.53E+00	2.76E+00
3466	481863.09	3849377.25	0.99227	1.33E+00	1.40E+00	1.52E+00
3467	482363.09	3849377.25	0.76192	1.02E+00	1.07E+00	1.17E+00
3468	482863.09	3849377.25	0.52793	7.07E-01	7.43E-01	8.08E-01
3469	483363.09	3849377.25	0.44185	5.91E-01	6.22E-01	6.77E-01
3470	483863.09	3849377.25	0.33814	4.53E-01	4.76E-01	5.18E-01
3471	484363.09	3849377.25	0.64401	8.62E-01	9.06E-01	9.86E-01
3472	484863.09	3849377.25	0.91439	1.22E+00	1.29E+00	1.40E+00
3473	485363.09	3849377.25	0.86451	1.16E+00	1.22E+00	1.32E+00
3474	485863.09	3849377.25	0.54803	7.33E-01	7.71E-01	8.39E-01
3475	486363.09	3849377.25	0.37018	4.95E-01	5.21E-01	5.67E-01
3476	486863.09	3849377.25	0.5124	6.86E-01	7.21E-01	7.85E-01
3477	487363.09	3849377.25	0.52408	7.01E-01	7.37E-01	8.02E-01
3478	487863.09	3849377.25	0.48514	6.49E-01	6.83E-01	7.43E-01
3479	488363.09	3849377.25	0.44926	6.01E-01	6.32E-01	6.88E-01
3480	488863.09	3849377.25	0.4306	5.76E-01	6.06E-01	6.59E-01
3481	489363.09	3849377.25	0.40907	5.48E-01	5.76E-01	6.26E-01
3482	489863.09	3849377.25	0.36975	4.95E-01	5.20E-01	5.66E-01
3483	490363.09	3849377.25	0.30348	4.06E-01	4.27E-01	4.65E-01
3484	490863.09	3849377.25	0.26082	3.49E-01	3.67E-01	3.99E-01
3485	491363.09	3849377.25	0.23335	3.12E-01	3.28E-01	3.57E-01
3486	491863.09	3849377.25	0.20195	2.70E-01	2.84E-01	3.09E-01
3487	492363.09	3849377.25	0.18041	2.41E-01	2.54E-01	2.76E-01
3488	492863.09	3849377.25	0.16197	2.17E-01	2.28E-01	2.48E-01
3489	493363.09	3849377.25	0.14227	1.90E-01	2.00E-01	2.18E-01
3490	493863.09	3849377.25	0.1356	1.81E-01	1.91E-01	2.08E-01
3491	494363.09	3849377.25	0.13738	1.84E-01	1.93E-01	2.10E-01
3492	494863.09	3849377.25	0.15774	2.11E-01	2.22E-01	2.42E-01
3493	495363.09	3849377.25	0.16077	2.15E-01	2.26E-01	2.46E-01
3494	495863.09	3849377.25	0.11778	1.58E-01	1.66E-01	1.80E-01
3495	496363.09	3849377.25	0.11069	1.48E-01	1.56E-01	1.69E-01
3496	496863.09	3849377.25	0.15759	2.11E-01	2.22E-01	2.41E-01
3497	497363.09	3849377.25	0.16121	2.16E-01	2.27E-01	2.47E-01
3498	497863.09	3849377.25	0.23313	3.12E-01	3.28E-01	3.57E-01
3499	498363.09	3849377.25	0.20606	2.76E-01	2.90E-01	3.16E-01
3500	471363.09	3849877.25	1.70513	2.28E+00	2.40E+00	2.61E+00
3501	471863.09	3849877.25	2.28073	3.05E+00	3.21E+00	3.49E+00
3502	472363.09	3849877.25	2.5808	3.45E+00	3.63E+00	3.95E+00
3503	472863.09	3849877.25	2.73905	3.67E+00	3.85E+00	4.19E+00
3504	473363.09	3849877.25	2.94054	3.94E+00	4.14E+00	4.50E+00
3505	473863.09	3849877.25	3.36088	4.50E+00	4.73E+00	5.15E+00
3506	474363.09	3849877.25	3.6675	4.91E+00	5.16E+00	5.62E+00
3507	474863.09	3849877.25	3.83875	5.14E+00	5.40E+00	5.88E+00
3508	475363.09	3849877.25	4.54104	6.08E+00	6.39E+00	6.95E+00
3509	475863.09	3849877.25	6.41002	8.58E+00	9.02E+00	9.81E+00
3510	476363.09	3849877.25	7.47547	1.00E+01	1.05E+01	1.14E+01
3511	476863.09	3849877.25	8.99242	1.20E+01	1.27E+01	1.38E+01
3512	477363.09	3849877.25	14.55571	1.95E+01	2.05E+01	2.23E+01
3513	477863.09	3849877.25	32.0662	4.29E+01	4.51E+01	4.91E+01
3514	478363.09	3849877.25	12.71656	1.70E+01	1.79E+01	1.95E+01
3515	478863.09	3849877.25	8.46405	1.13E+01	1.19E+01	1.30E+01
3516	479363.09	3849877.25	6.67944	8.94E+00	9.40E+00	1.02E+01
3517	479863.09	3849877.25	5.30405	7.10E+00	7.46E+00	8.12E+00
3518	480363.09	3849877.25	4.13752	5.54E+00	5.82E+00	6.34E+00
3519	480863.09	3849877.25	3.15802	4.23E+00	4.44E+00	4.84E+00
3520	481363.09	3849877.25	2.59654	3.48E+00	3.65E+00	3.98E+00
3521	481863.09	3849877.25	1.22769	1.64E+00	1.73E+00	1.88E+00
3522	482363.09	3849877.25	0.81176	1.09E+00	1.14E+00	1.24E+00
3523	482863.09	3849877.25	0.61413	8.22E-01	8.64E-01	9.40E-01
3524	483363.09	3849877.25	0.46488	6.22E-01	6.54E-01	7.12E-01

3525	483863.09	3849877.25	0.44464	5.95E-01	6.26E-01	6.81E-01
3526	484363.09	3849877.25	0.77881	1.04E+00	1.10E+00	1.19E+00
3527	484863.09	3849877.25	1.21366	1.62E+00	1.71E+00	1.86E+00
3528	485363.09	3849877.25	1.04767	1.40E+00	1.47E+00	1.60E+00
3529	485863.09	3849877.25	0.78358	1.05E+00	1.10E+00	1.20E+00
3530	486363.09	3849877.25	0.67178	8.99E-01	9.45E-01	1.03E+00
3531	486863.09	3849877.25	0.7863	1.05E+00	1.11E+00	1.20E+00
3532	487363.09	3849877.25	0.73083	9.78E-01	1.03E+00	1.12E+00
3533	487863.09	3849877.25	0.65449	8.76E-01	9.21E-01	1.00E+00
3534	488363.09	3849877.25	0.61495	8.23E-01	8.65E-01	9.42E-01
3535	488863.09	3849877.25	0.57947	7.76E-01	8.15E-01	8.87E-01
3536	489363.09	3849877.25	0.52317	7.00E-01	7.36E-01	8.01E-01
3537	489863.09	3849877.25	0.44839	6.00E-01	6.31E-01	6.87E-01
3538	490363.09	3849877.25	0.36632	4.90E-01	5.15E-01	5.61E-01
3539	490863.09	3849877.25	0.31926	4.27E-01	4.49E-01	4.89E-01
3540	491363.09	3849877.25	0.27817	3.72E-01	3.91E-01	4.26E-01
3541	491863.09	3849877.25	0.22861	3.06E-01	3.22E-01	3.50E-01
3542	492363.09	3849877.25	0.19559	2.62E-01	2.75E-01	2.99E-01
3543	492863.09	3849877.25	0.17443	2.33E-01	2.45E-01	2.67E-01
3544	493363.09	3849877.25	0.15616	2.09E-01	2.20E-01	2.39E-01
3545	493863.09	3849877.25	0.13756	1.84E-01	1.94E-01	2.11E-01
3546	494363.09	3849877.25	0.16573	2.22E-01	2.33E-01	2.54E-01
3547	494863.09	3849877.25	0.17656	2.36E-01	2.48E-01	2.70E-01
3548	495363.09	3849877.25	0.15493	2.07E-01	2.18E-01	2.37E-01
3549	495863.09	3849877.25	0.16799	2.25E-01	2.36E-01	2.57E-01
3550	496363.09	3849877.25	0.17239	2.31E-01	2.43E-01	2.64E-01
3551	496863.09	3849877.25	0.17438	2.33E-01	2.45E-01	2.67E-01
3552	497363.09	3849877.25	0.24393	3.26E-01	3.43E-01	3.74E-01
3553	497863.09	3849877.25	0.26993	3.61E-01	3.80E-01	4.13E-01
3554	498363.09	3849877.25	0.23566	3.15E-01	3.32E-01	3.61E-01
3555	471363.09	3850377.25	0.59742	8.00E-01	8.41E-01	9.15E-01
3556	471863.09	3850377.25	1.43954	1.93E+00	2.03E+00	2.20E+00
3557	472363.09	3850377.25	1.8831	2.52E+00	2.65E+00	2.88E+00
3558	472863.09	3850377.25	2.33654	3.13E+00	3.29E+00	3.58E+00
3559	473363.09	3850377.25	2.4903	3.33E+00	3.50E+00	3.81E+00
3560	473863.09	3850377.25	2.59372	3.47E+00	3.65E+00	3.97E+00
3561	474363.09	3850377.25	2.55201	3.42E+00	3.59E+00	3.91E+00
3562	474863.09	3850377.25	2.73223	3.66E+00	3.84E+00	4.18E+00
3563	475363.09	3850377.25	3.1153	4.17E+00	4.38E+00	4.77E+00
3564	475863.09	3850377.25	3.94739	5.28E+00	5.55E+00	6.04E+00
3565	476363.09	3850377.25	4.72728	6.33E+00	6.65E+00	7.24E+00
3566	476863.09	3850377.25	5.39241	7.22E+00	7.59E+00	8.26E+00
3567	477363.09	3850377.25	5.95934	7.98E+00	8.39E+00	9.12E+00
3568	477863.09	3850377.25	8.18887	1.10E+01	1.15E+01	1.25E+01
3569	478363.09	3850377.25	15.37035	2.06E+01	2.16E+01	2.35E+01
3570	478863.09	3850377.25	34.57538	4.63E+01	4.86E+01	5.29E+01
3571	479363.09	3850377.25	13.03043	1.74E+01	1.83E+01	2.00E+01
3572	479863.09	3850377.25	9.01702	1.21E+01	1.27E+01	1.38E+01
3573	480363.09	3850377.25	6.32574	8.47E+00	8.90E+00	9.69E+00
3574	480863.09	3850377.25	5.06478	6.78E+00	7.13E+00	7.76E+00
3575	481363.09	3850377.25	3.58884	4.80E+00	5.05E+00	5.50E+00
3576	481863.09	3850377.25	2.90155	3.88E+00	4.08E+00	4.44E+00
3577	482363.09	3850377.25	2.37156	3.17E+00	3.34E+00	3.63E+00
3578	482863.09	3850377.25	1.32667	1.78E+00	1.87E+00	2.03E+00
3579	483363.09	3850377.25	0.83339	1.12E+00	1.17E+00	1.28E+00
3580	483863.09	3850377.25	0.96852	1.30E+00	1.36E+00	1.48E+00
3581	484363.09	3850377.25	1.25145	1.67E+00	1.76E+00	1.92E+00
3582	484863.09	3850377.25	1.53826	2.06E+00	2.16E+00	2.36E+00
3583	485363.09	3850377.25	1.42049	1.90E+00	2.00E+00	2.18E+00
3584	485863.09	3850377.25	1.1965	1.60E+00	1.68E+00	1.83E+00
3585	486363.09	3850377.25	1.1569	1.55E+00	1.63E+00	1.77E+00
3586	486863.09	3850377.25	1.05511	1.41E+00	1.48E+00	1.62E+00
3587	487363.09	3850377.25	0.90811	1.22E+00	1.28E+00	1.39E+00

3588	487863.09	3850377.25	0.83527	1.12E+00	1.18E+00	1.28E+00
3589	488363.09	3850377.25	0.76442	1.02E+00	1.08E+00	1.17E+00
3590	488863.09	3850377.25	0.71483	9.57E-01	1.01E+00	1.09E+00
3591	489363.09	3850377.25	0.62777	8.40E-01	8.83E-01	9.61E-01
3592	489863.09	3850377.25	0.53137	7.11E-01	7.48E-01	8.14E-01
3593	490363.09	3850377.25	0.45934	6.15E-01	6.46E-01	7.03E-01
3594	490863.09	3850377.25	0.40476	5.42E-01	5.70E-01	6.20E-01
3595	491363.09	3850377.25	0.33951	4.54E-01	4.78E-01	5.20E-01
3596	491863.09	3850377.25	0.27033	3.62E-01	3.80E-01	4.14E-01
3597	492363.09	3850377.25	0.21206	2.84E-01	2.98E-01	3.25E-01
3598	492863.09	3850377.25	0.18348	2.46E-01	2.58E-01	2.81E-01
3599	493363.09	3850377.25	0.1618	2.17E-01	2.28E-01	2.48E-01
3600	493863.09	3850377.25	0.16458	2.20E-01	2.32E-01	2.52E-01
3601	494363.09	3850377.25	0.17004	2.28E-01	2.39E-01	2.60E-01
3602	494863.09	3850377.25	0.19454	2.60E-01	2.74E-01	2.98E-01
3603	495363.09	3850377.25	0.23808	3.19E-01	3.35E-01	3.65E-01
3604	495863.09	3850377.25	0.20379	2.73E-01	2.87E-01	3.12E-01
3605	496363.09	3850377.25	0.25191	3.37E-01	3.54E-01	3.86E-01
3606	496863.09	3850377.25	0.30699	4.11E-01	4.32E-01	4.70E-01
3607	497363.09	3850377.25	0.32252	4.32E-01	4.54E-01	4.94E-01
3608	497863.09	3850377.25	0.30155	4.04E-01	4.24E-01	4.62E-01
3609	498363.09	3850377.25	0.28223	3.78E-01	3.97E-01	4.32E-01
3610	471363.09	3850877.25	0.81283	1.09E+00	1.14E+00	1.24E+00
3611	471863.09	3850877.25	1.11314	1.49E+00	1.57E+00	1.70E+00
3612	472363.09	3850877.25	1.53311	2.05E+00	2.16E+00	2.35E+00
3613	472863.09	3850877.25	1.869	2.50E+00	2.63E+00	2.86E+00
3614	473363.09	3850877.25	1.73983	2.33E+00	2.45E+00	2.66E+00
3615	473863.09	3850877.25	2.03545	2.72E+00	2.86E+00	3.12E+00
3616	474363.09	3850877.25	2.16784	2.90E+00	3.05E+00	3.32E+00
3617	474863.09	3850877.25	2.29641	3.07E+00	3.23E+00	3.52E+00
3618	475363.09	3850877.25	2.4998	3.35E+00	3.52E+00	3.83E+00
3619	475863.09	3850877.25	2.83766	3.80E+00	3.99E+00	4.34E+00
3620	476363.09	3850877.25	3.34803	4.48E+00	4.71E+00	5.13E+00
3621	476863.09	3850877.25	3.66526	4.91E+00	5.16E+00	5.61E+00
3622	477363.09	3850877.25	4.06151	5.44E+00	5.71E+00	6.22E+00
3623	477863.09	3850877.25	4.44772	5.95E+00	6.26E+00	6.81E+00
3624	478363.09	3850877.25	5.41163	7.24E+00	7.61E+00	8.29E+00
3625	478863.09	3850877.25	7.48071	1.00E+01	1.05E+01	1.15E+01
3626	479363.09	3850877.25	13.50246	1.81E+01	1.90E+01	2.07E+01
3627	479863.09	3850877.25	43.05744	5.76E+01	6.06E+01	6.59E+01
3628	480363.09	3850877.25	14.93149	2.00E+01	2.10E+01	2.29E+01
3629	480863.09	3850877.25	8.51817	1.14E+01	1.20E+01	1.30E+01
3630	481363.09	3850877.25	5.9775	8.00E+00	8.41E+00	9.15E+00
3631	481863.09	3850877.25	4.85411	6.50E+00	6.83E+00	7.43E+00
3632	482363.09	3850877.25	3.74188	5.01E+00	5.27E+00	5.73E+00
3633	482863.09	3850877.25	2.86885	3.84E+00	4.04E+00	4.39E+00
3634	483363.09	3850877.25	2.00272	2.68E+00	2.82E+00	3.07E+00
3635	483863.09	3850877.25	1.7543	2.35E+00	2.47E+00	2.69E+00
3636	484363.09	3850877.25	1.9343	2.59E+00	2.72E+00	2.96E+00
3637	484863.09	3850877.25	1.82022	2.44E+00	2.56E+00	2.79E+00
3638	485363.09	3850877.25	1.71404	2.29E+00	2.41E+00	2.62E+00
3639	485863.09	3850877.25	1.39154	1.86E+00	1.96E+00	2.13E+00
3640	486363.09	3850877.25	1.40584	1.88E+00	1.98E+00	2.15E+00
3641	486863.09	3850877.25	1.28725	1.72E+00	1.81E+00	1.97E+00
3642	487363.09	3850877.25	1.09874	1.47E+00	1.55E+00	1.68E+00
3643	487863.09	3850877.25	1.03443	1.38E+00	1.46E+00	1.58E+00
3644	488363.09	3850877.25	0.96684	1.29E+00	1.36E+00	1.48E+00
3645	488863.09	3850877.25	0.85693	1.15E+00	1.21E+00	1.31E+00
3646	489363.09	3850877.25	0.78199	1.05E+00	1.10E+00	1.20E+00
3647	489863.09	3850877.25	0.7019	9.39E-01	9.88E-01	1.07E+00
3648	490363.09	3850877.25	0.63344	8.48E-01	8.91E-01	9.70E-01
3649	490863.09	3850877.25	0.53754	7.19E-01	7.56E-01	8.23E-01
3650	491363.09	3850877.25	0.4405	5.90E-01	6.20E-01	6.74E-01

3651	491863.09	3850877.25	0.34909	4.67E-01	4.91E-01	5.35E-01
3652	492363.09	3850877.25	0.27787	3.72E-01	3.91E-01	4.25E-01
3653	492863.09	3850877.25	0.23534	3.15E-01	3.31E-01	3.60E-01
3654	493363.09	3850877.25	0.21767	2.91E-01	3.06E-01	3.33E-01
3655	493863.09	3850877.25	0.24197	3.24E-01	3.40E-01	3.71E-01
3656	494363.09	3850877.25	0.24343	3.26E-01	3.43E-01	3.73E-01
3657	494863.09	3850877.25	0.27842	3.73E-01	3.92E-01	4.26E-01
3658	495363.09	3850877.25	0.33106	4.43E-01	4.66E-01	5.07E-01
3659	495863.09	3850877.25	0.32136	4.30E-01	4.52E-01	4.92E-01
3660	496363.09	3850877.25	0.34301	4.59E-01	4.83E-01	5.25E-01
3661	496863.09	3850877.25	0.393	5.26E-01	5.53E-01	6.02E-01
3662	497363.09	3850877.25	0.37835	5.06E-01	5.32E-01	5.79E-01
3663	497863.09	3850877.25	0.3533	4.73E-01	4.97E-01	5.41E-01
3664	498363.09	3850877.25	0.32159	4.30E-01	4.52E-01	4.92E-01
3665	471363.09	3851377.25	0.79499	1.06E+00	1.12E+00	1.22E+00
3666	471863.09	3851377.25	1.27018	1.70E+00	1.79E+00	1.94E+00
3667	472363.09	3851377.25	1.24158	1.66E+00	1.75E+00	1.90E+00
3668	472863.09	3851377.25	1.29017	1.73E+00	1.82E+00	1.98E+00
3669	473363.09	3851377.25	1.1187	1.50E+00	1.57E+00	1.71E+00
3670	473863.09	3851377.25	1.30687	1.75E+00	1.84E+00	2.00E+00
3671	474363.09	3851377.25	1.68843	2.26E+00	2.38E+00	2.59E+00
3672	474863.09	3851377.25	1.97217	2.64E+00	2.77E+00	3.02E+00
3673	475363.09	3851377.25	2.11953	2.84E+00	2.98E+00	3.25E+00
3674	475863.09	3851377.25	2.31646	3.10E+00	3.26E+00	3.55E+00
3675	476363.09	3851377.25	2.55586	3.42E+00	3.60E+00	3.91E+00
3676	476863.09	3851377.25	2.8454	3.81E+00	4.00E+00	4.36E+00
3677	477363.09	3851377.25	3.02609	4.05E+00	4.26E+00	4.63E+00
3678	477863.09	3851377.25	3.27837	4.39E+00	4.61E+00	5.02E+00
3679	478363.09	3851377.25	3.62706	4.85E+00	5.10E+00	5.55E+00
3680	478863.09	3851377.25	4.18099	5.60E+00	5.88E+00	6.40E+00
3681	479363.09	3851377.25	5.22763	7.00E+00	7.36E+00	8.00E+00
3682	479863.09	3851377.25	7.06608	9.46E+00	9.94E+00	1.08E+01
3683	480363.09	3851377.25	12.52536	1.68E+01	1.76E+01	1.92E+01
3684	480863.09	3851377.25	49.18298	6.58E+01	6.92E+01	7.53E+01
3685	481363.09	3851377.25	12.97384	1.74E+01	1.83E+01	1.99E+01
3686	481863.09	3851377.25	8.16735	1.09E+01	1.15E+01	1.25E+01
3687	482363.09	3851377.25	6.0409	8.09E+00	8.50E+00	9.25E+00
3688	482863.09	3851377.25	4.40155	5.89E+00	6.19E+00	6.74E+00
3689	483363.09	3851377.25	2.9954	4.01E+00	4.21E+00	4.59E+00
3690	483863.09	3851377.25	2.41415	3.23E+00	3.40E+00	3.70E+00
3691	484363.09	3851377.25	2.84209	3.80E+00	4.00E+00	4.35E+00
3692	484863.09	3851377.25	2.04695	2.74E+00	2.88E+00	3.13E+00
3693	485363.09	3851377.25	2.27786	3.05E+00	3.21E+00	3.49E+00
3694	485863.09	3851377.25	1.87478	2.51E+00	2.64E+00	2.87E+00
3695	486363.09	3851377.25	1.8058	2.42E+00	2.54E+00	2.77E+00
3696	486863.09	3851377.25	1.60159	2.14E+00	2.25E+00	2.45E+00
3697	487363.09	3851377.25	1.24315	1.66E+00	1.75E+00	1.90E+00
3698	487863.09	3851377.25	1.23109	1.65E+00	1.73E+00	1.89E+00
3699	488363.09	3851377.25	1.15656	1.55E+00	1.63E+00	1.77E+00
3700	488863.09	3851377.25	1.03823	1.39E+00	1.46E+00	1.59E+00
3701	489363.09	3851377.25	0.97769	1.31E+00	1.38E+00	1.50E+00
3702	489863.09	3851377.25	0.84203	1.13E+00	1.18E+00	1.29E+00
3703	490363.09	3851377.25	0.74942	1.00E+00	1.05E+00	1.15E+00
3704	490863.09	3851377.25	0.64558	8.64E-01	9.08E-01	9.89E-01
3705	491363.09	3851377.25	0.53201	7.12E-01	7.49E-01	8.15E-01
3706	491863.09	3851377.25	0.44438	5.95E-01	6.25E-01	6.80E-01
3707	492363.09	3851377.25	0.37825	5.06E-01	5.32E-01	5.79E-01
3708	492863.09	3851377.25	0.31744	4.25E-01	4.47E-01	4.86E-01
3709	493363.09	3851377.25	0.22847	3.06E-01	3.21E-01	3.50E-01
3710	493863.09	3851377.25	0.24786	3.32E-01	3.49E-01	3.80E-01
3711	494363.09	3851377.25	0.3451	4.62E-01	4.86E-01	5.28E-01
3712	494863.09	3851377.25	0.34744	4.65E-01	4.89E-01	5.32E-01
3713	495363.09	3851377.25	0.46325	6.20E-01	6.52E-01	7.09E-01

3714	495863.09	3851377.25	0.485	6.49E-01	6.82E-01	7.43E-01
3715	496363.09	3851377.25	0.4757	6.37E-01	6.69E-01	7.28E-01
3716	496863.09	3851377.25	0.46206	6.18E-01	6.50E-01	7.08E-01
3717	497363.09	3851377.25	0.44065	5.90E-01	6.20E-01	6.75E-01
3718	497863.09	3851377.25	0.40488	5.42E-01	5.70E-01	6.20E-01
3719	498363.09	3851377.25	0.34095	4.56E-01	4.80E-01	5.22E-01
3720	471363.09	3851877.25	0.8228	1.10E+00	1.16E+00	1.26E+00
3721	471863.09	3851877.25	0.74062	9.91E-01	1.04E+00	1.13E+00
3722	472363.09	3851877.25	0.98057	1.31E+00	1.38E+00	1.50E+00
3723	472863.09	3851877.25	1.13608	1.52E+00	1.60E+00	1.74E+00
3724	473363.09	3851877.25	1.02953	1.38E+00	1.45E+00	1.58E+00
3725	473863.09	3851877.25	1.10436	1.48E+00	1.55E+00	1.69E+00
3726	474363.09	3851877.25	1.38238	1.85E+00	1.95E+00	2.12E+00
3727	474863.09	3851877.25	1.55615	2.08E+00	2.19E+00	2.38E+00
3728	475363.09	3851877.25	1.7311	2.32E+00	2.44E+00	2.65E+00
3729	475863.09	3851877.25	1.91927	2.57E+00	2.70E+00	2.94E+00
3730	476363.09	3851877.25	1.95057	2.61E+00	2.74E+00	2.99E+00
3731	476863.09	3851877.25	2.28165	3.05E+00	3.21E+00	3.49E+00
3732	477363.09	3851877.25	2.43355	3.26E+00	3.42E+00	3.73E+00
3733	477863.09	3851877.25	2.62033	3.51E+00	3.69E+00	4.01E+00
3734	478363.09	3851877.25	2.70709	3.62E+00	3.81E+00	4.15E+00
3735	478863.09	3851877.25	3.03713	4.06E+00	4.27E+00	4.65E+00
3736	479363.09	3851877.25	3.41834	4.58E+00	4.81E+00	5.23E+00
3737	479863.09	3851877.25	3.99546	5.35E+00	5.62E+00	6.12E+00
3738	480363.09	3851877.25	4.97875	6.66E+00	7.01E+00	7.62E+00
3739	480863.09	3851877.25	7.3237	9.80E+00	1.03E+01	1.12E+01
3740	481363.09	3851877.25	16.18378	2.17E+01	2.28E+01	2.48E+01
3741	481863.09	3851877.25	21.43204	2.87E+01	3.02E+01	3.28E+01
3742	482363.09	3851877.25	11.06387	1.48E+01	1.56E+01	1.69E+01
3743	482863.09	3851877.25	6.09566	8.16E+00	8.58E+00	9.33E+00
3744	483363.09	3851877.25	5.17487	6.93E+00	7.28E+00	7.92E+00
3745	483863.09	3851877.25	4.10807	5.50E+00	5.78E+00	6.29E+00
3746	484363.09	3851877.25	3.72573	4.99E+00	5.24E+00	5.70E+00
3747	484863.09	3851877.25	2.98368	3.99E+00	4.20E+00	4.57E+00
3748	485363.09	3851877.25	2.79949	3.75E+00	3.94E+00	4.29E+00
3749	485863.09	3851877.25	2.57948	3.45E+00	3.63E+00	3.95E+00
3750	486363.09	3851877.25	2.23109	2.99E+00	3.14E+00	3.42E+00
3751	486863.09	3851877.25	1.98903	2.66E+00	2.80E+00	3.05E+00
3752	487363.09	3851877.25	1.76216	2.36E+00	2.48E+00	2.70E+00
3753	487863.09	3851877.25	1.45153	1.94E+00	2.04E+00	2.22E+00
3754	488363.09	3851877.25	1.29292	1.73E+00	1.82E+00	1.98E+00
3755	488863.09	3851877.25	1.04766	1.40E+00	1.47E+00	1.60E+00
3756	489363.09	3851877.25	0.86049	1.15E+00	1.21E+00	1.32E+00
3757	489863.09	3851877.25	0.74545	9.98E-01	1.05E+00	1.14E+00
3758	490363.09	3851877.25	0.70504	9.44E-01	9.92E-01	1.08E+00
3759	490863.09	3851877.25	0.66814	8.94E-01	9.40E-01	1.02E+00
3760	491363.09	3851877.25	0.6477	8.67E-01	9.11E-01	9.92E-01
3761	491863.09	3851877.25	0.62688	8.39E-01	8.82E-01	9.60E-01
3762	492363.09	3851877.25	0.51947	6.95E-01	7.31E-01	7.95E-01
3763	492863.09	3851877.25	0.32196	4.31E-01	4.53E-01	4.93E-01
3764	493363.09	3851877.25	0.44696	5.98E-01	6.29E-01	6.84E-01
3765	493863.09	3851877.25	0.59735	8.00E-01	8.41E-01	9.15E-01
3766	494363.09	3851877.25	0.51885	6.94E-01	7.30E-01	7.94E-01
3767	494863.09	3851877.25	0.57632	7.71E-01	8.11E-01	8.82E-01
3768	495363.09	3851877.25	0.6064	8.12E-01	8.53E-01	9.29E-01
3769	495863.09	3851877.25	0.61383	8.22E-01	8.64E-01	9.40E-01
3770	496363.09	3851877.25	0.57104	7.64E-01	8.03E-01	8.74E-01
3771	496863.09	3851877.25	0.5282	7.07E-01	7.43E-01	8.09E-01
3772	497363.09	3851877.25	0.47477	6.35E-01	6.68E-01	7.27E-01
3773	497863.09	3851877.25	0.40765	5.46E-01	5.74E-01	6.24E-01
3774	498363.09	3851877.25	0.33661	4.51E-01	4.74E-01	5.15E-01
3775	471363.09	3852377.25	0.57468	7.69E-01	8.09E-01	8.80E-01
3776	471863.09	3852377.25	0.73653	9.86E-01	1.04E+00	1.13E+00

3777	472363.09	3852377.25	0.85034	1.14E+00	1.20E+00	1.30E+00
3778	472863.09	3852377.25	0.95692	1.28E+00	1.35E+00	1.47E+00
3779	473363.09	3852377.25	1.01301	1.36E+00	1.43E+00	1.55E+00
3780	473863.09	3852377.25	1.05405	1.41E+00	1.48E+00	1.61E+00
3781	474363.09	3852377.25	1.10377	1.48E+00	1.55E+00	1.69E+00
3782	474863.09	3852377.25	1.40406	1.88E+00	1.98E+00	2.15E+00
3783	475363.09	3852377.25	1.45788	1.95E+00	2.05E+00	2.23E+00
3784	475863.09	3852377.25	1.57649	2.11E+00	2.22E+00	2.41E+00
3785	476363.09	3852377.25	1.70425	2.28E+00	2.40E+00	2.61E+00
3786	476863.09	3852377.25	1.88685	2.53E+00	2.65E+00	2.89E+00
3787	477363.09	3852377.25	2.04711	2.74E+00	2.88E+00	3.13E+00
3788	477863.09	3852377.25	2.15091	2.88E+00	3.03E+00	3.29E+00
3789	478363.09	3852377.25	1.94466	2.60E+00	2.74E+00	2.98E+00
3790	478863.09	3852377.25	2.40412	3.22E+00	3.38E+00	3.68E+00
3791	479363.09	3852377.25	2.52934	3.39E+00	3.56E+00	3.87E+00
3792	479863.09	3852377.25	2.84148	3.80E+00	4.00E+00	4.35E+00
3793	480363.09	3852377.25	3.46757	4.64E+00	4.88E+00	5.31E+00
3794	480863.09	3852377.25	4.32267	5.79E+00	6.08E+00	6.62E+00
3795	481363.09	3852377.25	6.26866	8.39E+00	8.82E+00	9.60E+00
3796	481863.09	3852377.25	18.34824	2.46E+01	2.58E+01	2.81E+01
3797	482363.09	3852377.25	16.73256	2.24E+01	2.35E+01	2.56E+01
3798	482863.09	3852377.25	12.62023	1.69E+01	1.78E+01	1.93E+01
3799	483363.09	3852377.25	8.30382	1.11E+01	1.17E+01	1.27E+01
3800	483863.09	3852377.25	6.07519	8.13E+00	8.55E+00	9.30E+00
3801	484363.09	3852377.25	5.16256	6.91E+00	7.26E+00	7.90E+00
3802	484863.09	3852377.25	4.37621	5.86E+00	6.16E+00	6.70E+00
3803	485363.09	3852377.25	3.80581	5.09E+00	5.36E+00	5.83E+00
3804	485863.09	3852377.25	3.24467	4.34E+00	4.57E+00	4.97E+00
3805	486363.09	3852377.25	2.5657	3.43E+00	3.61E+00	3.93E+00
3806	486863.09	3852377.25	2.20603	2.95E+00	3.10E+00	3.38E+00
3807	487363.09	3852377.25	1.84142	2.46E+00	2.59E+00	2.82E+00
3808	487863.09	3852377.25	1.53295	2.05E+00	2.16E+00	2.35E+00
3809	488363.09	3852377.25	1.24313	1.66E+00	1.75E+00	1.90E+00
3810	488863.09	3852377.25	0.98432	1.32E+00	1.38E+00	1.51E+00
3811	489363.09	3852377.25	0.78827	1.06E+00	1.11E+00	1.21E+00
3812	489863.09	3852377.25	0.55678	7.45E-01	7.83E-01	8.53E-01
3813	490363.09	3852377.25	0.65166	8.72E-01	9.17E-01	9.98E-01
3814	490863.09	3852377.25	0.68944	9.23E-01	9.70E-01	1.06E+00
3815	491363.09	3852377.25	0.82803	1.11E+00	1.17E+00	1.27E+00
3816	491863.09	3852377.25	0.78174	1.05E+00	1.10E+00	1.20E+00
3817	492363.09	3852377.25	0.74712	1.00E+00	1.05E+00	1.14E+00
3818	492863.09	3852377.25	0.76502	1.02E+00	1.08E+00	1.17E+00
3819	493363.09	3852377.25	0.82341	1.10E+00	1.16E+00	1.26E+00
3820	493863.09	3852377.25	0.77433	1.04E+00	1.09E+00	1.19E+00
3821	494363.09	3852377.25	0.73902	9.89E-01	1.04E+00	1.13E+00
3822	494863.09	3852377.25	0.76686	1.03E+00	1.08E+00	1.17E+00
3823	495363.09	3852377.25	0.78816	1.05E+00	1.11E+00	1.21E+00
3824	495863.09	3852377.25	0.70434	9.43E-01	9.91E-01	1.08E+00
3825	496363.09	3852377.25	0.63159	8.45E-01	8.89E-01	9.67E-01
3826	496863.09	3852377.25	0.58091	7.78E-01	8.17E-01	8.89E-01
3827	497363.09	3852377.25	0.48497	6.49E-01	6.82E-01	7.43E-01
3828	497863.09	3852377.25	0.38043	5.09E-01	5.35E-01	5.83E-01
3829	498363.09	3852377.25	0.29127	3.90E-01	4.10E-01	4.46E-01
3830	471363.09	3852877.25	0.60928	8.15E-01	8.57E-01	9.33E-01
3831	471863.09	3852877.25	0.70589	9.45E-01	9.93E-01	1.08E+00
3832	472363.09	3852877.25	0.80262	1.07E+00	1.13E+00	1.23E+00
3833	472863.09	3852877.25	0.90169	1.21E+00	1.27E+00	1.38E+00
3834	473363.09	3852877.25	0.98346	1.32E+00	1.38E+00	1.51E+00
3835	473863.09	3852877.25	1.08284	1.45E+00	1.52E+00	1.66E+00
3836	474363.09	3852877.25	1.16554	1.56E+00	1.64E+00	1.78E+00
3837	474863.09	3852877.25	1.10209	1.48E+00	1.55E+00	1.69E+00
3838	475363.09	3852877.25	1.24022	1.66E+00	1.75E+00	1.90E+00
3839	475863.09	3852877.25	1.37718	1.84E+00	1.94E+00	2.11E+00

3840	476363.09	3852877.25	1.48339	1.99E+00	2.09E+00	2.27E+00
3841	476863.09	3852877.25	1.31867	1.76E+00	1.86E+00	2.02E+00
3842	477363.09	3852877.25	1.41237	1.89E+00	1.99E+00	2.16E+00
3843	477863.09	3852877.25	1.09945	1.47E+00	1.55E+00	1.68E+00
3844	478363.09	3852877.25	0.79032	1.06E+00	1.11E+00	1.21E+00
3845	478863.09	3852877.25	1.04643	1.40E+00	1.47E+00	1.60E+00
3846	479363.09	3852877.25	1.83437	2.46E+00	2.58E+00	2.81E+00
3847	479863.09	3852877.25	2.26759	3.03E+00	3.19E+00	3.47E+00
3848	480363.09	3852877.25	2.6284	3.52E+00	3.70E+00	4.02E+00
3849	480863.09	3852877.25	3.18424	4.26E+00	4.48E+00	4.88E+00
3850	481363.09	3852877.25	3.98554	5.33E+00	5.61E+00	6.10E+00
3851	481863.09	3852877.25	5.95986	7.98E+00	8.39E+00	9.13E+00
3852	482363.09	3852877.25	20.81677	2.79E+01	2.93E+01	3.19E+01
3853	482863.09	3852877.25	13.67663	1.83E+01	1.92E+01	2.09E+01
3854	483363.09	3852877.25	10.96306	1.47E+01	1.54E+01	1.68E+01
3855	483863.09	3852877.25	8.31498	1.11E+01	1.17E+01	1.27E+01
3856	484363.09	3852877.25	7.02286	9.40E+00	9.88E+00	1.08E+01
3857	484863.09	3852877.25	6.16475	8.25E+00	8.67E+00	9.44E+00
3858	485363.09	3852877.25	4.49929	6.02E+00	6.33E+00	6.89E+00
3859	485863.09	3852877.25	3.58701	4.80E+00	5.05E+00	5.49E+00
3860	486363.09	3852877.25	2.76635	3.70E+00	3.89E+00	4.24E+00
3861	486863.09	3852877.25	2.36537	3.17E+00	3.33E+00	3.62E+00
3862	487363.09	3852877.25	1.90693	2.55E+00	2.68E+00	2.92E+00
3863	487863.09	3852877.25	1.48743	1.99E+00	2.09E+00	2.28E+00
3864	488363.09	3852877.25	0.72141	9.66E-01	1.02E+00	1.10E+00
3865	488863.09	3852877.25	0.74419	9.96E-01	1.05E+00	1.14E+00
3866	489363.09	3852877.25	0.70694	9.46E-01	9.95E-01	1.08E+00
3867	489863.09	3852877.25	0.68324	9.14E-01	9.61E-01	1.05E+00
3868	490363.09	3852877.25	1.01967	1.36E+00	1.43E+00	1.56E+00
3869	490863.09	3852877.25	1.12644	1.51E+00	1.58E+00	1.72E+00
3870	491363.09	3852877.25	1.14517	1.53E+00	1.61E+00	1.75E+00
3871	491863.09	3852877.25	1.10472	1.48E+00	1.55E+00	1.69E+00
3872	492363.09	3852877.25	1.0585	1.42E+00	1.49E+00	1.62E+00
3873	492863.09	3852877.25	1.10609	1.48E+00	1.56E+00	1.69E+00
3874	493363.09	3852877.25	1.07252	1.44E+00	1.51E+00	1.64E+00
3875	493863.09	3852877.25	0.97409	1.30E+00	1.37E+00	1.49E+00
3876	494363.09	3852877.25	0.92617	1.24E+00	1.30E+00	1.42E+00
3877	494863.09	3852877.25	0.91662	1.23E+00	1.29E+00	1.40E+00
3878	495363.09	3852877.25	0.81958	1.10E+00	1.15E+00	1.25E+00
3879	495863.09	3852877.25	0.73108	9.78E-01	1.03E+00	1.12E+00
3880	496363.09	3852877.25	0.69917	9.36E-01	9.84E-01	1.07E+00
3881	496863.09	3852877.25	0.64761	8.67E-01	9.11E-01	9.92E-01
3882	497363.09	3852877.25	0.50272	6.73E-01	7.07E-01	7.70E-01
3883	497863.09	3852877.25	0.25935	3.47E-01	3.65E-01	3.97E-01
3884	498363.09	3852877.25	0.23155	3.10E-01	3.26E-01	3.55E-01
3885	471363.09	3853377.25	0.63847	8.55E-01	8.98E-01	9.78E-01
3886	471863.09	3853377.25	0.7146	9.56E-01	1.01E+00	1.09E+00
3887	472363.09	3853377.25	0.75388	1.01E+00	1.06E+00	1.15E+00
3888	472863.09	3853377.25	0.8333	1.12E+00	1.17E+00	1.28E+00
3889	473363.09	3853377.25	0.89921	1.20E+00	1.27E+00	1.38E+00
3890	473863.09	3853377.25	0.95166	1.27E+00	1.34E+00	1.46E+00
3891	474363.09	3853377.25	0.98004	1.31E+00	1.38E+00	1.50E+00
3892	474863.09	3853377.25	0.96109	1.29E+00	1.35E+00	1.47E+00
3893	475363.09	3853377.25	1.00315	1.34E+00	1.41E+00	1.54E+00
3894	475863.09	3853377.25	1.08675	1.45E+00	1.53E+00	1.66E+00
3895	476363.09	3853377.25	1.10941	1.48E+00	1.56E+00	1.70E+00
3896	476863.09	3853377.25	0.85307	1.14E+00	1.20E+00	1.31E+00
3897	477363.09	3853377.25	0.8853	1.18E+00	1.25E+00	1.36E+00
3898	477863.09	3853377.25	0.9177	1.23E+00	1.29E+00	1.41E+00
3899	478363.09	3853377.25	0.65063	8.71E-01	9.15E-01	9.96E-01
3900	478863.09	3853377.25	0.38819	5.20E-01	5.46E-01	5.94E-01
3901	479363.09	3853377.25	1.05893	1.42E+00	1.49E+00	1.62E+00
3902	479863.09	3853377.25	1.78389	2.39E+00	2.51E+00	2.73E+00

3903	480363.09	3853377.25	2.1552	2.88E+00	3.03E+00	3.30E+00
3904	480863.09	3853377.25	2.39496	3.21E+00	3.37E+00	3.67E+00
3905	481363.09	3853377.25	2.67634	3.58E+00	3.77E+00	4.10E+00
3906	481863.09	3853377.25	3.68921	4.94E+00	5.19E+00	5.65E+00
3907	482363.09	3853377.25	6.04115	8.09E+00	8.50E+00	9.25E+00
3908	482863.09	3853377.25	30.79328	4.12E+01	4.33E+01	4.72E+01
3909	483363.09	3853377.25	11.40004	1.53E+01	1.60E+01	1.75E+01
3910	483863.09	3853377.25	8.54982	1.14E+01	1.20E+01	1.31E+01
3911	484363.09	3853377.25	8.44876	1.13E+01	1.19E+01	1.29E+01
3912	484863.09	3853377.25	6.792	9.09E+00	9.56E+00	1.04E+01
3913	485363.09	3853377.25	4.65413	6.23E+00	6.55E+00	7.13E+00
3914	485863.09	3853377.25	3.32734	4.45E+00	4.68E+00	5.09E+00
3915	486363.09	3853377.25	2.85254	3.82E+00	4.01E+00	4.37E+00
3916	486863.09	3853377.25	2.44442	3.27E+00	3.44E+00	3.74E+00
3917	487363.09	3853377.25	2.39078	3.20E+00	3.36E+00	3.66E+00
3918	487863.09	3853377.25	2.1349	2.86E+00	3.00E+00	3.27E+00
3919	488363.09	3853377.25	2.04462	2.74E+00	2.88E+00	3.13E+00
3920	488863.09	3853377.25	1.86834	2.50E+00	2.63E+00	2.86E+00
3921	489363.09	3853377.25	1.61728	2.16E+00	2.28E+00	2.48E+00
3922	489863.09	3853377.25	1.48279	1.98E+00	2.09E+00	2.27E+00
3923	490363.09	3853377.25	1.45604	1.95E+00	2.05E+00	2.23E+00
3924	490863.09	3853377.25	1.40082	1.87E+00	1.97E+00	2.14E+00
3925	491363.09	3853377.25	1.41466	1.89E+00	1.99E+00	2.17E+00
3926	491863.09	3853377.25	1.35167	1.81E+00	1.90E+00	2.07E+00
3927	492363.09	3853377.25	1.39727	1.87E+00	1.97E+00	2.14E+00
3928	492863.09	3853377.25	1.35627	1.82E+00	1.91E+00	2.08E+00
3929	493363.09	3853377.25	1.30346	1.74E+00	1.83E+00	2.00E+00
3930	493863.09	3853377.25	1.2382	1.66E+00	1.74E+00	1.90E+00
3931	494363.09	3853377.25	1.14095	1.53E+00	1.61E+00	1.75E+00
3932	494863.09	3853377.25	1.04953	1.40E+00	1.48E+00	1.61E+00
3933	495363.09	3853377.25	0.9497	1.27E+00	1.34E+00	1.45E+00
3934	495863.09	3853377.25	0.87023	1.16E+00	1.22E+00	1.33E+00
3935	496363.09	3853377.25	0.76075	1.02E+00	1.07E+00	1.16E+00
3936	496863.09	3853377.25	0.5867	7.85E-01	8.26E-01	8.98E-01
3937	497363.09	3853377.25	0.39562	5.30E-01	5.57E-01	6.06E-01
3938	497863.09	3853377.25	0.18306	2.45E-01	2.58E-01	2.80E-01
3939	498363.09	3853377.25	0.13877	1.86E-01	1.95E-01	2.12E-01
3940	471363.09	3853877.25	0.63878	8.55E-01	8.99E-01	9.78E-01
3941	471863.09	3853877.25	0.71115	9.52E-01	1.00E+00	1.09E+00
3942	472363.09	3853877.25	0.73549	9.84E-01	1.03E+00	1.13E+00
3943	472863.09	3853877.25	0.79455	1.06E+00	1.12E+00	1.22E+00
3944	473363.09	3853877.25	0.83622	1.12E+00	1.18E+00	1.28E+00
3945	473863.09	3853877.25	0.85347	1.14E+00	1.20E+00	1.31E+00
3946	474363.09	3853877.25	0.87913	1.18E+00	1.24E+00	1.35E+00
3947	474863.09	3853877.25	0.91463	1.22E+00	1.29E+00	1.40E+00
3948	475363.09	3853877.25	0.9052	1.21E+00	1.27E+00	1.39E+00
3949	475863.09	3853877.25	0.77527	1.04E+00	1.09E+00	1.19E+00
3950	476363.09	3853877.25	0.62925	8.42E-01	8.85E-01	9.64E-01
3951	476863.09	3853877.25	0.37152	4.97E-01	5.23E-01	5.69E-01
3952	477363.09	3853877.25	0.46032	6.16E-01	6.48E-01	7.05E-01
3953	477863.09	3853877.25	0.61739	8.26E-01	8.69E-01	9.45E-01
3954	478363.09	3853877.25	0.67201	8.99E-01	9.46E-01	1.03E+00
3955	478863.09	3853877.25	0.34283	4.59E-01	4.82E-01	5.25E-01
3956	479363.09	3853877.25	0.6128	8.20E-01	8.62E-01	9.38E-01
3957	479863.09	3853877.25	1.30131	1.74E+00	1.83E+00	1.99E+00
3958	480363.09	3853877.25	1.76895	2.37E+00	2.49E+00	2.71E+00
3959	480863.09	3853877.25	2.03113	2.72E+00	2.86E+00	3.11E+00
3960	481363.09	3853877.25	2.2776	3.05E+00	3.20E+00	3.49E+00
3961	481863.09	3853877.25	2.67624	3.58E+00	3.77E+00	4.10E+00
3962	482363.09	3853877.25	3.72447	4.98E+00	5.24E+00	5.70E+00
3963	482863.09	3853877.25	8.22474	1.10E+01	1.16E+01	1.26E+01
3964	483363.09	3853877.25	12.74093	1.71E+01	1.79E+01	1.95E+01
3965	483863.09	3853877.25	9.07845	1.22E+01	1.28E+01	1.39E+01

3966	484363.09	3853877.25	6.88505	9.22E+00	9.69E+00	1.05E+01
3967	484863.09	3853877.25	5.75784	7.71E+00	8.10E+00	8.82E+00
3968	485363.09	3853877.25	3.992	5.34E+00	5.62E+00	6.11E+00
3969	485863.09	3853877.25	4.45443	5.96E+00	6.27E+00	6.82E+00
3970	486363.09	3853877.25	3.67725	4.92E+00	5.17E+00	5.63E+00
3971	486863.09	3853877.25	3.02084	4.04E+00	4.25E+00	4.63E+00
3972	487363.09	3853877.25	3.04693	4.08E+00	4.29E+00	4.67E+00
3973	487863.09	3853877.25	2.88805	3.87E+00	4.06E+00	4.42E+00
3974	488363.09	3853877.25	2.77883	3.72E+00	3.91E+00	4.25E+00
3975	488863.09	3853877.25	2.61221	3.50E+00	3.68E+00	4.00E+00
3976	489363.09	3853877.25	2.34594	3.14E+00	3.30E+00	3.59E+00
3977	489863.09	3853877.25	2.14958	2.88E+00	3.02E+00	3.29E+00
3978	490363.09	3853877.25	1.9269	2.58E+00	2.71E+00	2.95E+00
3979	490863.09	3853877.25	1.79845	2.41E+00	2.53E+00	2.75E+00
3980	491363.09	3853877.25	1.71216	2.29E+00	2.41E+00	2.62E+00
3981	491863.09	3853877.25	1.62402	2.17E+00	2.29E+00	2.49E+00
3982	492363.09	3853877.25	1.63599	2.19E+00	2.30E+00	2.51E+00
3983	492863.09	3853877.25	1.58047	2.12E+00	2.22E+00	2.42E+00
3984	493363.09	3853877.25	1.48776	1.99E+00	2.09E+00	2.28E+00
3985	493863.09	3853877.25	1.40174	1.88E+00	1.97E+00	2.15E+00
3986	494363.09	3853877.25	1.34676	1.80E+00	1.89E+00	2.06E+00
3987	494863.09	3853877.25	1.20797	1.62E+00	1.70E+00	1.85E+00
3988	495363.09	3853877.25	1.03005	1.38E+00	1.45E+00	1.58E+00
3989	495863.09	3853877.25	0.86876	1.16E+00	1.22E+00	1.33E+00
3990	496363.09	3853877.25	0.75003	1.00E+00	1.06E+00	1.15E+00
3991	496863.09	3853877.25	0.54711	7.32E-01	7.70E-01	8.38E-01
3992	497363.09	3853877.25	0.37862	5.07E-01	5.33E-01	5.80E-01
3993	497863.09	3853877.25	0.2316	3.10E-01	3.26E-01	3.55E-01
3994	498363.09	3853877.25	0.17403	2.33E-01	2.45E-01	2.66E-01
3995	471363.09	3854377.25	0.65447	8.76E-01	9.21E-01	1.00E+00
3996	471863.09	3854377.25	0.70244	9.40E-01	9.88E-01	1.08E+00
3997	472363.09	3854377.25	0.73187	9.80E-01	1.03E+00	1.12E+00
3998	472863.09	3854377.25	0.76642	1.03E+00	1.08E+00	1.17E+00
3999	473363.09	3854377.25	0.8136	1.09E+00	1.14E+00	1.25E+00
4000	473863.09	3854377.25	0.85614	1.15E+00	1.20E+00	1.31E+00
4001	474363.09	3854377.25	0.88365	1.18E+00	1.24E+00	1.35E+00
4002	474863.09	3854377.25	0.82285	1.10E+00	1.16E+00	1.26E+00
4003	475363.09	3854377.25	0.7347	9.83E-01	1.03E+00	1.12E+00
4004	475863.09	3854377.25	0.41243	5.52E-01	5.80E-01	6.32E-01
4005	476363.09	3854377.25	0.33522	4.49E-01	4.72E-01	5.13E-01
4006	476863.09	3854377.25	0.30656	4.10E-01	4.31E-01	4.69E-01
4007	477363.09	3854377.25	0.29607	3.96E-01	4.17E-01	4.53E-01
4008	477863.09	3854377.25	0.31686	4.24E-01	4.46E-01	4.85E-01
4009	478363.09	3854377.25	0.40488	5.42E-01	5.70E-01	6.20E-01
4010	478863.09	3854377.25	0.46409	6.21E-01	6.53E-01	7.11E-01
4011	479363.09	3854377.25	0.98827	1.32E+00	1.39E+00	1.51E+00
4012	479863.09	3854377.25	1.25954	1.69E+00	1.77E+00	1.93E+00
4013	480363.09	3854377.25	1.42712	1.91E+00	2.01E+00	2.19E+00
4014	480863.09	3854377.25	1.72456	2.31E+00	2.43E+00	2.64E+00
4015	481363.09	3854377.25	1.90948	2.56E+00	2.69E+00	2.92E+00
4016	481863.09	3854377.25	2.18599	2.93E+00	3.08E+00	3.35E+00
4017	482363.09	3854377.25	2.79663	3.74E+00	3.94E+00	4.28E+00
4018	482863.09	3854377.25	4.14649	5.55E+00	5.83E+00	6.35E+00
4019	483363.09	3854377.25	7.97638	1.07E+01	1.12E+01	1.22E+01
4020	483863.09	3854377.25	7.4302	9.94E+00	1.05E+01	1.14E+01
4021	484363.09	3854377.25	5.08719	6.81E+00	7.16E+00	7.79E+00
4022	484863.09	3854377.25	3.82005	5.11E+00	5.38E+00	5.85E+00
4023	485363.09	3854377.25	4.59542	6.15E+00	6.47E+00	7.04E+00
4024	485863.09	3854377.25	4.2465	5.68E+00	5.98E+00	6.50E+00
4025	486363.09	3854377.25	4.35864	5.83E+00	6.13E+00	6.67E+00
4026	486863.09	3854377.25	4.05308	5.42E+00	5.70E+00	6.21E+00
4027	487363.09	3854377.25	3.50658	4.69E+00	4.93E+00	5.37E+00
4028	487863.09	3854377.25	3.38447	4.53E+00	4.76E+00	5.18E+00

4029	488363.09	3854377.25	3.44036	4.60E+00	4.84E+00	5.27E+00
4030	488863.09	3854377.25	3.09837	4.15E+00	4.36E+00	4.74E+00
4031	489363.09	3854377.25	2.83535	3.79E+00	3.99E+00	4.34E+00
4032	489863.09	3854377.25	2.56981	3.44E+00	3.62E+00	3.93E+00
4033	490363.09	3854377.25	2.36874	3.17E+00	3.33E+00	3.63E+00
4034	490863.09	3854377.25	2.05363	2.75E+00	2.89E+00	3.14E+00
4035	491363.09	3854377.25	2.0051	2.68E+00	2.82E+00	3.07E+00
4036	491863.09	3854377.25	1.88133	2.52E+00	2.65E+00	2.88E+00
4037	492363.09	3854377.25	1.79124	2.40E+00	2.52E+00	2.74E+00
4038	492863.09	3854377.25	1.66945	2.23E+00	2.35E+00	2.56E+00
4039	493363.09	3854377.25	1.58553	2.12E+00	2.23E+00	2.43E+00
4040	493863.09	3854377.25	1.49439	2.00E+00	2.10E+00	2.29E+00
4041	494363.09	3854377.25	1.44669	1.94E+00	2.04E+00	2.22E+00
4042	494863.09	3854377.25	1.15881	1.55E+00	1.63E+00	1.77E+00
4043	495363.09	3854377.25	0.8136	1.09E+00	1.14E+00	1.25E+00
4044	495863.09	3854377.25	0.61482	8.23E-01	8.65E-01	9.41E-01
4045	496363.09	3854377.25	0.48994	6.56E-01	6.89E-01	7.50E-01
4046	496863.09	3854377.25	0.37024	4.96E-01	5.21E-01	5.67E-01
4047	497363.09	3854377.25	0.23662	3.17E-01	3.33E-01	3.62E-01
4048	497863.09	3854377.25	0.26021	3.48E-01	3.66E-01	3.98E-01
4049	498363.09	3854377.25	0.19953	2.67E-01	2.81E-01	3.06E-01
4050	471363.09	3854877.25	0.65323	8.74E-01	9.19E-01	1.00E+00
4051	471863.09	3854877.25	0.67081	8.98E-01	9.44E-01	1.03E+00
4052	472363.09	3854877.25	0.72249	9.67E-01	1.02E+00	1.11E+00
4053	472863.09	3854877.25	0.72876	9.75E-01	1.03E+00	1.12E+00
4054	473363.09	3854877.25	0.7864	1.05E+00	1.11E+00	1.20E+00
4055	473863.09	3854877.25	0.81157	1.09E+00	1.14E+00	1.24E+00
4056	474363.09	3854877.25	0.8488	1.14E+00	1.19E+00	1.30E+00
4057	474863.09	3854877.25	0.71967	9.63E-01	1.01E+00	1.10E+00
4058	475363.09	3854877.25	0.55307	7.40E-01	7.78E-01	8.47E-01
4059	475863.09	3854877.25	0.32387	4.33E-01	4.56E-01	4.96E-01
4060	476363.09	3854877.25	0.17455	2.34E-01	2.46E-01	2.67E-01
4061	476863.09	3854877.25	0.1654	2.21E-01	2.33E-01	2.53E-01
4062	477363.09	3854877.25	0.20248	2.71E-01	2.85E-01	3.10E-01
4063	477863.09	3854877.25	0.2633	3.52E-01	3.70E-01	4.03E-01
4064	478363.09	3854877.25	0.47007	6.29E-01	6.61E-01	7.20E-01
4065	478863.09	3854877.25	0.75606	1.01E+00	1.06E+00	1.16E+00
4066	479363.09	3854877.25	1.00026	1.34E+00	1.41E+00	1.53E+00
4067	479863.09	3854877.25	1.33175	1.78E+00	1.87E+00	2.04E+00
4068	480363.09	3854877.25	1.4496	1.94E+00	2.04E+00	2.22E+00
4069	480863.09	3854877.25	1.54342	2.07E+00	2.17E+00	2.36E+00
4070	481363.09	3854877.25	1.70508	2.28E+00	2.40E+00	2.61E+00
4071	481863.09	3854877.25	1.88002	2.52E+00	2.65E+00	2.88E+00
4072	482363.09	3854877.25	2.26845	3.04E+00	3.19E+00	3.47E+00
4073	482863.09	3854877.25	2.93496	3.93E+00	4.13E+00	4.49E+00
4074	483363.09	3854877.25	3.9434	5.28E+00	5.55E+00	6.04E+00
4075	483863.09	3854877.25	5.72347	7.66E+00	8.05E+00	8.76E+00
4076	484363.09	3854877.25	5.42086	7.26E+00	7.63E+00	8.30E+00
4077	484863.09	3854877.25	5.11646	6.85E+00	7.20E+00	7.83E+00
4078	485363.09	3854877.25	4.87302	6.52E+00	6.86E+00	7.46E+00
4079	485863.09	3854877.25	4.46173	5.97E+00	6.28E+00	6.83E+00
4080	486363.09	3854877.25	4.24988	5.69E+00	5.98E+00	6.51E+00
4081	486863.09	3854877.25	4.37907	5.86E+00	6.16E+00	6.71E+00
4082	487363.09	3854877.25	4.42009	5.92E+00	6.22E+00	6.77E+00
4083	487863.09	3854877.25	3.99917	5.35E+00	5.63E+00	6.12E+00
4084	488363.09	3854877.25	3.37978	4.52E+00	4.76E+00	5.18E+00
4085	488863.09	3854877.25	3.1469	4.21E+00	4.43E+00	4.82E+00
4086	489363.09	3854877.25	3.20635	4.29E+00	4.51E+00	4.91E+00
4087	489863.09	3854877.25	3.07723	4.12E+00	4.33E+00	4.71E+00
4088	490363.09	3854877.25	2.33965	3.13E+00	3.29E+00	3.58E+00
4089	490863.09	3854877.25	1.49786	2.00E+00	2.11E+00	2.29E+00
4090	491363.09	3854877.25	1.82076	2.44E+00	2.56E+00	2.79E+00
4091	491863.09	3854877.25	2.17808	2.92E+00	3.06E+00	3.34E+00

4092	492363.09	3854877.25	2.01641	2.70E+00	2.84E+00	3.09E+00
4093	492863.09	3854877.25	1.90402	2.55E+00	2.68E+00	2.92E+00
4094	493363.09	3854877.25	1.71248	2.29E+00	2.41E+00	2.62E+00
4095	493863.09	3854877.25	1.61491	2.16E+00	2.27E+00	2.47E+00
4096	494363.09	3854877.25	1.31197	1.76E+00	1.85E+00	2.01E+00
4097	494863.09	3854877.25	0.8535	1.14E+00	1.20E+00	1.31E+00
4098	495363.09	3854877.25	0.516	6.91E-01	7.26E-01	7.90E-01
4099	495863.09	3854877.25	0.38274	5.12E-01	5.39E-01	5.86E-01
4100	496363.09	3854877.25	0.25685	3.44E-01	3.61E-01	3.93E-01
4101	496863.09	3854877.25	0.20806	2.78E-01	2.93E-01	3.19E-01
4102	497363.09	3854877.25	0.196	2.62E-01	2.76E-01	3.00E-01
4103	497863.09	3854877.25	0.22603	3.03E-01	3.18E-01	3.46E-01
4104	498363.09	3854877.25	0.22022	2.95E-01	3.10E-01	3.37E-01
4105	471363.09	3855377.25	0.65075	8.71E-01	9.16E-01	9.96E-01
4106	471863.09	3855377.25	0.65709	8.79E-01	9.25E-01	1.01E+00
4107	472363.09	3855377.25	0.71932	9.63E-01	1.01E+00	1.10E+00
4108	472863.09	3855377.25	0.73258	9.81E-01	1.03E+00	1.12E+00
4109	473363.09	3855377.25	0.7823	1.05E+00	1.10E+00	1.20E+00
4110	473863.09	3855377.25	0.80916	1.08E+00	1.14E+00	1.24E+00
4111	474363.09	3855377.25	0.81563	1.09E+00	1.15E+00	1.25E+00
4112	474863.09	3855377.25	0.72273	9.67E-01	1.02E+00	1.11E+00
4113	475363.09	3855377.25	0.2534	3.39E-01	3.57E-01	3.88E-01
4114	475863.09	3855377.25	0.17384	2.33E-01	2.45E-01	2.66E-01
4115	476363.09	3855377.25	0.20503	2.74E-01	2.88E-01	3.14E-01
4116	476863.09	3855377.25	0.19982	2.67E-01	2.81E-01	3.06E-01
4117	477363.09	3855377.25	0.22451	3.00E-01	3.16E-01	3.44E-01
4118	477863.09	3855377.25	0.37336	5.00E-01	5.25E-01	5.72E-01
4119	478363.09	3855377.25	0.56743	7.59E-01	7.98E-01	8.69E-01
4120	478863.09	3855377.25	0.7856	1.05E+00	1.11E+00	1.20E+00
4121	479363.09	3855377.25	0.98189	1.31E+00	1.38E+00	1.50E+00
4122	479863.09	3855377.25	1.10576	1.48E+00	1.56E+00	1.69E+00
4123	480363.09	3855377.25	1.3508	1.81E+00	1.90E+00	2.07E+00
4124	480863.09	3855377.25	1.43045	1.91E+00	2.01E+00	2.19E+00
4125	481363.09	3855377.25	1.63211	2.18E+00	2.30E+00	2.50E+00
4126	481863.09	3855377.25	1.69747	2.27E+00	2.39E+00	2.60E+00
4127	482363.09	3855377.25	1.90786	2.55E+00	2.68E+00	2.92E+00
4128	482863.09	3855377.25	2.25968	3.02E+00	3.18E+00	3.46E+00
4129	483363.09	3855377.25	2.74176	3.67E+00	3.86E+00	4.20E+00
4130	483863.09	3855377.25	3.22273	4.31E+00	4.53E+00	4.93E+00
4131	484363.09	3855377.25	4.51812	6.05E+00	6.36E+00	6.92E+00
4132	484863.09	3855377.25	3.6373	4.87E+00	5.12E+00	5.57E+00
4133	485363.09	3855377.25	4.91705	6.58E+00	6.92E+00	7.53E+00
4134	485863.09	3855377.25	4.19523	5.61E+00	5.90E+00	6.42E+00
4135	486363.09	3855377.25	4.33789	5.81E+00	6.10E+00	6.64E+00
4136	486863.09	3855377.25	3.98482	5.33E+00	5.61E+00	6.10E+00
4137	487363.09	3855377.25	3.93272	5.26E+00	5.53E+00	6.02E+00
4138	487863.09	3855377.25	4.02465	5.39E+00	5.66E+00	6.16E+00
4139	488363.09	3855377.25	3.93526	5.27E+00	5.54E+00	6.03E+00
4140	488863.09	3855377.25	3.41926	4.58E+00	4.81E+00	5.24E+00
4141	489363.09	3855377.25	3.06766	4.11E+00	4.32E+00	4.70E+00
4142	489863.09	3855377.25	2.79466	3.74E+00	3.93E+00	4.28E+00
4143	490363.09	3855377.25	2.8006	3.75E+00	3.94E+00	4.29E+00
4144	490863.09	3855377.25	2.39172	3.20E+00	3.37E+00	3.66E+00
4145	491363.09	3855377.25	1.99919	2.68E+00	2.81E+00	3.06E+00
4146	491863.09	3855377.25	2.21076	2.96E+00	3.11E+00	3.39E+00
4147	492363.09	3855377.25	2.06609	2.77E+00	2.91E+00	3.16E+00
4148	492863.09	3855377.25	1.98456	2.66E+00	2.79E+00	3.04E+00
4149	493363.09	3855377.25	1.90721	2.55E+00	2.68E+00	2.92E+00
4150	493863.09	3855377.25	1.60549	2.15E+00	2.26E+00	2.46E+00
4151	494363.09	3855377.25	1.05823	1.42E+00	1.49E+00	1.62E+00
4152	494863.09	3855377.25	0.5678	7.60E-01	7.99E-01	8.69E-01
4153	495363.09	3855377.25	0.3421	4.58E-01	4.81E-01	5.24E-01
4154	495863.09	3855377.25	0.24353	3.26E-01	3.43E-01	3.73E-01

4155	496363.09	3855377.25	0.22642	3.03E-01	3.19E-01	3.47E-01
4156	496863.09	3855377.25	0.221	2.96E-01	3.11E-01	3.38E-01
4157	497363.09	3855377.25	0.22042	2.95E-01	3.10E-01	3.38E-01
4158	497863.09	3855377.25	0.23689	3.17E-01	3.33E-01	3.63E-01
4159	498363.09	3855377.25	0.26682	3.57E-01	3.75E-01	4.09E-01
4160	471363.09	3855877.25	0.64456	8.63E-01	9.07E-01	9.87E-01
4161	471863.09	3855877.25	0.66299	8.87E-01	9.33E-01	1.02E+00
4162	472363.09	3855877.25	0.71548	9.58E-01	1.01E+00	1.10E+00
4163	472863.09	3855877.25	0.73134	9.79E-01	1.03E+00	1.12E+00
4164	473363.09	3855877.25	0.77032	1.03E+00	1.08E+00	1.18E+00
4165	473863.09	3855877.25	0.7921	1.06E+00	1.11E+00	1.21E+00
4166	474363.09	3855877.25	0.78967	1.06E+00	1.11E+00	1.21E+00
4167	474863.09	3855877.25	0.67633	9.05E-01	9.52E-01	1.04E+00
4168	475363.09	3855877.25	0.40449	5.41E-01	5.69E-01	6.19E-01
4169	475863.09	3855877.25	0.12456	1.67E-01	1.75E-01	1.91E-01
4170	476363.09	3855877.25	0.12543	1.68E-01	1.76E-01	1.92E-01
4171	476863.09	3855877.25	0.2087	2.79E-01	2.94E-01	3.20E-01
4172	477363.09	3855877.25	0.30068	4.02E-01	4.23E-01	4.60E-01
4173	477863.09	3855877.25	0.42083	5.63E-01	5.92E-01	6.44E-01
4174	478363.09	3855877.25	0.58244	7.80E-01	8.20E-01	8.92E-01
4175	478863.09	3855877.25	0.79949	1.07E+00	1.12E+00	1.22E+00
4176	479363.09	3855877.25	0.96814	1.30E+00	1.36E+00	1.48E+00
4177	479863.09	3855877.25	1.09257	1.46E+00	1.54E+00	1.67E+00
4178	480363.09	3855877.25	1.20986	1.62E+00	1.70E+00	1.85E+00
4179	480863.09	3855877.25	1.28969	1.73E+00	1.81E+00	1.97E+00
4180	481363.09	3855877.25	1.37718	1.84E+00	1.94E+00	2.11E+00
4181	481863.09	3855877.25	1.6003	2.14E+00	2.25E+00	2.45E+00
4182	482363.09	3855877.25	1.62469	2.17E+00	2.29E+00	2.49E+00
4183	482863.09	3855877.25	1.90858	2.55E+00	2.69E+00	2.92E+00
4184	483363.09	3855877.25	2.34119	3.13E+00	3.29E+00	3.58E+00
4185	483863.09	3855877.25	2.61085	3.49E+00	3.67E+00	4.00E+00
4186	484363.09	3855877.25	3.05228	4.09E+00	4.29E+00	4.67E+00
4187	484863.09	3855877.25	3.18075	4.26E+00	4.48E+00	4.87E+00
4188	485363.09	3855877.25	2.17847	2.92E+00	3.07E+00	3.34E+00
4189	485863.09	3855877.25	4.09404	5.48E+00	5.76E+00	6.27E+00
4190	486363.09	3855877.25	3.61067	4.83E+00	5.08E+00	5.53E+00
4191	486863.09	3855877.25	3.8653	5.17E+00	5.44E+00	5.92E+00
4192	487363.09	3855877.25	3.59866	4.82E+00	5.06E+00	5.51E+00
4193	487863.09	3855877.25	3.45343	4.62E+00	4.86E+00	5.29E+00
4194	488363.09	3855877.25	3.57219	4.78E+00	5.03E+00	5.47E+00
4195	488863.09	3855877.25	3.64137	4.87E+00	5.12E+00	5.58E+00
4196	489363.09	3855877.25	3.27087	4.38E+00	4.60E+00	5.01E+00
4197	489863.09	3855877.25	2.85609	3.82E+00	4.02E+00	4.37E+00
4198	490363.09	3855877.25	2.61866	3.50E+00	3.68E+00	4.01E+00
4199	490863.09	3855877.25	2.42625	3.25E+00	3.41E+00	3.72E+00
4200	491363.09	3855877.25	2.34432	3.14E+00	3.30E+00	3.59E+00
4201	491863.09	3855877.25	2.33391	3.12E+00	3.28E+00	3.57E+00
4202	492363.09	3855877.25	2.25991	3.02E+00	3.18E+00	3.46E+00
4203	492863.09	3855877.25	2.058	2.75E+00	2.90E+00	3.15E+00
4204	493363.09	3855877.25	1.77725	2.38E+00	2.50E+00	2.72E+00
4205	493863.09	3855877.25	1.30681	1.75E+00	1.84E+00	2.00E+00
4206	494363.09	3855877.25	0.74273	9.94E-01	1.05E+00	1.14E+00
4207	494863.09	3855877.25	0.39919	5.34E-01	5.62E-01	6.11E-01
4208	495363.09	3855877.25	0.24591	3.29E-01	3.46E-01	3.77E-01
4209	495863.09	3855877.25	0.2246	3.01E-01	3.16E-01	3.44E-01
4210	496363.09	3855877.25	0.2252	3.01E-01	3.17E-01	3.45E-01
4211	496863.09	3855877.25	0.23031	3.08E-01	3.24E-01	3.53E-01
4212	497363.09	3855877.25	0.2479	3.32E-01	3.49E-01	3.80E-01
4213	497863.09	3855877.25	0.27526	3.68E-01	3.87E-01	4.21E-01
4214	498363.09	3855877.25	0.35252	4.72E-01	4.96E-01	5.40E-01
4215	471363.09	3856377.25	0.63046	8.44E-01	8.87E-01	9.65E-01
4216	471863.09	3856377.25	0.64709	8.66E-01	9.10E-01	9.91E-01
4217	472363.09	3856377.25	0.67544	9.04E-01	9.50E-01	1.03E+00

4218	472863.09	3856377.25	0.71299	9.54E-01	1.00E+00	1.09E+00
4219	473363.09	3856377.25	0.72964	9.77E-01	1.03E+00	1.12E+00
4220	473863.09	3856377.25	0.78158	1.05E+00	1.10E+00	1.20E+00
4221	474363.09	3856377.25	0.75825	1.01E+00	1.07E+00	1.16E+00
4222	474863.09	3856377.25	0.72315	9.68E-01	1.02E+00	1.11E+00
4223	475363.09	3856377.25	0.60257	8.06E-01	8.48E-01	9.23E-01
4224	475863.09	3856377.25	0.38213	5.11E-01	5.38E-01	5.85E-01
4225	476363.09	3856377.25	0.35803	4.79E-01	5.04E-01	5.48E-01
4226	476863.09	3856377.25	0.40248	5.39E-01	5.66E-01	6.16E-01
4227	477363.09	3856377.25	0.40817	5.46E-01	5.74E-01	6.25E-01
4228	477863.09	3856377.25	0.2765	3.70E-01	3.89E-01	4.23E-01
4229	478363.09	3856377.25	0.21553	2.88E-01	3.03E-01	3.30E-01
4230	478863.09	3856377.25	0.6082	8.14E-01	8.56E-01	9.31E-01
4231	479363.09	3856377.25	0.77406	1.04E+00	1.09E+00	1.19E+00
4232	479863.09	3856377.25	1.05533	1.41E+00	1.48E+00	1.62E+00
4233	480363.09	3856377.25	1.14463	1.53E+00	1.61E+00	1.75E+00
4234	480863.09	3856377.25	1.22083	1.63E+00	1.72E+00	1.87E+00
4235	481363.09	3856377.25	1.37404	1.84E+00	1.93E+00	2.10E+00
4236	481863.09	3856377.25	1.45398	1.95E+00	2.05E+00	2.23E+00
4237	482363.09	3856377.25	1.46293	1.96E+00	2.06E+00	2.24E+00
4238	482863.09	3856377.25	1.64617	2.20E+00	2.32E+00	2.52E+00
4239	483363.09	3856377.25	1.94477	2.60E+00	2.74E+00	2.98E+00
4240	483863.09	3856377.25	2.1222	2.84E+00	2.99E+00	3.25E+00
4241	484363.09	3856377.25	2.61573	3.50E+00	3.68E+00	4.01E+00
4242	484863.09	3856377.25	2.78498	3.73E+00	3.92E+00	4.26E+00
4243	485363.09	3856377.25	2.87616	3.85E+00	4.05E+00	4.40E+00
4244	485863.09	3856377.25	1.85436	2.48E+00	2.61E+00	2.84E+00
4245	486363.09	3856377.25	3.44637	4.61E+00	4.85E+00	5.28E+00
4246	486863.09	3856377.25	3.13559	4.20E+00	4.41E+00	4.80E+00
4247	487363.09	3856377.25	3.11847	4.17E+00	4.39E+00	4.77E+00
4248	487863.09	3856377.25	3.02951	4.05E+00	4.26E+00	4.64E+00
4249	488363.09	3856377.25	2.95429	3.95E+00	4.16E+00	4.52E+00
4250	488863.09	3856377.25	2.94623	3.94E+00	4.15E+00	4.51E+00
4251	489363.09	3856377.25	2.97196	3.98E+00	4.18E+00	4.55E+00
4252	489863.09	3856377.25	3.06827	4.11E+00	4.32E+00	4.70E+00
4253	490363.09	3856377.25	2.8006	3.75E+00	3.94E+00	4.29E+00
4254	490863.09	3856377.25	2.46894	3.30E+00	3.47E+00	3.78E+00
4255	491363.09	3856377.25	2.32236	3.11E+00	3.27E+00	3.56E+00
4256	491863.09	3856377.25	2.13212	2.85E+00	3.00E+00	3.26E+00
4257	492363.09	3856377.25	2.12371	2.84E+00	2.99E+00	3.25E+00
4258	492863.09	3856377.25	2.10455	2.82E+00	2.96E+00	3.22E+00
4259	493363.09	3856377.25	1.60962	2.15E+00	2.26E+00	2.46E+00
4260	493863.09	3856377.25	1.07892	1.44E+00	1.52E+00	1.65E+00
4261	494363.09	3856377.25	0.50607	6.77E-01	7.12E-01	7.75E-01
4262	494863.09	3856377.25	0.33932	4.54E-01	4.77E-01	5.20E-01
4263	495363.09	3856377.25	0.24647	3.30E-01	3.47E-01	3.77E-01
4264	495863.09	3856377.25	0.23582	3.16E-01	3.32E-01	3.61E-01
4265	496363.09	3856377.25	0.2343	3.14E-01	3.30E-01	3.59E-01
4266	496863.09	3856377.25	0.27194	3.64E-01	3.83E-01	4.16E-01
4267	497363.09	3856377.25	0.2949	3.95E-01	4.15E-01	4.52E-01
4268	497863.09	3856377.25	0.37341	5.00E-01	5.25E-01	5.72E-01
4269	498363.09	3856377.25	0.49921	6.68E-01	7.02E-01	7.64E-01
4270	471363.09	3856877.25	0.63454	8.49E-01	8.93E-01	9.72E-01
4271	471863.09	3856877.25	0.63714	8.53E-01	8.96E-01	9.76E-01
4272	472363.09	3856877.25	0.65573	8.78E-01	9.23E-01	1.00E+00
4273	472863.09	3856877.25	0.67979	9.10E-01	9.57E-01	1.04E+00
4274	473363.09	3856877.25	0.70175	9.39E-01	9.87E-01	1.07E+00
4275	473863.09	3856877.25	0.72198	9.66E-01	1.02E+00	1.11E+00
4276	474363.09	3856877.25	0.71292	9.54E-01	1.00E+00	1.09E+00
4277	474863.09	3856877.25	0.68023	9.10E-01	9.57E-01	1.04E+00
4278	475363.09	3856877.25	0.59149	7.92E-01	8.32E-01	9.06E-01
4279	475863.09	3856877.25	0.59473	7.96E-01	8.37E-01	9.11E-01
4280	476363.09	3856877.25	0.52678	7.05E-01	7.41E-01	8.07E-01

4281	476863.09	3856877.25	0.53452	7.15E-01	7.52E-01	8.18E-01
4282	477363.09	3856877.25	0.49828	6.67E-01	7.01E-01	7.63E-01
4283	477863.09	3856877.25	0.24524	3.28E-01	3.45E-01	3.76E-01
4284	478363.09	3856877.25	0.19317	2.59E-01	2.72E-01	2.96E-01
4285	478863.09	3856877.25	0.27903	3.73E-01	3.93E-01	4.27E-01
4286	479363.09	3856877.25	0.48875	6.54E-01	6.88E-01	7.48E-01
4287	479863.09	3856877.25	0.95141	1.27E+00	1.34E+00	1.46E+00
4288	480363.09	3856877.25	1.03252	1.38E+00	1.45E+00	1.58E+00
4289	480863.09	3856877.25	1.18944	1.59E+00	1.67E+00	1.82E+00
4290	481363.09	3856877.25	1.37961	1.85E+00	1.94E+00	2.11E+00
4291	481863.09	3856877.25	1.54344	2.07E+00	2.17E+00	2.36E+00
4292	482363.09	3856877.25	1.42359	1.91E+00	2.00E+00	2.18E+00
4293	482863.09	3856877.25	1.4934	2.00E+00	2.10E+00	2.29E+00
4294	483363.09	3856877.25	1.66925	2.23E+00	2.35E+00	2.56E+00
4295	483863.09	3856877.25	1.90845	2.55E+00	2.69E+00	2.92E+00
4296	484363.09	3856877.25	2.10899	2.82E+00	2.97E+00	3.23E+00
4297	484863.09	3856877.25	2.55588	3.42E+00	3.60E+00	3.91E+00
4298	485363.09	3856877.25	2.75012	3.68E+00	3.87E+00	4.21E+00
4299	485863.09	3856877.25	2.62257	3.51E+00	3.69E+00	4.02E+00
4300	486363.09	3856877.25	2.26732	3.03E+00	3.19E+00	3.47E+00
4301	486863.09	3856877.25	2.28814	3.06E+00	3.22E+00	3.50E+00
4302	487363.09	3856877.25	3.2374	4.33E+00	4.56E+00	4.96E+00
4303	487863.09	3856877.25	2.92786	3.92E+00	4.12E+00	4.48E+00
4304	488363.09	3856877.25	2.77843	3.72E+00	3.91E+00	4.25E+00
4305	488863.09	3856877.25	2.59113	3.47E+00	3.65E+00	3.97E+00
4306	489363.09	3856877.25	2.47914	3.32E+00	3.49E+00	3.80E+00
4307	489863.09	3856877.25	2.49969	3.35E+00	3.52E+00	3.83E+00
4308	490363.09	3856877.25	2.60856	3.49E+00	3.67E+00	3.99E+00
4309	490863.09	3856877.25	2.67317	3.58E+00	3.76E+00	4.09E+00
4310	491363.09	3856877.25	2.50001	3.35E+00	3.52E+00	3.83E+00
4311	491863.09	3856877.25	2.25753	3.02E+00	3.18E+00	3.46E+00
4312	492363.09	3856877.25	2.32766	3.12E+00	3.28E+00	3.56E+00
4313	492863.09	3856877.25	2.0156	2.70E+00	2.84E+00	3.09E+00
4314	493363.09	3856877.25	1.52596	2.04E+00	2.15E+00	2.34E+00
4315	493863.09	3856877.25	0.83271	1.11E+00	1.17E+00	1.28E+00
4316	494363.09	3856877.25	0.45768	6.13E-01	6.44E-01	7.01E-01
4317	494863.09	3856877.25	0.32336	4.33E-01	4.55E-01	4.95E-01
4318	495363.09	3856877.25	0.29457	3.94E-01	4.14E-01	4.51E-01
4319	495863.09	3856877.25	0.29926	4.01E-01	4.21E-01	4.58E-01
4320	496363.09	3856877.25	0.29286	3.92E-01	4.12E-01	4.48E-01
4321	496863.09	3856877.25	0.31309	4.19E-01	4.41E-01	4.79E-01
4322	497363.09	3856877.25	0.36923	4.94E-01	5.20E-01	5.65E-01
4323	497863.09	3856877.25	0.49544	6.63E-01	6.97E-01	7.59E-01
4324	498363.09	3856877.25	0.7126	9.54E-01	1.00E+00	1.09E+00
4325	471363.09	3857377.25	0.62163	8.32E-01	8.75E-01	9.52E-01
4326	471863.09	3857377.25	0.62827	8.41E-01	8.84E-01	9.62E-01
4327	472363.09	3857377.25	0.65135	8.72E-01	9.16E-01	9.97E-01
4328	472863.09	3857377.25	0.66696	8.93E-01	9.38E-01	1.02E+00
4329	473363.09	3857377.25	0.68065	9.11E-01	9.58E-01	1.04E+00
4330	473863.09	3857377.25	0.70212	9.40E-01	9.88E-01	1.08E+00
4331	474363.09	3857377.25	0.68818	9.21E-01	9.68E-01	1.05E+00
4332	474863.09	3857377.25	0.57047	7.64E-01	8.03E-01	8.73E-01
4333	475363.09	3857377.25	0.39105	5.23E-01	5.50E-01	5.99E-01
4334	475863.09	3857377.25	0.35829	4.80E-01	5.04E-01	5.49E-01
4335	476363.09	3857377.25	0.45495	6.09E-01	6.40E-01	6.97E-01
4336	476863.09	3857377.25	0.51504	6.89E-01	7.25E-01	7.89E-01
4337	477363.09	3857377.25	0.50739	6.79E-01	7.14E-01	7.77E-01
4338	477863.09	3857377.25	0.31608	4.23E-01	4.45E-01	4.84E-01
4339	478363.09	3857377.25	0.18844	2.52E-01	2.65E-01	2.89E-01
4340	478863.09	3857377.25	0.15077	2.02E-01	2.12E-01	2.31E-01
4341	479363.09	3857377.25	0.31042	4.15E-01	4.37E-01	4.75E-01
4342	479863.09	3857377.25	0.82911	1.11E+00	1.17E+00	1.27E+00
4343	480363.09	3857377.25	0.75547	1.01E+00	1.06E+00	1.16E+00

4344	480863.09	3857377.25	1.25317	1.68E+00	1.76E+00	1.92E+00
4345	481363.09	3857377.25	1.24953	1.67E+00	1.76E+00	1.91E+00
4346	481863.09	3857377.25	1.4031	1.88E+00	1.97E+00	2.15E+00
4347	482363.09	3857377.25	1.54523	2.07E+00	2.17E+00	2.37E+00
4348	482863.09	3857377.25	1.48684	1.99E+00	2.09E+00	2.28E+00
4349	483363.09	3857377.25	1.61757	2.16E+00	2.28E+00	2.48E+00
4350	483863.09	3857377.25	1.73802	2.33E+00	2.45E+00	2.66E+00
4351	484363.09	3857377.25	1.89095	2.53E+00	2.66E+00	2.90E+00
4352	484863.09	3857377.25	2.16739	2.90E+00	3.05E+00	3.32E+00
4353	485363.09	3857377.25	2.35924	3.16E+00	3.32E+00	3.61E+00
4354	485863.09	3857377.25	2.75054	3.68E+00	3.87E+00	4.21E+00
4355	486363.09	3857377.25	3.46795	4.64E+00	4.88E+00	5.31E+00
4356	486863.09	3857377.25	2.76928	3.71E+00	3.90E+00	4.24E+00
4357	487363.09	3857377.25	3.08256	4.13E+00	4.34E+00	4.72E+00
4358	487863.09	3857377.25	3.12473	4.18E+00	4.40E+00	4.78E+00
4359	488363.09	3857377.25	3.0494	4.08E+00	4.29E+00	4.67E+00
4360	488863.09	3857377.25	2.80661	3.76E+00	3.95E+00	4.30E+00
4361	489363.09	3857377.25	2.56535	3.43E+00	3.61E+00	3.93E+00
4362	489863.09	3857377.25	2.20798	2.96E+00	3.11E+00	3.38E+00
4363	490363.09	3857377.25	2.18394	2.92E+00	3.07E+00	3.34E+00
4364	490863.09	3857377.25	2.30672	3.09E+00	3.25E+00	3.53E+00
4365	491363.09	3857377.25	2.31426	3.10E+00	3.26E+00	3.54E+00
4366	491863.09	3857377.25	2.48187	3.32E+00	3.49E+00	3.80E+00
4367	492363.09	3857377.25	2.43025	3.25E+00	3.42E+00	3.72E+00
4368	492863.09	3857377.25	1.92005	2.57E+00	2.70E+00	2.94E+00
4369	493363.09	3857377.25	1.23565	1.65E+00	1.74E+00	1.89E+00
4370	493863.09	3857377.25	0.79686	1.07E+00	1.12E+00	1.22E+00
4371	494363.09	3857377.25	0.5476	7.33E-01	7.71E-01	8.38E-01
4372	494863.09	3857377.25	0.47783	6.40E-01	6.72E-01	7.32E-01
4373	495363.09	3857377.25	0.39926	5.34E-01	5.62E-01	6.11E-01
4374	495863.09	3857377.25	0.39138	5.24E-01	5.51E-01	5.99E-01
4375	496363.09	3857377.25	0.4261	5.70E-01	6.00E-01	6.52E-01
4376	496863.09	3857377.25	0.40782	5.46E-01	5.74E-01	6.24E-01
4377	497363.09	3857377.25	0.48028	6.43E-01	6.76E-01	7.35E-01
4378	497863.09	3857377.25	0.6734	9.01E-01	9.48E-01	1.03E+00
4379	498363.09	3857377.25	0.98286	1.32E+00	1.38E+00	1.50E+00
4380	471363.09	3857877.25	0.59523	7.97E-01	8.38E-01	9.11E-01
4381	471863.09	3857877.25	0.60708	8.13E-01	8.54E-01	9.30E-01
4382	472363.09	3857877.25	0.6304	8.44E-01	8.87E-01	9.65E-01
4383	472863.09	3857877.25	0.6439	8.62E-01	9.06E-01	9.86E-01
4384	473363.09	3857877.25	0.65808	8.81E-01	9.26E-01	1.01E+00
4385	473863.09	3857877.25	0.66839	8.95E-01	9.40E-01	1.02E+00
4386	474363.09	3857877.25	0.64589	8.64E-01	9.09E-01	9.89E-01
4387	474863.09	3857877.25	0.52397	7.01E-01	7.37E-01	8.02E-01
4388	475363.09	3857877.25	0.27128	3.63E-01	3.82E-01	4.15E-01
4389	475863.09	3857877.25	0.09542	1.28E-01	1.34E-01	1.46E-01
4390	476363.09	3857877.25	0.32155	4.30E-01	4.52E-01	4.92E-01
4391	476863.09	3857877.25	0.41847	5.60E-01	5.89E-01	6.41E-01
4392	477363.09	3857877.25	0.45968	6.15E-01	6.47E-01	7.04E-01
4393	477863.09	3857877.25	0.39489	5.29E-01	5.56E-01	6.05E-01
4394	478363.09	3857877.25	0.15714	2.10E-01	2.21E-01	2.41E-01
4395	478863.09	3857877.25	0.11835	1.58E-01	1.67E-01	1.81E-01
4396	479363.09	3857877.25	0.70471	9.43E-01	9.92E-01	1.08E+00
4397	479863.09	3857877.25	0.91649	1.23E+00	1.29E+00	1.40E+00
4398	480363.09	3857877.25	1.09693	1.47E+00	1.54E+00	1.68E+00
4399	480863.09	3857877.25	1.1768	1.58E+00	1.66E+00	1.80E+00
4400	481363.09	3857877.25	1.28311	1.72E+00	1.81E+00	1.96E+00
4401	481863.09	3857877.25	1.48892	1.99E+00	2.10E+00	2.28E+00
4402	482363.09	3857877.25	1.5868	2.12E+00	2.23E+00	2.43E+00
4403	482863.09	3857877.25	1.51279	2.02E+00	2.13E+00	2.32E+00
4404	483363.09	3857877.25	1.64903	2.21E+00	2.32E+00	2.52E+00
4405	483863.09	3857877.25	1.7955	2.40E+00	2.53E+00	2.75E+00
4406	484363.09	3857877.25	1.97923	2.65E+00	2.78E+00	3.03E+00

4407	484863.09	3857877.25	2.14006	2.86E+00	3.01E+00	3.28E+00
4408	485363.09	3857877.25	2.31286	3.10E+00	3.25E+00	3.54E+00
4409	485863.09	3857877.25	2.70863	3.63E+00	3.81E+00	4.15E+00
4410	486363.09	3857877.25	2.79026	3.73E+00	3.93E+00	4.27E+00
4411	486863.09	3857877.25	4.01489	5.37E+00	5.65E+00	6.15E+00
4412	487363.09	3857877.25	4.96673	6.65E+00	6.99E+00	7.61E+00
4413	487863.09	3857877.25	5.08128	6.80E+00	7.15E+00	7.78E+00
4414	488363.09	3857877.25	4.39595	5.88E+00	6.19E+00	6.73E+00
4415	488863.09	3857877.25	3.67663	4.92E+00	5.17E+00	5.63E+00
4416	489363.09	3857877.25	3.02103	4.04E+00	4.25E+00	4.63E+00
4417	489863.09	3857877.25	2.4762	3.31E+00	3.48E+00	3.79E+00
4418	490363.09	3857877.25	2.15803	2.89E+00	3.04E+00	3.30E+00
4419	490863.09	3857877.25	2.00596	2.68E+00	2.82E+00	3.07E+00
4420	491363.09	3857877.25	2.05876	2.76E+00	2.90E+00	3.15E+00
4421	491863.09	3857877.25	2.3106	3.09E+00	3.25E+00	3.54E+00
4422	492363.09	3857877.25	2.3123	3.09E+00	3.25E+00	3.54E+00
4423	492863.09	3857877.25	1.538	2.06E+00	2.16E+00	2.35E+00
4424	493363.09	3857877.25	1.34653	1.80E+00	1.89E+00	2.06E+00
4425	493863.09	3857877.25	1.13189	1.51E+00	1.59E+00	1.73E+00
4426	494363.09	3857877.25	1.02556	1.37E+00	1.44E+00	1.57E+00
4427	494863.09	3857877.25	0.68128	9.12E-01	9.59E-01	1.04E+00
4428	495363.09	3857877.25	0.63966	8.56E-01	9.00E-01	9.79E-01
4429	495863.09	3857877.25	0.62241	8.33E-01	8.76E-01	9.53E-01
4430	496363.09	3857877.25	0.55838	7.47E-01	7.86E-01	8.55E-01
4431	496863.09	3857877.25	0.75123	1.01E+00	1.06E+00	1.15E+00
4432	497363.09	3857877.25	0.75959	1.02E+00	1.07E+00	1.16E+00
4433	497863.09	3857877.25	0.96096	1.29E+00	1.35E+00	1.47E+00
4434	498363.09	3857877.25	1.02624	1.37E+00	1.44E+00	1.57E+00
4435	471363.09	3858377.25	0.58166	7.79E-01	8.18E-01	8.91E-01
4436	471863.09	3858377.25	0.5883	7.87E-01	8.28E-01	9.01E-01
4437	472363.09	3858377.25	0.6022	8.06E-01	8.47E-01	9.22E-01
4438	472863.09	3858377.25	0.61674	8.25E-01	8.68E-01	9.44E-01
4439	473363.09	3858377.25	0.62987	8.43E-01	8.86E-01	9.64E-01
4440	473863.09	3858377.25	0.63703	8.53E-01	8.96E-01	9.75E-01
4441	474363.09	3858377.25	0.60619	8.11E-01	8.53E-01	9.28E-01
4442	474863.09	3858377.25	0.5292	7.08E-01	7.45E-01	8.10E-01
4443	475363.09	3858377.25	0.34832	4.66E-01	4.90E-01	5.33E-01
4444	475863.09	3858377.25	0.23133	3.10E-01	3.25E-01	3.54E-01
4445	476363.09	3858377.25	0.26771	3.58E-01	3.77E-01	4.10E-01
4446	476863.09	3858377.25	0.29263	3.92E-01	4.12E-01	4.48E-01
4447	477363.09	3858377.25	0.28642	3.83E-01	4.03E-01	4.39E-01
4448	477863.09	3858377.25	0.41888	5.61E-01	5.89E-01	6.41E-01
4449	478363.09	3858377.25	0.45274	6.06E-01	6.37E-01	6.93E-01
4450	478863.09	3858377.25	0.25633	3.43E-01	3.61E-01	3.92E-01
4451	479363.09	3858377.25	0.71414	9.56E-01	1.00E+00	1.09E+00
4452	479863.09	3858377.25	0.93289	1.25E+00	1.31E+00	1.43E+00
4453	480363.09	3858377.25	1.04906	1.40E+00	1.48E+00	1.61E+00
4454	480863.09	3858377.25	1.09906	1.47E+00	1.55E+00	1.68E+00
4455	481363.09	3858377.25	1.20363	1.61E+00	1.69E+00	1.84E+00
4456	481863.09	3858377.25	1.26259	1.69E+00	1.78E+00	1.93E+00
4457	482363.09	3858377.25	1.43408	1.92E+00	2.02E+00	2.20E+00
4458	482863.09	3858377.25	1.72119	2.30E+00	2.42E+00	2.64E+00
4459	483363.09	3858377.25	1.69737	2.27E+00	2.39E+00	2.60E+00
4460	483863.09	3858377.25	1.80157	2.41E+00	2.53E+00	2.76E+00
4461	484363.09	3858377.25	1.96227	2.63E+00	2.76E+00	3.00E+00
4462	484863.09	3858377.25	2.19005	2.93E+00	3.08E+00	3.35E+00
4463	485363.09	3858377.25	2.5999	3.48E+00	3.66E+00	3.98E+00
4464	485863.09	3858377.25	2.94224	3.94E+00	4.14E+00	4.51E+00
4465	486363.09	3858377.25	3.32923	4.46E+00	4.68E+00	5.10E+00
4466	486863.09	3858377.25	3.74564	5.01E+00	5.27E+00	5.74E+00
4467	487363.09	3858377.25	4.67742	6.26E+00	6.58E+00	7.16E+00
4468	487863.09	3858377.25	7.71244	1.03E+01	1.09E+01	1.18E+01
4469	488363.09	3858377.25	8.44569	1.13E+01	1.19E+01	1.29E+01

4470	488863.09	3858377.25	5.95944	7.98E+00	8.39E+00	9.13E+00
4471	489363.09	3858377.25	4.38377	5.87E+00	6.17E+00	6.71E+00
4472	489863.09	3858377.25	3.5237	4.72E+00	4.96E+00	5.40E+00
4473	490363.09	3858377.25	2.79656	3.74E+00	3.93E+00	4.28E+00
4474	490863.09	3858377.25	2.29928	3.08E+00	3.24E+00	3.52E+00
4475	491363.09	3858377.25	1.82081	2.44E+00	2.56E+00	2.79E+00
4476	491863.09	3858377.25	1.91265	2.56E+00	2.69E+00	2.93E+00
4477	492363.09	3858377.25	1.70712	2.28E+00	2.40E+00	2.61E+00
4478	492863.09	3858377.25	2.01346	2.69E+00	2.83E+00	3.08E+00
4479	493363.09	3858377.25	1.82161	2.44E+00	2.56E+00	2.79E+00
4480	493863.09	3858377.25	1.51171	2.02E+00	2.13E+00	2.31E+00
4481	494363.09	3858377.25	1.50413	2.01E+00	2.12E+00	2.30E+00
4482	494863.09	3858377.25	1.24366	1.66E+00	1.75E+00	1.90E+00
4483	495363.09	3858377.25	1.1003	1.47E+00	1.55E+00	1.68E+00
4484	495863.09	3858377.25	0.86778	1.16E+00	1.22E+00	1.33E+00
4485	496363.09	3858377.25	0.9505	1.27E+00	1.34E+00	1.46E+00
4486	496863.09	3858377.25	1.03569	1.39E+00	1.46E+00	1.59E+00
4487	497363.09	3858377.25	0.95943	1.28E+00	1.35E+00	1.47E+00
4488	497863.09	3858377.25	1.26589	1.69E+00	1.78E+00	1.94E+00
4489	498363.09	3858377.25	1.36871	1.83E+00	1.93E+00	2.10E+00
4490	471363.09	3858877.25	0.57136	7.65E-01	8.04E-01	8.75E-01
4491	471863.09	3858877.25	0.57879	7.75E-01	8.14E-01	8.86E-01
4492	472363.09	3858877.25	0.59761	8.00E-01	8.41E-01	9.15E-01
4493	472863.09	3858877.25	0.60732	8.13E-01	8.55E-01	9.30E-01
4494	473363.09	3858877.25	0.61256	8.20E-01	8.62E-01	9.38E-01
4495	473863.09	3858877.25	0.62145	8.32E-01	8.74E-01	9.52E-01
4496	474363.09	3858877.25	0.60511	8.10E-01	8.51E-01	9.27E-01
4497	474863.09	3858877.25	0.35469	4.75E-01	4.99E-01	5.43E-01
4498	475363.09	3858877.25	0.2434	3.26E-01	3.42E-01	3.73E-01
4499	475863.09	3858877.25	0.29099	3.89E-01	4.09E-01	4.46E-01
4500	476363.09	3858877.25	0.13852	1.85E-01	1.95E-01	2.12E-01
4501	476863.09	3858877.25	0.19469	2.61E-01	2.74E-01	2.98E-01
4502	477363.09	3858877.25	0.21399	2.86E-01	3.01E-01	3.28E-01
4503	477863.09	3858877.25	0.32548	4.36E-01	4.58E-01	4.98E-01
4504	478363.09	3858877.25	0.58504	7.83E-01	8.23E-01	8.96E-01
4505	478863.09	3858877.25	0.51761	6.93E-01	7.28E-01	7.93E-01
4506	479363.09	3858877.25	0.43281	5.79E-01	6.09E-01	6.63E-01
4507	479863.09	3858877.25	0.91001	1.22E+00	1.28E+00	1.39E+00
4508	480363.09	3858877.25	0.97675	1.31E+00	1.37E+00	1.50E+00
4509	480863.09	3858877.25	1.04091	1.39E+00	1.46E+00	1.59E+00
4510	481363.09	3858877.25	1.12728	1.51E+00	1.59E+00	1.73E+00
4511	481863.09	3858877.25	1.2043	1.61E+00	1.69E+00	1.84E+00
4512	482363.09	3858877.25	1.32057	1.77E+00	1.86E+00	2.02E+00
4513	482863.09	3858877.25	1.4506	1.94E+00	2.04E+00	2.22E+00
4514	483363.09	3858877.25	1.44122	1.93E+00	2.03E+00	2.21E+00
4515	483863.09	3858877.25	1.55323	2.08E+00	2.19E+00	2.38E+00
4516	484363.09	3858877.25	1.71647	2.30E+00	2.42E+00	2.63E+00
4517	484863.09	3858877.25	1.99949	2.68E+00	2.81E+00	3.06E+00
4518	485363.09	3858877.25	2.28236	3.05E+00	3.21E+00	3.49E+00
4519	485863.09	3858877.25	2.71262	3.63E+00	3.82E+00	4.15E+00
4520	486363.09	3858877.25	3.24041	4.34E+00	4.56E+00	4.96E+00
4521	486863.09	3858877.25	3.79601	5.08E+00	5.34E+00	5.81E+00
4522	487363.09	3858877.25	4.80977	6.44E+00	6.77E+00	7.36E+00
4523	487863.09	3858877.25	6.56322	8.78E+00	9.23E+00	1.00E+01
4524	488363.09	3858877.25	10.8057	1.45E+01	1.52E+01	1.65E+01
4525	488863.09	3858877.25	33.81697	4.53E+01	4.76E+01	5.18E+01
4526	489363.09	3858877.25	8.64146	1.16E+01	1.22E+01	1.32E+01
4527	489863.09	3858877.25	5.8571	7.84E+00	8.24E+00	8.97E+00
4528	490363.09	3858877.25	3.98632	5.34E+00	5.61E+00	6.10E+00
4529	490863.09	3858877.25	2.05605	2.75E+00	2.89E+00	3.15E+00
4530	491363.09	3858877.25	1.93608	2.59E+00	2.72E+00	2.96E+00
4531	491863.09	3858877.25	1.83	2.45E+00	2.57E+00	2.80E+00
4532	492363.09	3858877.25	1.82329	2.44E+00	2.57E+00	2.79E+00

4533	492863.09	3858877.25	1.81742	2.43E+00	2.56E+00	2.78E+00
4534	493363.09	3858877.25	1.86943	2.50E+00	2.63E+00	2.86E+00
4535	493863.09	3858877.25	1.96316	2.63E+00	2.76E+00	3.01E+00
4536	494363.09	3858877.25	1.88345	2.52E+00	2.65E+00	2.88E+00
4537	494863.09	3858877.25	1.61346	2.16E+00	2.27E+00	2.47E+00
4538	495363.09	3858877.25	1.6286	2.18E+00	2.29E+00	2.49E+00
4539	495863.09	3858877.25	1.42899	1.91E+00	2.01E+00	2.19E+00
4540	496363.09	3858877.25	1.47126	1.97E+00	2.07E+00	2.25E+00
4541	496863.09	3858877.25	1.26026	1.69E+00	1.77E+00	1.93E+00
4542	497363.09	3858877.25	1.31277	1.76E+00	1.85E+00	2.01E+00
4543	497863.09	3858877.25	1.31007	1.75E+00	1.84E+00	2.01E+00
4544	498363.09	3858877.25	1.36852	1.83E+00	1.93E+00	2.10E+00
4545	471363.09	3859377.25	0.55676	7.45E-01	7.83E-01	8.53E-01
4546	471863.09	3859377.25	0.56408	7.55E-01	7.94E-01	8.64E-01
4547	472363.09	3859377.25	0.58246	7.80E-01	8.20E-01	8.92E-01
4548	472863.09	3859377.25	0.59286	7.93E-01	8.34E-01	9.08E-01
4549	473363.09	3859377.25	0.59894	8.02E-01	8.43E-01	9.17E-01
4550	473863.09	3859377.25	0.60813	8.14E-01	8.56E-01	9.31E-01
4551	474363.09	3859377.25	0.60515	8.10E-01	8.51E-01	9.27E-01
4552	474863.09	3859377.25	0.50695	6.79E-01	7.13E-01	7.76E-01
4553	475363.09	3859377.25	0.34589	4.63E-01	4.87E-01	5.30E-01
4554	475863.09	3859377.25	0.20582	2.75E-01	2.90E-01	3.15E-01
4555	476363.09	3859377.25	0.16798	2.25E-01	2.36E-01	2.57E-01
4556	476863.09	3859377.25	0.12522	1.68E-01	1.76E-01	1.92E-01
4557	477363.09	3859377.25	0.14073	1.88E-01	1.98E-01	2.15E-01
4558	477863.09	3859377.25	0.38095	5.10E-01	5.36E-01	5.83E-01
4559	478363.09	3859377.25	0.55204	7.39E-01	7.77E-01	8.45E-01
4560	478863.09	3859377.25	0.65499	8.77E-01	9.22E-01	1.00E+00
4561	479363.09	3859377.25	0.72922	9.76E-01	1.03E+00	1.12E+00
4562	479863.09	3859377.25	0.83417	1.12E+00	1.17E+00	1.28E+00
4563	480363.09	3859377.25	0.96323	1.29E+00	1.36E+00	1.47E+00
4564	480863.09	3859377.25	1.01931	1.36E+00	1.43E+00	1.56E+00
4565	481363.09	3859377.25	1.07694	1.44E+00	1.52E+00	1.65E+00
4566	481863.09	3859377.25	1.12199	1.50E+00	1.58E+00	1.72E+00
4567	482363.09	3859377.25	1.23765	1.66E+00	1.74E+00	1.90E+00
4568	482863.09	3859377.25	1.30379	1.75E+00	1.83E+00	2.00E+00
4569	483363.09	3859377.25	1.43077	1.91E+00	2.01E+00	2.19E+00
4570	483863.09	3859377.25	1.43079	1.92E+00	2.01E+00	2.19E+00
4571	484363.09	3859377.25	1.55315	2.08E+00	2.19E+00	2.38E+00
4572	484863.09	3859377.25	1.73295	2.32E+00	2.44E+00	2.65E+00
4573	485363.09	3859377.25	1.93741	2.59E+00	2.73E+00	2.97E+00
4574	485863.09	3859377.25	2.16464	2.90E+00	3.05E+00	3.31E+00
4575	486363.09	3859377.25	2.4836	3.32E+00	3.49E+00	3.80E+00
4576	486863.09	3859377.25	2.81675	3.77E+00	3.96E+00	4.31E+00
4577	487363.09	3859377.25	3.27595	4.38E+00	4.61E+00	5.02E+00
4578	487863.09	3859377.25	4.10418	5.49E+00	5.77E+00	6.28E+00
4579	488363.09	3859377.25	5.48048	7.34E+00	7.71E+00	8.39E+00
4580	488863.09	3859377.25	8.1121	1.09E+01	1.14E+01	1.24E+01
4581	489363.09	3859377.25	16.07843	2.15E+01	2.26E+01	2.46E+01
4582	489863.09	3859377.25	20.73279	2.77E+01	2.92E+01	3.17E+01
4583	490363.09	3859377.25	8.88356	1.19E+01	1.25E+01	1.36E+01
4584	490863.09	3859377.25	3.56156	4.77E+00	5.01E+00	5.45E+00
4585	491363.09	3859377.25	1.58348	2.12E+00	2.23E+00	2.42E+00
4586	491863.09	3859377.25	1.83008	2.45E+00	2.58E+00	2.80E+00
4587	492363.09	3859377.25	1.71015	2.29E+00	2.41E+00	2.62E+00
4588	492863.09	3859377.25	1.7968	2.40E+00	2.53E+00	2.75E+00
4589	493363.09	3859377.25	1.53053	2.05E+00	2.15E+00	2.34E+00
4590	493863.09	3859377.25	1.62743	2.18E+00	2.29E+00	2.49E+00
4591	494363.09	3859377.25	1.79859	2.41E+00	2.53E+00	2.75E+00
4592	494863.09	3859377.25	1.86226	2.49E+00	2.62E+00	2.85E+00
4593	495363.09	3859377.25	1.78899	2.39E+00	2.52E+00	2.74E+00
4594	495863.09	3859377.25	1.65995	2.22E+00	2.34E+00	2.54E+00
4595	496363.09	3859377.25	1.71037	2.29E+00	2.41E+00	2.62E+00

4596	496863.09	3859377.25	1.59465	2.13E+00	2.24E+00	2.44E+00
4597	497363.09	3859377.25	1.56605	2.10E+00	2.20E+00	2.40E+00
4598	497863.09	3859377.25	1.37089	1.83E+00	1.93E+00	2.10E+00
4599	498363.09	3859377.25	1.28934	1.73E+00	1.81E+00	1.97E+00
4600	471363.09	3859877.25	0.52896	7.08E-01	7.44E-01	8.10E-01
4601	471863.09	3859877.25	0.53022	7.10E-01	7.46E-01	8.12E-01
4602	472363.09	3859877.25	0.56317	7.54E-01	7.92E-01	8.62E-01
4603	472863.09	3859877.25	0.56024	7.50E-01	7.88E-01	8.58E-01
4604	473363.09	3859877.25	0.56399	7.55E-01	7.94E-01	8.64E-01
4605	473863.09	3859877.25	0.56625	7.58E-01	7.97E-01	8.67E-01
4606	474363.09	3859877.25	0.5784	7.74E-01	8.14E-01	8.86E-01
4607	474863.09	3859877.25	0.55517	7.43E-01	7.81E-01	8.50E-01
4608	475363.09	3859877.25	0.40764	5.46E-01	5.74E-01	6.24E-01
4609	475863.09	3859877.25	0.20703	2.77E-01	2.91E-01	3.17E-01
4610	476363.09	3859877.25	0.10214	1.37E-01	1.44E-01	1.56E-01
4611	476863.09	3859877.25	0.1256	1.68E-01	1.77E-01	1.92E-01
4612	477363.09	3859877.25	0.13181	1.76E-01	1.85E-01	2.02E-01
4613	477863.09	3859877.25	0.33685	4.51E-01	4.74E-01	5.16E-01
4614	478363.09	3859877.25	0.52395	7.01E-01	7.37E-01	8.02E-01
4615	478863.09	3859877.25	0.62952	8.43E-01	8.86E-01	9.64E-01
4616	479363.09	3859877.25	0.70854	9.48E-01	9.97E-01	1.08E+00
4617	479863.09	3859877.25	0.79336	1.06E+00	1.12E+00	1.21E+00
4618	480363.09	3859877.25	0.88115	1.18E+00	1.24E+00	1.35E+00
4619	480863.09	3859877.25	0.93256	1.25E+00	1.31E+00	1.43E+00
4620	481363.09	3859877.25	0.97351	1.30E+00	1.37E+00	1.49E+00
4621	481863.09	3859877.25	1.01544	1.36E+00	1.43E+00	1.55E+00
4622	482363.09	3859877.25	1.09632	1.47E+00	1.54E+00	1.68E+00
4623	482863.09	3859877.25	1.17826	1.58E+00	1.66E+00	1.80E+00
4624	483363.09	3859877.25	1.28981	1.73E+00	1.81E+00	1.97E+00
4625	483863.09	3859877.25	1.30416	1.75E+00	1.84E+00	2.00E+00
4626	484363.09	3859877.25	1.41661	1.90E+00	1.99E+00	2.17E+00
4627	484863.09	3859877.25	1.52739	2.04E+00	2.15E+00	2.34E+00
4628	485363.09	3859877.25	1.65563	2.22E+00	2.33E+00	2.54E+00
4629	485863.09	3859877.25	1.84747	2.47E+00	2.60E+00	2.83E+00
4630	486363.09	3859877.25	2.02547	2.71E+00	2.85E+00	3.10E+00
4631	486863.09	3859877.25	2.28049	3.05E+00	3.21E+00	3.49E+00
4632	487363.09	3859877.25	2.5449	3.41E+00	3.58E+00	3.90E+00
4633	487863.09	3859877.25	3.00941	4.03E+00	4.23E+00	4.61E+00
4634	488363.09	3859877.25	3.50661	4.69E+00	4.93E+00	5.37E+00
4635	488863.09	3859877.25	4.2878	5.74E+00	6.03E+00	6.57E+00
4636	489363.09	3859877.25	5.53075	7.40E+00	7.78E+00	8.47E+00
4637	489863.09	3859877.25	7.58053	1.01E+01	1.07E+01	1.16E+01
4638	490363.09	3859877.25	13.5634	1.82E+01	1.91E+01	2.08E+01
4639	490863.09	3859877.25	45.94849	6.15E+01	6.47E+01	7.04E+01
4640	491363.09	3859877.25	12.05264	1.61E+01	1.70E+01	1.85E+01
4641	491863.09	3859877.25	7.42413	9.94E+00	1.04E+01	1.14E+01
4642	492363.09	3859877.25	5.5015	7.36E+00	7.74E+00	8.42E+00
4643	492863.09	3859877.25	3.85496	5.16E+00	5.42E+00	5.90E+00
4644	493363.09	3859877.25	3.08735	4.13E+00	4.34E+00	4.73E+00
4645	493863.09	3859877.25	2.56308	3.43E+00	3.61E+00	3.92E+00
4646	494363.09	3859877.25	2.00951	2.69E+00	2.83E+00	3.08E+00
4647	494863.09	3859877.25	1.87168	2.51E+00	2.63E+00	2.87E+00
4648	495363.09	3859877.25	1.72353	2.31E+00	2.43E+00	2.64E+00
4649	495863.09	3859877.25	1.7915	2.40E+00	2.52E+00	2.74E+00
4650	496363.09	3859877.25	1.60156	2.14E+00	2.25E+00	2.45E+00
4651	496863.09	3859877.25	1.3979	1.87E+00	1.97E+00	2.14E+00
4652	497363.09	3859877.25	1.58476	2.12E+00	2.23E+00	2.43E+00
4653	497863.09	3859877.25	1.41802	1.90E+00	2.00E+00	2.17E+00
4654	498363.09	3859877.25	1.46596	1.96E+00	2.06E+00	2.24E+00
4655	471363.09	3860377.25	0.47784	6.40E-01	6.72E-01	7.32E-01
4656	471863.09	3860377.25	0.49849	6.67E-01	7.01E-01	7.63E-01
4657	472363.09	3860377.25	0.49878	6.68E-01	7.02E-01	7.64E-01
4658	472863.09	3860377.25	0.50782	6.80E-01	7.15E-01	7.78E-01

4659	473363.09	3860377.25	0.51273	6.86E-01	7.21E-01	7.85E-01
4660	473863.09	3860377.25	0.53417	7.15E-01	7.52E-01	8.18E-01
4661	474363.09	3860377.25	0.5611	7.51E-01	7.90E-01	8.59E-01
4662	474863.09	3860377.25	0.56996	7.63E-01	8.02E-01	8.73E-01
4663	475363.09	3860377.25	0.56573	7.57E-01	7.96E-01	8.66E-01
4664	475863.09	3860377.25	0.5084	6.80E-01	7.15E-01	7.78E-01
4665	476363.09	3860377.25	0.42886	5.74E-01	6.03E-01	6.57E-01
4666	476863.09	3860377.25	0.39271	5.26E-01	5.53E-01	6.01E-01
4667	477363.09	3860377.25	0.25763	3.45E-01	3.63E-01	3.94E-01
4668	477863.09	3860377.25	0.34089	4.56E-01	4.80E-01	5.22E-01
4669	478363.09	3860377.25	0.54788	7.33E-01	7.71E-01	8.39E-01
4670	478863.09	3860377.25	0.61741	8.26E-01	8.69E-01	9.45E-01
4671	479363.09	3860377.25	0.7078	9.47E-01	9.96E-01	1.08E+00
4672	479863.09	3860377.25	0.8224	1.10E+00	1.16E+00	1.26E+00
4673	480363.09	3860377.25	0.90107	1.21E+00	1.27E+00	1.38E+00
4674	480863.09	3860377.25	0.95935	1.28E+00	1.35E+00	1.47E+00
4675	481363.09	3860377.25	1.00991	1.35E+00	1.42E+00	1.55E+00
4676	481863.09	3860377.25	1.05983	1.42E+00	1.49E+00	1.62E+00
4677	482363.09	3860377.25	1.04889	1.40E+00	1.48E+00	1.61E+00
4678	482863.09	3860377.25	1.10192	1.47E+00	1.55E+00	1.69E+00
4679	483363.09	3860377.25	1.19148	1.59E+00	1.68E+00	1.82E+00
4680	483863.09	3860377.25	1.27402	1.71E+00	1.79E+00	1.95E+00
4681	484363.09	3860377.25	1.28695	1.72E+00	1.81E+00	1.97E+00
4682	484863.09	3860377.25	1.43245	1.92E+00	2.02E+00	2.19E+00
4683	485363.09	3860377.25	1.53094	2.05E+00	2.15E+00	2.34E+00
4684	485863.09	3860377.25	1.66196	2.22E+00	2.34E+00	2.54E+00
4685	486363.09	3860377.25	1.79705	2.41E+00	2.53E+00	2.75E+00
4686	486863.09	3860377.25	1.94271	2.60E+00	2.73E+00	2.97E+00
4687	487363.09	3860377.25	2.11417	2.83E+00	2.97E+00	3.24E+00
4688	487863.09	3860377.25	2.349	3.14E+00	3.31E+00	3.60E+00
4689	488363.09	3860377.25	2.59867	3.48E+00	3.66E+00	3.98E+00
4690	488863.09	3860377.25	2.92338	3.91E+00	4.11E+00	4.48E+00
4691	489363.09	3860377.25	3.20306	4.29E+00	4.51E+00	4.90E+00
4692	489863.09	3860377.25	3.64659	4.88E+00	5.13E+00	5.58E+00
4693	490363.09	3860377.25	4.77295	6.39E+00	6.72E+00	7.31E+00
4694	490863.09	3860377.25	6.98995	9.36E+00	9.84E+00	1.07E+01
4695	491363.09	3860377.25	11.12957	1.49E+01	1.57E+01	1.70E+01
4696	491863.09	3860377.25	17.88522	2.39E+01	2.52E+01	2.74E+01
4697	492363.09	3860377.25	9.50701	1.27E+01	1.34E+01	1.46E+01
4698	492863.09	3860377.25	6.15099	8.23E+00	8.65E+00	9.42E+00
4699	493363.09	3860377.25	5.16221	6.91E+00	7.26E+00	7.90E+00
4700	493863.09	3860377.25	3.91099	5.23E+00	5.50E+00	5.99E+00
4701	494363.09	3860377.25	3.42828	4.59E+00	4.82E+00	5.25E+00
4702	494863.09	3860377.25	2.94097	3.94E+00	4.14E+00	4.50E+00
4703	495363.09	3860377.25	2.61138	3.50E+00	3.67E+00	4.00E+00
4704	495863.09	3860377.25	1.99029	2.66E+00	2.80E+00	3.05E+00
4705	496363.09	3860377.25	1.57921	2.11E+00	2.22E+00	2.42E+00
4706	496863.09	3860377.25	1.59018	2.13E+00	2.24E+00	2.43E+00
4707	497363.09	3860377.25	1.51476	2.03E+00	2.13E+00	2.32E+00
4708	497863.09	3860377.25	1.53706	2.06E+00	2.16E+00	2.35E+00
4709	498363.09	3860377.25	1.58487	2.12E+00	2.23E+00	2.43E+00
4710	471363.09	3860877.25	0.47972	6.42E-01	6.75E-01	7.35E-01
4711	471863.09	3860877.25	0.49469	6.62E-01	6.96E-01	7.57E-01
4712	472363.09	3860877.25	0.50156	6.71E-01	7.06E-01	7.68E-01
4713	472863.09	3860877.25	0.51361	6.87E-01	7.23E-01	7.86E-01
4714	473363.09	3860877.25	0.53593	7.17E-01	7.54E-01	8.21E-01
4715	473863.09	3860877.25	0.54885	7.35E-01	7.72E-01	8.40E-01
4716	474363.09	3860877.25	0.56204	7.52E-01	7.91E-01	8.61E-01
4717	474863.09	3860877.25	0.57101	7.64E-01	8.03E-01	8.74E-01
4718	475363.09	3860877.25	0.5783	7.74E-01	8.14E-01	8.85E-01
4719	475863.09	3860877.25	0.57026	7.63E-01	8.02E-01	8.73E-01
4720	476363.09	3860877.25	0.5616	7.52E-01	7.90E-01	8.60E-01
4721	476863.09	3860877.25	0.5355	7.17E-01	7.53E-01	8.20E-01

4722	477363.09	3860877.25	0.54211	7.26E-01	7.63E-01	8.30E-01
4723	477863.09	3860877.25	0.52851	7.07E-01	7.44E-01	8.09E-01
4724	478363.09	3860877.25	0.41991	5.62E-01	5.91E-01	6.43E-01
4725	478863.09	3860877.25	0.59075	7.91E-01	8.31E-01	9.05E-01
4726	479363.09	3860877.25	0.67962	9.10E-01	9.56E-01	1.04E+00
4727	479863.09	3860877.25	0.78448	1.05E+00	1.10E+00	1.20E+00
4728	480363.09	3860877.25	0.85343	1.14E+00	1.20E+00	1.31E+00
4729	480863.09	3860877.25	0.90393	1.21E+00	1.27E+00	1.38E+00
4730	481363.09	3860877.25	0.94617	1.27E+00	1.33E+00	1.45E+00
4731	481863.09	3860877.25	1.01235	1.35E+00	1.42E+00	1.55E+00
4732	482363.09	3860877.25	1.06447	1.42E+00	1.50E+00	1.63E+00
4733	482863.09	3860877.25	1.12603	1.51E+00	1.58E+00	1.72E+00
4734	483363.09	3860877.25	1.20111	1.61E+00	1.69E+00	1.84E+00
4735	483863.09	3860877.25	1.24164	1.66E+00	1.75E+00	1.90E+00
4736	484363.09	3860877.25	1.25408	1.68E+00	1.76E+00	1.92E+00
4737	484863.09	3860877.25	1.29646	1.74E+00	1.82E+00	1.99E+00
4738	485363.09	3860877.25	1.395	1.87E+00	1.96E+00	2.14E+00
4739	485863.09	3860877.25	1.48306	1.98E+00	2.09E+00	2.27E+00
4740	486363.09	3860877.25	1.56871	2.10E+00	2.21E+00	2.40E+00
4741	486863.09	3860877.25	1.65768	2.22E+00	2.33E+00	2.54E+00
4742	487363.09	3860877.25	1.7602	2.36E+00	2.48E+00	2.70E+00
4743	487863.09	3860877.25	1.85238	2.48E+00	2.61E+00	2.84E+00
4744	488363.09	3860877.25	2.03607	2.73E+00	2.86E+00	3.12E+00
4745	488863.09	3860877.25	2.08146	2.79E+00	2.93E+00	3.19E+00
4746	489363.09	3860877.25	2.26886	3.04E+00	3.19E+00	3.47E+00
4747	489863.09	3860877.25	2.44757	3.28E+00	3.44E+00	3.75E+00
4748	490363.09	3860877.25	2.8722	3.84E+00	4.04E+00	4.40E+00
4749	490863.09	3860877.25	3.58406	4.80E+00	5.04E+00	5.49E+00
4750	491363.09	3860877.25	4.75678	6.37E+00	6.69E+00	7.28E+00
4751	491863.09	3860877.25	7.68969	1.03E+01	1.08E+01	1.18E+01
4752	492363.09	3860877.25	11.87579	1.59E+01	1.67E+01	1.82E+01
4753	492863.09	3860877.25	8.48607	1.14E+01	1.19E+01	1.30E+01
4754	493363.09	3860877.25	6.40788	8.58E+00	9.02E+00	9.81E+00
4755	493863.09	3860877.25	4.78859	6.41E+00	6.74E+00	7.33E+00
4756	494363.09	3860877.25	3.7854	5.07E+00	5.33E+00	5.80E+00
4757	494863.09	3860877.25	3.2566	4.36E+00	4.58E+00	4.99E+00
4758	495363.09	3860877.25	2.83406	3.79E+00	3.99E+00	4.34E+00
4759	495863.09	3860877.25	2.45281	3.28E+00	3.45E+00	3.76E+00
4760	496363.09	3860877.25	2.36916	3.17E+00	3.33E+00	3.63E+00
4761	496863.09	3860877.25	1.90907	2.56E+00	2.69E+00	2.92E+00
4762	497363.09	3860877.25	1.82478	2.44E+00	2.57E+00	2.79E+00
4763	497863.09	3860877.25	1.72508	2.31E+00	2.43E+00	2.64E+00
4764	498363.09	3860877.25	1.66417	2.23E+00	2.34E+00	2.55E+00
4765	471363.09	3861377.25	0.46545	6.23E-01	6.55E-01	7.13E-01
4766	471863.09	3861377.25	0.47551	6.36E-01	6.69E-01	7.28E-01
4767	472363.09	3861377.25	0.5027	6.73E-01	7.07E-01	7.70E-01
4768	472863.09	3861377.25	0.50316	6.73E-01	7.08E-01	7.70E-01
4769	473363.09	3861377.25	0.51274	6.86E-01	7.21E-01	7.85E-01
4770	473863.09	3861377.25	0.54413	7.28E-01	7.66E-01	8.33E-01
4771	474363.09	3861377.25	0.55236	7.39E-01	7.77E-01	8.46E-01
4772	474863.09	3861377.25	0.57197	7.66E-01	8.05E-01	8.76E-01
4773	475363.09	3861377.25	0.57905	7.75E-01	8.15E-01	8.87E-01
4774	475863.09	3861377.25	0.5916	7.92E-01	8.32E-01	9.06E-01
4775	476363.09	3861377.25	0.59719	7.99E-01	8.40E-01	9.14E-01
4776	476863.09	3861377.25	0.60091	8.04E-01	8.46E-01	9.20E-01
4777	477363.09	3861377.25	0.60306	8.07E-01	8.49E-01	9.23E-01
4778	477863.09	3861377.25	0.55781	7.47E-01	7.85E-01	8.54E-01
4779	478363.09	3861377.25	0.45937	6.15E-01	6.46E-01	7.03E-01
4780	478863.09	3861377.25	0.52584	7.04E-01	7.40E-01	8.05E-01
4781	479363.09	3861377.25	0.64655	8.65E-01	9.10E-01	9.90E-01
4782	479863.09	3861377.25	0.77623	1.04E+00	1.09E+00	1.19E+00
4783	480363.09	3861377.25	0.86057	1.15E+00	1.21E+00	1.32E+00
4784	480863.09	3861377.25	0.89409	1.20E+00	1.26E+00	1.37E+00

4785	481363.09	3861377.25	0.94058	1.26E+00	1.32E+00	1.44E+00
4786	481863.09	3861377.25	0.97777	1.31E+00	1.38E+00	1.50E+00
4787	482363.09	3861377.25	1.01076	1.35E+00	1.42E+00	1.55E+00
4788	482863.09	3861377.25	1.0319	1.38E+00	1.45E+00	1.58E+00
4789	483363.09	3861377.25	1.03505	1.39E+00	1.46E+00	1.58E+00
4790	483863.09	3861377.25	1.0985	1.47E+00	1.55E+00	1.68E+00
4791	484363.09	3861377.25	1.16125	1.55E+00	1.63E+00	1.78E+00
4792	484863.09	3861377.25	1.23645	1.65E+00	1.74E+00	1.89E+00
4793	485363.09	3861377.25	1.27905	1.71E+00	1.80E+00	1.96E+00
4794	485863.09	3861377.25	1.33034	1.78E+00	1.87E+00	2.04E+00
4795	486363.09	3861377.25	1.39738	1.87E+00	1.97E+00	2.14E+00
4796	486863.09	3861377.25	1.45846	1.95E+00	2.05E+00	2.23E+00
4797	487363.09	3861377.25	1.47336	1.97E+00	2.07E+00	2.26E+00
4798	487863.09	3861377.25	1.50654	2.02E+00	2.12E+00	2.31E+00
4799	488363.09	3861377.25	1.52042	2.03E+00	2.14E+00	2.33E+00
4800	488863.09	3861377.25	1.59685	2.14E+00	2.25E+00	2.45E+00
4801	489363.09	3861377.25	1.66601	2.23E+00	2.34E+00	2.55E+00
4802	489863.09	3861377.25	1.80643	2.42E+00	2.54E+00	2.77E+00
4803	490363.09	3861377.25	1.98741	2.66E+00	2.80E+00	3.04E+00
4804	490863.09	3861377.25	2.28023	3.05E+00	3.21E+00	3.49E+00
4805	491363.09	3861377.25	2.83384	3.79E+00	3.99E+00	4.34E+00
4806	491863.09	3861377.25	3.78712	5.07E+00	5.33E+00	5.80E+00
4807	492363.09	3861377.25	5.38247	7.20E+00	7.57E+00	8.24E+00
4808	492863.09	3861377.25	6.51416	8.72E+00	9.17E+00	9.97E+00
4809	493363.09	3861377.25	6.15436	8.24E+00	8.66E+00	9.42E+00
4810	493863.09	3861377.25	5.01655	6.71E+00	7.06E+00	7.68E+00
4811	494363.09	3861377.25	4.25528	5.70E+00	5.99E+00	6.52E+00
4812	494863.09	3861377.25	3.44616	4.61E+00	4.85E+00	5.28E+00
4813	495363.09	3861377.25	2.87495	3.85E+00	4.05E+00	4.40E+00
4814	495863.09	3861377.25	2.49204	3.34E+00	3.51E+00	3.82E+00
4815	496363.09	3861377.25	2.19801	2.94E+00	3.09E+00	3.37E+00
4816	496863.09	3861377.25	2.09401	2.80E+00	2.95E+00	3.21E+00
4817	497363.09	3861377.25	1.95565	2.62E+00	2.75E+00	2.99E+00
4818	497863.09	3861377.25	1.79547	2.40E+00	2.53E+00	2.75E+00
4819	498363.09	3861377.25	1.78581	2.39E+00	2.51E+00	2.73E+00
4820	471363.09	3861877.25	0.46015	6.16E-01	6.47E-01	7.05E-01
4821	471863.09	3861877.25	0.47479	6.35E-01	6.68E-01	7.27E-01
4822	472363.09	3861877.25	0.48608	6.51E-01	6.84E-01	7.44E-01
4823	472863.09	3861877.25	0.49722	6.65E-01	7.00E-01	7.61E-01
4824	473363.09	3861877.25	0.50493	6.76E-01	7.10E-01	7.73E-01
4825	473863.09	3861877.25	0.52422	7.02E-01	7.38E-01	8.03E-01
4826	474363.09	3861877.25	0.53038	7.10E-01	7.46E-01	8.12E-01
4827	474863.09	3861877.25	0.5415	7.25E-01	7.62E-01	8.29E-01
4828	475363.09	3861877.25	0.55228	7.39E-01	7.77E-01	8.46E-01
4829	475863.09	3861877.25	0.58298	7.80E-01	8.20E-01	8.93E-01
4830	476363.09	3861877.25	0.61533	8.24E-01	8.66E-01	9.42E-01
4831	476863.09	3861877.25	0.6208	8.31E-01	8.74E-01	9.51E-01
4832	477363.09	3861877.25	0.62482	8.36E-01	8.79E-01	9.57E-01
4833	477863.09	3861877.25	0.55054	7.37E-01	7.75E-01	8.43E-01
4834	478363.09	3861877.25	0.39174	5.24E-01	5.51E-01	6.00E-01
4835	478863.09	3861877.25	0.53677	7.18E-01	7.55E-01	8.22E-01
4836	479363.09	3861877.25	0.51149	6.85E-01	7.20E-01	7.83E-01
4837	479863.09	3861877.25	0.71136	9.52E-01	1.00E+00	1.09E+00
4838	480363.09	3861877.25	0.7739	1.04E+00	1.09E+00	1.18E+00
4839	480863.09	3861877.25	0.81505	1.09E+00	1.15E+00	1.25E+00
4840	481363.09	3861877.25	0.82681	1.11E+00	1.16E+00	1.27E+00
4841	481863.09	3861877.25	0.87529	1.17E+00	1.23E+00	1.34E+00
4842	482363.09	3861877.25	0.87968	1.18E+00	1.24E+00	1.35E+00
4843	482863.09	3861877.25	0.95455	1.28E+00	1.34E+00	1.46E+00
4844	483363.09	3861877.25	1.01581	1.36E+00	1.43E+00	1.56E+00
4845	483863.09	3861877.25	1.05726	1.42E+00	1.49E+00	1.62E+00
4846	484363.09	3861877.25	1.10233	1.48E+00	1.55E+00	1.69E+00
4847	484863.09	3861877.25	1.14819	1.54E+00	1.62E+00	1.76E+00

4848	485363.09	3861877.25	1.17607	1.57E+00	1.65E+00	1.80E+00
4849	485863.09	3861877.25	1.17745	1.58E+00	1.66E+00	1.80E+00
4850	486363.09	3861877.25	1.19026	1.59E+00	1.67E+00	1.82E+00
4851	486863.09	3861877.25	1.19342	1.60E+00	1.68E+00	1.83E+00
4852	487363.09	3861877.25	1.23813	1.66E+00	1.74E+00	1.90E+00
4853	487863.09	3861877.25	1.24951	1.67E+00	1.76E+00	1.91E+00
4854	488363.09	3861877.25	1.27387	1.70E+00	1.79E+00	1.95E+00
4855	488863.09	3861877.25	1.31801	1.76E+00	1.85E+00	2.02E+00
4856	489363.09	3861877.25	1.36723	1.83E+00	1.92E+00	2.09E+00
4857	489863.09	3861877.25	1.46349	1.96E+00	2.06E+00	2.24E+00
4858	490363.09	3861877.25	1.56937	2.10E+00	2.21E+00	2.40E+00
4859	490863.09	3861877.25	1.74096	2.33E+00	2.45E+00	2.67E+00
4860	491363.09	3861877.25	2.00643	2.69E+00	2.82E+00	3.07E+00
4861	491863.09	3861877.25	2.4938	3.34E+00	3.51E+00	3.82E+00
4862	492363.09	3861877.25	3.20195	4.29E+00	4.51E+00	4.90E+00
4863	492863.09	3861877.25	3.90074	5.22E+00	5.49E+00	5.97E+00
4864	493363.09	3861877.25	4.32409	5.79E+00	6.08E+00	6.62E+00
4865	493863.09	3861877.25	4.03795	5.40E+00	5.68E+00	6.18E+00
4866	494363.09	3861877.25	3.86815	5.18E+00	5.44E+00	5.92E+00
4867	494863.09	3861877.25	3.42837	4.59E+00	4.82E+00	5.25E+00
4868	495363.09	3861877.25	2.86396	3.83E+00	4.03E+00	4.39E+00
4869	495863.09	3861877.25	2.67047	3.57E+00	3.76E+00	4.09E+00
4870	496363.09	3861877.25	2.2761	3.05E+00	3.20E+00	3.49E+00
4871	496863.09	3861877.25	2.46395	3.30E+00	3.47E+00	3.77E+00
4872	497363.09	3861877.25	1.88398	2.52E+00	2.65E+00	2.88E+00
4873	497863.09	3861877.25	1.64343	2.20E+00	2.31E+00	2.52E+00
4874	498363.09	3861877.25	1.53519	2.05E+00	2.16E+00	2.35E+00
4875	471363.09	3862377.25	0.42356	5.67E-01	5.96E-01	6.49E-01
4876	471863.09	3862377.25	0.42622	5.70E-01	6.00E-01	6.53E-01
4877	472363.09	3862377.25	0.4359	5.83E-01	6.13E-01	6.67E-01
4878	472863.09	3862377.25	0.46594	6.24E-01	6.56E-01	7.13E-01
4879	473363.09	3862377.25	0.48704	6.52E-01	6.85E-01	7.46E-01
4880	473863.09	3862377.25	0.50945	6.82E-01	7.17E-01	7.80E-01
4881	474363.09	3862377.25	0.51968	6.96E-01	7.31E-01	7.96E-01
4882	474863.09	3862377.25	0.53748	7.19E-01	7.56E-01	8.23E-01
4883	475363.09	3862377.25	0.5461	7.31E-01	7.68E-01	8.36E-01
4884	475863.09	3862377.25	0.54586	7.31E-01	7.68E-01	8.36E-01
4885	476363.09	3862377.25	0.55097	7.37E-01	7.75E-01	8.44E-01
4886	476863.09	3862377.25	0.59365	7.95E-01	8.35E-01	9.09E-01
4887	477363.09	3862377.25	0.61373	8.21E-01	8.64E-01	9.40E-01
4888	477863.09	3862377.25	0.55903	7.48E-01	7.87E-01	8.56E-01
4889	478363.09	3862377.25	0.52476	7.02E-01	7.38E-01	8.04E-01
4890	478863.09	3862377.25	0.54577	7.30E-01	7.68E-01	8.36E-01
4891	479363.09	3862377.25	0.56785	7.60E-01	7.99E-01	8.69E-01
4892	479863.09	3862377.25	0.72863	9.75E-01	1.03E+00	1.12E+00
4893	480363.09	3862377.25	0.76481	1.02E+00	1.08E+00	1.17E+00
4894	480863.09	3862377.25	0.76461	1.02E+00	1.08E+00	1.17E+00
4895	481363.09	3862377.25	0.78495	1.05E+00	1.10E+00	1.20E+00
4896	481863.09	3862377.25	0.80129	1.07E+00	1.13E+00	1.23E+00
4897	482363.09	3862377.25	0.8577	1.15E+00	1.21E+00	1.31E+00
4898	482863.09	3862377.25	0.9157	1.23E+00	1.29E+00	1.40E+00
4899	483363.09	3862377.25	0.97245	1.30E+00	1.37E+00	1.49E+00
4900	483863.09	3862377.25	0.9792	1.31E+00	1.38E+00	1.50E+00
4901	484363.09	3862377.25	1.01458	1.36E+00	1.43E+00	1.55E+00
4902	484863.09	3862377.25	0.98868	1.32E+00	1.39E+00	1.51E+00
4903	485363.09	3862377.25	0.98402	1.32E+00	1.38E+00	1.51E+00
4904	485863.09	3862377.25	1.00075	1.34E+00	1.41E+00	1.53E+00
4905	486363.09	3862377.25	1.01506	1.36E+00	1.43E+00	1.55E+00
4906	486863.09	3862377.25	1.02201	1.37E+00	1.44E+00	1.56E+00
4907	487363.09	3862377.25	1.06507	1.43E+00	1.50E+00	1.63E+00
4908	487863.09	3862377.25	1.07424	1.44E+00	1.51E+00	1.64E+00
4909	488363.09	3862377.25	1.09502	1.47E+00	1.54E+00	1.68E+00
4910	488863.09	3862377.25	1.16093	1.55E+00	1.63E+00	1.78E+00

4911	489363.09	3862377.25	1.21664	1.63E+00	1.71E+00	1.86E+00
4912	489863.09	3862377.25	1.28735	1.72E+00	1.81E+00	1.97E+00
4913	490363.09	3862377.25	1.39587	1.87E+00	1.96E+00	2.14E+00
4914	490863.09	3862377.25	1.51569	2.03E+00	2.13E+00	2.32E+00
4915	491363.09	3862377.25	1.65566	2.22E+00	2.33E+00	2.54E+00
4916	491863.09	3862377.25	1.89739	2.54E+00	2.67E+00	2.91E+00
4917	492363.09	3862377.25	2.21834	2.97E+00	3.12E+00	3.40E+00
4918	492863.09	3862377.25	2.72029	3.64E+00	3.83E+00	4.17E+00
4919	493363.09	3862377.25	3.29001	4.40E+00	4.63E+00	5.04E+00
4920	493863.09	3862377.25	3.51736	4.71E+00	4.95E+00	5.39E+00
4921	494363.09	3862377.25	3.29752	4.41E+00	4.64E+00	5.05E+00
4922	494863.09	3862377.25	2.87814	3.85E+00	4.05E+00	4.41E+00
4923	495363.09	3862377.25	2.81898	3.77E+00	3.97E+00	4.32E+00
4924	495863.09	3862377.25	2.44708	3.28E+00	3.44E+00	3.75E+00
4925	496363.09	3862377.25	2.12246	2.84E+00	2.99E+00	3.25E+00
4926	496863.09	3862377.25	2.03965	2.73E+00	2.87E+00	3.12E+00
4927	497363.09	3862377.25	1.78177	2.38E+00	2.51E+00	2.73E+00
4928	497863.09	3862377.25	1.61664	2.16E+00	2.27E+00	2.48E+00
4929	498363.09	3862377.25	1.46153	1.96E+00	2.06E+00	2.24E+00
4930	471363.09	3862877.25	0.42755	5.72E-01	6.02E-01	6.55E-01
4931	471863.09	3862877.25	0.42871	5.74E-01	6.03E-01	6.56E-01
4932	472363.09	3862877.25	0.42955	5.75E-01	6.04E-01	6.58E-01
4933	472863.09	3862877.25	0.44495	5.96E-01	6.26E-01	6.81E-01
4934	473363.09	3862877.25	0.44152	5.91E-01	6.21E-01	6.76E-01
4935	473863.09	3862877.25	0.4441	5.94E-01	6.25E-01	6.80E-01
4936	474363.09	3862877.25	0.46693	6.25E-01	6.57E-01	7.15E-01
4937	474863.09	3862877.25	0.4877	6.53E-01	6.86E-01	7.47E-01
4938	475363.09	3862877.25	0.49528	6.63E-01	6.97E-01	7.58E-01
4939	475863.09	3862877.25	0.51214	6.85E-01	7.21E-01	7.84E-01
4940	476363.09	3862877.25	0.52615	7.04E-01	7.40E-01	8.06E-01
4941	476863.09	3862877.25	0.57076	7.64E-01	8.03E-01	8.74E-01
4942	477363.09	3862877.25	0.60214	8.06E-01	8.47E-01	9.22E-01
4943	477863.09	3862877.25	0.60253	8.06E-01	8.48E-01	9.23E-01
4944	478363.09	3862877.25	0.53584	7.17E-01	7.54E-01	8.20E-01
4945	478863.09	3862877.25	0.53852	7.21E-01	7.58E-01	8.25E-01
4946	479363.09	3862877.25	0.56876	7.61E-01	8.00E-01	8.71E-01
4947	479863.09	3862877.25	0.71942	9.63E-01	1.01E+00	1.10E+00
4948	480363.09	3862877.25	0.71698	9.60E-01	1.01E+00	1.10E+00
4949	480863.09	3862877.25	0.74165	9.93E-01	1.04E+00	1.14E+00
4950	481363.09	3862877.25	0.76476	1.02E+00	1.08E+00	1.17E+00
4951	481863.09	3862877.25	0.8052	1.08E+00	1.13E+00	1.23E+00
4952	482363.09	3862877.25	0.83137	1.11E+00	1.17E+00	1.27E+00
4953	482863.09	3862877.25	0.86002	1.15E+00	1.21E+00	1.32E+00
4954	483363.09	3862877.25	0.87323	1.17E+00	1.23E+00	1.34E+00
4955	483863.09	3862877.25	0.8681	1.16E+00	1.22E+00	1.33E+00
4956	484363.09	3862877.25	0.86938	1.16E+00	1.22E+00	1.33E+00
4957	484863.09	3862877.25	0.86636	1.16E+00	1.22E+00	1.33E+00
4958	485363.09	3862877.25	0.8705	1.17E+00	1.22E+00	1.33E+00
4959	485863.09	3862877.25	0.87352	1.17E+00	1.23E+00	1.34E+00
4960	486363.09	3862877.25	0.89249	1.19E+00	1.26E+00	1.37E+00
4961	486863.09	3862877.25	0.89553	1.20E+00	1.26E+00	1.37E+00
4962	487363.09	3862877.25	0.92179	1.23E+00	1.30E+00	1.41E+00
4963	487863.09	3862877.25	0.96348	1.29E+00	1.36E+00	1.48E+00
4964	488363.09	3862877.25	0.99884	1.34E+00	1.41E+00	1.53E+00
4965	488863.09	3862877.25	1.04264	1.40E+00	1.47E+00	1.60E+00
4966	489363.09	3862877.25	1.09421	1.46E+00	1.54E+00	1.68E+00
4967	489863.09	3862877.25	1.15803	1.55E+00	1.63E+00	1.77E+00
4968	490363.09	3862877.25	1.22152	1.63E+00	1.72E+00	1.87E+00
4969	490863.09	3862877.25	1.30879	1.75E+00	1.84E+00	2.00E+00
4970	491363.09	3862877.25	1.43236	1.92E+00	2.02E+00	2.19E+00
4971	491863.09	3862877.25	1.55492	2.08E+00	2.19E+00	2.38E+00
4972	492363.09	3862877.25	1.74785	2.34E+00	2.46E+00	2.68E+00
4973	492863.09	3862877.25	2.03145	2.72E+00	2.86E+00	3.11E+00

4974	493363.09	3862877.25	2.43161	3.25E+00	3.42E+00	3.72E+00
4975	493863.09	3862877.25	2.86563	3.84E+00	4.03E+00	4.39E+00
4976	494363.09	3862877.25	2.94155	3.94E+00	4.14E+00	4.50E+00
4977	494863.09	3862877.25	2.68737	3.60E+00	3.78E+00	4.11E+00
4978	495363.09	3862877.25	2.46624	3.30E+00	3.47E+00	3.78E+00
4979	495863.09	3862877.25	2.20336	2.95E+00	3.10E+00	3.37E+00
4980	496363.09	3862877.25	2.22449	2.98E+00	3.13E+00	3.41E+00
4981	496863.09	3862877.25	1.89628	2.54E+00	2.67E+00	2.90E+00
4982	497363.09	3862877.25	1.66694	2.23E+00	2.35E+00	2.55E+00
4983	497863.09	3862877.25	1.58665	2.12E+00	2.23E+00	2.43E+00
4984	498363.09	3862877.25	1.46816	1.97E+00	2.07E+00	2.25E+00
4985	471363.09	3863377.25	0.38434	5.14E-01	5.41E-01	5.88E-01
4986	471863.09	3863377.25	0.38401	5.14E-01	5.40E-01	5.88E-01
4987	472363.09	3863377.25	0.40202	5.38E-01	5.66E-01	6.16E-01
4988	472863.09	3863377.25	0.42965	5.75E-01	6.05E-01	6.58E-01
4989	473363.09	3863377.25	0.43287	5.79E-01	6.09E-01	6.63E-01
4990	473863.09	3863377.25	0.44347	5.94E-01	6.24E-01	6.79E-01
4991	474363.09	3863377.25	0.44947	6.02E-01	6.32E-01	6.88E-01
4992	474863.09	3863377.25	0.46428	6.21E-01	6.53E-01	7.11E-01
4993	475363.09	3863377.25	0.48277	6.46E-01	6.79E-01	7.39E-01
4994	475863.09	3863377.25	0.48617	6.51E-01	6.84E-01	7.44E-01
4995	476363.09	3863377.25	0.53039	7.10E-01	7.46E-01	8.12E-01
4996	476863.09	3863377.25	0.55317	7.40E-01	7.78E-01	8.47E-01
4997	477363.09	3863377.25	0.5789	7.75E-01	8.15E-01	8.86E-01
4998	477863.09	3863377.25	0.64008	8.57E-01	9.01E-01	9.80E-01
4999	478363.09	3863377.25	0.60797	8.14E-01	8.55E-01	9.31E-01
5000	478863.09	3863377.25	0.64836	8.68E-01	9.12E-01	9.93E-01
5001	479363.09	3863377.25	0.69372	9.28E-01	9.76E-01	1.06E+00
5002	479863.09	3863377.25	0.65518	8.77E-01	9.22E-01	1.00E+00
5003	480363.09	3863377.25	0.64195	8.59E-01	9.03E-01	9.83E-01
5004	480863.09	3863377.25	0.70949	9.50E-01	9.98E-01	1.09E+00
5005	481363.09	3863377.25	0.73037	9.78E-01	1.03E+00	1.12E+00
5006	481863.09	3863377.25	0.7447	9.97E-01	1.05E+00	1.14E+00
5007	482363.09	3863377.25	0.74005	9.91E-01	1.04E+00	1.13E+00
5008	482863.09	3863377.25	0.73101	9.78E-01	1.03E+00	1.12E+00
5009	483363.09	3863377.25	0.75294	1.01E+00	1.06E+00	1.15E+00
5010	483863.09	3863377.25	0.75353	1.01E+00	1.06E+00	1.15E+00
5011	484363.09	3863377.25	0.76198	1.02E+00	1.07E+00	1.17E+00
5012	484863.09	3863377.25	0.76774	1.03E+00	1.08E+00	1.18E+00
5013	485363.09	3863377.25	0.76617	1.03E+00	1.08E+00	1.17E+00
5014	485863.09	3863377.25	0.76714	1.03E+00	1.08E+00	1.17E+00
5015	486363.09	3863377.25	0.79073	1.06E+00	1.11E+00	1.21E+00
5016	486863.09	3863377.25	0.81874	1.10E+00	1.15E+00	1.25E+00
5017	487363.09	3863377.25	0.83813	1.12E+00	1.18E+00	1.28E+00
5018	487863.09	3863377.25	0.88629	1.19E+00	1.25E+00	1.36E+00
5019	488363.09	3863377.25	0.91518	1.22E+00	1.29E+00	1.40E+00
5020	488863.09	3863377.25	0.93527	1.25E+00	1.32E+00	1.43E+00
5021	489363.09	3863377.25	0.98504	1.32E+00	1.39E+00	1.51E+00
5022	489863.09	3863377.25	1.03624	1.39E+00	1.46E+00	1.59E+00
5023	490363.09	3863377.25	1.08661	1.45E+00	1.53E+00	1.66E+00
5024	490863.09	3863377.25	1.15755	1.55E+00	1.63E+00	1.77E+00
5025	491363.09	3863377.25	1.23934	1.66E+00	1.74E+00	1.90E+00
5026	491863.09	3863377.25	1.31588	1.76E+00	1.85E+00	2.01E+00
5027	492363.09	3863377.25	1.50124	2.01E+00	2.11E+00	2.30E+00
5028	492863.09	3863377.25	1.68274	2.25E+00	2.37E+00	2.58E+00
5029	493363.09	3863377.25	2.04345	2.74E+00	2.88E+00	3.13E+00
5030	493863.09	3863377.25	2.31682	3.10E+00	3.26E+00	3.55E+00
5031	494363.09	3863377.25	2.56464	3.43E+00	3.61E+00	3.93E+00
5032	494863.09	3863377.25	2.57962	3.45E+00	3.63E+00	3.95E+00
5033	495363.09	3863377.25	2.55561	3.42E+00	3.60E+00	3.91E+00
5034	495863.09	3863377.25	2.51847	3.37E+00	3.54E+00	3.86E+00
5035	496363.09	3863377.25	1.96825	2.63E+00	2.77E+00	3.01E+00
5036	496863.09	3863377.25	1.76565	2.36E+00	2.48E+00	2.70E+00

5037	497363.09	3863377.25	1.79076	2.40E+00	2.52E+00	2.74E+00
5038	497863.09	3863377.25	1.51218	2.02E+00	2.13E+00	2.32E+00
5039	498363.09	3863377.25	1.36206	1.82E+00	1.92E+00	2.09E+00
5040	471363.09	3863877.25	0.38238	5.12E-01	5.38E-01	5.85E-01
5041	471863.09	3863877.25	0.40296	5.39E-01	5.67E-01	6.17E-01
5042	472363.09	3863877.25	0.40113	5.37E-01	5.64E-01	6.14E-01
5043	472863.09	3863877.25	0.40867	5.47E-01	5.75E-01	6.26E-01
5044	473363.09	3863877.25	0.41073	5.50E-01	5.78E-01	6.29E-01
5045	473863.09	3863877.25	0.41106	5.50E-01	5.78E-01	6.29E-01
5046	474363.09	3863877.25	0.41599	5.57E-01	5.85E-01	6.37E-01
5047	474863.09	3863877.25	0.41738	5.59E-01	5.87E-01	6.39E-01
5048	475363.09	3863877.25	0.48004	6.42E-01	6.75E-01	7.35E-01
5049	475863.09	3863877.25	0.46949	6.28E-01	6.61E-01	7.19E-01
5050	476363.09	3863877.25	0.51425	6.88E-01	7.24E-01	7.87E-01
5051	476863.09	3863877.25	0.52518	7.03E-01	7.39E-01	8.04E-01
5052	477363.09	3863877.25	0.56342	7.54E-01	7.93E-01	8.63E-01
5053	477863.09	3863877.25	0.60329	8.07E-01	8.49E-01	9.24E-01
5054	478363.09	3863877.25	0.62233	8.33E-01	8.76E-01	9.53E-01
5055	478863.09	3863877.25	0.63407	8.49E-01	8.92E-01	9.71E-01
5056	479363.09	3863877.25	0.62006	8.30E-01	8.72E-01	9.49E-01
5057	479863.09	3863877.25	0.63299	8.47E-01	8.91E-01	9.69E-01
5058	480363.09	3863877.25	0.65188	8.72E-01	9.17E-01	9.98E-01
5059	480863.09	3863877.25	0.65036	8.70E-01	9.15E-01	9.96E-01
5060	481363.09	3863877.25	0.6484	8.68E-01	9.12E-01	9.93E-01
5061	481863.09	3863877.25	0.64908	8.69E-01	9.13E-01	9.94E-01
5062	482363.09	3863877.25	0.66414	8.89E-01	9.34E-01	1.02E+00
5063	482863.09	3863877.25	0.66623	8.92E-01	9.37E-01	1.02E+00
5064	483363.09	3863877.25	0.67345	9.01E-01	9.48E-01	1.03E+00
5065	483863.09	3863877.25	0.67612	9.05E-01	9.51E-01	1.04E+00
5066	484363.09	3863877.25	0.67107	8.98E-01	9.44E-01	1.03E+00
5067	484863.09	3863877.25	0.67961	9.10E-01	9.56E-01	1.04E+00
5068	485363.09	3863877.25	0.69248	9.27E-01	9.74E-01	1.06E+00
5069	485863.09	3863877.25	0.70751	9.47E-01	9.96E-01	1.08E+00
5070	486363.09	3863877.25	0.73366	9.82E-01	1.03E+00	1.12E+00
5071	486863.09	3863877.25	0.75402	1.01E+00	1.06E+00	1.15E+00
5072	487363.09	3863877.25	0.77292	1.03E+00	1.09E+00	1.18E+00
5073	487863.09	3863877.25	0.8104	1.08E+00	1.14E+00	1.24E+00
5074	488363.09	3863877.25	0.83712	1.12E+00	1.18E+00	1.28E+00
5075	488863.09	3863877.25	0.87091	1.17E+00	1.23E+00	1.33E+00
5076	489363.09	3863877.25	0.89417	1.20E+00	1.26E+00	1.37E+00
5077	489863.09	3863877.25	0.93752	1.25E+00	1.32E+00	1.44E+00
5078	490363.09	3863877.25	0.98552	1.32E+00	1.39E+00	1.51E+00
5079	490863.09	3863877.25	1.02842	1.38E+00	1.45E+00	1.57E+00
5080	491363.09	3863877.25	1.0935	1.46E+00	1.54E+00	1.67E+00
5081	491863.09	3863877.25	1.19674	1.60E+00	1.68E+00	1.83E+00
5082	492363.09	3863877.25	1.52692	2.04E+00	2.15E+00	2.34E+00
5083	492863.09	3863877.25	1.56975	2.10E+00	2.21E+00	2.40E+00
5084	493363.09	3863877.25	1.71027	2.29E+00	2.41E+00	2.62E+00
5085	493863.09	3863877.25	1.94913	2.61E+00	2.74E+00	2.98E+00
5086	494363.09	3863877.25	2.27483	3.04E+00	3.20E+00	3.48E+00
5087	494863.09	3863877.25	2.46683	3.30E+00	3.47E+00	3.78E+00
5088	495363.09	3863877.25	2.60409	3.49E+00	3.66E+00	3.99E+00
5089	495863.09	3863877.25	2.4144	3.23E+00	3.40E+00	3.70E+00
5090	496363.09	3863877.25	2.00912	2.69E+00	2.83E+00	3.08E+00
5091	496863.09	3863877.25	1.8008	2.41E+00	2.53E+00	2.76E+00
5092	497363.09	3863877.25	1.6069	2.15E+00	2.26E+00	2.46E+00
5093	497863.09	3863877.25	1.51389	2.03E+00	2.13E+00	2.32E+00
5094	498363.09	3863877.25	1.49381	2.00E+00	2.10E+00	2.29E+00
5095	471363.09	3864377.25	0.35753	4.79E-01	5.03E-01	5.47E-01
5096	471863.09	3864377.25	0.36825	4.93E-01	5.18E-01	5.64E-01
5097	472363.09	3864377.25	0.37488	5.02E-01	5.27E-01	5.74E-01
5098	472863.09	3864377.25	0.38257	5.12E-01	5.38E-01	5.86E-01
5099	473363.09	3864377.25	0.39145	5.24E-01	5.51E-01	5.99E-01

5100	473863.09	3864377.25	0.39237	5.25E-01	5.52E-01	6.01E-01
5101	474363.09	3864377.25	0.4126	5.52E-01	5.81E-01	6.32E-01
5102	474863.09	3864377.25	0.42692	5.71E-01	6.01E-01	6.54E-01
5103	475363.09	3864377.25	0.45131	6.04E-01	6.35E-01	6.91E-01
5104	475863.09	3864377.25	0.45922	6.15E-01	6.46E-01	7.03E-01
5105	476363.09	3864377.25	0.47198	6.32E-01	6.64E-01	7.23E-01
5106	476863.09	3864377.25	0.50033	6.70E-01	7.04E-01	7.66E-01
5107	477363.09	3864377.25	0.49655	6.65E-01	6.99E-01	7.60E-01
5108	477863.09	3864377.25	0.51802	6.93E-01	7.29E-01	7.93E-01
5109	478363.09	3864377.25	0.52947	7.09E-01	7.45E-01	8.11E-01
5110	478863.09	3864377.25	0.57116	7.64E-01	8.04E-01	8.75E-01
5111	479363.09	3864377.25	0.582	7.79E-01	8.19E-01	8.91E-01
5112	479863.09	3864377.25	0.5763	7.71E-01	8.11E-01	8.82E-01
5113	480363.09	3864377.25	0.5876	7.86E-01	8.27E-01	9.00E-01
5114	480863.09	3864377.25	0.58361	7.81E-01	8.21E-01	8.94E-01
5115	481363.09	3864377.25	0.59538	7.97E-01	8.38E-01	9.12E-01
5116	481863.09	3864377.25	0.60262	8.07E-01	8.48E-01	9.23E-01
5117	482363.09	3864377.25	0.60319	8.07E-01	8.49E-01	9.24E-01
5118	482863.09	3864377.25	0.60135	8.05E-01	8.46E-01	9.21E-01
5119	483363.09	3864377.25	0.58923	7.89E-01	8.29E-01	9.02E-01
5120	483863.09	3864377.25	0.59963	8.03E-01	8.44E-01	9.18E-01
5121	484363.09	3864377.25	0.59863	8.01E-01	8.42E-01	9.17E-01
5122	484863.09	3864377.25	0.61917	8.29E-01	8.71E-01	9.48E-01
5123	485363.09	3864377.25	0.64201	8.59E-01	9.03E-01	9.83E-01
5124	485863.09	3864377.25	0.65974	8.83E-01	9.28E-01	1.01E+00
5125	486363.09	3864377.25	0.68642	9.19E-01	9.66E-01	1.05E+00
5126	486863.09	3864377.25	0.69839	9.35E-01	9.83E-01	1.07E+00
5127	487363.09	3864377.25	0.7238	9.69E-01	1.02E+00	1.11E+00
5128	487863.09	3864377.25	0.73755	9.87E-01	1.04E+00	1.13E+00
5129	488363.09	3864377.25	0.77902	1.04E+00	1.10E+00	1.19E+00
5130	488863.09	3864377.25	0.80872	1.08E+00	1.14E+00	1.24E+00
5131	489363.09	3864377.25	0.8241	1.10E+00	1.16E+00	1.26E+00
5132	489863.09	3864377.25	0.85209	1.14E+00	1.20E+00	1.30E+00
5133	490363.09	3864377.25	0.90719	1.21E+00	1.28E+00	1.39E+00
5134	490863.09	3864377.25	0.94451	1.26E+00	1.33E+00	1.45E+00
5135	491363.09	3864377.25	1.03365	1.38E+00	1.45E+00	1.58E+00
5136	491863.09	3864377.25	0.81971	1.10E+00	1.15E+00	1.26E+00
5137	492363.09	3864377.25	1.05939	1.42E+00	1.49E+00	1.62E+00
5138	492863.09	3864377.25	0.83919	1.12E+00	1.18E+00	1.28E+00
5139	493363.09	3864377.25	1.00949	1.35E+00	1.42E+00	1.55E+00
5140	493863.09	3864377.25	1.40994	1.89E+00	1.98E+00	2.16E+00
5141	494363.09	3864377.25	1.75823	2.35E+00	2.47E+00	2.69E+00
5142	494863.09	3864377.25	2.01035	2.69E+00	2.83E+00	3.08E+00
5143	495363.09	3864377.25	2.28211	3.05E+00	3.21E+00	3.49E+00
5144	495863.09	3864377.25	2.40839	3.22E+00	3.39E+00	3.69E+00
5145	496363.09	3864377.25	2.03787	2.73E+00	2.87E+00	3.12E+00
5146	496863.09	3864377.25	1.88521	2.52E+00	2.65E+00	2.89E+00
5147	497363.09	3864377.25	1.71993	2.30E+00	2.42E+00	2.63E+00
5148	497863.09	3864377.25	1.52583	2.04E+00	2.15E+00	2.34E+00
5149	498363.09	3864377.25	1.34271	1.80E+00	1.89E+00	2.06E+00
5150	471363.09	3864877.25	0.33999	4.55E-01	4.78E-01	5.21E-01
5151	471863.09	3864877.25	0.36701	4.91E-01	5.16E-01	5.62E-01
5152	472363.09	3864877.25	0.3824	5.12E-01	5.38E-01	5.86E-01
5153	472863.09	3864877.25	0.40309	5.40E-01	5.67E-01	6.17E-01
5154	473363.09	3864877.25	0.39418	5.28E-01	5.55E-01	6.04E-01
5155	473863.09	3864877.25	0.39614	5.30E-01	5.57E-01	6.07E-01
5156	474363.09	3864877.25	0.39973	5.35E-01	5.62E-01	6.12E-01
5157	474863.09	3864877.25	0.40562	5.43E-01	5.71E-01	6.21E-01
5158	475363.09	3864877.25	0.41939	5.61E-01	5.90E-01	6.42E-01
5159	475863.09	3864877.25	0.43811	5.86E-01	6.16E-01	6.71E-01
5160	476363.09	3864877.25	0.4513	6.04E-01	6.35E-01	6.91E-01
5161	476863.09	3864877.25	0.46768	6.26E-01	6.58E-01	7.16E-01
5162	477363.09	3864877.25	0.4766	6.38E-01	6.71E-01	7.30E-01

5163	477863.09	3864877.25	0.51133	6.84E-01	7.19E-01	7.83E-01
5164	478363.09	3864877.25	0.51871	6.94E-01	7.30E-01	7.94E-01
5165	478863.09	3864877.25	0.5207	6.97E-01	7.33E-01	7.97E-01
5166	479363.09	3864877.25	0.53363	7.14E-01	7.51E-01	8.17E-01
5167	479863.09	3864877.25	0.52893	7.08E-01	7.44E-01	8.10E-01
5168	480363.09	3864877.25	0.53634	7.18E-01	7.55E-01	8.21E-01
5169	480863.09	3864877.25	0.54756	7.33E-01	7.70E-01	8.38E-01
5170	481363.09	3864877.25	0.5487	7.34E-01	7.72E-01	8.40E-01
5171	481863.09	3864877.25	0.53576	7.17E-01	7.54E-01	8.20E-01
5172	482363.09	3864877.25	0.52886	7.08E-01	7.44E-01	8.10E-01
5173	482863.09	3864877.25	0.53208	7.12E-01	7.49E-01	8.15E-01
5174	483363.09	3864877.25	0.53949	7.22E-01	7.59E-01	8.26E-01
5175	483863.09	3864877.25	0.54217	7.26E-01	7.63E-01	8.30E-01
5176	484363.09	3864877.25	0.56718	7.59E-01	7.98E-01	8.68E-01
5177	484863.09	3864877.25	0.58653	7.85E-01	8.25E-01	8.98E-01
5178	485363.09	3864877.25	0.60791	8.14E-01	8.55E-01	9.31E-01
5179	485863.09	3864877.25	0.62468	8.36E-01	8.79E-01	9.57E-01
5180	486363.09	3864877.25	0.63381	8.48E-01	8.92E-01	9.70E-01
5181	486863.09	3864877.25	0.64908	8.69E-01	9.13E-01	9.94E-01
5182	487363.09	3864877.25	0.67597	9.05E-01	9.51E-01	1.04E+00
5183	487863.09	3864877.25	0.68527	9.17E-01	9.64E-01	1.05E+00
5184	488363.09	3864877.25	0.72448	9.70E-01	1.02E+00	1.11E+00
5185	488863.09	3864877.25	0.74918	1.00E+00	1.05E+00	1.15E+00
5186	489363.09	3864877.25	0.75841	1.02E+00	1.07E+00	1.16E+00
5187	489863.09	3864877.25	0.77984	1.04E+00	1.10E+00	1.19E+00
5188	490363.09	3864877.25	0.83873	1.12E+00	1.18E+00	1.28E+00
5189	490863.09	3864877.25	0.98205	1.31E+00	1.38E+00	1.50E+00
5190	491363.09	3864877.25	0.95278	1.28E+00	1.34E+00	1.46E+00
5191	491863.09	3864877.25	1.0968	1.47E+00	1.54E+00	1.68E+00
5192	492363.09	3864877.25	0.59682	7.99E-01	8.40E-01	9.14E-01
5193	492863.09	3864877.25	0.76667	1.03E+00	1.08E+00	1.17E+00
5194	493363.09	3864877.25	0.71946	9.63E-01	1.01E+00	1.10E+00
5195	493863.09	3864877.25	1.03303	1.38E+00	1.45E+00	1.58E+00
5196	494363.09	3864877.25	1.40309	1.88E+00	1.97E+00	2.15E+00
5197	494863.09	3864877.25	1.63585	2.19E+00	2.30E+00	2.50E+00
5198	495363.09	3864877.25	1.83877	2.46E+00	2.59E+00	2.82E+00
5199	495863.09	3864877.25	1.9008	2.54E+00	2.67E+00	2.91E+00
5200	496363.09	3864877.25	2.20784	2.96E+00	3.11E+00	3.38E+00
5201	496863.09	3864877.25	1.94309	2.60E+00	2.73E+00	2.98E+00
5202	497363.09	3864877.25	1.70193	2.28E+00	2.39E+00	2.61E+00
5203	497863.09	3864877.25	1.62244	2.17E+00	2.28E+00	2.48E+00
5204	498363.09	3864877.25	1.4395	1.93E+00	2.03E+00	2.20E+00
5205	471363.09	3865377.25	0.35243	4.72E-01	4.96E-01	5.40E-01
5206	471863.09	3865377.25	0.37022	4.96E-01	5.21E-01	5.67E-01
5207	472363.09	3865377.25	0.374	5.01E-01	5.26E-01	5.73E-01
5208	472863.09	3865377.25	0.37778	5.06E-01	5.32E-01	5.78E-01
5209	473363.09	3865377.25	0.36388	4.87E-01	5.12E-01	5.57E-01
5210	473863.09	3865377.25	0.37216	4.98E-01	5.24E-01	5.70E-01
5211	474363.09	3865377.25	0.39097	5.23E-01	5.50E-01	5.99E-01
5212	474863.09	3865377.25	0.40684	5.45E-01	5.72E-01	6.23E-01
5213	475363.09	3865377.25	0.39916	5.34E-01	5.62E-01	6.11E-01
5214	475863.09	3865377.25	0.41505	5.56E-01	5.84E-01	6.36E-01
5215	476363.09	3865377.25	0.49465	6.62E-01	6.96E-01	7.57E-01
5216	476863.09	3865377.25	0.53732	7.19E-01	7.56E-01	8.23E-01
5217	477363.09	3865377.25	0.50476	6.76E-01	7.10E-01	7.73E-01
5218	477863.09	3865377.25	0.4698	6.29E-01	6.61E-01	7.19E-01
5219	478363.09	3865377.25	0.4863	6.51E-01	6.84E-01	7.45E-01
5220	478863.09	3865377.25	0.48657	6.51E-01	6.85E-01	7.45E-01
5221	479363.09	3865377.25	0.48998	6.56E-01	6.89E-01	7.50E-01
5222	479863.09	3865377.25	0.4913	6.58E-01	6.91E-01	7.52E-01
5223	480363.09	3865377.25	0.49915	6.68E-01	7.02E-01	7.64E-01
5224	480863.09	3865377.25	0.49098	6.57E-01	6.91E-01	7.52E-01
5225	481363.09	3865377.25	0.47313	6.33E-01	6.66E-01	7.24E-01

5226	481863.09	3865377.25	0.47072	6.30E-01	6.62E-01	7.21E-01
5227	482363.09	3865377.25	0.486	6.50E-01	6.84E-01	7.44E-01
5228	482863.09	3865377.25	0.49489	6.62E-01	6.96E-01	7.58E-01
5229	483363.09	3865377.25	0.50712	6.79E-01	7.14E-01	7.76E-01
5230	483863.09	3865377.25	0.52477	7.02E-01	7.38E-01	8.04E-01
5231	484363.09	3865377.25	0.53381	7.14E-01	7.51E-01	8.17E-01
5232	484863.09	3865377.25	0.5454	7.30E-01	7.67E-01	8.35E-01
5233	485363.09	3865377.25	0.57109	7.64E-01	8.04E-01	8.74E-01
5234	485863.09	3865377.25	0.57878	7.75E-01	8.14E-01	8.86E-01
5235	486363.09	3865377.25	0.5905	7.90E-01	8.31E-01	9.04E-01
5236	486863.09	3865377.25	0.62711	8.39E-01	8.82E-01	9.60E-01
5237	487363.09	3865377.25	0.6228	8.34E-01	8.76E-01	9.54E-01
5238	487863.09	3865377.25	0.64544	8.64E-01	9.08E-01	9.88E-01
5239	488363.09	3865377.25	0.67137	8.99E-01	9.45E-01	1.03E+00
5240	488863.09	3865377.25	0.69615	9.32E-01	9.80E-01	1.07E+00
5241	489363.09	3865377.25	0.71291	9.54E-01	1.00E+00	1.09E+00
5242	489863.09	3865377.25	0.74453	9.96E-01	1.05E+00	1.14E+00
5243	490363.09	3865377.25	0.89281	1.19E+00	1.26E+00	1.37E+00
5244	490863.09	3865377.25	0.89909	1.20E+00	1.27E+00	1.38E+00
5245	491363.09	3865377.25	0.94805	1.27E+00	1.33E+00	1.45E+00
5246	491863.09	3865377.25	0.98652	1.32E+00	1.39E+00	1.51E+00
5247	492363.09	3865377.25	0.80658	1.08E+00	1.13E+00	1.24E+00
5248	492863.09	3865377.25	0.79453	1.06E+00	1.12E+00	1.22E+00
5249	493363.09	3865377.25	0.71315	9.54E-01	1.00E+00	1.09E+00
5250	493863.09	3865377.25	0.79194	1.06E+00	1.11E+00	1.21E+00
5251	494363.09	3865377.25	1.06377	1.42E+00	1.50E+00	1.63E+00
5252	494863.09	3865377.25	1.30292	1.74E+00	1.83E+00	2.00E+00
5253	495363.09	3865377.25	1.52546	2.04E+00	2.15E+00	2.34E+00
5254	495863.09	3865377.25	1.65463	2.21E+00	2.33E+00	2.53E+00
5255	496363.09	3865377.25	1.92641	2.58E+00	2.71E+00	2.95E+00
5256	496863.09	3865377.25	2.09088	2.80E+00	2.94E+00	3.20E+00
5257	497363.09	3865377.25	1.82378	2.44E+00	2.57E+00	2.79E+00
5258	497863.09	3865377.25	1.75232	2.35E+00	2.47E+00	2.68E+00
5259	498363.09	3865377.25	1.57256	2.10E+00	2.21E+00	2.41E+00
5260	471363.09	3865877.25	0.32938	4.41E-01	4.63E-01	5.04E-01
5261	471863.09	3865877.25	0.33211	4.45E-01	4.67E-01	5.09E-01
5262	472363.09	3865877.25	0.37667	5.04E-01	5.30E-01	5.77E-01
5263	472863.09	3865877.25	0.35055	4.69E-01	4.93E-01	5.37E-01
5264	473363.09	3865877.25	0.36048	4.82E-01	5.07E-01	5.52E-01
5265	473863.09	3865877.25	0.36339	4.86E-01	5.11E-01	5.56E-01
5266	474363.09	3865877.25	0.36584	4.90E-01	5.15E-01	5.60E-01
5267	474863.09	3865877.25	0.38401	5.14E-01	5.40E-01	5.88E-01
5268	475363.09	3865877.25	0.39742	5.32E-01	5.59E-01	6.09E-01
5269	475863.09	3865877.25	0.41723	5.58E-01	5.87E-01	6.39E-01
5270	476363.09	3865877.25	0.50865	6.81E-01	7.16E-01	7.79E-01
5271	476863.09	3865877.25	0.50276	6.73E-01	7.07E-01	7.70E-01
5272	477363.09	3865877.25	0.50411	6.75E-01	7.09E-01	7.72E-01
5273	477863.09	3865877.25	0.45676	6.11E-01	6.43E-01	6.99E-01
5274	478363.09	3865877.25	0.45807	6.13E-01	6.45E-01	7.01E-01
5275	478863.09	3865877.25	0.453	6.06E-01	6.37E-01	6.94E-01
5276	479363.09	3865877.25	0.4606	6.16E-01	6.48E-01	7.05E-01
5277	479863.09	3865877.25	0.45188	6.05E-01	6.36E-01	6.92E-01
5278	480363.09	3865877.25	0.43279	5.79E-01	6.09E-01	6.63E-01
5279	480863.09	3865877.25	0.43317	5.80E-01	6.09E-01	6.63E-01
5280	481363.09	3865877.25	0.42612	5.70E-01	6.00E-01	6.52E-01
5281	481863.09	3865877.25	0.44159	5.91E-01	6.21E-01	6.76E-01
5282	482363.09	3865877.25	0.46023	6.16E-01	6.48E-01	7.05E-01
5283	482863.09	3865877.25	0.47238	6.32E-01	6.65E-01	7.23E-01
5284	483363.09	3865877.25	0.48365	6.47E-01	6.81E-01	7.41E-01
5285	483863.09	3865877.25	0.49418	6.61E-01	6.95E-01	7.57E-01
5286	484363.09	3865877.25	0.49672	6.65E-01	6.99E-01	7.61E-01
5287	484863.09	3865877.25	0.51933	6.95E-01	7.31E-01	7.95E-01
5288	485363.09	3865877.25	0.5325	7.13E-01	7.49E-01	8.15E-01

5289	485863.09	3865877.25	0.54726	7.32E-01	7.70E-01	8.38E-01
5290	486363.09	3865877.25	0.55991	7.49E-01	7.88E-01	8.57E-01
5291	486863.09	3865877.25	0.5851	7.83E-01	8.23E-01	8.96E-01
5292	487363.09	3865877.25	0.59134	7.91E-01	8.32E-01	9.05E-01
5293	487863.09	3865877.25	0.60433	8.09E-01	8.50E-01	9.25E-01
5294	488363.09	3865877.25	0.6326	8.47E-01	8.90E-01	9.69E-01
5295	488863.09	3865877.25	0.65604	8.78E-01	9.23E-01	1.00E+00
5296	489363.09	3865877.25	0.67059	8.98E-01	9.44E-01	1.03E+00
5297	489863.09	3865877.25	0.70009	9.37E-01	9.85E-01	1.07E+00
5298	490363.09	3865877.25	0.74837	1.00E+00	1.05E+00	1.15E+00
5299	490863.09	3865877.25	0.81863	1.10E+00	1.15E+00	1.25E+00
5300	491363.09	3865877.25	0.87376	1.17E+00	1.23E+00	1.34E+00
5301	491863.09	3865877.25	0.87468	1.17E+00	1.23E+00	1.34E+00
5302	492363.09	3865877.25	0.85967	1.15E+00	1.21E+00	1.32E+00
5303	492863.09	3865877.25	0.75999	1.02E+00	1.07E+00	1.16E+00
5304	493363.09	3865877.25	0.78595	1.05E+00	1.11E+00	1.20E+00
5305	493863.09	3865877.25	0.81659	1.09E+00	1.15E+00	1.25E+00
5306	494363.09	3865877.25	0.92087	1.23E+00	1.30E+00	1.41E+00
5307	494863.09	3865877.25	1.2294	1.65E+00	1.73E+00	1.88E+00
5308	495363.09	3865877.25	1.27859	1.71E+00	1.80E+00	1.96E+00
5309	495863.09	3865877.25	1.45014	1.94E+00	2.04E+00	2.22E+00
5310	496363.09	3865877.25	1.57996	2.11E+00	2.22E+00	2.42E+00
5311	496863.09	3865877.25	1.71831	2.30E+00	2.42E+00	2.63E+00
5312	497363.09	3865877.25	1.95827	2.62E+00	2.76E+00	3.00E+00
5313	497863.09	3865877.25	1.73756	2.33E+00	2.44E+00	2.66E+00
5314	498363.09	3865877.25	1.71401	2.29E+00	2.41E+00	2.62E+00
5315	471363.09	3866377.25	0.32186	4.31E-01	4.53E-01	4.93E-01
5316	471863.09	3866377.25	0.34543	4.62E-01	4.86E-01	5.29E-01
5317	472363.09	3866377.25	0.34208	4.58E-01	4.81E-01	5.24E-01
5318	472863.09	3866377.25	0.33086	4.43E-01	4.66E-01	5.07E-01
5319	473363.09	3866377.25	0.34019	4.55E-01	4.79E-01	5.21E-01
5320	473863.09	3866377.25	0.34623	4.63E-01	4.87E-01	5.30E-01
5321	474363.09	3866377.25	0.36626	4.90E-01	5.15E-01	5.61E-01
5322	474863.09	3866377.25	0.3744	5.01E-01	5.27E-01	5.73E-01
5323	475363.09	3866377.25	0.3897	5.22E-01	5.48E-01	5.97E-01
5324	475863.09	3866377.25	0.39018	5.22E-01	5.49E-01	5.97E-01
5325	476363.09	3866377.25	0.46868	6.27E-01	6.59E-01	7.18E-01
5326	476863.09	3866377.25	0.47925	6.41E-01	6.74E-01	7.34E-01
5327	477363.09	3866377.25	0.48984	6.56E-01	6.89E-01	7.50E-01
5328	477863.09	3866377.25	0.425	5.69E-01	5.98E-01	6.51E-01
5329	478363.09	3866377.25	0.42304	5.66E-01	5.95E-01	6.48E-01
5330	478863.09	3866377.25	0.41508	5.56E-01	5.84E-01	6.36E-01
5331	479363.09	3866377.25	0.40365	5.40E-01	5.68E-01	6.18E-01
5332	479863.09	3866377.25	0.39912	5.34E-01	5.62E-01	6.11E-01
5333	480363.09	3866377.25	0.39284	5.26E-01	5.53E-01	6.02E-01
5334	480863.09	3866377.25	0.39043	5.23E-01	5.49E-01	5.98E-01
5335	481363.09	3866377.25	0.4147	5.55E-01	5.84E-01	6.35E-01
5336	481863.09	3866377.25	0.42814	5.73E-01	6.02E-01	6.56E-01
5337	482363.09	3866377.25	0.43914	5.88E-01	6.18E-01	6.72E-01
5338	482863.09	3866377.25	0.45503	6.09E-01	6.40E-01	6.97E-01
5339	483363.09	3866377.25	0.461	6.17E-01	6.49E-01	7.06E-01
5340	483863.09	3866377.25	0.46302	6.20E-01	6.51E-01	7.09E-01
5341	484363.09	3866377.25	0.47654	6.38E-01	6.71E-01	7.30E-01
5342	484863.09	3866377.25	0.49175	6.58E-01	6.92E-01	7.53E-01
5343	485363.09	3866377.25	0.49796	6.66E-01	7.01E-01	7.62E-01
5344	485863.09	3866377.25	0.5174	6.93E-01	7.28E-01	7.92E-01
5345	486363.09	3866377.25	0.53044	7.10E-01	7.46E-01	8.12E-01
5346	486863.09	3866377.25	0.54613	7.31E-01	7.68E-01	8.36E-01
5347	487363.09	3866377.25	0.57747	7.73E-01	8.13E-01	8.84E-01
5348	487863.09	3866377.25	0.59815	8.01E-01	8.42E-01	9.16E-01
5349	488363.09	3866377.25	0.6267	8.39E-01	8.82E-01	9.60E-01
5350	488863.09	3866377.25	0.70409	9.42E-01	9.91E-01	1.08E+00
5351	489363.09	3866377.25	0.72079	9.65E-01	1.01E+00	1.10E+00

5352	489863.09	3866377.25	0.77846	1.04E+00	1.10E+00	1.19E+00
5353	490363.09	3866377.25	0.7043	9.43E-01	9.91E-01	1.08E+00
5354	490863.09	3866377.25	0.69753	9.34E-01	9.81E-01	1.07E+00
5355	491363.09	3866377.25	0.80789	1.08E+00	1.14E+00	1.24E+00
5356	491863.09	3866377.25	0.77451	1.04E+00	1.09E+00	1.19E+00
5357	492363.09	3866377.25	0.81491	1.09E+00	1.15E+00	1.25E+00
5358	492863.09	3866377.25	0.74692	1.00E+00	1.05E+00	1.14E+00
5359	493363.09	3866377.25	0.77877	1.04E+00	1.10E+00	1.19E+00
5360	493863.09	3866377.25	0.89776	1.20E+00	1.26E+00	1.37E+00
5361	494363.09	3866377.25	0.98937	1.32E+00	1.39E+00	1.51E+00
5362	494863.09	3866377.25	0.96202	1.29E+00	1.35E+00	1.47E+00
5363	495363.09	3866377.25	1.04227	1.39E+00	1.47E+00	1.60E+00
5364	495863.09	3866377.25	1.07019	1.43E+00	1.51E+00	1.64E+00
5365	496363.09	3866377.25	1.2329	1.65E+00	1.73E+00	1.89E+00
5366	496863.09	3866377.25	1.31887	1.77E+00	1.86E+00	2.02E+00
5367	497363.09	3866377.25	1.49171	2.00E+00	2.10E+00	2.28E+00
5368	497863.09	3866377.25	1.7909	2.40E+00	2.52E+00	2.74E+00
5369	498363.09	3866377.25	1.4746	1.97E+00	2.07E+00	2.26E+00
5370	474494.92	3848334.16	36.84001	4.93E+01	5.18E+01	5.64E+01
5371	475167.27	3848920.79	34.50272	4.62E+01	4.85E+01	5.28E+01
5372	475297.89	3848997.96	30.10128	4.03E+01	4.24E+01	4.61E+01
5373	475439.05	3849062	29.04591	3.89E+01	4.09E+01	4.45E+01
5374	475486.86	3849061.09	23.95836	3.21E+01	3.37E+01	3.67E+01
5375	475538.46	3849075.56	24.08957	3.22E+01	3.39E+01	3.69E+01
5376	475751.79	3849137.15	36.23075	4.85E+01	5.10E+01	5.55E+01
5377	476303.62	3849223.38	43.83364	5.87E+01	6.17E+01	6.71E+01
5378	476304.51	3849238.92	47.70993	6.39E+01	6.71E+01	7.31E+01
5379	476365.04	3849247.98	47.63326	6.38E+01	6.70E+01	7.29E+01
5380	476444.86	3849267.13	49.36444	6.61E+01	6.95E+01	7.56E+01
5381	476550.75	3849300.66	50.83238	6.80E+01	7.15E+01	7.78E+01
5382	476656.71	3849346.88	52.66253	7.05E+01	7.41E+01	8.06E+01
5383	476873.55	3849454.53	53.35679	7.14E+01	7.51E+01	8.17E+01
5384	477700	3849859.7	51.08724	6.84E+01	7.19E+01	7.82E+01
5385	477743.16	3849856.38	44.84656	6.00E+01	6.31E+01	6.87E+01
5386	478477.35	3850216.33	47.64068	6.38E+01	6.70E+01	7.29E+01
5387	478485.8	3850201.6	38.80699	5.19E+01	5.46E+01	5.94E+01
5388	479113.21	3850501.53	35.49485	4.75E+01	4.99E+01	5.43E+01
5389	479108.11	3850382.28	18.75114	2.51E+01	2.64E+01	2.87E+01
5390	479689.85	3850674.28	19.90545	2.66E+01	2.80E+01	3.05E+01
5391	479952.42	3850774.28	17.66343	2.36E+01	2.49E+01	2.70E+01
5392	479911.32	3850884.85	36.66825	4.91E+01	5.16E+01	5.61E+01
5393	480500.92	3851178.12	38.4919	5.15E+01	5.42E+01	5.89E+01
5394	480738.01	3851289.27	36.89337	4.94E+01	5.19E+01	5.65E+01
5395	481055.42	3851443.58	38.71539	5.18E+01	5.45E+01	5.93E+01
5396	481110.22	3851443.15	30.29507	4.05E+01	4.26E+01	4.64E+01
5397	481111.1	3851417.45	25.6938	3.44E+01	3.62E+01	3.93E+01
5398	482248.44	3852605.09	37.77692	5.06E+01	5.32E+01	5.78E+01
5399	482273.34	3852632.31	38.38299	5.14E+01	5.40E+01	5.88E+01
5400	482665.46	3853038.72	35.13931	4.70E+01	4.94E+01	5.38E+01
5401	483077.95	3853844.31	14.57191	1.95E+01	2.05E+01	2.23E+01
5402	483121.38	3853909.38	13.86596	1.86E+01	1.95E+01	2.12E+01
5403	483492.64	3853911.49	12.16354	1.63E+01	1.71E+01	1.86E+01
5404	483498.29	3854204.73	9.73174	1.30E+01	1.37E+01	1.49E+01
5405	484132.44	3854662.55	5.16139	6.91E+00	7.26E+00	7.90E+00
5406	484627.62	3854876.13	5.66663	7.58E+00	7.97E+00	8.68E+00
5407	484756.14	3854949.04	5.51915	7.39E+00	7.77E+00	8.45E+00
5408	486697.51	3856599.17	3.35958	4.50E+00	4.73E+00	5.14E+00
5409	487105.31	3856962.27	3.13125	4.19E+00	4.41E+00	4.79E+00
5410	487157.57	3856901.7	3.18815	4.27E+00	4.49E+00	4.88E+00
5411	487173.5	3856853.74	3.25123	4.35E+00	4.57E+00	4.98E+00
5412	487564.41	3856860.83	3.06802	4.11E+00	4.32E+00	4.70E+00
5413	487563.31	3856931.58	3.09584	4.14E+00	4.36E+00	4.74E+00
5414	487782.7	3856926.85	2.97757	3.99E+00	4.19E+00	4.56E+00

5415	487782.39	3856757.07	2.95522	3.96E+00	4.16E+00	4.53E+00
5416	487917.26	3856752.41	2.90868	3.89E+00	4.09E+00	4.45E+00
5417	487919.57	3856953.35	2.98554	4.00E+00	4.20E+00	4.57E+00
5418	487932.76	3857000.32	2.99626	4.01E+00	4.22E+00	4.59E+00
5419	487960.5	3857044.75	3.00316	4.02E+00	4.23E+00	4.60E+00
5420	488016.54	3857089.54	3.02165	4.04E+00	4.25E+00	4.63E+00
5421	488114.39	3857165.47	3.05535	4.09E+00	4.30E+00	4.68E+00
5422	488171.49	3857234.24	3.05192	4.08E+00	4.29E+00	4.67E+00
5423	488193.16	3857297.8	3.09687	4.14E+00	4.36E+00	4.74E+00
5424	488189.27	3857649.94	3.80662	5.09E+00	5.36E+00	5.83E+00
5425	488127.43	3857732.32	4.06522	5.44E+00	5.72E+00	6.22E+00
5426	488149.93	3857752.94	4.11018	5.50E+00	5.78E+00	6.29E+00
5427	488144.76	3857758.71	4.1413	5.54E+00	5.83E+00	6.34E+00
5428	488335.58	3857932.55	4.57285	6.12E+00	6.43E+00	7.00E+00
5429	488372.29	3857943.79	4.59174	6.15E+00	6.46E+00	7.03E+00
5430	488828.64	3857936.4	3.91447	5.24E+00	5.51E+00	5.99E+00
5431	488829.08	3857959.58	4.02256	5.38E+00	5.66E+00	6.16E+00
5432	488351.61	3857964.55	4.68233	6.27E+00	6.59E+00	7.17E+00
5433	488316.87	3857947.65	4.63875	6.21E+00	6.53E+00	7.10E+00
5434	488129.1	3857775.77	4.2276	5.66E+00	5.95E+00	6.47E+00
5435	488062.53	3857846.13	4.56427	6.11E+00	6.42E+00	6.99E+00
5436	488330.41	3858091.34	5.07856	6.80E+00	7.15E+00	7.78E+00
5437	488470.87	3858174.45	5.53432	7.41E+00	7.79E+00	8.47E+00
5438	488568.9	3858262.31	5.97618	8.00E+00	8.41E+00	9.15E+00
5439	488964.27	3858025.71	3.97566	5.32E+00	5.59E+00	6.09E+00
5440	489147.25	3857956.64	3.49673	4.68E+00	4.92E+00	5.35E+00
5441	489343.52	3857932.45	3.10305	4.15E+00	4.37E+00	4.75E+00
5442	489866.19	3857923.19	2.53918	3.40E+00	3.57E+00	3.89E+00
5443	489955.65	3857902.27	2.44524	3.27E+00	3.44E+00	3.74E+00
5444	490079.44	3857847.9	2.40583	3.22E+00	3.39E+00	3.68E+00
5445	490108.49	3857934.13	2.40792	3.22E+00	3.39E+00	3.69E+00
5446	489884.48	3858014.17	2.68671	3.60E+00	3.78E+00	4.11E+00
5447	489326.56	3858025.86	3.3379	4.47E+00	4.70E+00	5.11E+00
5448	489130.38	3858056.71	3.74595	5.01E+00	5.27E+00	5.74E+00
5449	488936.49	3858143.93	4.45364	5.96E+00	6.27E+00	6.82E+00
5450	488638.08	3858327.45	6.36812	8.52E+00	8.96E+00	9.75E+00
5451	488663.79	3858349.57	6.52871	8.74E+00	9.19E+00	1.00E+01
5452	488694.56	3858349.5	6.37682	8.53E+00	8.97E+00	9.76E+00
5453	488694.35	3858336.75	6.24552	8.36E+00	8.79E+00	9.56E+00
5454	488712.81	3858336.38	6.16323	8.25E+00	8.67E+00	9.44E+00
5455	488713.23	3858367.46	6.46821	8.66E+00	9.10E+00	9.90E+00
5456	488704.63	3858384.05	6.78229	9.08E+00	9.54E+00	1.04E+01
5457	488604.15	3858488.29	8.97782	1.20E+01	1.26E+01	1.37E+01
5458	488605.66	3858550.47	10.72947	1.44E+01	1.51E+01	1.64E+01
5459	488692.68	3858548.71	9.20238	1.23E+01	1.29E+01	1.41E+01
5460	488759.93	3858461.81	7.2955	9.76E+00	1.03E+01	1.12E+01
5461	488816.57	3858541.79	7.44129	9.96E+00	1.05E+01	1.14E+01
5462	488944.63	3858656.77	8.2554	1.10E+01	1.16E+01	1.26E+01
5463	489134.91	3858830.7	10.09229	1.35E+01	1.42E+01	1.55E+01
5464	489193.99	3858886.05	11.10773	1.49E+01	1.56E+01	1.70E+01
5465	489295.2	3858954.34	11.77925	1.58E+01	1.66E+01	1.80E+01
5466	489295.64	3858992.74	13.45602	1.80E+01	1.89E+01	2.06E+01
5467	489183.74	3858911.72	12.2422	1.64E+01	1.72E+01	1.87E+01
5468	488873.37	3858625.59	8.12587	1.09E+01	1.14E+01	1.24E+01
5469	488842.84	3858658.69	10.32408	1.38E+01	1.45E+01	1.58E+01
5470	488856.39	3858670.93	10.46608	1.40E+01	1.47E+01	1.60E+01
5471	488805.7	3858724.5	13.85107	1.85E+01	1.95E+01	2.12E+01
5472	488805.87	3858804.16	22.42672	3.00E+01	3.16E+01	3.43E+01
5473	488995.78	3858936.96	26.4254	3.54E+01	3.72E+01	4.05E+01
5474	489130.76	3859017.38	26.08453	3.49E+01	3.67E+01	3.99E+01
5475	489130.92	3859052.24	36.41535	4.87E+01	5.12E+01	5.58E+01
5476	489200.33	3859090.6	38.05828	5.09E+01	5.36E+01	5.83E+01
5477	489296.07	3859143.7	37.34948	5.00E+01	5.26E+01	5.72E+01

5478	489296.43	3858954.74	11.76724	1.57E+01	1.66E+01	1.80E+01
5479	489410.33	3859033.19	12.48546	1.67E+01	1.76E+01	1.91E+01
5480	489371.37	3859089.8	17.2468	2.31E+01	2.43E+01	2.64E+01
5481	489390.52	3859102.82	17.53088	2.35E+01	2.47E+01	2.68E+01
5482	489382.3	3859114.53	19.40601	2.60E+01	2.73E+01	2.97E+01
5483	489363.04	3859102.45	19.1401	2.56E+01	2.69E+01	2.93E+01
5484	489337.52	3859140.71	27.7082	3.71E+01	3.90E+01	4.24E+01
5485	489375.14	3859164.55	28.68307	3.84E+01	4.04E+01	4.39E+01
5486	489409.3	3859114.5	17.6945	2.37E+01	2.49E+01	2.71E+01
5487	489434.87	3859131.81	18.0666	2.42E+01	2.54E+01	2.77E+01
5488	489471.87	3859075.75	12.78398	1.71E+01	1.80E+01	1.96E+01
5489	489602.62	3859164.69	13.77787	1.84E+01	1.94E+01	2.11E+01
5490	489558.29	3859232.45	22.63494	3.03E+01	3.18E+01	3.47E+01
5491	489620.11	3859273.56	24.04369	3.22E+01	3.38E+01	3.68E+01
5492	489666.06	3859206.42	14.38192	1.92E+01	2.02E+01	2.20E+01
5493	489787.9	3859285.65	15.61525	2.09E+01	2.20E+01	2.39E+01
5494	489752.17	3859343.13	24.38821	3.26E+01	3.43E+01	3.73E+01
5495	489814.94	3859385.33	26.31952	3.52E+01	3.70E+01	4.03E+01
5496	489853.42	3859330.74	16.61493	2.22E+01	2.34E+01	2.54E+01
5497	489969.5	3859401.91	18.25844	2.44E+01	2.57E+01	2.80E+01
5498	490166.91	3859486.96	17.8741	2.39E+01	2.51E+01	2.74E+01
5499	490128.86	3859571.46	36.4642	4.88E+01	5.13E+01	5.58E+01
5500	490186.65	3859593.65	35.57549	4.76E+01	5.01E+01	5.45E+01
5501	490223.74	3859517.48	18.44385	2.47E+01	2.60E+01	2.82E+01
5502	490846.34	3859817.22	25.68702	3.44E+01	3.61E+01	3.93E+01
5503	490925.65	3859844.59	24.80935	3.32E+01	3.49E+01	3.80E+01
5504	491159.29	3859896.28	18.4038	2.46E+01	2.59E+01	2.82E+01
5505	491370.69	3859960.89	16.11641	2.16E+01	2.27E+01	2.47E+01
5506	491330.28	3860063.17	26.64181	3.57E+01	3.75E+01	4.08E+01
5507	491636.45	3860180.75	18.51606	2.48E+01	2.61E+01	2.84E+01
5508	491617.94	3860203.93	20.85038	2.79E+01	2.93E+01	3.19E+01
5509	491805.68	3860271.59	16.76271	2.24E+01	2.36E+01	2.57E+01
5510	491654.23	3860414.02	40.95307	5.48E+01	5.76E+01	6.27E+01
5511	491592.62	3860510.76	13.78221	1.84E+01	1.94E+01	2.11E+01
5512	491475.41	3860368.93	18.1971	2.44E+01	2.56E+01	2.79E+01
5513	491445.61	3860337.28	19.47909	2.61E+01	2.74E+01	2.98E+01
5514	491399.05	3860300.37	20.06514	2.69E+01	2.82E+01	3.07E+01
5515	491228.84	3860235.98	13.87195	1.86E+01	1.95E+01	2.12E+01
5516	491228.47	3860174.57	20.28778	2.72E+01	2.85E+01	3.11E+01
5517	491145.77	3860112.55	22.86794	3.06E+01	3.22E+01	3.50E+01
5518	490844.41	3859966.22	24.72138	3.31E+01	3.48E+01	3.79E+01
5519	490845.55	3859928.15	36.77949	4.92E+01	5.18E+01	5.63E+01
5520	490046.91	3859625.6	28.80715	3.86E+01	4.05E+01	4.41E+01
5521	489970.48	3859589.4	29.68084	3.97E+01	4.18E+01	4.54E+01
5522	489865.89	3859529.06	32.3117	4.32E+01	4.55E+01	4.95E+01
5523	489826.89	3859531.74	27.18107	3.64E+01	3.82E+01	4.16E+01
5524	489410.47	3859303.06	25.07385	3.36E+01	3.53E+01	3.84E+01
5525	489407.15	3859286.09	27.91838	3.74E+01	3.93E+01	4.27E+01
5526	488806.07	3858963.62	20.96849	2.81E+01	2.95E+01	3.21E+01
5527	488817.64	3859546.3	5.9747	8.00E+00	8.41E+00	9.15E+00
5528	489187.25	3859549.52	7.96638	1.07E+01	1.12E+01	1.22E+01
5529	489187.66	3859523.74	8.44139	1.13E+01	1.19E+01	1.29E+01
5530	489232.59	3859522.85	8.9364	1.20E+01	1.26E+01	1.37E+01
5531	489224.98	3859759.91	6.03241	8.07E+00	8.49E+00	9.24E+00
5532	488401.39	3859763.34	3.86701	5.18E+00	5.44E+00	5.92E+00
5533	488405.51	3859966.16	3.26777	4.37E+00	4.60E+00	5.00E+00
5534	489202.85	3859956.57	4.61532	6.18E+00	6.49E+00	7.07E+00
5535	489191.9	3860676.74	2.45205	3.28E+00	3.45E+00	3.75E+00
5536	488392.82	3860687.88	2.23394	2.99E+00	3.14E+00	3.42E+00
5537	488392.82	3860760.27	2.17542	2.91E+00	3.06E+00	3.33E+00
5538	487549.05	3860777.45	1.88026	2.52E+00	2.65E+00	2.88E+00
5539	487554.62	3859571.83	3.2584	4.36E+00	4.58E+00	4.99E+00
5540	485949.46	3859558.54	2.0989	2.81E+00	2.95E+00	3.21E+00

5541	485947.55	3857943.61	2.8645	3.83E+00	4.03E+00	4.39E+00
5542	484738.38	3857940.21	2.06394	2.76E+00	2.90E+00	3.16E+00
5543	484737.06	3857535.68	2.0823	2.79E+00	2.93E+00	3.19E+00
5544	483730.2	3857530.13	1.72631	2.31E+00	2.43E+00	2.64E+00
5545	483727.27	3857130.01	1.72817	2.31E+00	2.43E+00	2.65E+00
5546	483124.42	3857123.45	1.59075	2.13E+00	2.24E+00	2.44E+00
5547	483111.13	3855921.03	2.02455	2.71E+00	2.85E+00	3.10E+00
5548	482701.73	3855918.24	1.79633	2.40E+00	2.53E+00	2.75E+00
5549	482668.02	3853521.78	8.78478	1.18E+01	1.24E+01	1.35E+01
5550	482579.91	3853219.19	12.98103	1.74E+01	1.83E+01	1.99E+01
5551	482434.06	3852961.94	19.7632	2.65E+01	2.78E+01	3.03E+01
5552	482332.11	3852832.85	22.64102	3.03E+01	3.19E+01	3.47E+01
5553	481334.99	3851818.96	18.97792	2.54E+01	2.67E+01	2.91E+01
5554	481127.62	3851646.36	21.51314	2.88E+01	3.03E+01	3.29E+01
5555	481025.04	3851591.73	21.03422	2.82E+01	2.96E+01	3.22E+01
5556	480513.6	3851335.76	21.07077	2.82E+01	2.96E+01	3.23E+01
5557	480523.56	3851317.66	24.97752	3.34E+01	3.51E+01	3.82E+01
5558	476921.56	3849569.11	23.74744	3.18E+01	3.34E+01	3.64E+01
5559	476521.19	3849373.96	26.55299	3.55E+01	3.74E+01	4.07E+01
5560	476391.45	3849333.38	26.70681	3.57E+01	3.76E+01	4.09E+01
5561	476219.41	3849304.29	25.85858	3.46E+01	3.64E+01	3.96E+01
5562	475679.11	3849218.47	28.99904	3.88E+01	4.08E+01	4.44E+01
5563	475677.71	3849233.88	26.13741	3.50E+01	3.68E+01	4.00E+01
5564	475492.74	3849204.66	26.98677	3.61E+01	3.80E+01	4.13E+01
5565	475497.64	3849158.75	40.45051	5.41E+01	5.69E+01	6.19E+01
5566	475391.35	3849141.94	34.63314	4.64E+01	4.87E+01	5.30E+01
5567	475277	3849095.47	32.44093	4.34E+01	4.56E+01	4.97E+01
5568	475183.93	3849025.66	38.3923	5.14E+01	5.40E+01	5.88E+01
5569	474453.23	3848378.77	33.48028	4.48E+01	4.71E+01	5.13E+01
5570	474569.63	3848399.34	36.74888	4.92E+01	5.17E+01	5.63E+01
5571	474644.33	3848464.52	35.95287	4.81E+01	5.06E+01	5.51E+01
5572	474719.04	3848529.7	36.07276	4.83E+01	5.08E+01	5.52E+01
5573	474793.74	3848594.88	35.95704	4.81E+01	5.06E+01	5.51E+01
5574	474868.45	3848660.07	35.8731	4.80E+01	5.05E+01	5.49E+01
5575	474943.15	3848725.25	35.16198	4.71E+01	4.95E+01	5.38E+01
5576	475017.86	3848790.43	35.32365	4.73E+01	4.97E+01	5.41E+01
5577	475092.56	3848855.61	35.24568	4.72E+01	4.96E+01	5.40E+01
5578	475232.58	3848959.38	29.99789	4.01E+01	4.22E+01	4.59E+01
5579	475368.47	3849029.98	28.90306	3.87E+01	4.07E+01	4.43E+01
5580	475609.57	3849096.09	26.16153	3.50E+01	3.68E+01	4.01E+01
5581	475680.68	3849116.62	32.49501	4.35E+01	4.57E+01	4.98E+01
5582	475843.76	3849151.52	37.23909	4.98E+01	5.24E+01	5.70E+01
5583	475935.73	3849165.89	39.36718	5.27E+01	5.54E+01	6.03E+01
5584	476027.71	3849180.27	37.49812	5.02E+01	5.28E+01	5.74E+01
5585	476119.68	3849194.64	41.10583	5.50E+01	5.78E+01	6.29E+01
5586	476211.65	3849209.01	43.67173	5.85E+01	6.14E+01	6.69E+01
5587	476497.8	3849283.9	50.243	6.72E+01	7.07E+01	7.69E+01
5588	476603.73	3849323.77	52.13303	6.98E+01	7.34E+01	7.98E+01
5589	476728.99	3849382.76	51.55113	6.90E+01	7.25E+01	7.89E+01
5590	476801.27	3849418.65	51.02775	6.83E+01	7.18E+01	7.81E+01
5591	476956.2	3849495.05	52.54236	7.03E+01	7.39E+01	8.05E+01
5592	477038.84	3849535.56	51.84015	6.94E+01	7.29E+01	7.94E+01
5593	477121.48	3849576.08	52.33525	7.00E+01	7.36E+01	8.01E+01
5594	477204.13	3849616.6	53.16194	7.12E+01	7.48E+01	8.14E+01
5595	477286.78	3849657.12	52.92229	7.08E+01	7.45E+01	8.10E+01
5596	477369.42	3849697.63	53.16374	7.12E+01	7.48E+01	8.14E+01
5597	477452.07	3849738.15	54.16004	7.25E+01	7.62E+01	8.29E+01
5598	477534.71	3849778.67	53.2398	7.13E+01	7.49E+01	8.15E+01
5599	477617.35	3849819.18	53.94544	7.22E+01	7.59E+01	8.26E+01
5600	477824.74	3849896.37	43.86197	5.87E+01	6.17E+01	6.72E+01
5601	477906.31	3849936.37	46.61555	6.24E+01	6.56E+01	7.14E+01
5602	477987.89	3849976.36	46.24159	6.19E+01	6.51E+01	7.08E+01
5603	478069.47	3850016.36	47.49411	6.36E+01	6.68E+01	7.27E+01

5604	478151.04	3850056.35	47.08612	6.30E+01	6.63E+01	7.21E+01
5605	478232.62	3850096.35	47.34862	6.34E+01	6.66E+01	7.25E+01
5606	478314.2	3850136.34	47.53966	6.36E+01	6.69E+01	7.28E+01
5607	478395.77	3850176.34	47.523	6.36E+01	6.69E+01	7.28E+01
5608	478575.43	3850244.45	38.19676	5.11E+01	5.37E+01	5.85E+01
5609	478665.06	3850287.29	37.66967	5.04E+01	5.30E+01	5.77E+01
5610	478754.69	3850330.14	37.22907	4.98E+01	5.24E+01	5.70E+01
5611	478844.32	3850372.99	36.45736	4.88E+01	5.13E+01	5.58E+01
5612	478933.95	3850415.84	35.61051	4.77E+01	5.01E+01	5.45E+01
5613	479023.58	3850458.68	36.06966	4.83E+01	5.08E+01	5.52E+01
5614	479110.66	3850441.9	23.26512	3.11E+01	3.27E+01	3.56E+01
5615	479191.22	3850423.99	18.5833	2.49E+01	2.61E+01	2.85E+01
5616	479274.32	3850465.71	18.77492	2.51E+01	2.64E+01	2.87E+01
5617	479357.43	3850507.42	19.22754	2.57E+01	2.71E+01	2.94E+01
5618	479440.53	3850549.14	19.50763	2.61E+01	2.74E+01	2.99E+01
5619	479523.64	3850590.85	19.72935	2.64E+01	2.78E+01	3.02E+01
5620	479606.74	3850632.57	19.90033	2.66E+01	2.80E+01	3.05E+01
5621	479777.37	3850707.61	19.0038	2.54E+01	2.67E+01	2.91E+01
5622	479864.9	3850740.95	18.38672	2.46E+01	2.59E+01	2.82E+01
5623	479931.87	3850829.56	23.63006	3.16E+01	3.32E+01	3.62E+01
5624	479995.55	3850926.75	36.36604	4.87E+01	5.12E+01	5.57E+01
5625	480079.78	3850968.64	36.08543	4.83E+01	5.08E+01	5.53E+01
5626	480164.01	3851010.54	35.93183	4.81E+01	5.06E+01	5.50E+01
5627	480248.23	3851052.43	35.60725	4.77E+01	5.01E+01	5.45E+01
5628	480332.46	3851094.33	36.19748	4.84E+01	5.09E+01	5.54E+01
5629	480416.69	3851136.22	37.68655	5.04E+01	5.30E+01	5.77E+01
5630	480579.95	3851215.17	38.01544	5.09E+01	5.35E+01	5.82E+01
5631	480658.98	3851252.22	37.68898	5.04E+01	5.30E+01	5.77E+01
5632	480817.36	3851327.85	37.46328	5.01E+01	5.27E+01	5.74E+01
5633	480896.72	3851366.42	38.23874	5.12E+01	5.38E+01	5.86E+01
5634	480976.07	3851405	39.58818	5.30E+01	5.57E+01	6.06E+01
5635	481178	3851487.31	32.2777	4.32E+01	4.54E+01	4.94E+01
5636	481244.9	3851557.17	39.15006	5.24E+01	5.51E+01	5.99E+01
5637	481311.81	3851627.03	43.95809	5.88E+01	6.19E+01	6.73E+01
5638	481378.71	3851696.89	47.21929	6.32E+01	6.64E+01	7.23E+01
5639	481445.61	3851766.76	45.45333	6.08E+01	6.40E+01	6.96E+01
5640	481512.51	3851836.62	44.31296	5.93E+01	6.24E+01	6.79E+01
5641	481579.42	3851906.48	42.83251	5.73E+01	6.03E+01	6.56E+01
5642	481646.32	3851976.34	41.30713	5.53E+01	5.81E+01	6.32E+01
5643	481713.22	3852046.2	40.45258	5.41E+01	5.69E+01	6.19E+01
5644	481780.12	3852116.06	39.71798	5.32E+01	5.59E+01	6.08E+01
5645	481847.03	3852185.92	39.03067	5.22E+01	5.49E+01	5.98E+01
5646	481913.93	3852255.78	38.15494	5.11E+01	5.37E+01	5.84E+01
5647	481980.83	3852325.65	37.12095	4.97E+01	5.22E+01	5.68E+01
5648	482047.73	3852395.51	37.48994	5.02E+01	5.28E+01	5.74E+01
5649	482114.64	3852465.37	36.72831	4.92E+01	5.17E+01	5.62E+01
5650	482181.54	3852535.23	37.87785	5.07E+01	5.33E+01	5.80E+01
5651	482338.69	3852700.04	37.94804	5.08E+01	5.34E+01	5.81E+01
5652	482404.05	3852767.78	38.10588	5.10E+01	5.36E+01	5.83E+01
5653	482469.4	3852835.52	38.01264	5.09E+01	5.35E+01	5.82E+01
5654	482534.75	3852903.25	38.65219	5.17E+01	5.44E+01	5.92E+01
5655	482600.11	3852970.98	37.36506	5.00E+01	5.26E+01	5.72E+01
5656	482706.71	3853119.28	40.33645	5.40E+01	5.68E+01	6.18E+01
5657	482747.96	3853199.84	40.20239	5.38E+01	5.66E+01	6.16E+01
5658	482789.21	3853280.4	39.37527	5.27E+01	5.54E+01	6.03E+01
5659	482830.46	3853360.96	35.82532	4.79E+01	5.04E+01	5.49E+01
5660	482871.71	3853441.52	31.24297	4.18E+01	4.40E+01	4.78E+01
5661	482912.95	3853522.07	27.76435	3.72E+01	3.91E+01	4.25E+01
5662	482954.2	3853602.63	23.26429	3.11E+01	3.27E+01	3.56E+01
5663	482995.45	3853683.19	19.47537	2.61E+01	2.74E+01	2.98E+01
5664	483036.7	3853763.75	16.35505	2.19E+01	2.30E+01	2.50E+01
5665	483214.2	3853909.91	13.31354	1.78E+01	1.87E+01	2.04E+01
5666	483307.01	3853910.44	13.46703	1.80E+01	1.89E+01	2.06E+01

5667	483399.83	3853910.96	12.09737	1.62E+01	1.70E+01	1.85E+01
5668	483494.52	3854009.24	10.92602	1.46E+01	1.54E+01	1.67E+01
5669	483496.41	3854106.98	10.83554	1.45E+01	1.52E+01	1.66E+01
5670	483577.56	3854261.96	9.22222	1.23E+01	1.30E+01	1.41E+01
5671	483656.83	3854319.19	8.84378	1.18E+01	1.24E+01	1.35E+01
5672	483736.1	3854376.41	8.23777	1.10E+01	1.16E+01	1.26E+01
5673	483815.36	3854433.64	7.39506	9.90E+00	1.04E+01	1.13E+01
5674	483894.63	3854490.87	6.55832	8.78E+00	9.23E+00	1.00E+01
5675	483973.9	3854548.1	5.73681	7.68E+00	8.07E+00	8.78E+00
5676	484053.17	3854605.32	5.35131	7.16E+00	7.53E+00	8.19E+00
5677	484214.97	3854698.15	5.2654	7.05E+00	7.41E+00	8.06E+00
5678	484297.5	3854733.74	5.56126	7.44E+00	7.83E+00	8.52E+00
5679	484380.03	3854769.34	5.63122	7.54E+00	7.92E+00	8.62E+00
5680	484462.56	3854804.94	5.74167	7.68E+00	8.08E+00	8.79E+00
5681	484545.09	3854840.53	5.72222	7.66E+00	8.05E+00	8.76E+00
5682	484691.88	3854912.58	5.5756	7.46E+00	7.85E+00	8.54E+00
5683	484830.81	3855012.51	5.4966	7.36E+00	7.73E+00	8.42E+00
5684	484905.48	3855075.97	5.52193	7.39E+00	7.77E+00	8.46E+00
5685	484980.14	3855139.44	5.42954	7.27E+00	7.64E+00	8.31E+00
5686	485054.81	3855202.91	5.29707	7.09E+00	7.45E+00	8.11E+00
5687	485129.48	3855266.37	5.16154	6.91E+00	7.26E+00	7.90E+00
5688	485204.15	3855329.84	5.06232	6.78E+00	7.12E+00	7.75E+00
5689	485278.82	3855393.31	4.963	6.64E+00	6.98E+00	7.60E+00
5690	485353.48	3855456.77	4.82916	6.46E+00	6.79E+00	7.39E+00
5691	485428.15	3855520.24	4.71508	6.31E+00	6.63E+00	7.22E+00
5692	485502.82	3855583.71	4.59957	6.16E+00	6.47E+00	7.04E+00
5693	485577.49	3855647.17	4.47919	6.00E+00	6.30E+00	6.86E+00
5694	485652.16	3855710.64	4.33633	5.80E+00	6.10E+00	6.64E+00
5695	485726.83	3855774.1	4.21611	5.64E+00	5.93E+00	6.46E+00
5696	485801.49	3855837.57	4.13691	5.54E+00	5.82E+00	6.33E+00
5697	485876.16	3855901.04	4.03256	5.40E+00	5.67E+00	6.17E+00
5698	485950.83	3855964.5	3.94574	5.28E+00	5.55E+00	6.04E+00
5699	486025.5	3856027.97	3.88119	5.19E+00	5.46E+00	5.94E+00
5700	486100.17	3856091.44	3.76362	5.04E+00	5.30E+00	5.76E+00
5701	486174.83	3856154.9	3.72808	4.99E+00	5.25E+00	5.71E+00
5702	486249.5	3856218.37	3.71632	4.97E+00	5.23E+00	5.69E+00
5703	486324.17	3856281.84	3.6915	4.94E+00	5.19E+00	5.65E+00
5704	486398.84	3856345.3	3.61615	4.84E+00	5.09E+00	5.54E+00
5705	486473.51	3856408.77	3.55135	4.75E+00	5.00E+00	5.44E+00
5706	486548.17	3856472.24	3.4606	4.63E+00	4.87E+00	5.30E+00
5707	486622.84	3856535.7	3.39128	4.54E+00	4.77E+00	5.19E+00
5708	486765.48	3856659.69	3.3572	4.49E+00	4.72E+00	5.14E+00
5709	486833.44	3856720.2	3.32628	4.45E+00	4.68E+00	5.09E+00
5710	486901.41	3856780.72	3.27447	4.38E+00	4.61E+00	5.01E+00
5711	486969.38	3856841.24	3.19418	4.28E+00	4.49E+00	4.89E+00
5712	487037.34	3856901.75	3.17254	4.25E+00	4.46E+00	4.86E+00
5713	487271.23	3856855.51	3.23611	4.33E+00	4.55E+00	4.96E+00
5714	487368.96	3856857.29	3.22283	4.31E+00	4.53E+00	4.93E+00
5715	487466.68	3856859.06	3.1889	4.27E+00	4.49E+00	4.88E+00
5716	487636.44	3856930	3.05095	4.08E+00	4.29E+00	4.67E+00
5717	487709.57	3856928.43	2.97411	3.98E+00	4.18E+00	4.55E+00
5718	487782.54	3856841.96	2.91767	3.91E+00	4.11E+00	4.47E+00
5719	487849.83	3856754.74	2.98108	3.99E+00	4.19E+00	4.56E+00
5720	487918.03	3856819.39	3.01658	4.04E+00	4.24E+00	4.62E+00
5721	487918.8	3856886.37	2.97626	3.98E+00	4.19E+00	4.56E+00
5722	488065.47	3857127.5	3.02908	4.05E+00	4.26E+00	4.64E+00
5723	488192.19	3857385.83	3.22964	4.32E+00	4.54E+00	4.95E+00
5724	488191.22	3857473.87	3.54042	4.74E+00	4.98E+00	5.42E+00
5725	488190.24	3857561.9	3.64029	4.87E+00	5.12E+00	5.57E+00
5726	488158.35	3857691.13	3.91907	5.25E+00	5.51E+00	6.00E+00
5727	488208.37	3857816.66	4.31943	5.78E+00	6.08E+00	6.61E+00
5728	488271.97	3857874.6	4.47037	5.98E+00	6.29E+00	6.84E+00
5729	488463.56	3857942.31	4.5201	6.05E+00	6.36E+00	6.92E+00

5730	488554.83	3857940.83	4.26567	5.71E+00	6.00E+00	6.53E+00
5731	488646.1	3857939.36	4.14502	5.55E+00	5.83E+00	6.35E+00
5732	488737.37	3857937.88	4.03471	5.40E+00	5.68E+00	6.18E+00
5733	488733.59	3857960.57	4.08773	5.47E+00	5.75E+00	6.26E+00
5734	488638.09	3857961.57	4.2252	5.66E+00	5.95E+00	6.47E+00
5735	488542.6	3857962.56	4.43653	5.94E+00	6.24E+00	6.79E+00
5736	488447.1	3857963.56	4.57382	6.12E+00	6.44E+00	7.00E+00
5737	488254.28	3857890.36	4.51552	6.04E+00	6.35E+00	6.91E+00
5738	488191.69	3857833.06	4.38232	5.87E+00	6.17E+00	6.71E+00
5739	488129.5	3857907.43	4.84971	6.49E+00	6.82E+00	7.43E+00
5740	488196.47	3857968.73	5.00485	6.70E+00	7.04E+00	7.66E+00
5741	488263.44	3858030.04	4.95407	6.63E+00	6.97E+00	7.59E+00
5742	488400.64	3858132.9	5.40892	7.24E+00	7.61E+00	8.28E+00
5743	488519.89	3858218.38	5.76764	7.72E+00	8.12E+00	8.83E+00
5744	488647.97	3858214.99	5.54454	7.42E+00	7.80E+00	8.49E+00
5745	488727.05	3858167.67	5.06506	6.78E+00	7.13E+00	7.76E+00
5746	488806.12	3858120.35	4.55813	6.10E+00	6.41E+00	6.98E+00
5747	488885.2	3858073.03	4.26733	5.71E+00	6.00E+00	6.53E+00
5748	489055.76	3857991.17	3.65586	4.89E+00	5.14E+00	5.60E+00
5749	489245.39	3857944.54	3.25211	4.35E+00	4.58E+00	4.98E+00
5750	489430.63	3857930.91	3.05952	4.09E+00	4.30E+00	4.68E+00
5751	489517.74	3857929.36	2.99882	4.01E+00	4.22E+00	4.59E+00
5752	489604.85	3857927.82	2.82221	3.78E+00	3.97E+00	4.32E+00
5753	489691.97	3857926.28	2.70018	3.61E+00	3.80E+00	4.13E+00
5754	489779.08	3857924.73	2.64826	3.54E+00	3.73E+00	4.05E+00
5755	490017.54	3857875.08	2.417	3.23E+00	3.40E+00	3.70E+00
5756	490033.82	3857960.81	2.48036	3.32E+00	3.49E+00	3.80E+00
5757	489959.15	3857987.49	2.59137	3.47E+00	3.65E+00	3.97E+00
5758	489791.49	3858016.12	2.76298	3.70E+00	3.89E+00	4.23E+00
5759	489698.51	3858018.07	2.87024	3.84E+00	4.04E+00	4.39E+00
5760	489605.52	3858020.02	3.02788	4.05E+00	4.26E+00	4.64E+00
5761	489512.53	3858021.96	3.17219	4.25E+00	4.46E+00	4.86E+00
5762	489419.55	3858023.91	3.24303	4.34E+00	4.56E+00	4.97E+00
5763	489228.47	3858041.29	3.61779	4.84E+00	5.09E+00	5.54E+00
5764	489065.75	3858085.78	3.96533	5.31E+00	5.58E+00	6.07E+00
5765	489001.12	3858114.86	4.19849	5.62E+00	5.91E+00	6.43E+00
5766	488861.89	3858189.81	4.72557	6.32E+00	6.65E+00	7.24E+00
5767	488787.28	3858235.69	5.22047	6.99E+00	7.35E+00	7.99E+00
5768	488712.68	3858281.57	5.79793	7.76E+00	8.16E+00	8.88E+00
5769	488654.39	3858436.17	7.27214	9.73E+00	1.02E+01	1.11E+01
5770	488726.3	3858505.26	8.01042	1.07E+01	1.13E+01	1.23E+01
5771	488880.6	3858599.28	7.89356	1.06E+01	1.11E+01	1.21E+01
5772	489008.06	3858714.75	8.69855	1.16E+01	1.22E+01	1.33E+01
5773	489071.48	3858772.72	9.29461	1.24E+01	1.31E+01	1.42E+01
5774	489244.59	3858920.19	11.51569	1.54E+01	1.62E+01	1.76E+01
5775	489239.69	3858952.23	12.75223	1.71E+01	1.79E+01	1.95E+01
5776	489121.67	3858854.49	11.00983	1.47E+01	1.55E+01	1.69E+01
5777	489059.59	3858797.27	10.21884	1.37E+01	1.44E+01	1.56E+01
5778	488997.52	3858740.04	9.45349	1.27E+01	1.33E+01	1.45E+01
5779	488935.44	3858682.82	8.66295	1.16E+01	1.22E+01	1.33E+01
5780	488869.17	3858848.43	24.29404	3.25E+01	3.42E+01	3.72E+01
5781	488932.48	3858892.69	25.14801	3.37E+01	3.54E+01	3.85E+01
5782	489063.27	3858977.17	25.91701	3.47E+01	3.65E+01	3.97E+01
5783	489248.2	3859117.15	37.5186	5.02E+01	5.28E+01	5.74E+01
5784	489296.25	3859049.22	17.17961	2.30E+01	2.42E+01	2.63E+01
5785	489353.38	3858993.96	12.19836	1.63E+01	1.72E+01	1.87E+01
5786	489537.24	3859120.22	13.15991	1.76E+01	1.85E+01	2.02E+01
5787	489726.98	3859246.04	14.9521	2.00E+01	2.10E+01	2.29E+01
5788	489911.46	3859366.33	17.257	2.31E+01	2.43E+01	2.64E+01
5789	490035.3	3859430.26	18.06193	2.42E+01	2.54E+01	2.77E+01
5790	490101.11	3859458.61	17.77307	2.38E+01	2.50E+01	2.72E+01
5791	490312.68	3859560.3	19.11474	2.56E+01	2.69E+01	2.93E+01
5792	490401.63	3859603.12	19.92489	2.67E+01	2.80E+01	3.05E+01

5793	490490.57	3859645.94	20.56026	2.75E+01	2.89E+01	3.15E+01
5794	490579.51	3859688.76	21.30094	2.85E+01	3.00E+01	3.26E+01
5795	490668.45	3859731.58	22.938	3.07E+01	3.23E+01	3.51E+01
5796	490757.4	3859774.4	24.31668	3.25E+01	3.42E+01	3.72E+01
5797	491003.53	3859861.82	22.04521	2.95E+01	3.10E+01	3.38E+01
5798	491081.41	3859879.05	19.88967	2.66E+01	2.80E+01	3.05E+01
5799	491229.76	3859917.82	17.96532	2.40E+01	2.53E+01	2.75E+01
5800	491300.22	3859939.35	17.20856	2.30E+01	2.42E+01	2.63E+01
5801	491350.48	3860012.03	20.58619	2.76E+01	2.90E+01	3.15E+01
5802	491406.82	3860092.56	23.8707	3.19E+01	3.36E+01	3.66E+01
5803	491483.36	3860121.96	21.76858	2.91E+01	3.06E+01	3.33E+01
5804	491559.91	3860151.35	19.83333	2.65E+01	2.79E+01	3.04E+01
5805	491711.81	3860237.76	18.44223	2.47E+01	2.59E+01	2.82E+01
5806	491755.2	3860319.07	19.76458	2.65E+01	2.78E+01	3.03E+01
5807	491704.71	3860366.54	27.04271	3.62E+01	3.81E+01	4.14E+01
5808	491623.42	3860462.39	22.81868	3.05E+01	3.21E+01	3.49E+01
5809	491534.02	3860439.85	15.41199	2.06E+01	2.17E+01	2.36E+01
5810	491313.95	3860268.17	15.32222	2.05E+01	2.16E+01	2.35E+01
5811	491187.12	3860143.56	21.8071	2.92E+01	3.07E+01	3.34E+01
5812	491070.43	3860075.97	22.19256	2.97E+01	3.12E+01	3.40E+01
5813	490995.09	3860039.38	21.89226	2.93E+01	3.08E+01	3.35E+01
5814	490919.75	3860002.8	22.41652	3.00E+01	3.15E+01	3.43E+01
5815	490756.81	3859894.53	36.56709	4.89E+01	5.15E+01	5.60E+01
5816	490668.07	3859860.92	35.42358	4.74E+01	4.98E+01	5.42E+01
5817	490579.34	3859827.3	35.26262	4.72E+01	4.96E+01	5.40E+01
5818	490490.6	3859793.68	33.61263	4.50E+01	4.73E+01	5.15E+01
5819	490401.86	3859760.07	32.24285	4.32E+01	4.54E+01	4.94E+01
5820	490313.12	3859726.45	31.93848	4.27E+01	4.49E+01	4.89E+01
5821	490224.39	3859692.83	31.23982	4.18E+01	4.40E+01	4.78E+01
5822	490135.65	3859659.22	30.68775	4.11E+01	4.32E+01	4.70E+01
5823	489918.18	3859559.23	31.80481	4.26E+01	4.48E+01	4.87E+01
5824	489743.61	3859486	26.52569	3.55E+01	3.73E+01	4.06E+01
5825	489660.32	3859440.27	26.3824	3.53E+01	3.71E+01	4.04E+01
5826	489577.04	3859394.53	25.71761	3.44E+01	3.62E+01	3.94E+01
5827	489493.75	3859348.8	25.4272	3.40E+01	3.58E+01	3.89E+01
5828	489321.28	3859240.02	27.21169	3.64E+01	3.83E+01	4.17E+01
5829	489235.41	3859193.96	27.52012	3.68E+01	3.87E+01	4.21E+01
5830	489149.54	3859147.89	26.31356	3.52E+01	3.70E+01	4.03E+01
5831	489063.68	3859101.82	25.27578	3.38E+01	3.56E+01	3.87E+01
5832	488977.81	3859055.75	24.15643	3.23E+01	3.40E+01	3.70E+01
5833	488891.94	3859009.69	22.0747	2.95E+01	3.11E+01	3.38E+01
5834	488808	3859060.73	14.93338	2.00E+01	2.10E+01	2.29E+01
5835	488809.93	3859157.85	11.75281	1.57E+01	1.65E+01	1.80E+01
5836	488811.85	3859254.96	9.59457	1.28E+01	1.35E+01	1.47E+01
5837	488813.78	3859352.07	8.04459	1.08E+01	1.13E+01	1.23E+01
5838	488815.71	3859449.19	6.9024	9.24E+00	9.71E+00	1.06E+01
5839	488910.04	3859547.1	6.31207	8.45E+00	8.88E+00	9.66E+00
5840	489002.45	3859547.91	6.72362	9.00E+00	9.46E+00	1.03E+01
5841	489094.85	3859548.71	7.2824	9.75E+00	1.02E+01	1.12E+01
5842	489230.05	3859601.87	7.56463	1.01E+01	1.06E+01	1.16E+01
5843	489227.52	3859680.89	6.67584	8.94E+00	9.39E+00	1.02E+01
5844	489133.47	3859760.29	5.69445	7.62E+00	8.01E+00	8.72E+00
5845	489041.96	3859760.67	5.38442	7.21E+00	7.58E+00	8.24E+00
5846	488950.45	3859761.05	5.09749	6.82E+00	7.17E+00	7.81E+00
5847	488858.94	3859761.43	4.84903	6.49E+00	6.82E+00	7.42E+00
5848	488767.43	3859761.82	4.5984	6.15E+00	6.47E+00	7.04E+00
5849	488675.92	3859762.2	4.40649	5.90E+00	6.20E+00	6.75E+00
5850	488584.41	3859762.58	4.20935	5.63E+00	5.92E+00	6.45E+00
5851	488492.9	3859762.96	4.03378	5.40E+00	5.68E+00	6.18E+00
5852	488402.76	3859830.95	3.75702	5.03E+00	5.29E+00	5.75E+00
5853	488404.14	3859898.55	3.45815	4.63E+00	4.87E+00	5.30E+00
5854	488505.18	3859964.96	3.38463	4.53E+00	4.76E+00	5.18E+00
5855	488604.84	3859963.76	3.51883	4.71E+00	4.95E+00	5.39E+00

5856	488704.51	3859962.56	3.66857	4.91E+00	5.16E+00	5.62E+00
5857	488804.18	3859961.37	3.84019	5.14E+00	5.40E+00	5.88E+00
5858	488903.85	3859960.17	4.02062	5.38E+00	5.66E+00	6.16E+00
5859	489003.52	3859958.97	4.2224	5.65E+00	5.94E+00	6.47E+00
5860	489103.18	3859957.77	4.41655	5.91E+00	6.21E+00	6.76E+00
5861	489201.48	3860046.59	4.22597	5.66E+00	5.95E+00	6.47E+00
5862	489200.11	3860136.61	3.91782	5.24E+00	5.51E+00	6.00E+00
5863	489198.74	3860226.63	3.56473	4.77E+00	5.02E+00	5.46E+00
5864	489197.38	3860316.65	3.29744	4.41E+00	4.64E+00	5.05E+00
5865	489196.01	3860406.68	3.05975	4.10E+00	4.31E+00	4.69E+00
5866	489194.64	3860496.7	2.79769	3.74E+00	3.94E+00	4.28E+00
5867	489193.27	3860586.72	2.60804	3.49E+00	3.67E+00	3.99E+00
5868	489092.02	3860678.13	2.40564	3.22E+00	3.38E+00	3.68E+00
5869	488992.13	3860679.52	2.36404	3.16E+00	3.33E+00	3.62E+00
5870	488892.24	3860680.92	2.33672	3.13E+00	3.29E+00	3.58E+00
5871	488792.36	3860682.31	2.29885	3.08E+00	3.23E+00	3.52E+00
5872	488692.47	3860683.7	2.27159	3.04E+00	3.20E+00	3.48E+00
5873	488592.59	3860685.1	2.2275	2.98E+00	3.13E+00	3.41E+00
5874	488492.71	3860686.49	2.22406	2.98E+00	3.13E+00	3.41E+00
5875	488299.07	3860762.18	2.15942	2.89E+00	3.04E+00	3.31E+00
5876	488205.32	3860764.09	2.11336	2.83E+00	2.97E+00	3.24E+00
5877	488111.56	3860766	2.06059	2.76E+00	2.90E+00	3.16E+00
5878	488017.81	3860767.91	2.00376	2.68E+00	2.82E+00	3.07E+00
5879	487924.06	3860769.81	1.9577	2.62E+00	2.75E+00	3.00E+00
5880	487830.31	3860771.72	1.92054	2.57E+00	2.70E+00	2.94E+00
5881	487736.55	3860773.63	1.89326	2.53E+00	2.66E+00	2.90E+00
5882	487642.8	3860775.54	1.88038	2.52E+00	2.65E+00	2.88E+00
5883	487549.48	3860684.71	1.93411	2.59E+00	2.72E+00	2.96E+00
5884	487549.91	3860591.97	1.97645	2.65E+00	2.78E+00	3.03E+00
5885	487550.34	3860499.23	2.06202	2.76E+00	2.90E+00	3.16E+00
5886	487550.76	3860406.49	2.14339	2.87E+00	3.02E+00	3.28E+00
5887	487551.19	3860313.75	2.22587	2.98E+00	3.13E+00	3.41E+00
5888	487551.62	3860221.01	2.27535	3.05E+00	3.20E+00	3.48E+00
5889	487552.05	3860128.27	2.38407	3.19E+00	3.35E+00	3.65E+00
5890	487552.48	3860035.53	2.48235	3.32E+00	3.49E+00	3.80E+00
5891	487552.91	3859942.79	2.5635	3.43E+00	3.61E+00	3.93E+00
5892	487553.33	3859850.05	2.75779	3.69E+00	3.88E+00	4.22E+00
5893	487553.76	3859757.31	2.8885	3.87E+00	4.06E+00	4.42E+00
5894	487554.19	3859664.57	3.01171	4.03E+00	4.24E+00	4.61E+00
5895	487460.2	3859571.05	3.11969	4.18E+00	4.39E+00	4.78E+00
5896	487365.78	3859570.27	3.02531	4.05E+00	4.26E+00	4.63E+00
5897	487271.36	3859569.48	2.94394	3.94E+00	4.14E+00	4.51E+00
5898	487176.94	3859568.7	2.8657	3.84E+00	4.03E+00	4.39E+00
5899	487082.51	3859567.92	2.79442	3.74E+00	3.93E+00	4.28E+00
5900	486988.09	3859567.14	2.72401	3.65E+00	3.83E+00	4.17E+00
5901	486893.67	3859566.36	2.66062	3.56E+00	3.74E+00	4.07E+00
5902	486799.25	3859565.58	2.59993	3.48E+00	3.66E+00	3.98E+00
5903	486704.83	3859564.79	2.53895	3.40E+00	3.57E+00	3.89E+00
5904	486610.41	3859564.01	2.48089	3.32E+00	3.49E+00	3.80E+00
5905	486515.99	3859563.23	2.417	3.23E+00	3.40E+00	3.70E+00
5906	486421.57	3859562.45	2.35979	3.16E+00	3.32E+00	3.61E+00
5907	486327.14	3859561.67	2.30868	3.09E+00	3.25E+00	3.54E+00
5908	486232.72	3859560.89	2.2518	3.01E+00	3.17E+00	3.45E+00
5909	486138.3	3859560.1	2.1991	2.94E+00	3.09E+00	3.37E+00
5910	486043.88	3859559.32	2.14734	2.87E+00	3.02E+00	3.29E+00
5911	485949.35	3859463.54	2.14478	2.87E+00	3.02E+00	3.28E+00
5912	485949.24	3859368.55	2.2149	2.96E+00	3.12E+00	3.39E+00
5913	485949.12	3859273.55	2.24826	3.01E+00	3.16E+00	3.44E+00
5914	485949.01	3859178.56	2.32955	3.12E+00	3.28E+00	3.57E+00
5915	485948.9	3859083.56	2.45432	3.28E+00	3.45E+00	3.76E+00
5916	485948.79	3858988.56	2.59157	3.47E+00	3.65E+00	3.97E+00
5917	485948.67	3858893.57	2.76576	3.70E+00	3.89E+00	4.23E+00
5918	485948.56	3858798.57	2.91542	3.90E+00	4.10E+00	4.46E+00

5919	485948.45	3858703.58	2.90708	3.89E+00	4.09E+00	4.45E+00
5920	485948.34	3858608.58	2.84621	3.81E+00	4.00E+00	4.36E+00
5921	485948.22	3858513.59	3.00977	4.03E+00	4.23E+00	4.61E+00
5922	485948.11	3858418.59	2.98498	4.00E+00	4.20E+00	4.57E+00
5923	485948	3858323.59	2.90031	3.88E+00	4.08E+00	4.44E+00
5924	485947.89	3858228.6	2.77058	3.71E+00	3.90E+00	4.24E+00
5925	485947.77	3858133.6	2.70945	3.63E+00	3.81E+00	4.15E+00
5926	485947.66	3858038.61	2.685	3.59E+00	3.78E+00	4.11E+00
5927	485854.54	3857943.35	2.71004	3.63E+00	3.81E+00	4.15E+00
5928	485761.52	3857943.09	2.57944	3.45E+00	3.63E+00	3.95E+00
5929	485668.51	3857942.83	2.44948	3.28E+00	3.45E+00	3.75E+00
5930	485575.5	3857942.56	2.38891	3.20E+00	3.36E+00	3.66E+00
5931	485482.48	3857942.3	2.33874	3.13E+00	3.29E+00	3.58E+00
5932	485389.47	3857942.04	2.34526	3.14E+00	3.30E+00	3.59E+00
5933	485296.46	3857941.78	2.35405	3.15E+00	3.31E+00	3.60E+00
5934	485203.45	3857941.52	2.33937	3.13E+00	3.29E+00	3.58E+00
5935	485110.43	3857941.26	2.3079	3.09E+00	3.25E+00	3.53E+00
5936	485017.42	3857940.99	2.21806	2.97E+00	3.12E+00	3.40E+00
5937	484924.41	3857940.73	2.12555	2.84E+00	2.99E+00	3.25E+00
5938	484831.39	3857940.47	2.06266	2.76E+00	2.90E+00	3.16E+00
5939	484738.12	3857859.3	2.07051	2.77E+00	2.91E+00	3.17E+00
5940	484737.85	3857778.4	2.03006	2.72E+00	2.86E+00	3.11E+00
5941	484737.59	3857697.49	2.04741	2.74E+00	2.88E+00	3.13E+00
5942	484737.32	3857616.59	2.04231	2.73E+00	2.87E+00	3.13E+00
5943	484645.53	3857535.18	1.96636	2.63E+00	2.77E+00	3.01E+00
5944	484553.99	3857534.67	1.94995	2.61E+00	2.74E+00	2.99E+00
5945	484462.46	3857534.17	1.87758	2.51E+00	2.64E+00	2.87E+00
5946	484370.93	3857533.66	1.86473	2.50E+00	2.62E+00	2.86E+00
5947	484279.4	3857533.16	1.87556	2.51E+00	2.64E+00	2.87E+00
5948	484187.86	3857532.65	1.84108	2.46E+00	2.59E+00	2.82E+00
5949	484096.33	3857532.15	1.79293	2.40E+00	2.52E+00	2.75E+00
5950	484004.8	3857531.64	1.78146	2.38E+00	2.51E+00	2.73E+00
5951	483913.27	3857531.14	1.74206	2.33E+00	2.45E+00	2.67E+00
5952	483821.73	3857530.63	1.72947	2.31E+00	2.43E+00	2.65E+00
5953	483729.61	3857450.11	1.70691	2.28E+00	2.40E+00	2.61E+00
5954	483729.03	3857370.08	1.71051	2.29E+00	2.41E+00	2.62E+00
5955	483728.44	3857290.06	1.73947	2.33E+00	2.45E+00	2.66E+00
5956	483727.86	3857210.03	1.72828	2.31E+00	2.43E+00	2.65E+00
5957	483641.15	3857129.07	1.72375	2.31E+00	2.43E+00	2.64E+00
5958	483555.03	3857128.14	1.70352	2.28E+00	2.40E+00	2.61E+00
5959	483468.91	3857127.2	1.68621	2.26E+00	2.37E+00	2.58E+00
5960	483382.78	3857126.26	1.6529	2.21E+00	2.33E+00	2.53E+00
5961	483296.66	3857125.32	1.62456	2.17E+00	2.29E+00	2.49E+00
5962	483210.54	3857124.39	1.60206	2.14E+00	2.25E+00	2.45E+00
5963	483123.4	3857030.96	1.57377	2.11E+00	2.21E+00	2.41E+00
5964	483122.38	3856938.46	1.57106	2.10E+00	2.21E+00	2.41E+00
5965	483121.35	3856845.97	1.57797	2.11E+00	2.22E+00	2.42E+00
5966	483120.33	3856753.47	1.61993	2.17E+00	2.28E+00	2.48E+00
5967	483119.31	3856660.98	1.66179	2.22E+00	2.34E+00	2.54E+00
5968	483118.29	3856568.49	1.70964	2.29E+00	2.41E+00	2.62E+00
5969	483117.26	3856475.99	1.75565	2.35E+00	2.47E+00	2.69E+00
5970	483116.24	3856383.5	1.80231	2.41E+00	2.54E+00	2.76E+00
5971	483115.22	3856291.01	1.85743	2.49E+00	2.61E+00	2.84E+00
5972	483114.2	3856198.51	1.8848	2.52E+00	2.65E+00	2.89E+00
5973	483113.17	3856106.02	1.91631	2.56E+00	2.70E+00	2.93E+00
5974	483112.15	3856013.52	2.00068	2.68E+00	2.82E+00	3.06E+00
5975	483029.25	3855920.47	2.00769	2.69E+00	2.82E+00	3.07E+00
5976	482947.37	3855919.91	1.92417	2.58E+00	2.71E+00	2.95E+00
5977	482865.49	3855919.36	1.88848	2.53E+00	2.66E+00	2.89E+00
5978	482783.61	3855918.8	1.83407	2.45E+00	2.58E+00	2.81E+00
5979	482700.33	3855818.39	1.85383	2.48E+00	2.61E+00	2.84E+00
5980	482698.92	3855718.54	1.92251	2.57E+00	2.71E+00	2.94E+00
5981	482697.52	3855618.68	2.0217	2.71E+00	2.84E+00	3.10E+00

5982	482696.11	3855518.83	2.08992	2.80E+00	2.94E+00	3.20E+00
5983	482694.71	3855418.98	2.14052	2.86E+00	3.01E+00	3.28E+00
5984	482693.3	3855319.13	2.201	2.95E+00	3.10E+00	3.37E+00
5985	482691.9	3855219.27	2.33303	3.12E+00	3.28E+00	3.57E+00
5986	482690.49	3855119.42	2.40668	3.22E+00	3.39E+00	3.69E+00
5987	482689.09	3855019.57	2.51981	3.37E+00	3.55E+00	3.86E+00
5988	482687.68	3854919.71	2.59269	3.47E+00	3.65E+00	3.97E+00
5989	482686.28	3854819.86	2.73723	3.66E+00	3.85E+00	4.19E+00
5990	482684.88	3854720.01	2.85152	3.82E+00	4.01E+00	4.37E+00
5991	482683.47	3854620.16	3.00394	4.02E+00	4.23E+00	4.60E+00
5992	482682.07	3854520.31	3.19263	4.27E+00	4.49E+00	4.89E+00
5993	482680.66	3854420.45	3.40434	4.56E+00	4.79E+00	5.21E+00
5994	482679.26	3854320.6	3.6479	4.88E+00	5.13E+00	5.59E+00
5995	482677.85	3854220.75	3.95006	5.29E+00	5.56E+00	6.05E+00
5996	482676.45	3854120.9	4.26921	5.71E+00	6.01E+00	6.54E+00
5997	482675.04	3854021.04	4.64864	6.22E+00	6.54E+00	7.12E+00
5998	482673.64	3853921.19	5.20386	6.96E+00	7.32E+00	7.97E+00
5999	482672.23	3853821.34	5.84218	7.82E+00	8.22E+00	8.95E+00
6000	482670.83	3853721.48	6.697	8.96E+00	9.42E+00	1.03E+01
6001	482669.42	3853621.63	7.66174	1.03E+01	1.08E+01	1.17E+01
6002	482645.99	3853446.13	9.24839	1.24E+01	1.30E+01	1.42E+01
6003	482623.97	3853370.48	9.93293	1.33E+01	1.40E+01	1.52E+01
6004	482601.94	3853294.84	11.20362	1.50E+01	1.58E+01	1.72E+01
6005	482531.29	3853133.44	14.48706	1.94E+01	2.04E+01	2.22E+01
6006	482482.68	3853047.69	16.82815	2.25E+01	2.37E+01	2.58E+01
6007	482383.09	3852897.4	20.87962	2.79E+01	2.94E+01	3.20E+01
6008	482265.64	3852765.26	22.30451	2.99E+01	3.14E+01	3.42E+01
6009	482199.16	3852697.66	21.98351	2.94E+01	3.09E+01	3.37E+01
6010	482132.69	3852630.07	22.06673	2.95E+01	3.10E+01	3.38E+01
6011	482066.21	3852562.48	21.95082	2.94E+01	3.09E+01	3.36E+01
6012	481999.74	3852494.89	21.38753	2.86E+01	3.01E+01	3.27E+01
6013	481933.26	3852427.29	21.14326	2.83E+01	2.97E+01	3.24E+01
6014	481866.79	3852359.7	20.77182	2.78E+01	2.92E+01	3.18E+01
6015	481800.31	3852292.11	20.49367	2.74E+01	2.88E+01	3.14E+01
6016	481733.84	3852224.52	20.18283	2.70E+01	2.84E+01	3.09E+01
6017	481667.36	3852156.92	20.14264	2.70E+01	2.83E+01	3.08E+01
6018	481600.89	3852089.33	19.61611	2.63E+01	2.76E+01	3.00E+01
6019	481534.41	3852021.74	19.11339	2.56E+01	2.69E+01	2.93E+01
6020	481467.94	3851954.15	18.66242	2.50E+01	2.63E+01	2.86E+01
6021	481401.46	3851886.55	18.83401	2.52E+01	2.65E+01	2.88E+01
6022	481265.87	3851761.43	18.78794	2.51E+01	2.64E+01	2.88E+01
6023	481196.74	3851703.89	19.85757	2.66E+01	2.79E+01	3.04E+01
6024	481076.33	3851619.04	21.17541	2.83E+01	2.98E+01	3.24E+01
6025	480939.8	3851549.07	20.51599	2.75E+01	2.89E+01	3.14E+01
6026	480854.56	3851506.41	20.60708	2.76E+01	2.90E+01	3.16E+01
6027	480769.32	3851463.75	20.78284	2.78E+01	2.92E+01	3.18E+01
6028	480684.08	3851421.08	20.96389	2.81E+01	2.95E+01	3.21E+01
6029	480598.84	3851378.42	20.92403	2.80E+01	2.94E+01	3.20E+01
6030	480435.71	3851275.01	24.99379	3.35E+01	3.52E+01	3.83E+01
6031	480347.85	3851232.36	24.97969	3.34E+01	3.51E+01	3.82E+01
6032	480260	3851189.72	24.93789	3.34E+01	3.51E+01	3.82E+01
6033	480172.15	3851147.07	25.15932	3.37E+01	3.54E+01	3.85E+01
6034	480084.29	3851104.42	25.40817	3.40E+01	3.58E+01	3.89E+01
6035	479996.44	3851061.77	25.73216	3.44E+01	3.62E+01	3.94E+01
6036	479908.58	3851019.13	26.26259	3.52E+01	3.70E+01	4.02E+01
6037	479820.73	3850976.48	26.42912	3.54E+01	3.72E+01	4.05E+01
6038	479732.88	3850933.83	26.55519	3.55E+01	3.74E+01	4.07E+01
6039	479645.02	3850891.18	26.62095	3.56E+01	3.75E+01	4.08E+01
6040	479557.17	3850848.54	26.56478	3.56E+01	3.74E+01	4.07E+01
6041	479469.32	3850805.89	26.8967	3.60E+01	3.78E+01	4.12E+01
6042	479381.46	3850763.24	26.68939	3.57E+01	3.76E+01	4.09E+01
6043	479293.61	3850720.59	25.94537	3.47E+01	3.65E+01	3.97E+01
6044	479205.76	3850677.95	25.19009	3.37E+01	3.54E+01	3.86E+01

6045	479117.9	3850635.3	24.36838	3.26E+01	3.43E+01	3.73E+01
6046	479030.05	3850592.65	24.0115	3.21E+01	3.38E+01	3.68E+01
6047	478942.19	3850550	24.8153	3.32E+01	3.49E+01	3.80E+01
6048	478854.34	3850507.36	26.76887	3.58E+01	3.77E+01	4.10E+01
6049	478766.49	3850464.71	26.96958	3.61E+01	3.79E+01	4.13E+01
6050	478678.63	3850422.06	27.05982	3.62E+01	3.81E+01	4.14E+01
6051	478590.78	3850379.41	27.25822	3.65E+01	3.84E+01	4.17E+01
6052	478502.93	3850336.77	27.2852	3.65E+01	3.84E+01	4.18E+01
6053	478415.07	3850294.12	27.27911	3.65E+01	3.84E+01	4.18E+01
6054	478327.22	3850251.47	27.36264	3.66E+01	3.85E+01	4.19E+01
6055	478239.36	3850208.82	27.40423	3.67E+01	3.86E+01	4.20E+01
6056	478151.51	3850166.18	27.41463	3.67E+01	3.86E+01	4.20E+01
6057	478063.66	3850123.53	27.46801	3.68E+01	3.86E+01	4.21E+01
6058	477975.8	3850080.88	26.59296	3.56E+01	3.74E+01	4.07E+01
6059	477887.95	3850038.23	26.11023	3.49E+01	3.67E+01	4.00E+01
6060	477800.1	3849995.59	25.10909	3.36E+01	3.53E+01	3.84E+01
6061	477712.24	3849952.94	24.73583	3.31E+01	3.48E+01	3.79E+01
6062	477624.39	3849910.29	24.36197	3.26E+01	3.43E+01	3.73E+01
6063	477536.54	3849867.64	23.7547	3.18E+01	3.34E+01	3.64E+01
6064	477448.68	3849825	23.7566	3.18E+01	3.34E+01	3.64E+01
6065	477360.83	3849782.35	23.46555	3.14E+01	3.30E+01	3.59E+01
6066	477272.97	3849739.7	23.13916	3.10E+01	3.26E+01	3.54E+01
6067	477185.12	3849697.05	22.74872	3.04E+01	3.20E+01	3.48E+01
6068	477097.27	3849654.41	22.71311	3.04E+01	3.20E+01	3.48E+01
6069	477009.41	3849611.76	23.46822	3.14E+01	3.30E+01	3.59E+01
6070	476841.49	3849530.08	23.76419	3.18E+01	3.34E+01	3.64E+01
6071	476761.41	3849491.05	23.5447	3.15E+01	3.31E+01	3.61E+01
6072	476681.34	3849452.02	23.78709	3.18E+01	3.35E+01	3.64E+01
6073	476601.26	3849412.99	24.58411	3.29E+01	3.46E+01	3.76E+01
6074	476456.32	3849353.67	27.03513	3.62E+01	3.80E+01	4.14E+01
6075	476305.43	3849318.83	25.94951	3.47E+01	3.65E+01	3.97E+01
6076	476129.36	3849289.99	25.50372	3.41E+01	3.59E+01	3.91E+01
6077	476039.31	3849275.68	25.28255	3.38E+01	3.56E+01	3.87E+01
6078	475949.26	3849261.38	26.39228	3.53E+01	3.71E+01	4.04E+01
6079	475859.21	3849247.08	27.07042	3.62E+01	3.81E+01	4.14E+01
6080	475769.16	3849232.77	28.46143	3.81E+01	4.00E+01	4.36E+01
6081	475585.22	3849219.27	27.17693	3.64E+01	3.82E+01	4.16E+01
6082	475444.49	3849150.35	38.34445	5.13E+01	5.40E+01	5.87E+01
6083	475334.17	3849118.71	34.01226	4.55E+01	4.79E+01	5.21E+01
6084	475230.47	3849060.56	36.24712	4.85E+01	5.10E+01	5.55E+01
6085	475110.86	3848960.97	39.50139	5.29E+01	5.56E+01	6.05E+01
6086	475037.79	3848896.28	39.3093	5.26E+01	5.53E+01	6.02E+01
6087	474964.72	3848831.59	37.48939	5.02E+01	5.27E+01	5.74E+01
6088	474891.65	3848766.9	36.27137	4.85E+01	5.10E+01	5.55E+01
6089	474818.58	3848702.21	36.66059	4.91E+01	5.16E+01	5.61E+01
6090	474745.51	3848637.53	33.18877	4.44E+01	4.67E+01	5.08E+01
6091	474672.44	3848572.84	32.08937	4.29E+01	4.52E+01	4.91E+01
6092	474599.37	3848508.15	33.45569	4.48E+01	4.71E+01	5.12E+01
6093	474526.3	3848443.46	33.04052	4.42E+01	4.65E+01	5.06E+01

			CO		2028 RD	2033 RD	2048 RD
			1 hr	Rates (g/s)	3.64E-01	4.09E-01	5.07E-01
			Concentration [ug/m^3] at 1 g/s				
	X	Y	Leads (SLINE1A, 1B)		Leads	Leads	Leads
1	485973.61	3854936.51	8.60813		3.13E+00	3.52E+00	4.36E+00
2	486023.61	3854936.51	8.54944		3.11E+00	3.49E+00	4.33E+00
3	486073.61	3854936.51	8.57386		3.12E+00	3.50E+00	4.34E+00
4	486123.61	3854936.51	8.47955		3.08E+00	3.46E+00	4.29E+00
5	486173.61	3854936.51	8.42753		3.06E+00	3.44E+00	4.27E+00
6	486223.61	3854936.51	8.26467		3.00E+00	3.38E+00	4.19E+00
7	486273.61	3854936.51	8.184		2.98E+00	3.34E+00	4.15E+00
8	486323.61	3854936.51	8.25714		3.00E+00	3.37E+00	4.18E+00
9	485973.61	3854986.51	8.72607		3.17E+00	3.56E+00	4.42E+00
10	486023.61	3854986.51	8.63073		3.14E+00	3.53E+00	4.37E+00
11	486073.61	3854986.51	8.44761		3.07E+00	3.45E+00	4.28E+00
12	486123.61	3854986.51	8.48378		3.08E+00	3.47E+00	4.30E+00
13	486173.61	3854986.51	8.48943		3.09E+00	3.47E+00	4.30E+00
14	486223.61	3854986.51	8.40681		3.06E+00	3.43E+00	4.26E+00
15	486273.61	3854986.51	8.269		3.01E+00	3.38E+00	4.19E+00
16	486323.61	3854986.51	8.14705		2.96E+00	3.33E+00	4.13E+00
17	485973.61	3855036.51	8.7017		3.16E+00	3.55E+00	4.41E+00
18	486023.61	3855036.51	8.69103		3.16E+00	3.55E+00	4.40E+00
19	486073.61	3855036.51	8.5877		3.12E+00	3.51E+00	4.35E+00
20	486123.61	3855036.51	8.44908		3.07E+00	3.45E+00	4.28E+00
21	486173.61	3855036.51	8.40256		3.05E+00	3.43E+00	4.26E+00
22	486223.61	3855036.51	8.39829		3.05E+00	3.43E+00	4.25E+00
23	486273.61	3855036.51	8.39258		3.05E+00	3.43E+00	4.25E+00
24	486323.61	3855036.51	8.2989		3.02E+00	3.39E+00	4.20E+00
25	485973.61	3855086.51	8.58182		3.12E+00	3.51E+00	4.35E+00
26	486023.61	3855086.51	8.61175		3.13E+00	3.52E+00	4.36E+00
27	486073.61	3855086.51	8.6051		3.13E+00	3.52E+00	4.36E+00
28	486123.61	3855086.51	8.58595		3.12E+00	3.51E+00	4.35E+00
29	486173.61	3855086.51	8.46361		3.08E+00	3.46E+00	4.29E+00
30	486223.61	3855086.51	8.31915		3.02E+00	3.40E+00	4.21E+00
31	485973.61	3855136.51	8.65546		3.15E+00	3.54E+00	4.38E+00
32	486023.61	3855136.51	8.58648		3.12E+00	3.51E+00	4.35E+00
33	486073.61	3855136.51	8.487		3.09E+00	3.47E+00	4.30E+00
34	486123.61	3855136.51	8.5434		3.11E+00	3.49E+00	4.33E+00
35	486173.61	3855136.51	8.52855		3.10E+00	3.48E+00	4.32E+00
36	486223.61	3855136.51	8.46262		3.08E+00	3.46E+00	4.29E+00
37	485973.61	3855186.51	8.54233		3.11E+00	3.49E+00	4.33E+00
38	486023.61	3855186.51	8.59674		3.13E+00	3.51E+00	4.35E+00
39	486073.61	3855186.51	8.54232		3.11E+00	3.49E+00	4.33E+00
40	486123.61	3855186.51	8.40966		3.06E+00	3.44E+00	4.26E+00
41	486173.61	3855186.51	8.42297		3.06E+00	3.44E+00	4.27E+00
42	486223.61	3855186.51	8.44612		3.07E+00	3.45E+00	4.28E+00
43	486273.61	3855186.51	8.40398		3.06E+00	3.43E+00	4.26E+00
44	486323.61	3855186.51	8.39076		3.05E+00	3.43E+00	4.25E+00
45	485973.61	3855236.51	8.27235		3.01E+00	3.38E+00	4.19E+00
46	486023.61	3855236.51	8.40313		3.06E+00	3.43E+00	4.26E+00
47	486073.61	3855236.51	8.459		3.08E+00	3.46E+00	4.28E+00
48	486123.61	3855236.51	8.45851		3.08E+00	3.46E+00	4.28E+00
49	486173.61	3855236.51	8.38906		3.05E+00	3.43E+00	4.25E+00
50	486223.61	3855236.51	8.29569		3.02E+00	3.39E+00	4.20E+00
51	486273.61	3855236.51	8.30585		3.02E+00	3.39E+00	4.21E+00
52	486323.61	3855236.51	8.40949		3.06E+00	3.44E+00	4.26E+00
53	485973.61	3855286.51	8.55277		3.11E+00	3.49E+00	4.33E+00
54	486023.61	3855286.51	8.23115		2.99E+00	3.36E+00	4.17E+00
55	486073.61	3855286.51	8.24477		3.00E+00	3.37E+00	4.18E+00
56	486123.61	3855286.51	8.33555		3.03E+00	3.41E+00	4.22E+00
57	486173.61	3855286.51	8.3573		3.04E+00	3.41E+00	4.23E+00
58	486223.61	3855286.51	8.32992		3.03E+00	3.40E+00	4.22E+00
59	486123.61	3855336.51	8.06563		2.93E+00	3.29E+00	4.09E+00

60	486173.61	3855336.51	8.20388	2.98E+00	3.35E+00	4.16E+00
61	486223.61	3855336.51	8.26509	3.00E+00	3.38E+00	4.19E+00
62	486123.61	3855386.51	8.22932	2.99E+00	3.36E+00	4.17E+00
63	486173.61	3855386.51	7.91339	2.88E+00	3.23E+00	4.01E+00
64	486223.61	3855386.51	8.06528	2.93E+00	3.29E+00	4.09E+00
65	486533.18	3855443.15	7.97883	2.90E+00	3.26E+00	4.04E+00
66	486583.18	3855443.15	8.0424	2.92E+00	3.29E+00	4.07E+00
67	486633.18	3855443.15	8.05696	2.93E+00	3.29E+00	4.08E+00
68	486683.18	3855443.15	8.02713	2.92E+00	3.28E+00	4.07E+00
69	486533.18	3855493.15	8.04286	2.92E+00	3.29E+00	4.07E+00
70	486583.18	3855493.15	7.95467	2.89E+00	3.25E+00	4.03E+00
71	486633.18	3855493.15	7.93276	2.88E+00	3.24E+00	4.02E+00
72	486683.18	3855493.15	7.97467	2.90E+00	3.26E+00	4.04E+00
73	486533.18	3855543.15	7.98051	2.90E+00	3.26E+00	4.04E+00
74	486583.18	3855543.15	7.97477	2.90E+00	3.26E+00	4.04E+00
75	486633.18	3855543.15	7.91811	2.88E+00	3.23E+00	4.01E+00
76	486683.18	3855543.15	7.79817	2.84E+00	3.19E+00	3.95E+00
77	486533.18	3855593.15	7.77643	2.83E+00	3.18E+00	3.94E+00
78	486583.18	3855593.15	7.86718	2.86E+00	3.21E+00	3.98E+00
79	486633.18	3855593.15	7.89899	2.87E+00	3.23E+00	4.00E+00
80	486683.18	3855593.15	7.87523	2.86E+00	3.22E+00	3.99E+00
81	486533.18	3855643.15	7.47518	2.72E+00	3.05E+00	3.79E+00
82	486583.18	3855643.15	7.63015	2.77E+00	3.12E+00	3.86E+00
83	486633.18	3855643.15	7.75077	2.82E+00	3.17E+00	3.93E+00
84	486683.18	3855643.15	7.81323	2.84E+00	3.19E+00	3.96E+00
85	486533.18	3855693.15	7.75456	2.82E+00	3.17E+00	3.93E+00
86	486583.18	3855693.15	7.49715	2.73E+00	3.06E+00	3.80E+00
87	486633.18	3855693.15	7.46833	2.72E+00	3.05E+00	3.78E+00
88	486683.18	3855693.15	7.62209	2.77E+00	3.11E+00	3.86E+00
89	486733.18	3855693.15	7.72532	2.81E+00	3.16E+00	3.91E+00
90	486783.18	3855693.15	7.77367	2.83E+00	3.18E+00	3.94E+00
91	486533.18	3855743.15	7.86966	2.86E+00	3.21E+00	3.99E+00
92	486583.18	3855743.15	7.72021	2.81E+00	3.15E+00	3.91E+00
93	486633.18	3855743.15	7.49795	2.73E+00	3.06E+00	3.80E+00
94	486683.18	3855743.15	7.32272	2.66E+00	2.99E+00	3.71E+00
95	486733.18	3855743.15	7.49106	2.72E+00	3.06E+00	3.79E+00
96	486783.18	3855743.15	7.62046	2.77E+00	3.11E+00	3.86E+00
97	486533.18	3855793.15	7.82496	2.84E+00	3.20E+00	3.96E+00
98	486583.18	3855793.15	7.79441	2.83E+00	3.18E+00	3.95E+00
99	486633.18	3855793.15	7.69678	2.80E+00	3.14E+00	3.90E+00
100	486683.18	3855793.15	7.52759	2.74E+00	3.08E+00	3.81E+00
101	486733.18	3855793.15	7.28839	2.65E+00	2.98E+00	3.69E+00
102	486783.18	3855793.15	7.34722	2.67E+00	3.00E+00	3.72E+00
103	486533.18	3855843.15	7.64358	2.78E+00	3.12E+00	3.87E+00
104	486583.18	3855843.15	7.73066	2.81E+00	3.16E+00	3.92E+00
105	486633.18	3855843.15	7.73358	2.81E+00	3.16E+00	3.92E+00
106	486683.18	3855843.15	7.6624	2.79E+00	3.13E+00	3.88E+00
107	486733.18	3855843.15	7.51931	2.73E+00	3.07E+00	3.81E+00
108	486783.18	3855843.15	7.30929	2.66E+00	2.99E+00	3.70E+00
109	486533.18	3855893.15	7.69221	2.80E+00	3.14E+00	3.90E+00
110	486583.18	3855893.15	7.59544	2.76E+00	3.10E+00	3.85E+00
111	486633.18	3855893.15	7.61604	2.77E+00	3.11E+00	3.86E+00
112	486683.18	3855893.15	7.64186	2.78E+00	3.12E+00	3.87E+00
113	486733.18	3855893.15	7.59199	2.76E+00	3.10E+00	3.85E+00
114	486783.18	3855893.15	7.47336	2.72E+00	3.05E+00	3.79E+00
115	486533.18	3855943.15	7.59892	2.76E+00	3.10E+00	3.85E+00
116	486583.18	3855943.15	7.60689	2.77E+00	3.11E+00	3.85E+00
117	486633.18	3855943.15	7.53992	2.74E+00	3.08E+00	3.82E+00
118	486683.18	3855943.15	7.45979	2.71E+00	3.05E+00	3.78E+00
119	486733.18	3855943.15	7.51134	2.73E+00	3.07E+00	3.80E+00
120	486783.18	3855943.15	7.47887	2.72E+00	3.06E+00	3.79E+00
121	486533.18	3855993.15	7.34553	2.67E+00	3.00E+00	3.72E+00
122	486583.18	3855993.15	7.46371	2.71E+00	3.05E+00	3.78E+00

123	486633.18	3855993.15	7.50375	2.73E+00	3.07E+00	3.80E+00
124	486683.18	3855993.15	7.45766	2.71E+00	3.05E+00	3.78E+00
125	486733.18	3855993.15	7.33789	2.67E+00	3.00E+00	3.72E+00
126	486783.18	3855993.15	7.35451	2.67E+00	3.00E+00	3.73E+00
127	486533.18	3856043.15	6.97802	2.54E+00	2.85E+00	3.53E+00
128	486583.18	3856043.15	7.16929	2.61E+00	2.93E+00	3.63E+00
129	486633.18	3856043.15	7.31212	2.66E+00	2.99E+00	3.70E+00
130	486683.18	3856043.15	7.36631	2.68E+00	3.01E+00	3.73E+00
131	486733.18	3856043.15	7.35447	2.67E+00	3.00E+00	3.73E+00
132	486783.18	3856043.15	7.24877	2.64E+00	2.96E+00	3.67E+00
133	486533.18	3856093.15	7.00721	2.55E+00	2.86E+00	3.55E+00
134	486583.18	3856093.15	6.77217	2.46E+00	2.77E+00	3.43E+00
135	486633.18	3856093.15	6.99658	2.54E+00	2.86E+00	3.54E+00
136	486683.18	3856093.15	7.14205	2.60E+00	2.92E+00	3.62E+00
137	486733.18	3856093.15	7.22174	2.63E+00	2.95E+00	3.66E+00
138	486783.18	3856093.15	7.22202	2.63E+00	2.95E+00	3.66E+00
139	486533.18	3856143.15	7.05378	2.56E+00	2.88E+00	3.57E+00
140	486583.18	3856143.15	6.92709	2.52E+00	2.83E+00	3.51E+00
141	486633.18	3856143.15	6.70497	2.44E+00	2.74E+00	3.40E+00
142	486683.18	3856143.15	6.81436	2.48E+00	2.78E+00	3.45E+00
143	486733.18	3856143.15	6.97858	2.54E+00	2.85E+00	3.53E+00
144	486783.18	3856143.15	7.05127	2.56E+00	2.88E+00	3.57E+00
145	486533.18	3856193.15	6.95252	2.53E+00	2.84E+00	3.52E+00
146	486583.18	3856193.15	6.9368	2.52E+00	2.83E+00	3.51E+00
147	486633.18	3856193.15	6.81526	2.48E+00	2.78E+00	3.45E+00
148	486683.18	3856193.15	6.60509	2.40E+00	2.70E+00	3.35E+00
149	486733.18	3856193.15	6.62418	2.41E+00	2.71E+00	3.36E+00
150	486783.18	3856193.15	6.77701	2.46E+00	2.77E+00	3.43E+00
151	486533.18	3856243.15	6.95729	2.53E+00	2.84E+00	3.52E+00
152	486583.18	3856243.15	6.80351	2.47E+00	2.78E+00	3.45E+00
153	486633.18	3856243.15	6.78728	2.47E+00	2.77E+00	3.44E+00
154	486683.18	3856243.15	6.68277	2.43E+00	2.73E+00	3.38E+00
155	486733.18	3856243.15	6.49479	2.36E+00	2.65E+00	3.29E+00
156	486783.18	3856243.15	6.42988	2.34E+00	2.63E+00	3.26E+00
157	486533.18	3856293.15	6.95885	2.53E+00	2.84E+00	3.52E+00
158	486583.18	3856293.15	6.85432	2.49E+00	2.80E+00	3.47E+00
159	486633.18	3856293.15	6.65301	2.42E+00	2.72E+00	3.37E+00
160	486683.18	3856293.15	6.62691	2.41E+00	2.71E+00	3.36E+00
161	486733.18	3856293.15	6.51444	2.37E+00	2.66E+00	3.30E+00
162	486783.18	3856293.15	6.36364	2.31E+00	2.60E+00	3.22E+00
163	486783.18	3856343.15	6.27765	2.28E+00	2.56E+00	3.18E+00
164	486833.18	3856343.15	6.12855	2.23E+00	2.50E+00	3.10E+00
165	486883.18	3856343.15	5.91879	2.15E+00	2.42E+00	3.00E+00
166	486783.18	3856393.15	6.15857	2.24E+00	2.52E+00	3.12E+00
167	486833.18	3856393.15	6.08416	2.21E+00	2.49E+00	3.08E+00
168	486883.18	3856393.15	5.98058	2.17E+00	2.44E+00	3.03E+00
169	487208.74	3856886.11	5.14368	1.87E+00	2.10E+00	2.61E+00
170	487258.74	3856886.11	5.0493	1.84E+00	2.06E+00	2.56E+00
171	487308.74	3856886.11	5.02437	1.83E+00	2.05E+00	2.54E+00
172	487358.74	3856886.11	4.93645	1.79E+00	2.02E+00	2.50E+00
173	487208.74	3856936.11	5.36153	1.95E+00	2.19E+00	2.72E+00
174	487258.74	3856936.11	5.26062	1.91E+00	2.15E+00	2.66E+00
175	487308.74	3856936.11	5.17803	1.88E+00	2.12E+00	2.62E+00
176	487358.74	3856936.11	5.1569	1.87E+00	2.11E+00	2.61E+00
177	487208.74	3856986.11	5.59825	2.04E+00	2.29E+00	2.84E+00
178	487258.74	3856986.11	5.49329	2.00E+00	2.24E+00	2.78E+00
179	487308.74	3856986.11	5.38169	1.96E+00	2.20E+00	2.73E+00
180	487358.74	3856986.11	5.32955	1.94E+00	2.18E+00	2.70E+00
181	487208.74	3857036.11	5.85503	2.13E+00	2.39E+00	2.97E+00
182	487258.74	3857036.11	5.72476	2.08E+00	2.34E+00	2.90E+00
183	487308.74	3857036.11	5.61487	2.04E+00	2.29E+00	2.84E+00
184	487358.74	3857036.11	5.51132	2.00E+00	2.25E+00	2.79E+00
185	487427.14	3856878.23	4.76963	1.73E+00	1.95E+00	2.42E+00

186	487477.14	3856878.23	4.63988	1.69E+00	1.90E+00	2.35E+00
187	487527.14	3856878.23	4.50596	1.64E+00	1.84E+00	2.28E+00
188	487427.14	3856928.23	5.04098	1.83E+00	2.06E+00	2.55E+00
189	487477.14	3856928.23	4.90033	1.78E+00	2.00E+00	2.48E+00
190	487527.14	3856928.23	4.76149	1.73E+00	1.95E+00	2.41E+00
191	487577.14	3856928.23	4.61235	1.68E+00	1.88E+00	2.34E+00
192	487627.14	3856928.23	4.46363	1.62E+00	1.82E+00	2.26E+00
193	487677.14	3856928.23	4.44027	1.61E+00	1.81E+00	2.25E+00
194	487727.14	3856928.23	4.42796	1.61E+00	1.81E+00	2.24E+00
195	487777.14	3856928.23	4.39937	1.60E+00	1.80E+00	2.23E+00
196	487427.14	3856978.23	5.27564	1.92E+00	2.16E+00	2.67E+00
197	487477.14	3856978.23	5.18206	1.88E+00	2.12E+00	2.62E+00
198	487527.14	3856978.23	5.05031	1.84E+00	2.06E+00	2.56E+00
199	487577.14	3856978.23	4.89427	1.78E+00	2.00E+00	2.48E+00
200	487627.14	3856978.23	4.71438	1.71E+00	1.93E+00	2.39E+00
201	487677.14	3856978.23	4.57178	1.66E+00	1.87E+00	2.32E+00
202	487727.14	3856978.23	4.42399	1.61E+00	1.81E+00	2.24E+00
203	487777.14	3856978.23	4.3853	1.59E+00	1.79E+00	2.22E+00
204	487427.14	3857028.23	5.50344	2.00E+00	2.25E+00	2.79E+00
205	487477.14	3857028.23	5.45112	1.98E+00	2.23E+00	2.76E+00
206	487527.14	3857028.23	5.32823	1.94E+00	2.18E+00	2.70E+00
207	487577.14	3857028.23	5.18298	1.88E+00	2.12E+00	2.63E+00
208	487627.14	3857028.23	4.99405	1.82E+00	2.04E+00	2.53E+00
209	487677.14	3857028.23	4.83538	1.76E+00	1.98E+00	2.45E+00
210	487727.14	3857028.23	4.70067	1.71E+00	1.92E+00	2.38E+00
211	487777.14	3857028.23	4.55711	1.66E+00	1.86E+00	2.31E+00
212	487427.14	3857078.23	5.64871	2.05E+00	2.31E+00	2.86E+00
213	487477.14	3857078.23	5.67051	2.06E+00	2.32E+00	2.87E+00
214	487527.14	3857078.23	5.60249	2.04E+00	2.29E+00	2.84E+00
215	487577.14	3857078.23	5.46919	1.99E+00	2.23E+00	2.77E+00
216	487627.14	3857078.23	5.29672	1.93E+00	2.16E+00	2.68E+00
217	487677.14	3857078.23	5.13026	1.87E+00	2.10E+00	2.60E+00
218	487727.14	3857078.23	4.97207	1.81E+00	2.03E+00	2.52E+00
219	487777.14	3857078.23	4.79819	1.74E+00	1.96E+00	2.43E+00
220	487427.14	3857128.23	5.78215	2.10E+00	2.36E+00	2.93E+00
221	487477.14	3857128.23	5.82783	2.12E+00	2.38E+00	2.95E+00
222	487527.14	3857128.23	5.82397	2.12E+00	2.38E+00	2.95E+00
223	487577.14	3857128.23	5.73808	2.09E+00	2.34E+00	2.91E+00
224	487627.14	3857128.23	5.59896	2.04E+00	2.29E+00	2.84E+00
225	487677.14	3857128.23	5.41597	1.97E+00	2.21E+00	2.74E+00
226	487727.14	3857128.23	5.26516	1.91E+00	2.15E+00	2.67E+00
227	487777.14	3857128.23	5.07918	1.85E+00	2.07E+00	2.57E+00
228	488049.44	3856539.39	4.95795	1.80E+00	2.03E+00	2.51E+00
229	488099.44	3856539.39	4.8903	1.78E+00	2.00E+00	2.48E+00
230	488149.44	3856539.39	4.77999	1.74E+00	1.95E+00	2.42E+00
231	488049.44	3856589.39	4.90157	1.78E+00	2.00E+00	2.48E+00
232	488099.44	3856589.39	4.85322	1.76E+00	1.98E+00	2.46E+00
233	488149.44	3856589.39	4.78072	1.74E+00	1.95E+00	2.42E+00
234	488199.44	3856589.39	4.70417	1.71E+00	1.92E+00	2.38E+00
235	488249.44	3856589.39	4.54847	1.65E+00	1.86E+00	2.30E+00
236	488049.44	3856639.39	4.81168	1.75E+00	1.97E+00	2.44E+00
237	488099.44	3856639.39	4.79195	1.74E+00	1.96E+00	2.43E+00
238	488149.44	3856639.39	4.74812	1.73E+00	1.94E+00	2.40E+00
239	488199.44	3856639.39	4.64943	1.69E+00	1.90E+00	2.35E+00
240	488249.44	3856639.39	4.54244	1.65E+00	1.86E+00	2.30E+00
241	488299.44	3856639.39	4.407	1.60E+00	1.80E+00	2.23E+00
242	488349.44	3856639.39	4.32665	1.57E+00	1.77E+00	2.19E+00
243	488399.44	3856639.39	4.3182	1.57E+00	1.76E+00	2.19E+00
244	488099.44	3856689.39	4.63095	1.68E+00	1.89E+00	2.35E+00
245	488149.44	3856689.39	4.60862	1.68E+00	1.88E+00	2.33E+00
246	488199.44	3856689.39	4.54453	1.65E+00	1.86E+00	2.30E+00
247	488249.44	3856689.39	4.48869	1.63E+00	1.83E+00	2.27E+00
248	488299.44	3856689.39	4.37543	1.59E+00	1.79E+00	2.22E+00

249	488349.44	3856689.39	4.28195	1.56E+00	1.75E+00	2.17E+00
250	488399.44	3856689.39	4.24106	1.54E+00	1.73E+00	2.15E+00
251	488099.44	3856739.39	4.50564	1.64E+00	1.84E+00	2.28E+00
252	488149.44	3856739.39	4.52052	1.64E+00	1.85E+00	2.29E+00
253	488199.44	3856739.39	4.47971	1.63E+00	1.83E+00	2.27E+00
254	488249.44	3856739.39	4.44699	1.62E+00	1.82E+00	2.25E+00
255	488299.44	3856739.39	4.42252	1.61E+00	1.81E+00	2.24E+00
256	488349.44	3856739.39	4.30776	1.57E+00	1.76E+00	2.18E+00
257	488399.44	3856739.39	4.18923	1.52E+00	1.71E+00	2.12E+00
258	487999.44	3856789.39	4.49535	1.63E+00	1.84E+00	2.28E+00
259	488049.44	3856789.39	4.46795	1.62E+00	1.83E+00	2.26E+00
260	488099.44	3856789.39	4.40243	1.60E+00	1.80E+00	2.23E+00
261	488149.44	3856789.39	4.41017	1.60E+00	1.80E+00	2.23E+00
262	488199.44	3856789.39	4.39765	1.60E+00	1.80E+00	2.23E+00
263	488249.44	3856789.39	4.38625	1.59E+00	1.79E+00	2.22E+00
264	488299.44	3856789.39	4.38037	1.59E+00	1.79E+00	2.22E+00
265	488349.44	3856789.39	4.2945	1.56E+00	1.75E+00	2.18E+00
266	488399.44	3856789.39	4.20638	1.53E+00	1.72E+00	2.13E+00
267	487949.44	3856839.39	4.3803	1.59E+00	1.79E+00	2.22E+00
268	487999.44	3856839.39	4.40363	1.60E+00	1.80E+00	2.23E+00
269	488049.44	3856839.39	4.40233	1.60E+00	1.80E+00	2.23E+00
270	488099.44	3856839.39	4.37273	1.59E+00	1.79E+00	2.21E+00
271	488149.44	3856839.39	4.32732	1.57E+00	1.77E+00	2.19E+00
272	488199.44	3856839.39	4.28078	1.56E+00	1.75E+00	2.17E+00
273	487949.44	3856889.39	4.29641	1.56E+00	1.76E+00	2.18E+00
274	487999.44	3856889.39	4.2672	1.55E+00	1.74E+00	2.16E+00
275	488049.44	3856889.39	4.30683	1.57E+00	1.76E+00	2.18E+00
276	488099.44	3856889.39	4.29514	1.56E+00	1.75E+00	2.18E+00
277	488635.86	3857895.05	6.91873	2.52E+00	2.83E+00	3.50E+00
278	489137.64	3857804.15	6.48678	2.36E+00	2.65E+00	3.29E+00
279	488617.32	3857859.41	6.74249	2.45E+00	2.75E+00	3.42E+00
280	488667.32	3857859.41	6.49687	2.36E+00	2.65E+00	3.29E+00
281	488717.32	3857859.41	6.1672	2.24E+00	2.52E+00	3.12E+00
282	488767.32	3857859.41	6.18002	2.25E+00	2.52E+00	3.13E+00
283	488617.32	3857909.41	7.09264	2.58E+00	2.90E+00	3.59E+00
284	488667.32	3857909.41	6.88009	2.50E+00	2.81E+00	3.48E+00
285	488717.32	3857909.41	6.62126	2.41E+00	2.70E+00	3.35E+00
286	488767.32	3857909.41	6.22883	2.26E+00	2.54E+00	3.15E+00
287	488417.32	3857959.41	7.698	2.80E+00	3.14E+00	3.90E+00
288	488467.32	3857959.41	7.66657	2.79E+00	3.13E+00	3.88E+00
289	488517.32	3857959.41	7.57128	2.75E+00	3.09E+00	3.83E+00
290	488567.32	3857959.41	7.48405	2.72E+00	3.06E+00	3.79E+00
291	488617.32	3857959.41	7.31851	2.66E+00	2.99E+00	3.71E+00
292	488667.32	3857959.41	7.22812	2.63E+00	2.95E+00	3.66E+00
293	488717.32	3857959.41	7.04495	2.56E+00	2.88E+00	3.57E+00
294	488767.32	3857959.41	6.80448	2.47E+00	2.78E+00	3.45E+00
295	488417.32	3858009.41	7.92617	2.88E+00	3.24E+00	4.01E+00
296	488467.32	3858009.41	7.80182	2.84E+00	3.19E+00	3.95E+00
297	488517.32	3858009.41	7.70162	2.80E+00	3.15E+00	3.90E+00
298	488567.32	3858009.41	7.56182	2.75E+00	3.09E+00	3.83E+00
299	488617.32	3858009.41	7.51878	2.73E+00	3.07E+00	3.81E+00
300	488667.32	3858009.41	7.43337	2.70E+00	3.04E+00	3.77E+00
301	488717.32	3858009.41	7.28153	2.65E+00	2.97E+00	3.69E+00
302	488767.32	3858009.41	7.12585	2.59E+00	2.91E+00	3.61E+00
303	488417.32	3858059.41	8.09866	2.94E+00	3.31E+00	4.10E+00
304	488467.32	3858059.41	7.89948	2.87E+00	3.23E+00	4.00E+00
305	488517.32	3858059.41	7.65624	2.78E+00	3.13E+00	3.88E+00
306	488567.32	3858059.41	7.59264	2.76E+00	3.10E+00	3.85E+00
307	488617.32	3858059.41	7.56856	2.75E+00	3.09E+00	3.83E+00
308	488667.32	3858059.41	7.55894	2.75E+00	3.09E+00	3.83E+00
309	488417.32	3858109.41	8.4603	3.08E+00	3.46E+00	4.29E+00
310	488467.32	3858109.41	8.12377	2.95E+00	3.32E+00	4.11E+00
311	488517.32	3858109.41	7.79888	2.84E+00	3.19E+00	3.95E+00

312	488567.32	3858109.41	7.69593	2.80E+00	3.14E+00	3.90E+00
313	488617.32	3858109.41	7.63002	2.77E+00	3.12E+00	3.86E+00
314	488667.32	3858109.41	7.7154	2.80E+00	3.15E+00	3.91E+00
315	488769.93	3858449.27	10.42646	3.79E+00	4.26E+00	5.28E+00
316	488819.93	3858449.27	9.85893	3.58E+00	4.03E+00	4.99E+00
317	488819.93	3858499.27	10.80562	3.93E+00	4.41E+00	5.47E+00
318	488869.93	3858499.27	10.23439	3.72E+00	4.18E+00	5.18E+00
319	488869.93	3858549.27	11.23856	4.09E+00	4.59E+00	5.69E+00
320	489438.17	3859571.48	15.46125	5.62E+00	6.32E+00	7.83E+00
321	489488.17	3859571.48	16.41384	5.97E+00	6.71E+00	8.31E+00
322	489538.17	3859571.48	17.49103	6.36E+00	7.15E+00	8.86E+00
323	489588.17	3859571.48	18.69859	6.80E+00	7.64E+00	9.47E+00
324	489438.17	3859621.48	13.21929	4.81E+00	5.40E+00	6.70E+00
325	489488.17	3859621.48	13.9994	5.09E+00	5.72E+00	7.09E+00
326	489538.17	3859621.48	14.86627	5.40E+00	6.07E+00	7.53E+00
327	489588.17	3859621.48	15.80726	5.75E+00	6.46E+00	8.01E+00
328	489238.17	3859671.48	9.72734	3.54E+00	3.97E+00	4.93E+00
329	489288.17	3859671.48	10.07294	3.66E+00	4.11E+00	5.10E+00
330	489338.17	3859671.48	10.46484	3.80E+00	4.27E+00	5.30E+00
331	489388.17	3859671.48	10.92113	3.97E+00	4.46E+00	5.53E+00
332	489438.17	3859671.48	11.4068	4.15E+00	4.66E+00	5.78E+00
333	489488.17	3859671.48	11.94754	4.34E+00	4.88E+00	6.05E+00
334	489538.17	3859671.48	12.51628	4.55E+00	5.11E+00	6.34E+00
335	489588.17	3859671.48	13.13904	4.78E+00	5.37E+00	6.66E+00
336	489238.17	3859721.48	8.86944	3.22E+00	3.62E+00	4.49E+00
337	489288.17	3859721.48	9.27644	3.37E+00	3.79E+00	4.70E+00
338	489338.17	3859721.48	9.65812	3.51E+00	3.95E+00	4.89E+00
339	489388.17	3859721.48	10.05673	3.66E+00	4.11E+00	5.09E+00
340	489438.17	3859721.48	10.45995	3.80E+00	4.27E+00	5.30E+00
341	489488.17	3859721.48	10.96045	3.98E+00	4.48E+00	5.55E+00
342	489538.17	3859721.48	11.43393	4.16E+00	4.67E+00	5.79E+00
343	489588.17	3859721.48	11.91167	4.33E+00	4.87E+00	6.03E+00
344	489238.17	3859771.48	8.65925	3.15E+00	3.54E+00	4.39E+00
345	489288.17	3859771.48	9.00578	3.27E+00	3.68E+00	4.56E+00
346	489338.17	3859771.48	9.29942	3.38E+00	3.80E+00	4.71E+00
347	489388.17	3859771.48	9.63643	3.50E+00	3.94E+00	4.88E+00
348	489438.17	3859771.48	9.9512	3.62E+00	4.07E+00	5.04E+00
349	489488.17	3859771.48	10.35255	3.76E+00	4.23E+00	5.24E+00
350	489538.17	3859771.48	10.70196	3.89E+00	4.37E+00	5.42E+00
351	489588.17	3859771.48	11.05641	4.02E+00	4.52E+00	5.60E+00
352	489238.17	3859821.48	8.33078	3.03E+00	3.40E+00	4.22E+00
353	489288.17	3859821.48	8.62227	3.13E+00	3.52E+00	4.37E+00
354	489338.17	3859821.48	8.86962	3.22E+00	3.62E+00	4.49E+00
355	489388.17	3859821.48	9.13644	3.32E+00	3.73E+00	4.63E+00
356	489438.17	3859821.48	9.43646	3.43E+00	3.85E+00	4.78E+00
357	489488.17	3859821.48	9.71542	3.53E+00	3.97E+00	4.92E+00
358	489538.17	3859821.48	9.98552	3.63E+00	4.08E+00	5.06E+00
359	489588.17	3859821.48	10.27469	3.74E+00	4.20E+00	5.20E+00
360	489238.17	3859871.48	7.96483	2.90E+00	3.25E+00	4.03E+00
361	489288.17	3859871.48	8.18201	2.97E+00	3.34E+00	4.14E+00
362	489338.17	3859871.48	8.40521	3.06E+00	3.43E+00	4.26E+00
363	489388.17	3859871.48	8.65684	3.15E+00	3.54E+00	4.38E+00
364	489438.17	3859871.48	8.90078	3.24E+00	3.64E+00	4.51E+00
365	489488.17	3859871.48	9.09972	3.31E+00	3.72E+00	4.61E+00
366	489538.17	3859871.48	9.34371	3.40E+00	3.82E+00	4.73E+00
367	489588.17	3859871.48	9.5801	3.48E+00	3.91E+00	4.85E+00
368	489238.17	3859921.48	7.60645	2.77E+00	3.11E+00	3.85E+00
369	489288.17	3859921.48	7.81803	2.84E+00	3.19E+00	3.96E+00
370	489338.17	3859921.48	8.00892	2.91E+00	3.27E+00	4.06E+00
371	489388.17	3859921.48	8.21226	2.99E+00	3.35E+00	4.16E+00
372	489438.17	3859921.48	8.37965	3.05E+00	3.42E+00	4.24E+00
373	489488.17	3859921.48	8.55232	3.11E+00	3.49E+00	4.33E+00
374	489538.17	3859921.48	8.70557	3.16E+00	3.56E+00	4.41E+00

375	489588.17	3859921.48	8.81377	3.20E+00	3.60E+00	4.46E+00
376	489238.17	3859971.48	7.26219	2.64E+00	2.97E+00	3.68E+00
377	489288.17	3859971.48	7.42773	2.70E+00	3.03E+00	3.76E+00
378	489338.17	3859971.48	7.60961	2.77E+00	3.11E+00	3.85E+00
379	489388.17	3859971.48	7.7636	2.82E+00	3.17E+00	3.93E+00
380	489438.17	3859971.48	7.76899	2.82E+00	3.17E+00	3.94E+00
381	489488.17	3859971.48	8.43914	3.07E+00	3.45E+00	4.27E+00
382	489538.17	3859971.48	8.45686	3.07E+00	3.45E+00	4.28E+00
383	489588.17	3859971.48	8.33179	3.03E+00	3.40E+00	4.22E+00
384	483577.7	3854071	18.08141	6.57E+00	7.39E+00	9.16E+00
385	483627.7	3854071	17.19032	6.25E+00	7.02E+00	8.71E+00
386	483677.7	3854071	17.10698	6.22E+00	6.99E+00	8.66E+00
387	483727.7	3854071	16.99782	6.18E+00	6.94E+00	8.61E+00
388	483777.7	3854071	16.15214	5.87E+00	6.60E+00	8.18E+00
389	483577.7	3854121	17.76433	6.46E+00	7.26E+00	9.00E+00
390	483627.7	3854121	17.71131	6.44E+00	7.24E+00	8.97E+00
391	483677.7	3854121	16.87229	6.13E+00	6.89E+00	8.55E+00
392	483727.7	3854121	16.78939	6.10E+00	6.86E+00	8.50E+00
393	483777.7	3854121	16.5361	6.01E+00	6.76E+00	8.38E+00
394	483577.7	3854171	17.41072	6.33E+00	7.11E+00	8.82E+00
395	483627.7	3854171	17.61968	6.41E+00	7.20E+00	8.92E+00
396	483677.7	3854171	17.37436	6.32E+00	7.10E+00	8.80E+00
397	483727.7	3854171	16.38502	5.96E+00	6.69E+00	8.30E+00
398	483777.7	3854171	16.08861	5.85E+00	6.57E+00	8.15E+00
399	483827.7	3854171	15.86649	5.77E+00	6.48E+00	8.04E+00
400	483877.7	3854171	15.08248	5.48E+00	6.16E+00	7.64E+00
401	483727.7	3854221	16.63575	6.05E+00	6.80E+00	8.43E+00
402	483777.7	3854221	15.73059	5.72E+00	6.43E+00	7.97E+00
403	483827.7	3854221	15.44286	5.61E+00	6.31E+00	7.82E+00
404	483877.7	3854221	15.33469	5.58E+00	6.26E+00	7.77E+00
405	489150.19	3858726.45	12.19698	4.43E+00	4.98E+00	6.18E+00
406	489200.19	3858726.45	11.72737	4.26E+00	4.79E+00	5.94E+00
407	489150.19	3858776.45	13.30007	4.84E+00	5.43E+00	6.74E+00
408	489200.19	3858776.45	12.78861	4.65E+00	5.22E+00	6.48E+00
409	488919.6	3856400.76	5.71422	2.08E+00	2.33E+00	2.89E+00
410	488919.6	3856450.76	5.63969	2.05E+00	2.30E+00	2.86E+00
411	488969.6	3856450.76	5.62821	2.05E+00	2.30E+00	2.85E+00
412	488919.6	3856500.76	5.52734	2.01E+00	2.26E+00	2.80E+00
413	488969.6	3856500.76	5.53315	2.01E+00	2.26E+00	2.80E+00
414	488919.6	3856550.76	5.3699	1.95E+00	2.19E+00	2.72E+00
415	488969.6	3856550.76	5.40652	1.97E+00	2.21E+00	2.74E+00
416	488819.6	3856600.76	5.02053	1.83E+00	2.05E+00	2.54E+00
417	488869.6	3856600.76	5.10888	1.86E+00	2.09E+00	2.59E+00
418	488919.6	3856600.76	5.17489	1.88E+00	2.11E+00	2.62E+00
419	488819.6	3856650.76	4.75871	1.73E+00	1.94E+00	2.41E+00
420	488869.6	3856650.76	4.86369	1.77E+00	1.99E+00	2.46E+00
421	488819.6	3856700.76	4.47347	1.63E+00	1.83E+00	2.27E+00
422	488869.6	3856700.76	4.59935	1.67E+00	1.88E+00	2.33E+00
423	488819.6	3856750.76	4.17305	1.52E+00	1.70E+00	2.11E+00
424	488869.6	3856750.76	4.30833	1.57E+00	1.76E+00	2.18E+00
425	488819.6	3857050.76	3.88723	1.41E+00	1.59E+00	1.97E+00
426	488869.6	3857050.76	3.96001	1.44E+00	1.62E+00	2.01E+00
427	488919.6	3857050.76	3.95402	1.44E+00	1.62E+00	2.00E+00
428	488819.6	3857100.76	3.889	1.41E+00	1.59E+00	1.97E+00
429	488869.6	3857100.76	3.99441	1.45E+00	1.63E+00	2.02E+00
430	488919.6	3857100.76	4.05912	1.48E+00	1.66E+00	2.06E+00
431	488819.6	3857150.76	3.86814	1.41E+00	1.58E+00	1.96E+00
432	488869.6	3857150.76	4.0042	1.46E+00	1.64E+00	2.03E+00
433	488919.6	3857150.76	4.10731	1.49E+00	1.68E+00	2.08E+00
434	488969.6	3857150.76	4.15273	1.51E+00	1.70E+00	2.10E+00
435	488819.6	3857200.76	4.07941	1.48E+00	1.67E+00	2.07E+00
436	488869.6	3857200.76	3.98433	1.45E+00	1.63E+00	2.02E+00
437	488919.6	3857200.76	4.11987	1.50E+00	1.68E+00	2.09E+00

438	488969.6	3857200.76	4.2133	1.53E+00	1.72E+00	2.13E+00
439	488819.6	3857250.76	4.34382	1.58E+00	1.77E+00	2.20E+00
440	488869.6	3857250.76	4.15145	1.51E+00	1.70E+00	2.10E+00
441	488919.6	3857250.76	4.09285	1.49E+00	1.67E+00	2.07E+00
442	488969.6	3857250.76	4.22881	1.54E+00	1.73E+00	2.14E+00
443	488819.6	3857300.76	4.67664	1.70E+00	1.91E+00	2.37E+00
444	488869.6	3857300.76	4.41692	1.61E+00	1.80E+00	2.24E+00
445	488919.6	3857300.76	4.22657	1.54E+00	1.73E+00	2.14E+00
446	488819.6	3857450.76	5.63436	2.05E+00	2.30E+00	2.85E+00
447	488869.6	3857450.76	5.47101	1.99E+00	2.23E+00	2.77E+00
448	488919.6	3857450.76	5.17379	1.88E+00	2.11E+00	2.62E+00
449	488819.6	3857500.76	5.77355	2.10E+00	2.36E+00	2.92E+00
450	488869.6	3857500.76	5.74065	2.09E+00	2.35E+00	2.91E+00
451	488919.6	3857500.76	5.5718	2.03E+00	2.28E+00	2.82E+00
452	488819.6	3857550.76	5.81955	2.12E+00	2.38E+00	2.95E+00
453	488869.6	3857550.76	5.88887	2.14E+00	2.41E+00	2.98E+00
454	488919.6	3857550.76	5.84889	2.13E+00	2.39E+00	2.96E+00
455	489663.71	3860900.05	3.06949	1.12E+00	1.25E+00	1.55E+00
456	489813.71	3860900.05	3.20743	1.17E+00	1.31E+00	1.62E+00
457	489863.71	3860900.05	3.24228	1.18E+00	1.32E+00	1.64E+00
458	489913.71	3860900.05	3.30559	1.20E+00	1.35E+00	1.67E+00
459	489963.71	3860900.05	3.34314	1.22E+00	1.37E+00	1.69E+00
460	490013.71	3860900.05	3.41137	1.24E+00	1.39E+00	1.73E+00
461	490063.71	3860900.05	3.46667	1.26E+00	1.42E+00	1.76E+00
462	489663.71	3860950.05	3.01981	1.10E+00	1.23E+00	1.53E+00
463	489813.71	3860950.05	3.14445	1.14E+00	1.28E+00	1.59E+00
464	489863.71	3860950.05	3.17159	1.15E+00	1.30E+00	1.61E+00
465	489913.71	3860950.05	3.22274	1.17E+00	1.32E+00	1.63E+00
466	489963.71	3860950.05	3.26082	1.19E+00	1.33E+00	1.65E+00
467	490013.71	3860950.05	3.30966	1.20E+00	1.35E+00	1.68E+00
468	490063.71	3860950.05	3.36107	1.22E+00	1.37E+00	1.70E+00
469	489513.71	3861000.05	2.87326	1.04E+00	1.17E+00	1.46E+00
470	489563.71	3861000.05	2.90111	1.05E+00	1.19E+00	1.47E+00
471	489613.71	3861000.05	2.93857	1.07E+00	1.20E+00	1.49E+00
472	489663.71	3861000.05	2.97153	1.08E+00	1.21E+00	1.51E+00
473	489713.71	3861000.05	2.99892	1.09E+00	1.23E+00	1.52E+00
474	489763.71	3861000.05	3.03197	1.10E+00	1.24E+00	1.54E+00
475	489813.71	3861000.05	3.08077	1.12E+00	1.26E+00	1.56E+00
476	489863.71	3861000.05	3.10169	1.13E+00	1.27E+00	1.57E+00
477	489913.71	3861000.05	3.14448	1.14E+00	1.28E+00	1.59E+00
478	489963.71	3861000.05	3.16772	1.15E+00	1.29E+00	1.60E+00
479	490013.71	3861000.05	3.20553	1.17E+00	1.31E+00	1.62E+00
480	490063.71	3861000.05	3.23939	1.18E+00	1.32E+00	1.64E+00
481	489513.71	3861050.05	2.83535	1.03E+00	1.16E+00	1.44E+00
482	489563.71	3861050.05	2.8587	1.04E+00	1.17E+00	1.45E+00
483	489613.71	3861050.05	2.89837	1.05E+00	1.18E+00	1.47E+00
484	489663.71	3861050.05	2.91509	1.06E+00	1.19E+00	1.48E+00
485	489713.71	3861050.05	2.93482	1.07E+00	1.20E+00	1.49E+00
486	489763.71	3861050.05	2.96325	1.08E+00	1.21E+00	1.50E+00
487	489813.71	3861050.05	2.99533	1.09E+00	1.22E+00	1.52E+00
488	489863.71	3861050.05	3.01605	1.10E+00	1.23E+00	1.53E+00
489	489913.71	3861050.05	3.03848	1.10E+00	1.24E+00	1.54E+00
490	489963.71	3861050.05	3.05621	1.11E+00	1.25E+00	1.55E+00
491	490013.71	3861050.05	3.08401	1.12E+00	1.26E+00	1.56E+00
492	490063.71	3861050.05	3.09431	1.12E+00	1.26E+00	1.57E+00
493	489513.71	3861100.05	2.79888	1.02E+00	1.14E+00	1.42E+00
494	489563.71	3861100.05	2.80491	1.02E+00	1.15E+00	1.42E+00
495	489613.71	3861100.05	2.80671	1.02E+00	1.15E+00	1.42E+00
496	489663.71	3861100.05	2.82862	1.03E+00	1.16E+00	1.43E+00
497	489713.71	3861100.05	2.84914	1.04E+00	1.16E+00	1.44E+00
498	489763.71	3861100.05	2.86671	1.04E+00	1.17E+00	1.45E+00
499	489813.71	3861100.05	2.88695	1.05E+00	1.18E+00	1.46E+00
500	489863.71	3861100.05	2.90959	1.06E+00	1.19E+00	1.47E+00

501	489913.71	3861100.05	2.90537	1.06E+00	1.19E+00	1.47E+00
502	489963.71	3861100.05	2.90585	1.06E+00	1.19E+00	1.47E+00
503	490013.71	3861100.05	2.89146	1.05E+00	1.18E+00	1.46E+00
504	490063.71	3861100.05	2.91473	1.06E+00	1.19E+00	1.48E+00
505	489713.71	3861150.05	2.74129	9.97E-01	1.12E+00	1.39E+00
506	489763.71	3861150.05	2.74742	9.99E-01	1.12E+00	1.39E+00
507	489813.71	3861150.05	2.74963	1.00E+00	1.12E+00	1.39E+00
508	489863.71	3861150.05	2.74077	9.96E-01	1.12E+00	1.39E+00
509	489913.71	3861150.05	2.75794	1.00E+00	1.13E+00	1.40E+00
510	489963.71	3861150.05	2.78121	1.01E+00	1.14E+00	1.41E+00
511	490013.71	3861150.05	2.80447	1.02E+00	1.15E+00	1.42E+00
512	490063.71	3861150.05	2.83804	1.03E+00	1.16E+00	1.44E+00
513	489613.71	3861200.05	2.60545	9.47E-01	1.06E+00	1.32E+00
514	489663.71	3861200.05	2.60419	9.47E-01	1.06E+00	1.32E+00
515	489713.71	3861200.05	2.59751	9.44E-01	1.06E+00	1.32E+00
516	489763.71	3861200.05	2.61872	9.52E-01	1.07E+00	1.33E+00
517	489813.71	3861200.05	2.64878	9.63E-01	1.08E+00	1.34E+00
518	489863.71	3861200.05	2.68114	9.75E-01	1.10E+00	1.36E+00
519	489913.71	3861200.05	2.70132	9.82E-01	1.10E+00	1.37E+00
520	489963.71	3861200.05	2.71584	9.87E-01	1.11E+00	1.38E+00
521	490013.71	3861200.05	2.73549	9.95E-01	1.12E+00	1.39E+00
522	490063.71	3861200.05	2.74736	9.99E-01	1.12E+00	1.39E+00
523	489513.71	3861250.05	2.47766	9.01E-01	1.01E+00	1.25E+00
524	489563.71	3861250.05	2.47505	9.00E-01	1.01E+00	1.25E+00
525	489613.71	3861250.05	2.49544	9.07E-01	1.02E+00	1.26E+00
526	489663.71	3861250.05	2.51797	9.15E-01	1.03E+00	1.28E+00
527	489713.71	3861250.05	2.54328	9.25E-01	1.04E+00	1.29E+00
528	489763.71	3861250.05	2.56781	9.34E-01	1.05E+00	1.30E+00
529	489813.71	3861250.05	2.59069	9.42E-01	1.06E+00	1.31E+00
530	489863.71	3861250.05	2.61108	9.49E-01	1.07E+00	1.32E+00
531	489913.71	3861250.05	2.63066	9.56E-01	1.07E+00	1.33E+00
532	489963.71	3861250.05	2.6419	9.60E-01	1.08E+00	1.34E+00
533	490013.71	3861250.05	2.645	9.62E-01	1.08E+00	1.34E+00
534	490063.71	3861250.05	2.63368	9.57E-01	1.08E+00	1.33E+00
535	489528.13	3861308.47	2.39702	8.71E-01	9.79E-01	1.21E+00
536	489578.13	3861308.47	2.42155	8.80E-01	9.89E-01	1.23E+00
537	489628.13	3861308.47	2.44348	8.88E-01	9.98E-01	1.24E+00
538	489678.13	3861308.47	2.46577	8.96E-01	1.01E+00	1.25E+00
539	489728.13	3861308.47	2.48467	9.03E-01	1.02E+00	1.26E+00
540	489778.13	3861308.47	2.49712	9.08E-01	1.02E+00	1.26E+00
541	489678.13	3861358.47	2.40058	8.73E-01	9.81E-01	1.22E+00
542	489728.13	3861358.47	2.40889	8.76E-01	9.84E-01	1.22E+00
543	489528.13	3861408.47	2.29474	8.34E-01	9.37E-01	1.16E+00
544	489578.13	3861408.47	2.3065	8.39E-01	9.42E-01	1.17E+00
545	489628.13	3861408.47	2.32238	8.44E-01	9.49E-01	1.18E+00
546	489678.13	3861408.47	2.31994	8.43E-01	9.48E-01	1.18E+00
547	489728.13	3861408.47	2.31105	8.40E-01	9.44E-01	1.17E+00
548	489528.13	3861458.47	2.22981	8.11E-01	9.11E-01	1.13E+00
549	489578.13	3861458.47	2.23123	8.11E-01	9.11E-01	1.13E+00
550	489628.13	3861458.47	2.22533	8.09E-01	9.09E-01	1.13E+00
551	489678.13	3861458.47	2.20924	8.03E-01	9.02E-01	1.12E+00
552	489728.13	3861458.47	2.17845	7.92E-01	8.90E-01	1.10E+00
553	489528.13	3861508.47	2.14122	7.78E-01	8.75E-01	1.08E+00
554	489578.13	3861508.47	2.12503	7.73E-01	8.68E-01	1.08E+00
555	489628.13	3861508.47	2.10012	7.64E-01	8.58E-01	1.06E+00
556	489678.13	3861508.47	2.0635	7.50E-01	8.43E-01	1.05E+00
557	489728.13	3861508.47	2.02134	7.35E-01	8.26E-01	1.02E+00
558	489628.13	3861558.47	1.95968	7.12E-01	8.01E-01	9.93E-01
559	489678.13	3861558.47	1.98173	7.20E-01	8.10E-01	1.00E+00
560	489728.13	3861558.47	2.00001	7.27E-01	8.17E-01	1.01E+00
561	489357.08	3861015.81	2.76911	1.01E+00	1.13E+00	1.40E+00
562	489407.08	3861015.81	2.7896	1.01E+00	1.14E+00	1.41E+00
563	489457.08	3861015.81	2.81745	1.02E+00	1.15E+00	1.43E+00

564	489357.08	3861065.81	2.73329	9.94E-01	1.12E+00	1.38E+00
565	489407.08	3861065.81	2.75133	1.00E+00	1.12E+00	1.39E+00
566	489457.08	3861065.81	2.77703	1.01E+00	1.13E+00	1.41E+00
567	489357.08	3861115.81	2.68839	9.77E-01	1.10E+00	1.36E+00
568	489407.08	3861115.81	2.71366	9.87E-01	1.11E+00	1.37E+00
569	489457.08	3861115.81	2.73799	9.95E-01	1.12E+00	1.39E+00
570	489407.08	3861165.81	2.66352	9.68E-01	1.09E+00	1.35E+00
571	489457.08	3861165.81	2.67505	9.73E-01	1.09E+00	1.35E+00
572	489407.08	3861215.81	2.56567	9.33E-01	1.05E+00	1.30E+00
573	489457.08	3861215.81	2.57224	9.35E-01	1.05E+00	1.30E+00
574	489407.08	3861265.81	2.44372	8.88E-01	9.98E-01	1.24E+00
575	489457.08	3861265.81	2.44411	8.89E-01	9.98E-01	1.24E+00
576	489309.86	3861110.14	2.66601	9.69E-01	1.09E+00	1.35E+00
577	489407.08	3861315.81	2.33444	8.49E-01	9.54E-01	1.18E+00
578	489457.08	3861315.81	2.36079	8.58E-01	9.64E-01	1.20E+00
579	488906.03	3861006.75	2.60186	9.46E-01	1.06E+00	1.32E+00
580	488956.03	3861006.75	2.63043	9.56E-01	1.07E+00	1.33E+00
581	488904.24	3861051.87	2.58903	9.41E-01	1.06E+00	1.31E+00
582	488954.24	3861051.87	2.59987	9.45E-01	1.06E+00	1.32E+00
583	489004.24	3861051.87	2.62815	9.55E-01	1.07E+00	1.33E+00
584	488804.24	3861101.87	2.49451	9.07E-01	1.02E+00	1.26E+00
585	488854.24	3861101.87	2.51844	9.16E-01	1.03E+00	1.28E+00
586	488904.24	3861101.87	2.50448	9.11E-01	1.02E+00	1.27E+00
587	488954.24	3861101.87	2.51156	9.13E-01	1.03E+00	1.27E+00
588	489004.24	3861101.87	2.53511	9.22E-01	1.04E+00	1.28E+00
589	488804.24	3861151.87	2.40029	8.73E-01	9.81E-01	1.22E+00
590	488854.24	3861151.87	2.41141	8.77E-01	9.85E-01	1.22E+00
591	489129.49	3861187.55	2.49442	9.07E-01	1.02E+00	1.26E+00
592	489179.49	3861187.55	2.51237	9.13E-01	1.03E+00	1.27E+00
593	488804.24	3861201.87	2.36649	8.60E-01	9.67E-01	1.20E+00
594	488854.24	3861201.87	2.36691	8.61E-01	9.67E-01	1.20E+00
595	489129.49	3861237.55	2.458	8.94E-01	1.00E+00	1.25E+00
596	489179.49	3861237.55	2.46184	8.95E-01	1.01E+00	1.25E+00
597	488804.24	3861251.87	2.33722	8.50E-01	9.55E-01	1.18E+00
598	488854.24	3861251.87	2.33479	8.49E-01	9.54E-01	1.18E+00
599	488804.24	3861301.87	2.29423	8.34E-01	9.37E-01	1.16E+00
600	488854.24	3861301.87	2.298	8.35E-01	9.39E-01	1.16E+00
601	490943.5	3860181.97	14.79596	5.38E+00	6.04E+00	7.49E+00
602	490993.5	3860181.97	15.23687	5.54E+00	6.22E+00	7.72E+00
603	491043.5	3860181.97	16.01437	5.82E+00	6.54E+00	8.11E+00
604	491093.5	3860181.97	17.66845	6.42E+00	7.22E+00	8.95E+00
605	490943.5	3860231.97	13.56411	4.93E+00	5.54E+00	6.87E+00
606	490993.5	3860231.97	14.06186	5.11E+00	5.74E+00	7.12E+00
607	491043.5	3860231.97	14.31085	5.20E+00	5.85E+00	7.25E+00
608	491093.5	3860231.97	14.64568	5.32E+00	5.98E+00	7.42E+00
609	490943.5	3860281.97	12.30645	4.47E+00	5.03E+00	6.23E+00
610	490993.5	3860281.97	12.86337	4.68E+00	5.25E+00	6.52E+00
611	491043.5	3860281.97	13.20822	4.80E+00	5.40E+00	6.69E+00
612	491093.5	3860281.97	13.47039	4.90E+00	5.50E+00	6.82E+00
613	490943.5	3860331.97	11.53038	4.19E+00	4.71E+00	5.84E+00
614	490993.5	3860331.97	11.67637	4.25E+00	4.77E+00	5.91E+00
615	491043.5	3860331.97	12.01148	4.37E+00	4.91E+00	6.08E+00
616	491093.5	3860331.97	12.38264	4.50E+00	5.06E+00	6.27E+00
617	490086.72	3859935.12	11.13959	4.05E+00	4.55E+00	5.64E+00
618	490136.72	3859935.12	11.95287	4.35E+00	4.88E+00	6.05E+00
619	490186.72	3859935.12	12.94495	4.71E+00	5.29E+00	6.56E+00
620	490236.72	3859935.12	13.89585	5.05E+00	5.68E+00	7.04E+00
621	490286.72	3859935.12	14.85065	5.40E+00	6.07E+00	7.52E+00
622	490336.72	3859935.12	16.13044	5.86E+00	6.59E+00	8.17E+00
623	490386.72	3859935.12	17.207	6.26E+00	7.03E+00	8.72E+00
624	490436.72	3859935.12	17.93523	6.52E+00	7.33E+00	9.08E+00
625	490486.72	3859935.12	19.19701	6.98E+00	7.84E+00	9.72E+00
626	490536.72	3859935.12	20.46502	7.44E+00	8.36E+00	1.04E+01

627	490586.72	3859935.12	22.00732	8.00E+00	8.99E+00	1.11E+01
628	490636.72	3859935.12	25.49545	9.27E+00	1.04E+01	1.29E+01
629	490686.72	3859935.12	30.07159	1.09E+01	1.23E+01	1.52E+01
630	490736.72	3859935.12	34.24274	1.24E+01	1.40E+01	1.73E+01
631	490086.72	3859985.12	10.18655	3.70E+00	4.16E+00	5.16E+00
632	490136.72	3859985.12	10.35144	3.76E+00	4.23E+00	5.24E+00
633	490186.72	3859985.12	11.33422	4.12E+00	4.63E+00	5.74E+00
634	490236.72	3859985.12	12.2999	4.47E+00	5.02E+00	6.23E+00
635	490286.72	3859985.12	13.14767	4.78E+00	5.37E+00	6.66E+00
636	490336.72	3859985.12	13.88606	5.05E+00	5.67E+00	7.03E+00
637	490386.72	3859985.12	14.93713	5.43E+00	6.10E+00	7.57E+00
638	490436.72	3859985.12	15.85104	5.76E+00	6.48E+00	8.03E+00
639	490486.72	3859985.12	16.54146	6.01E+00	6.76E+00	8.38E+00
640	490536.72	3859985.12	17.51617	6.37E+00	7.16E+00	8.87E+00
641	490586.72	3859985.12	18.63661	6.78E+00	7.61E+00	9.44E+00
642	490636.72	3859985.12	19.68354	7.16E+00	8.04E+00	9.97E+00
643	490686.72	3859985.12	21.38957	7.78E+00	8.74E+00	1.08E+01
644	490736.72	3859985.12	24.83985	9.03E+00	1.01E+01	1.26E+01
645	490786.72	3859985.12	28.13765	1.02E+01	1.15E+01	1.43E+01
646	490086.72	3860035.12	9.27169	3.37E+00	3.79E+00	4.70E+00
647	490136.72	3860035.12	9.41012	3.42E+00	3.84E+00	4.77E+00
648	490186.72	3860035.12	9.83683	3.58E+00	4.02E+00	4.98E+00
649	490236.72	3860035.12	10.76386	3.91E+00	4.40E+00	5.45E+00
650	490286.72	3860035.12	11.60533	4.22E+00	4.74E+00	5.88E+00
651	490336.72	3860035.12	12.42411	4.52E+00	5.08E+00	6.29E+00
652	490386.72	3860035.12	13.01648	4.73E+00	5.32E+00	6.59E+00
653	490436.72	3860035.12	13.8897	5.05E+00	5.67E+00	7.04E+00
654	490486.72	3860035.12	14.74429	5.36E+00	6.02E+00	7.47E+00
655	490536.72	3860035.12	15.44222	5.61E+00	6.31E+00	7.82E+00
656	490586.72	3860035.12	16.02726	5.83E+00	6.55E+00	8.12E+00
657	490636.72	3860035.12	16.87247	6.13E+00	6.89E+00	8.55E+00
658	490686.72	3860035.12	17.74764	6.45E+00	7.25E+00	8.99E+00
659	490736.72	3860035.12	18.88814	6.87E+00	7.72E+00	9.57E+00
660	490786.72	3860035.12	20.41256	7.42E+00	8.34E+00	1.03E+01
661	490836.72	3860035.12	23.25655	8.46E+00	9.50E+00	1.18E+01
662	490086.72	3860085.12	8.4824	3.08E+00	3.47E+00	4.30E+00
663	490136.72	3860085.12	8.4602	3.08E+00	3.46E+00	4.29E+00
664	490186.72	3860085.12	8.71604	3.17E+00	3.56E+00	4.41E+00
665	490236.72	3860085.12	9.40344	3.42E+00	3.84E+00	4.76E+00
666	490286.72	3860085.12	10.2628	3.73E+00	4.19E+00	5.20E+00
667	490336.72	3860085.12	11.02677	4.01E+00	4.50E+00	5.59E+00
668	490386.72	3860085.12	11.71052	4.26E+00	4.78E+00	5.93E+00
669	490436.72	3860085.12	12.27785	4.46E+00	5.02E+00	6.22E+00
670	490486.72	3860085.12	12.95337	4.71E+00	5.29E+00	6.56E+00
671	490536.72	3860085.12	13.78318	5.01E+00	5.63E+00	6.98E+00
672	490586.72	3860085.12	14.42207	5.24E+00	5.89E+00	7.30E+00
673	490636.72	3860085.12	14.82216	5.39E+00	6.05E+00	7.51E+00
674	490686.72	3860085.12	15.58728	5.67E+00	6.37E+00	7.90E+00
675	490736.72	3860085.12	16.41542	5.97E+00	6.71E+00	8.31E+00
676	490786.72	3860085.12	17.12224	6.22E+00	6.99E+00	8.67E+00
677	490836.72	3860085.12	17.74664	6.45E+00	7.25E+00	8.99E+00
678	490086.72	3860135.12	7.45702	2.71E+00	3.05E+00	3.78E+00
679	490136.72	3860135.12	7.58668	2.76E+00	3.10E+00	3.84E+00
680	490186.72	3860135.12	7.94269	2.89E+00	3.24E+00	4.02E+00
681	490236.72	3860135.12	8.3421	3.03E+00	3.41E+00	4.23E+00
682	490286.72	3860135.12	8.96715	3.26E+00	3.66E+00	4.54E+00
683	490336.72	3860135.12	9.77017	3.55E+00	3.99E+00	4.95E+00
684	490386.72	3860135.12	10.4869	3.81E+00	4.28E+00	5.31E+00
685	490436.72	3860135.12	11.09621	4.03E+00	4.53E+00	5.62E+00
686	490486.72	3860135.12	11.60408	4.22E+00	4.74E+00	5.88E+00
687	490536.72	3860135.12	12.18942	4.43E+00	4.98E+00	6.17E+00
688	490586.72	3860135.12	12.94207	4.71E+00	5.29E+00	6.56E+00
689	490636.72	3860135.12	13.51378	4.91E+00	5.52E+00	6.84E+00

690	490686.72	3860135.12	13.90758	5.06E+00	5.68E+00	7.04E+00
691	490736.72	3860135.12	14.35988	5.22E+00	5.87E+00	7.27E+00
692	490786.72	3860135.12	15.1533	5.51E+00	6.19E+00	7.68E+00
693	490836.72	3860135.12	15.65785	5.69E+00	6.40E+00	7.93E+00
694	490086.72	3860185.12	6.79154	2.47E+00	2.77E+00	3.44E+00
695	490136.72	3860185.12	6.96872	2.53E+00	2.85E+00	3.53E+00
696	490186.72	3860185.12	7.34845	2.67E+00	3.00E+00	3.72E+00
697	490236.72	3860185.12	7.64331	2.78E+00	3.12E+00	3.87E+00
698	490286.72	3860185.12	8.01056	2.91E+00	3.27E+00	4.06E+00
699	490336.72	3860185.12	8.57622	3.12E+00	3.50E+00	4.34E+00
700	490386.72	3860185.12	9.31051	3.38E+00	3.80E+00	4.72E+00
701	490436.72	3860185.12	9.98242	3.63E+00	4.08E+00	5.06E+00
702	490486.72	3860185.12	10.55903	3.84E+00	4.31E+00	5.35E+00
703	490536.72	3860185.12	11.04511	4.02E+00	4.51E+00	5.59E+00
704	490586.72	3860185.12	11.49632	4.18E+00	4.70E+00	5.82E+00
705	490636.72	3860185.12	12.17386	4.43E+00	4.97E+00	6.17E+00
706	490686.72	3860185.12	12.74334	4.63E+00	5.21E+00	6.45E+00
707	490736.72	3860185.12	13.09149	4.76E+00	5.35E+00	6.63E+00
708	490786.72	3860185.12	13.3961	4.87E+00	5.47E+00	6.79E+00
709	490836.72	3860185.12	13.97845	5.08E+00	5.71E+00	7.08E+00
710	490086.72	3860235.12	6.36165	2.31E+00	2.60E+00	3.22E+00
711	490136.72	3860235.12	6.49231	2.36E+00	2.65E+00	3.29E+00
712	490186.72	3860235.12	6.76017	2.46E+00	2.76E+00	3.42E+00
713	490236.72	3860235.12	7.09266	2.58E+00	2.90E+00	3.59E+00
714	490286.72	3860235.12	7.36926	2.68E+00	3.01E+00	3.73E+00
715	490336.72	3860235.12	7.71043	2.80E+00	3.15E+00	3.91E+00
716	490386.72	3860235.12	8.234	2.99E+00	3.36E+00	4.17E+00
717	490436.72	3860235.12	8.91673	3.24E+00	3.64E+00	4.52E+00
718	490486.72	3860235.12	9.54088	3.47E+00	3.90E+00	4.83E+00
719	490536.72	3860235.12	10.09722	3.67E+00	4.12E+00	5.11E+00
720	490586.72	3860235.12	10.5549	3.84E+00	4.31E+00	5.35E+00
721	490636.72	3860235.12	10.87713	3.95E+00	4.44E+00	5.51E+00
722	490686.72	3860235.12	11.52161	4.19E+00	4.71E+00	5.84E+00
723	490736.72	3860235.12	12.03792	4.38E+00	4.92E+00	6.10E+00
724	490786.72	3860235.12	12.40549	4.51E+00	5.07E+00	6.28E+00
725	490086.72	3860285.12	6.03603	2.19E+00	2.47E+00	3.06E+00
726	490136.72	3860285.12	6.24821	2.27E+00	2.55E+00	3.16E+00
727	490186.72	3860285.12	6.39794	2.33E+00	2.61E+00	3.24E+00
728	490236.72	3860285.12	6.56626	2.39E+00	2.68E+00	3.33E+00
729	490286.72	3860285.12	6.8604	2.49E+00	2.80E+00	3.47E+00
730	490336.72	3860285.12	7.11374	2.59E+00	2.91E+00	3.60E+00
731	490386.72	3860285.12	7.43551	2.70E+00	3.04E+00	3.77E+00
732	490436.72	3860285.12	7.91757	2.88E+00	3.23E+00	4.01E+00
733	490486.72	3860285.12	8.54953	3.11E+00	3.49E+00	4.33E+00
734	490536.72	3860285.12	9.13558	3.32E+00	3.73E+00	4.63E+00
735	490586.72	3860285.12	9.6467	3.51E+00	3.94E+00	4.89E+00
736	490636.72	3860285.12	10.06798	3.66E+00	4.11E+00	5.10E+00
737	490686.72	3860285.12	10.3841	3.78E+00	4.24E+00	5.26E+00
738	490736.72	3860285.12	10.90302	3.96E+00	4.45E+00	5.52E+00
739	490786.72	3860285.12	11.42453	4.15E+00	4.67E+00	5.79E+00
740	490086.72	3860335.12	5.80478	2.11E+00	2.37E+00	2.94E+00
741	490136.72	3860335.12	5.93695	2.16E+00	2.43E+00	3.01E+00
742	490186.72	3860335.12	6.07745	2.21E+00	2.48E+00	3.08E+00
743	490236.72	3860335.12	6.22198	2.26E+00	2.54E+00	3.15E+00
744	490286.72	3860335.12	6.37719	2.32E+00	2.61E+00	3.23E+00
745	490336.72	3860335.12	6.64273	2.42E+00	2.71E+00	3.36E+00
746	490386.72	3860335.12	6.88059	2.50E+00	2.81E+00	3.49E+00
747	490436.72	3860335.12	7.17172	2.61E+00	2.93E+00	3.63E+00
748	490486.72	3860335.12	7.62094	2.77E+00	3.11E+00	3.86E+00
749	490536.72	3860335.12	8.21542	2.99E+00	3.36E+00	4.16E+00
750	490586.72	3860335.12	8.76858	3.19E+00	3.58E+00	4.44E+00
751	490636.72	3860335.12	9.25722	3.37E+00	3.78E+00	4.69E+00
752	490686.72	3860335.12	9.65257	3.51E+00	3.94E+00	4.89E+00

753	490736.72	3860335.12	9.93904	3.61E+00	4.06E+00	5.03E+00
754	490786.72	3860335.12	10.39018	3.78E+00	4.24E+00	5.26E+00
755	490086.72	3860385.12	5.61448	2.04E+00	2.29E+00	2.84E+00
756	490136.72	3860385.12	5.74129	2.09E+00	2.35E+00	2.91E+00
757	490186.72	3860385.12	5.87194	2.13E+00	2.40E+00	2.97E+00
758	490236.72	3860385.12	6.01031	2.19E+00	2.46E+00	3.04E+00
759	490286.72	3860385.12	6.15181	2.24E+00	2.51E+00	3.12E+00
760	490336.72	3860385.12	6.30101	2.29E+00	2.57E+00	3.19E+00
761	490386.72	3860385.12	6.46043	2.35E+00	2.64E+00	3.27E+00
762	490436.72	3860385.12	6.65523	2.42E+00	2.72E+00	3.37E+00
763	490486.72	3860385.12	6.93512	2.52E+00	2.83E+00	3.51E+00
764	490536.72	3860385.12	7.35978	2.68E+00	3.01E+00	3.73E+00
765	490586.72	3860385.12	7.90533	2.87E+00	3.23E+00	4.00E+00
766	490636.72	3860385.12	8.43408	3.07E+00	3.45E+00	4.27E+00
767	490686.72	3860385.12	8.90617	3.24E+00	3.64E+00	4.51E+00
768	490736.72	3860385.12	9.26416	3.37E+00	3.78E+00	4.69E+00
769	490786.72	3860385.12	9.5345	3.47E+00	3.89E+00	4.83E+00
770	490136.72	3860435.12	5.55728	2.02E+00	2.27E+00	2.81E+00
771	490186.72	3860435.12	5.68068	2.07E+00	2.32E+00	2.88E+00
772	490236.72	3860435.12	5.80759	2.11E+00	2.37E+00	2.94E+00
773	490286.72	3860435.12	5.94002	2.16E+00	2.43E+00	3.01E+00
774	490336.72	3860435.12	6.08159	2.21E+00	2.48E+00	3.08E+00
775	490386.72	3860435.12	6.22805	2.26E+00	2.54E+00	3.15E+00
776	490436.72	3860435.12	6.38167	2.32E+00	2.61E+00	3.23E+00
777	490486.72	3860435.12	6.5433	2.38E+00	2.67E+00	3.31E+00
778	490536.72	3860435.12	6.71562	2.44E+00	2.74E+00	3.40E+00
779	490586.72	3860435.12	7.10147	2.58E+00	2.90E+00	3.60E+00
780	490636.72	3860435.12	7.6031	2.76E+00	3.11E+00	3.85E+00
781	490686.72	3860435.12	8.11637	2.95E+00	3.32E+00	4.11E+00
782	490736.72	3860435.12	8.57026	3.12E+00	3.50E+00	4.34E+00
783	490786.72	3860435.12	8.91351	3.24E+00	3.64E+00	4.51E+00
784	490136.72	3860485.12	5.38241	1.96E+00	2.20E+00	2.73E+00
785	490186.72	3860485.12	5.5014	2.00E+00	2.25E+00	2.79E+00
786	490236.72	3860485.12	5.6179	2.04E+00	2.29E+00	2.85E+00
787	490286.72	3860485.12	5.74173	2.09E+00	2.35E+00	2.91E+00
788	490336.72	3860485.12	5.86816	2.13E+00	2.40E+00	2.97E+00
789	490386.72	3860485.12	6.00332	2.18E+00	2.45E+00	3.04E+00
790	490436.72	3860485.12	6.14813	2.24E+00	2.51E+00	3.11E+00
791	490486.72	3860485.12	6.29309	2.29E+00	2.57E+00	3.19E+00
792	490536.72	3860485.12	6.43967	2.34E+00	2.63E+00	3.26E+00
793	490586.72	3860485.12	6.59001	2.40E+00	2.69E+00	3.34E+00
794	490636.72	3860485.12	6.86503	2.50E+00	2.80E+00	3.48E+00
795	490686.72	3860485.12	7.32991	2.66E+00	2.99E+00	3.71E+00
796	490736.72	3860485.12	7.82108	2.84E+00	3.19E+00	3.96E+00
797	490786.72	3860485.12	8.24146	3.00E+00	3.37E+00	4.17E+00
798	490136.72	3860535.12	5.21066	1.89E+00	2.13E+00	2.64E+00
799	490186.72	3860535.12	5.30432	1.93E+00	2.17E+00	2.69E+00
800	490236.72	3860535.12	5.42082	1.97E+00	2.21E+00	2.75E+00
801	490286.72	3860535.12	5.53053	2.01E+00	2.26E+00	2.80E+00
802	490336.72	3860535.12	5.64779	2.05E+00	2.31E+00	2.86E+00
803	490386.72	3860535.12	5.773	2.10E+00	2.36E+00	2.92E+00
804	490436.72	3860535.12	5.9032	2.15E+00	2.41E+00	2.99E+00
805	490486.72	3860535.12	6.03774	2.20E+00	2.47E+00	3.06E+00
806	490536.72	3860535.12	6.18962	2.25E+00	2.53E+00	3.14E+00
807	490586.72	3860535.12	6.30346	2.29E+00	2.58E+00	3.19E+00
808	490636.72	3860535.12	6.43781	2.34E+00	2.63E+00	3.26E+00
809	490686.72	3860535.12	6.64684	2.42E+00	2.72E+00	3.37E+00
810	490736.72	3860535.12	7.08157	2.57E+00	2.89E+00	3.59E+00
811	490786.72	3860535.12	7.54921	2.74E+00	3.08E+00	3.82E+00
812	490136.72	3860585.12	4.99953	1.82E+00	2.04E+00	2.53E+00
813	490186.72	3860585.12	5.08756	1.85E+00	2.08E+00	2.58E+00
814	490236.72	3860585.12	5.1905	1.89E+00	2.12E+00	2.63E+00
815	490286.72	3860585.12	5.29272	1.92E+00	2.16E+00	2.68E+00

816	490336.72	3860585.12	5.3935	1.96E+00	2.20E+00	2.73E+00
817	490386.72	3860585.12	5.4972	2.00E+00	2.25E+00	2.78E+00
818	490436.72	3860585.12	5.62267	2.04E+00	2.30E+00	2.85E+00
819	490486.72	3860585.12	5.74347	2.09E+00	2.35E+00	2.91E+00
820	490536.72	3860585.12	5.86457	2.13E+00	2.40E+00	2.97E+00
821	490586.72	3860585.12	5.9418	2.16E+00	2.43E+00	3.01E+00
822	490636.72	3860585.12	6.06378	2.20E+00	2.48E+00	3.07E+00
823	490686.72	3860585.12	6.18645	2.25E+00	2.53E+00	3.13E+00
824	490736.72	3860585.12	6.43648	2.34E+00	2.63E+00	3.26E+00
825	490786.72	3860585.12	6.843	2.49E+00	2.80E+00	3.47E+00
826	490136.72	3860635.12	4.76614	1.73E+00	1.95E+00	2.41E+00
827	490186.72	3860635.12	4.84267	1.76E+00	1.98E+00	2.45E+00
828	490236.72	3860635.12	4.90886	1.78E+00	2.01E+00	2.49E+00
829	490286.72	3860635.12	4.98402	1.81E+00	2.04E+00	2.52E+00
830	490336.72	3860635.12	5.06666	1.84E+00	2.07E+00	2.57E+00
831	490386.72	3860635.12	5.14996	1.87E+00	2.10E+00	2.61E+00
832	490436.72	3860635.12	5.23084	1.90E+00	2.14E+00	2.65E+00
833	490486.72	3860635.12	5.31764	1.93E+00	2.17E+00	2.69E+00
834	490536.72	3860635.12	5.41467	1.97E+00	2.21E+00	2.74E+00
835	490586.72	3860635.12	5.48428	1.99E+00	2.24E+00	2.78E+00
836	490636.72	3860635.12	5.58685	2.03E+00	2.28E+00	2.83E+00
837	490686.72	3860635.12	5.71556	2.08E+00	2.33E+00	2.89E+00
838	490736.72	3860635.12	5.92528	2.15E+00	2.42E+00	3.00E+00
839	490786.72	3860635.12	6.23694	2.27E+00	2.55E+00	3.16E+00
840	490136.72	3860685.12	4.44906	1.62E+00	1.82E+00	2.25E+00
841	490186.72	3860685.12	4.7684	1.73E+00	1.95E+00	2.42E+00
842	490236.72	3860685.12	4.54567	1.65E+00	1.86E+00	2.30E+00
843	490286.72	3860685.12	4.57146	1.66E+00	1.87E+00	2.32E+00
844	490336.72	3860685.12	4.63041	1.68E+00	1.89E+00	2.35E+00
845	490386.72	3860685.12	4.6788	1.70E+00	1.91E+00	2.37E+00
846	490436.72	3860685.12	4.71682	1.71E+00	1.93E+00	2.39E+00
847	490486.72	3860685.12	4.75013	1.73E+00	1.94E+00	2.41E+00
848	490536.72	3860685.12	4.79795	1.74E+00	1.96E+00	2.43E+00
849	490586.72	3860685.12	5.05269	1.84E+00	2.06E+00	2.56E+00
850	490636.72	3860685.12	5.27066	1.92E+00	2.15E+00	2.67E+00
851	490686.72	3860685.12	5.44905	1.98E+00	2.23E+00	2.76E+00
852	490736.72	3860685.12	5.55616	2.02E+00	2.27E+00	2.81E+00
853	490786.72	3860685.12	5.80023	2.11E+00	2.37E+00	2.94E+00
854	490136.72	3860735.12	3.99881	1.45E+00	1.63E+00	2.03E+00
855	490186.72	3860735.12	4.01212	1.46E+00	1.64E+00	2.03E+00
856	490236.72	3860735.12	4.02703	1.46E+00	1.65E+00	2.04E+00
857	490286.72	3860735.12	4.09626	1.49E+00	1.67E+00	2.07E+00
858	490336.72	3860735.12	4.16775	1.52E+00	1.70E+00	2.11E+00
859	490386.72	3860735.12	4.26084	1.55E+00	1.74E+00	2.16E+00
860	490436.72	3860735.12	4.381	1.59E+00	1.79E+00	2.22E+00
861	490486.72	3860735.12	4.42132	1.61E+00	1.81E+00	2.24E+00
862	490536.72	3860735.12	4.44894	1.62E+00	1.82E+00	2.25E+00
863	490586.72	3860735.12	4.68019	1.70E+00	1.91E+00	2.37E+00
864	490636.72	3860735.12	4.9152	1.79E+00	2.01E+00	2.49E+00
865	490686.72	3860735.12	5.13299	1.87E+00	2.10E+00	2.60E+00
866	490736.72	3860735.12	5.30859	1.93E+00	2.17E+00	2.69E+00
867	490136.72	3860785.12	3.77245	1.37E+00	1.54E+00	1.91E+00
868	490186.72	3860785.12	3.8356	1.39E+00	1.57E+00	1.94E+00
869	490236.72	3860785.12	3.89612	1.42E+00	1.59E+00	1.97E+00
870	490286.72	3860785.12	3.9611	1.44E+00	1.62E+00	2.01E+00
871	490336.72	3860785.12	4.02431	1.46E+00	1.64E+00	2.04E+00
872	490386.72	3860785.12	4.11804	1.50E+00	1.68E+00	2.09E+00
873	490436.72	3860785.12	4.18518	1.52E+00	1.71E+00	2.12E+00
874	490486.72	3860785.12	4.27903	1.56E+00	1.75E+00	2.17E+00
875	490536.72	3860785.12	4.32836	1.57E+00	1.77E+00	2.19E+00
876	490586.72	3860785.12	4.34351	1.58E+00	1.77E+00	2.20E+00
877	490636.72	3860785.12	4.5667	1.66E+00	1.87E+00	2.31E+00
878	490686.72	3860785.12	4.79429	1.74E+00	1.96E+00	2.43E+00

879	490736.72	3860785.12	4.99917	1.82E+00	2.04E+00	2.53E+00
880	490086.72	3860835.12	3.60831	1.31E+00	1.47E+00	1.83E+00
881	490136.72	3860835.12	3.67846	1.34E+00	1.50E+00	1.86E+00
882	490186.72	3860835.12	3.72438	1.35E+00	1.52E+00	1.89E+00
883	490236.72	3860835.12	3.77555	1.37E+00	1.54E+00	1.91E+00
884	490286.72	3860835.12	3.83918	1.40E+00	1.57E+00	1.94E+00
885	490336.72	3860835.12	3.89061	1.41E+00	1.59E+00	1.97E+00
886	490386.72	3860835.12	3.94848	1.44E+00	1.61E+00	2.00E+00
887	490436.72	3860835.12	4.02594	1.46E+00	1.64E+00	2.04E+00
888	490486.72	3860835.12	4.09648	1.49E+00	1.67E+00	2.07E+00
889	490536.72	3860835.12	4.1523	1.51E+00	1.70E+00	2.10E+00
890	490586.72	3860835.12	4.1855	1.52E+00	1.71E+00	2.12E+00
891	490636.72	3860835.12	4.23355	1.54E+00	1.73E+00	2.14E+00
892	490686.72	3860835.12	4.47902	1.63E+00	1.83E+00	2.27E+00
893	490736.72	3860835.12	4.70349	1.71E+00	1.92E+00	2.38E+00
894	490086.72	3860885.12	3.52167	1.28E+00	1.44E+00	1.78E+00
895	490136.72	3860885.12	3.57153	1.30E+00	1.46E+00	1.81E+00
896	490186.72	3860885.12	3.61636	1.31E+00	1.48E+00	1.83E+00
897	490236.72	3860885.12	3.66451	1.33E+00	1.50E+00	1.86E+00
898	490286.72	3860885.12	3.7111	1.35E+00	1.52E+00	1.88E+00
899	490336.72	3860885.12	3.75058	1.36E+00	1.53E+00	1.90E+00
900	490386.72	3860885.12	3.80591	1.38E+00	1.55E+00	1.93E+00
901	490436.72	3860885.12	3.86531	1.41E+00	1.58E+00	1.96E+00
902	490486.72	3860885.12	3.91034	1.42E+00	1.60E+00	1.98E+00
903	490536.72	3860885.12	3.97145	1.44E+00	1.62E+00	2.01E+00
904	490586.72	3860885.12	4.01286	1.46E+00	1.64E+00	2.03E+00
905	490636.72	3860885.12	4.0365	1.47E+00	1.65E+00	2.04E+00
906	490686.72	3860885.12	4.15517	1.51E+00	1.70E+00	2.10E+00
907	490736.72	3860885.12	4.38306	1.59E+00	1.79E+00	2.22E+00
908	490086.72	3860935.12	3.41081	1.24E+00	1.39E+00	1.73E+00
909	490136.72	3860935.12	3.43953	1.25E+00	1.41E+00	1.74E+00
910	490186.72	3860935.12	3.48691	1.27E+00	1.42E+00	1.77E+00
911	490236.72	3860935.12	3.52904	1.28E+00	1.44E+00	1.79E+00
912	490286.72	3860935.12	3.57003	1.30E+00	1.46E+00	1.81E+00
913	490336.72	3860935.12	3.59163	1.31E+00	1.47E+00	1.82E+00
914	490386.72	3860935.12	3.62845	1.32E+00	1.48E+00	1.84E+00
915	490436.72	3860935.12	3.66694	1.33E+00	1.50E+00	1.86E+00
916	490486.72	3860935.12	3.75609	1.37E+00	1.53E+00	1.90E+00
917	490536.72	3860935.12	3.82985	1.39E+00	1.56E+00	1.94E+00
918	490586.72	3860935.12	3.87766	1.41E+00	1.58E+00	1.96E+00
919	490636.72	3860935.12	3.90941	1.42E+00	1.60E+00	1.98E+00
920	490686.72	3860935.12	3.93326	1.43E+00	1.61E+00	1.99E+00
921	490736.72	3860935.12	4.0789	1.48E+00	1.67E+00	2.07E+00
922	490786.72	3860935.12	4.28982	1.56E+00	1.75E+00	2.17E+00
923	490836.72	3860935.12	4.4825	1.63E+00	1.83E+00	2.27E+00
924	490086.72	3860985.12	3.29748	1.20E+00	1.35E+00	1.67E+00
925	490136.72	3860985.12	3.32344	1.21E+00	1.36E+00	1.68E+00
926	490186.72	3860985.12	3.35625	1.22E+00	1.37E+00	1.70E+00
927	490236.72	3860985.12	3.36408	1.22E+00	1.37E+00	1.70E+00
928	490286.72	3860985.12	3.37231	1.23E+00	1.38E+00	1.71E+00
929	490336.72	3860985.12	3.37377	1.23E+00	1.38E+00	1.71E+00
930	490386.72	3860985.12	3.36749	1.22E+00	1.38E+00	1.71E+00
931	490436.72	3860985.12	3.50995	1.28E+00	1.43E+00	1.78E+00
932	490486.72	3860985.12	3.61072	1.31E+00	1.48E+00	1.83E+00
933	490536.72	3860985.12	3.68455	1.34E+00	1.51E+00	1.87E+00
934	490586.72	3860985.12	3.74146	1.36E+00	1.53E+00	1.90E+00
935	490636.72	3860985.12	3.79084	1.38E+00	1.55E+00	1.92E+00
936	490686.72	3860985.12	3.81585	1.39E+00	1.56E+00	1.93E+00
937	490736.72	3860985.12	3.83168	1.39E+00	1.57E+00	1.94E+00
938	490786.72	3860985.12	4.00389	1.46E+00	1.64E+00	2.03E+00
939	490836.72	3860985.12	4.21158	1.53E+00	1.72E+00	2.13E+00
940	490086.72	3861035.12	3.14744	1.14E+00	1.29E+00	1.59E+00
941	490136.72	3861035.12	3.156	1.15E+00	1.29E+00	1.60E+00

942	490186.72	3861035.12	3.15234	1.15E+00	1.29E+00	1.60E+00
943	490236.72	3861035.12	3.15202	1.15E+00	1.29E+00	1.60E+00
944	490286.72	3861035.12	3.18059	1.16E+00	1.30E+00	1.61E+00
945	490336.72	3861035.12	3.21236	1.17E+00	1.31E+00	1.63E+00
946	490386.72	3861035.12	3.2634	1.19E+00	1.33E+00	1.65E+00
947	490436.72	3861035.12	3.34872	1.22E+00	1.37E+00	1.70E+00
948	490486.72	3861035.12	3.46636	1.26E+00	1.42E+00	1.76E+00
949	490536.72	3861035.12	3.55314	1.29E+00	1.45E+00	1.80E+00
950	490586.72	3861035.12	3.61741	1.32E+00	1.48E+00	1.83E+00
951	490636.72	3861035.12	3.6643	1.33E+00	1.50E+00	1.86E+00
952	490686.72	3861035.12	3.69663	1.34E+00	1.51E+00	1.87E+00
953	490736.72	3861035.12	3.71665	1.35E+00	1.52E+00	1.88E+00
954	490786.72	3861035.12	3.741	1.36E+00	1.53E+00	1.89E+00
955	490836.72	3861035.12	3.93974	1.43E+00	1.61E+00	2.00E+00
956	490086.72	3861085.12	2.95855	1.08E+00	1.21E+00	1.50E+00
957	490136.72	3861085.12	3.0036	1.09E+00	1.23E+00	1.52E+00
958	490186.72	3861085.12	3.05041	1.11E+00	1.25E+00	1.55E+00
959	490236.72	3861085.12	3.07118	1.12E+00	1.25E+00	1.56E+00
960	490286.72	3861085.12	3.09185	1.12E+00	1.26E+00	1.57E+00
961	490336.72	3861085.12	3.10807	1.13E+00	1.27E+00	1.57E+00
962	490386.72	3861085.12	3.13709	1.14E+00	1.28E+00	1.59E+00
963	490436.72	3861085.12	3.17598	1.15E+00	1.30E+00	1.61E+00
964	490486.72	3861085.12	3.30938	1.20E+00	1.35E+00	1.68E+00
965	490536.72	3861085.12	3.42192	1.24E+00	1.40E+00	1.73E+00
966	490586.72	3861085.12	3.49491	1.27E+00	1.43E+00	1.77E+00
967	490636.72	3861085.12	3.54136	1.29E+00	1.45E+00	1.79E+00
968	490686.72	3861085.12	3.58023	1.30E+00	1.46E+00	1.81E+00
969	490736.72	3861085.12	3.61129	1.31E+00	1.48E+00	1.83E+00
970	490786.72	3861085.12	3.63469	1.32E+00	1.48E+00	1.84E+00
971	490836.72	3861085.12	3.67114	1.33E+00	1.50E+00	1.86E+00
972	490086.72	3861135.12	2.87925	1.05E+00	1.18E+00	1.46E+00
973	490136.72	3861135.12	2.91251	1.06E+00	1.19E+00	1.48E+00
974	490186.72	3861135.12	2.94542	1.07E+00	1.20E+00	1.49E+00
975	490236.72	3861135.12	2.96841	1.08E+00	1.21E+00	1.50E+00
976	490286.72	3861135.12	2.97765	1.08E+00	1.22E+00	1.51E+00
977	490336.72	3861135.12	2.9722	1.08E+00	1.21E+00	1.51E+00
978	490386.72	3861135.12	2.96194	1.08E+00	1.21E+00	1.50E+00
979	490436.72	3861135.12	3.02914	1.10E+00	1.24E+00	1.53E+00
980	490486.72	3861135.12	3.15579	1.15E+00	1.29E+00	1.60E+00
981	490536.72	3861135.12	3.27583	1.19E+00	1.34E+00	1.66E+00
982	490586.72	3861135.12	3.36459	1.22E+00	1.37E+00	1.70E+00
983	490636.72	3861135.12	3.42371	1.24E+00	1.40E+00	1.73E+00
984	490686.72	3861135.12	3.47473	1.26E+00	1.42E+00	1.76E+00
985	490736.72	3861135.12	3.51417	1.28E+00	1.44E+00	1.78E+00
986	490786.72	3861135.12	3.53853	1.29E+00	1.45E+00	1.79E+00
987	490836.72	3861135.12	3.55618	1.29E+00	1.45E+00	1.80E+00
988	490086.72	3861185.12	2.787	1.01E+00	1.14E+00	1.41E+00
989	490136.72	3861185.12	2.79387	1.02E+00	1.14E+00	1.42E+00
990	490186.72	3861185.12	2.80461	1.02E+00	1.15E+00	1.42E+00
991	490236.72	3861185.12	2.80788	1.02E+00	1.15E+00	1.42E+00
992	490286.72	3861185.12	2.80446	1.02E+00	1.15E+00	1.42E+00
993	490336.72	3861185.12	2.76962	1.01E+00	1.13E+00	1.40E+00
994	490386.72	3861185.12	2.82259	1.03E+00	1.15E+00	1.43E+00
995	490436.72	3861185.12	2.89889	1.05E+00	1.18E+00	1.47E+00
996	490486.72	3861185.12	3.005	1.09E+00	1.23E+00	1.52E+00
997	490536.72	3861185.12	3.14294	1.14E+00	1.28E+00	1.59E+00
998	490586.72	3861185.12	3.24104	1.18E+00	1.32E+00	1.64E+00
999	490636.72	3861185.12	3.30313	1.20E+00	1.35E+00	1.67E+00
1000	490686.72	3861185.12	3.36204	1.22E+00	1.37E+00	1.70E+00
1001	490736.72	3861185.12	3.41637	1.24E+00	1.40E+00	1.73E+00
1002	490786.72	3861185.12	3.45091	1.25E+00	1.41E+00	1.75E+00
1003	490836.72	3861185.12	3.46995	1.26E+00	1.42E+00	1.76E+00
1004	490086.72	3861235.12	2.66632	9.69E-01	1.09E+00	1.35E+00

1005	490136.72	3861235.12	2.65545	9.65E-01	1.08E+00	1.35E+00
1006	490186.72	3861235.12	2.64123	9.60E-01	1.08E+00	1.34E+00
1007	490236.72	3861235.12	2.60088	9.46E-01	1.06E+00	1.32E+00
1008	490386.72	3861235.12	2.72979	9.92E-01	1.12E+00	1.38E+00
1009	490436.72	3861235.12	2.78345	1.01E+00	1.14E+00	1.41E+00
1010	490486.72	3861235.12	2.85223	1.04E+00	1.17E+00	1.44E+00
1011	490536.72	3861235.12	2.98647	1.09E+00	1.22E+00	1.51E+00
1012	490586.72	3861235.12	3.11986	1.13E+00	1.27E+00	1.58E+00
1013	490636.72	3861235.12	3.18068	1.16E+00	1.30E+00	1.61E+00
1014	490686.72	3861235.12	3.25174	1.18E+00	1.33E+00	1.65E+00
1015	490736.72	3861235.12	3.315	1.21E+00	1.35E+00	1.68E+00
1016	490786.72	3861235.12	3.36298	1.22E+00	1.37E+00	1.70E+00
1017	490836.72	3861235.12	3.38646	1.23E+00	1.38E+00	1.72E+00
1018	490086.72	3861285.12	2.51959	9.16E-01	1.03E+00	1.28E+00
1019	490136.72	3861285.12	2.49303	9.06E-01	1.02E+00	1.26E+00
1020	490186.72	3861285.12	2.45332	8.92E-01	1.00E+00	1.24E+00
1021	490236.72	3861285.12	2.49491	9.07E-01	1.02E+00	1.26E+00
1022	490386.72	3861285.12	2.64965	9.63E-01	1.08E+00	1.34E+00
1023	490436.72	3861285.12	2.70058	9.82E-01	1.10E+00	1.37E+00
1024	490486.72	3861285.12	2.75661	1.00E+00	1.13E+00	1.40E+00
1025	490536.72	3861285.12	2.84269	1.03E+00	1.16E+00	1.44E+00
1026	490586.72	3861285.12	2.95547	1.07E+00	1.21E+00	1.50E+00
1027	490636.72	3861285.12	3.0483	1.11E+00	1.25E+00	1.54E+00
1028	490686.72	3861285.12	3.13285	1.14E+00	1.28E+00	1.59E+00
1029	490736.72	3861285.12	3.21734	1.17E+00	1.31E+00	1.63E+00
1030	490786.72	3861285.12	3.26377	1.19E+00	1.33E+00	1.65E+00
1031	490836.72	3861285.12	3.2872	1.20E+00	1.34E+00	1.67E+00
1032	490061.24	3859716.13	21.71544	7.89E+00	8.87E+00	1.10E+01
1033	490111.24	3859716.13	24.72623	8.99E+00	1.01E+01	1.25E+01
1034	490161.24	3859716.13	28.42076	1.03E+01	1.16E+01	1.44E+01
1035	490211.24	3859716.13	31.87474	1.16E+01	1.30E+01	1.61E+01
1036	490061.24	3859766.13	17.51112	6.37E+00	7.15E+00	8.87E+00
1037	490111.24	3859766.13	19.66718	7.15E+00	8.03E+00	9.96E+00
1038	490161.24	3859766.13	21.91786	7.97E+00	8.95E+00	1.11E+01
1039	490211.24	3859766.13	24.25904	8.82E+00	9.91E+00	1.23E+01
1040	490061.24	3859816.13	14.94397	5.43E+00	6.10E+00	7.57E+00
1041	490111.24	3859816.13	16.1281	5.86E+00	6.59E+00	8.17E+00
1042	490161.24	3859816.13	17.86241	6.49E+00	7.30E+00	9.05E+00
1043	490211.24	3859816.13	19.73036	7.17E+00	8.06E+00	9.99E+00
1044	490061.24	3859866.13	12.84549	4.67E+00	5.25E+00	6.51E+00
1045	490111.24	3859866.13	13.96069	5.08E+00	5.70E+00	7.07E+00
1046	490161.24	3859866.13	15.06367	5.48E+00	6.15E+00	7.63E+00
1047	490211.24	3859866.13	16.41672	5.97E+00	6.71E+00	8.32E+00
1048	490061.24	3859916.13	11.37548	4.14E+00	4.65E+00	5.76E+00
1049	490111.24	3859916.13	12.0894	4.40E+00	4.94E+00	6.12E+00
1050	490161.24	3859916.13	13.12165	4.77E+00	5.36E+00	6.65E+00
1051	490211.24	3859916.13	14.09596	5.12E+00	5.76E+00	7.14E+00
1052	490229.25	3859815.26	20.49102	7.45E+00	8.37E+00	1.04E+01
1053	490279.25	3859815.26	22.11609	8.04E+00	9.03E+00	1.12E+01
1054	490329.25	3859815.26	23.98993	8.72E+00	9.80E+00	1.22E+01
1055	490379.25	3859815.26	26.01833	9.46E+00	1.06E+01	1.32E+01
1056	490429.25	3859815.26	31.43746	1.14E+01	1.28E+01	1.59E+01
1057	490229.25	3859865.26	17.06729	6.20E+00	6.97E+00	8.64E+00
1058	490279.25	3859865.26	18.5788	6.75E+00	7.59E+00	9.41E+00
1059	490329.25	3859865.26	19.72731	7.17E+00	8.06E+00	9.99E+00
1060	490379.25	3859865.26	21.3274	7.75E+00	8.71E+00	1.08E+01
1061	490429.25	3859865.26	22.73284	8.26E+00	9.29E+00	1.15E+01
1062	490229.25	3859915.26	14.48854	5.27E+00	5.92E+00	7.34E+00
1063	490279.25	3859915.26	15.65209	5.69E+00	6.39E+00	7.93E+00
1064	490329.25	3859915.26	16.96716	6.17E+00	6.93E+00	8.59E+00
1065	490379.25	3859915.26	18.01871	6.55E+00	7.36E+00	9.13E+00
1066	490429.25	3859915.26	19.06262	6.93E+00	7.79E+00	9.66E+00
1067	490451.43	3859872.59	22.73113	8.26E+00	9.29E+00	1.15E+01

1068	490501.43	3859872.59	25.40874	9.24E+00	1.04E+01	1.29E+01
1069	490551.43	3859872.59	30.79723	1.12E+01	1.26E+01	1.56E+01
1070	490601.43	3859872.59	36.25536	1.32E+01	1.48E+01	1.84E+01
1071	490451.43	3859922.59	19.16039	6.97E+00	7.83E+00	9.70E+00
1072	490501.43	3859922.59	20.35323	7.40E+00	8.31E+00	1.03E+01
1073	490551.43	3859922.59	21.74214	7.90E+00	8.88E+00	1.10E+01
1074	490601.43	3859922.59	25.00656	9.09E+00	1.02E+01	1.27E+01
1075	482129.67	3852241.07	31.00584	1.13E+01	1.27E+01	1.57E+01
1076	482029.67	3852291.07	37.01105	1.35E+01	1.51E+01	1.87E+01
1077	482079.67	3852291.07	33.94299	1.23E+01	1.39E+01	1.72E+01
1078	482129.67	3852291.07	31.84926	1.16E+01	1.30E+01	1.61E+01
1079	482179.67	3852291.07	30.20357	1.10E+01	1.23E+01	1.53E+01
1080	482229.67	3852291.07	28.39661	1.03E+01	1.16E+01	1.44E+01
1081	482029.67	3852341.07	40.39822	1.47E+01	1.65E+01	2.05E+01
1082	482079.67	3852341.07	36.0081	1.31E+01	1.47E+01	1.82E+01
1083	482129.67	3852341.07	33.00702	1.20E+01	1.35E+01	1.67E+01
1084	482179.67	3852341.07	30.89605	1.12E+01	1.26E+01	1.56E+01
1085	482259.06	3852400.14	28.76197	1.05E+01	1.17E+01	1.46E+01
1086	482309.06	3852400.14	27.9087	1.01E+01	1.14E+01	1.41E+01
1087	482209.06	3852450.14	32.01188	1.16E+01	1.31E+01	1.62E+01
1088	482259.06	3852450.14	29.87005	1.09E+01	1.22E+01	1.51E+01
1089	482309.06	3852450.14	28.4253	1.03E+01	1.16E+01	1.44E+01
1090	482209.06	3852500.14	34.92715	1.27E+01	1.43E+01	1.77E+01
1091	482259.06	3852500.14	31.75825	1.15E+01	1.30E+01	1.61E+01
1092	482309.06	3852500.14	29.58286	1.08E+01	1.21E+01	1.50E+01
1093	482283.91	3852513.62	31.0716	1.13E+01	1.27E+01	1.57E+01
1094	482333.91	3852513.62	28.91781	1.05E+01	1.18E+01	1.46E+01
1095	482283.91	3852563.62	33.4864	1.22E+01	1.37E+01	1.70E+01
1096	482333.91	3852563.62	30.36984	1.10E+01	1.24E+01	1.54E+01
1097	482383.91	3852563.62	28.12202	1.02E+01	1.15E+01	1.42E+01
1098	482283.91	3852613.62	40.96891	1.49E+01	1.67E+01	2.08E+01
1099	482333.91	3852613.62	33.13166	1.20E+01	1.35E+01	1.68E+01
1100	482383.91	3852613.62	29.66293	1.08E+01	1.21E+01	1.50E+01
1101	482602.38	3852600.87	23.20065	8.43E+00	9.48E+00	1.18E+01
1102	482652.38	3852600.87	22.40707	8.15E+00	9.15E+00	1.13E+01
1103	482702.38	3852600.87	22.49728	8.18E+00	9.19E+00	1.14E+01
1104	482552.38	3852650.87	24.72642	8.99E+00	1.01E+01	1.25E+01
1105	482602.38	3852650.87	23.56166	8.57E+00	9.63E+00	1.19E+01
1106	482652.38	3852650.87	22.86111	8.31E+00	9.34E+00	1.16E+01
1107	482702.38	3852650.87	22.0171	8.00E+00	8.99E+00	1.12E+01
1108	482552.38	3852700.87	25.71816	9.35E+00	1.05E+01	1.30E+01
1109	482602.38	3852700.87	24.25211	8.82E+00	9.91E+00	1.23E+01
1110	482652.38	3852700.87	23.13901	8.41E+00	9.45E+00	1.17E+01
1111	482702.38	3852700.87	22.49329	8.18E+00	9.19E+00	1.14E+01
1112	482452.38	3852750.87	34.13601	1.24E+01	1.39E+01	1.73E+01
1113	482521.29	3852749.74	28.68782	1.04E+01	1.17E+01	1.45E+01
1114	482571.29	3852749.74	26.28244	9.56E+00	1.07E+01	1.33E+01
1115	482521.29	3852799.74	31.54711	1.15E+01	1.29E+01	1.60E+01
1116	482571.29	3852799.74	28.1187	1.02E+01	1.15E+01	1.42E+01
1117	482621.29	3852799.74	25.75238	9.36E+00	1.05E+01	1.30E+01
1118	482571.29	3852849.74	31.14339	1.13E+01	1.27E+01	1.58E+01
1119	482621.29	3852849.74	27.72213	1.01E+01	1.13E+01	1.40E+01
1120	482577.42	3852901.55	37.84861	1.38E+01	1.55E+01	1.92E+01
1121	482627.42	3852901.55	30.4321	1.11E+01	1.24E+01	1.54E+01
1122	482629.96	3852955.85	37.84219	1.38E+01	1.55E+01	1.92E+01
1123	482679.96	3852955.85	30.1945	1.10E+01	1.23E+01	1.53E+01
1124	482781.63	3853034.48	27.2159	9.89E+00	1.11E+01	1.38E+01
1125	482831.63	3853034.48	24.20448	8.80E+00	9.89E+00	1.23E+01
1126	482881.63	3853034.48	22.14586	8.05E+00	9.05E+00	1.12E+01
1127	482781.63	3853084.48	31.83469	1.16E+01	1.30E+01	1.61E+01
1128	482831.63	3853084.48	26.73236	9.72E+00	1.09E+01	1.35E+01
1129	482881.63	3853084.48	23.44359	8.52E+00	9.58E+00	1.19E+01
1130	482781.63	3853134.48	37.23806	1.35E+01	1.52E+01	1.89E+01

1131	482831.63	3853134.48	30.46607	1.11E+01	1.24E+01	1.54E+01
1132	482881.63	3853134.48	26.14479	9.51E+00	1.07E+01	1.32E+01
1133	482831.63	3853184.48	34.30834	1.25E+01	1.40E+01	1.74E+01
1134	482881.63	3853184.48	28.826	1.05E+01	1.18E+01	1.46E+01
1135	484154.84	3854250.98	11.78147	4.28E+00	4.81E+00	5.97E+00
1136	484204.84	3854250.98	11.74395	4.27E+00	4.80E+00	5.95E+00
1137	484154.84	3854300.98	10.95227	3.98E+00	4.47E+00	5.55E+00
1138	484204.84	3854300.98	11.02386	4.01E+00	4.50E+00	5.58E+00
1139	484074.19	3854519.8	10.34787	3.76E+00	4.23E+00	5.24E+00
1140	484124.19	3854519.8	9.81767	3.57E+00	4.01E+00	4.97E+00
1141	484074.19	3854569.8	10.01466	3.64E+00	4.09E+00	5.07E+00
1142	484124.19	3854569.8	9.53544	3.47E+00	3.90E+00	4.83E+00
1143	485205.11	3855188.89	9.67256	3.52E+00	3.95E+00	4.90E+00
1144	485255.11	3855188.89	9.48445	3.45E+00	3.87E+00	4.80E+00
1145	485205.11	3855238.89	9.36766	3.41E+00	3.83E+00	4.74E+00
1146	485255.11	3855238.89	9.48789	3.45E+00	3.88E+00	4.81E+00
1147	485205.11	3855288.89	8.92927	3.25E+00	3.65E+00	4.52E+00
1148	485255.11	3855288.89	9.27124	3.37E+00	3.79E+00	4.70E+00
1149	485255.11	3855338.89	8.74076	3.18E+00	3.57E+00	4.43E+00
1150	485305.11	3855338.89	9.09298	3.31E+00	3.71E+00	4.61E+00
1151	485852.5	3855635.28	7.95844	2.89E+00	3.25E+00	4.03E+00
1152	485902.5	3855635.28	8.02979	2.92E+00	3.28E+00	4.07E+00
1153	485852.5	3855685.28	8.00447	2.91E+00	3.27E+00	4.05E+00
1154	485902.5	3855685.28	7.89705	2.87E+00	3.23E+00	4.00E+00
1155	485852.5	3855735.28	7.91286	2.88E+00	3.23E+00	4.01E+00
1156	485902.5	3855735.28	7.90479	2.87E+00	3.23E+00	4.00E+00
1157	485852.5	3855785.28	7.61954	2.77E+00	3.11E+00	3.86E+00
1158	485902.5	3855785.28	7.81066	2.84E+00	3.19E+00	3.96E+00
1159	486809.46	3856465.28	6.11023	2.22E+00	2.50E+00	3.09E+00
1160	486859.46	3856465.28	5.90479	2.15E+00	2.41E+00	2.99E+00
1161	486909.46	3856465.28	5.8641	2.13E+00	2.40E+00	2.97E+00
1162	486809.46	3856515.28	6.09512	2.22E+00	2.49E+00	3.09E+00
1163	486859.46	3856515.28	5.95512	2.17E+00	2.43E+00	3.02E+00
1164	486909.46	3856515.28	5.77271	2.10E+00	2.36E+00	2.92E+00
1165	486980.94	3856357.95	6.1411	2.23E+00	2.51E+00	3.11E+00
1166	487030.94	3856357.95	6.22938	2.26E+00	2.54E+00	3.16E+00
1167	486980.94	3856407.95	5.80514	2.11E+00	2.37E+00	2.94E+00
1168	487030.94	3856407.95	5.96058	2.17E+00	2.43E+00	3.02E+00
1169	487447.18	3856437.45	5.74138	2.09E+00	2.35E+00	2.91E+00
1170	487497.18	3856437.45	5.65024	2.05E+00	2.31E+00	2.86E+00
1171	487547.18	3856437.45	5.51845	2.01E+00	2.25E+00	2.80E+00
1172	487447.18	3856487.45	5.64323	2.05E+00	2.31E+00	2.86E+00
1173	487497.18	3856487.45	5.59855	2.04E+00	2.29E+00	2.84E+00
1174	487547.18	3856487.45	5.50744	2.00E+00	2.25E+00	2.79E+00
1175	487447.18	3856537.45	5.50067	2.00E+00	2.25E+00	2.79E+00
1176	487497.18	3856537.45	5.48869	2.00E+00	2.24E+00	2.78E+00
1177	487547.18	3856537.45	5.43981	1.98E+00	2.22E+00	2.76E+00
1178	489285.89	3858826.54	13.14751	4.78E+00	5.37E+00	6.66E+00
1179	489335.89	3858826.54	12.67571	4.61E+00	5.18E+00	6.42E+00
1180	489385.89	3858826.54	12.04507	4.38E+00	4.92E+00	6.10E+00
1181	489435.89	3858826.54	11.09664	4.03E+00	4.53E+00	5.62E+00
1182	489485.89	3858826.54	11.15674	4.06E+00	4.56E+00	5.65E+00
1183	489535.89	3858826.54	11.58258	4.21E+00	4.73E+00	5.87E+00
1184	489585.89	3858826.54	11.98501	4.36E+00	4.90E+00	6.07E+00
1185	489635.89	3858826.54	12.21103	4.44E+00	4.99E+00	6.19E+00
1186	489685.89	3858826.54	12.03624	4.38E+00	4.92E+00	6.10E+00
1187	489735.89	3858826.54	11.92534	4.34E+00	4.87E+00	6.04E+00
1188	489785.89	3858826.54	11.29854	4.11E+00	4.62E+00	5.72E+00
1189	489835.89	3858826.54	10.4474	3.80E+00	4.27E+00	5.29E+00
1190	489885.89	3858826.54	10.53698	3.83E+00	4.30E+00	5.34E+00
1191	489935.89	3858826.54	10.407	3.78E+00	4.25E+00	5.27E+00
1192	489985.89	3858826.54	10.32284	3.75E+00	4.22E+00	5.23E+00
1193	490035.89	3858826.54	10.50678	3.82E+00	4.29E+00	5.32E+00

1194	489285.89	3858876.54	14.79993	5.38E+00	6.05E+00	7.50E+00
1195	489335.89	3858876.54	13.76837	5.01E+00	5.62E+00	6.97E+00
1196	489385.89	3858876.54	13.37997	4.86E+00	5.47E+00	6.78E+00
1197	489435.89	3858876.54	12.7947	4.65E+00	5.23E+00	6.48E+00
1198	489485.89	3858876.54	11.9753	4.35E+00	4.89E+00	6.07E+00
1199	489535.89	3858876.54	11.47293	4.17E+00	4.69E+00	5.81E+00
1200	489585.89	3858876.54	11.90972	4.33E+00	4.87E+00	6.03E+00
1201	489635.89	3858876.54	12.3185	4.48E+00	5.03E+00	6.24E+00
1202	489685.89	3858876.54	12.64153	4.60E+00	5.16E+00	6.40E+00
1203	489735.89	3858876.54	12.52423	4.55E+00	5.12E+00	6.34E+00
1204	489785.89	3858876.54	12.40233	4.51E+00	5.07E+00	6.28E+00
1205	489835.89	3858876.54	11.87782	4.32E+00	4.85E+00	6.02E+00
1206	489885.89	3858876.54	10.77978	3.92E+00	4.40E+00	5.46E+00
1207	489935.89	3858876.54	10.90617	3.96E+00	4.46E+00	5.52E+00
1208	489985.89	3858876.54	10.7134	3.89E+00	4.38E+00	5.43E+00
1209	490035.89	3858876.54	10.52691	3.83E+00	4.30E+00	5.33E+00
1210	489285.89	3858926.54	16.97443	6.17E+00	6.93E+00	8.60E+00
1211	489335.89	3858926.54	15.96365	5.80E+00	6.52E+00	8.09E+00
1212	489385.89	3858926.54	14.84924	5.40E+00	6.07E+00	7.52E+00
1213	489435.89	3858926.54	14.07613	5.12E+00	5.75E+00	7.13E+00
1214	489485.89	3858926.54	13.61585	4.95E+00	5.56E+00	6.90E+00
1215	489535.89	3858926.54	12.92472	4.70E+00	5.28E+00	6.55E+00
1216	489585.89	3858926.54	11.96885	4.35E+00	4.89E+00	6.06E+00
1217	489635.89	3858926.54	12.10584	4.40E+00	4.95E+00	6.13E+00
1218	489685.89	3858926.54	12.64266	4.60E+00	5.16E+00	6.40E+00
1219	489735.89	3858926.54	13.04642	4.74E+00	5.33E+00	6.61E+00
1220	489785.89	3858926.54	13.1291	4.77E+00	5.36E+00	6.65E+00
1221	489835.89	3858926.54	12.92758	4.70E+00	5.28E+00	6.55E+00
1222	489885.89	3858926.54	12.41602	4.51E+00	5.07E+00	6.29E+00
1223	489935.89	3858926.54	11.23616	4.08E+00	4.59E+00	5.69E+00
1224	489985.89	3858926.54	11.25112	4.09E+00	4.60E+00	5.70E+00
1225	490035.89	3858926.54	10.91145	3.97E+00	4.46E+00	5.53E+00
1226	489335.89	3858976.54	18.24959	6.63E+00	7.46E+00	9.24E+00
1227	489385.89	3858976.54	17.18201	6.25E+00	7.02E+00	8.70E+00
1228	489435.89	3858976.54	16.10164	5.85E+00	6.58E+00	8.16E+00
1229	489485.89	3858976.54	14.86116	5.40E+00	6.07E+00	7.53E+00
1230	489535.89	3858976.54	14.38635	5.23E+00	5.88E+00	7.29E+00
1231	489585.89	3858976.54	13.88274	5.05E+00	5.67E+00	7.03E+00
1232	489635.89	3858976.54	12.74993	4.64E+00	5.21E+00	6.46E+00
1233	489685.89	3858976.54	12.47064	4.53E+00	5.09E+00	6.32E+00
1234	489735.89	3858976.54	13.00399	4.73E+00	5.31E+00	6.59E+00
1235	489785.89	3858976.54	13.51657	4.91E+00	5.52E+00	6.85E+00
1236	489835.89	3858976.54	13.71612	4.99E+00	5.60E+00	6.95E+00
1237	489885.89	3858976.54	13.4775	4.90E+00	5.51E+00	6.83E+00
1238	489935.89	3858976.54	13.05679	4.75E+00	5.33E+00	6.61E+00
1239	489985.89	3858976.54	11.82303	4.30E+00	4.83E+00	5.99E+00
1240	490035.89	3858976.54	11.08082	4.03E+00	4.53E+00	5.61E+00
1241	489385.89	3859026.54	19.64721	7.14E+00	8.03E+00	9.95E+00
1242	489435.89	3859026.54	18.43112	6.70E+00	7.53E+00	9.34E+00
1243	489485.89	3859026.54	17.39426	6.32E+00	7.11E+00	8.81E+00
1244	489535.89	3859026.54	16.21737	5.90E+00	6.62E+00	8.21E+00
1245	489585.89	3859026.54	15.15633	5.51E+00	6.19E+00	7.68E+00
1246	489635.89	3859026.54	14.82559	5.39E+00	6.06E+00	7.51E+00
1247	489685.89	3859026.54	13.902	5.05E+00	5.68E+00	7.04E+00
1248	489735.89	3859026.54	13.04295	4.74E+00	5.33E+00	6.61E+00
1249	489785.89	3859026.54	13.14648	4.78E+00	5.37E+00	6.66E+00
1250	489835.89	3859026.54	13.93977	5.07E+00	5.69E+00	7.06E+00
1251	489885.89	3859026.54	14.26614	5.19E+00	5.83E+00	7.23E+00
1252	489935.89	3859026.54	14.0375	5.10E+00	5.73E+00	7.11E+00
1253	489985.89	3859026.54	13.70249	4.98E+00	5.60E+00	6.94E+00
1254	490035.89	3859026.54	11.72182	4.26E+00	4.79E+00	5.94E+00
1255	489485.89	3859076.54	19.842	7.21E+00	8.11E+00	1.01E+01
1256	489535.89	3859076.54	18.72211	6.81E+00	7.65E+00	9.48E+00

1257	489585.89	3859076.54	17.58685	6.39E+00	7.18E+00	8.91E+00
1258	489635.89	3859076.54	16.24662	5.91E+00	6.64E+00	8.23E+00
1259	489685.89	3859076.54	15.66445	5.69E+00	6.40E+00	7.93E+00
1260	489735.89	3859076.54	15.02922	5.46E+00	6.14E+00	7.61E+00
1261	489785.89	3859076.54	13.79403	5.01E+00	5.63E+00	6.99E+00
1262	489835.89	3859076.54	13.48682	4.90E+00	5.51E+00	6.83E+00
1263	489885.89	3859076.54	14.37809	5.23E+00	5.87E+00	7.28E+00
1264	489935.89	3859076.54	14.83806	5.39E+00	6.06E+00	7.52E+00
1265	489985.89	3859076.54	14.60175	5.31E+00	5.96E+00	7.40E+00
1266	490035.89	3859076.54	13.81114	5.02E+00	5.64E+00	7.00E+00
1267	489585.89	3859126.54	20.16537	7.33E+00	8.24E+00	1.02E+01
1268	489635.89	3859126.54	19.1203	6.95E+00	7.81E+00	9.68E+00
1269	489685.89	3859126.54	17.87674	6.50E+00	7.30E+00	9.05E+00
1270	489735.89	3859126.54	16.64528	6.05E+00	6.80E+00	8.43E+00
1271	489785.89	3859126.54	16.18034	5.88E+00	6.61E+00	8.20E+00
1272	489835.89	3859126.54	15.15108	5.51E+00	6.19E+00	7.67E+00
1273	489885.89	3859126.54	14.27365	5.19E+00	5.83E+00	7.23E+00
1274	489935.89	3859126.54	14.8001	5.38E+00	6.05E+00	7.50E+00
1275	489985.89	3859126.54	15.39552	5.60E+00	6.29E+00	7.80E+00
1276	490035.89	3859126.54	15.01094	5.46E+00	6.13E+00	7.60E+00
1277	489585.89	3859176.54	23.71005	8.62E+00	9.69E+00	1.20E+01
1278	489635.89	3859176.54	21.93579	7.97E+00	8.96E+00	1.11E+01
1279	489685.89	3859176.54	20.67231	7.52E+00	8.44E+00	1.05E+01
1280	489735.89	3859176.54	19.56694	7.11E+00	7.99E+00	9.91E+00
1281	489785.89	3859176.54	18.09243	6.58E+00	7.39E+00	9.16E+00
1282	489835.89	3859176.54	17.3038	6.29E+00	7.07E+00	8.76E+00
1283	489885.89	3859176.54	16.53214	6.01E+00	6.75E+00	8.37E+00
1284	489935.89	3859176.54	14.97654	5.44E+00	6.12E+00	7.59E+00
1285	489985.89	3859176.54	15.09274	5.49E+00	6.17E+00	7.64E+00
1286	490035.89	3859176.54	15.95377	5.80E+00	6.52E+00	8.08E+00
1287	489685.89	3859226.54	24.0226	8.73E+00	9.81E+00	1.22E+01
1288	489735.89	3859226.54	22.313	8.11E+00	9.12E+00	1.13E+01
1289	489785.89	3859226.54	21.22788	7.72E+00	8.67E+00	1.08E+01
1290	489835.89	3859226.54	19.87786	7.23E+00	8.12E+00	1.01E+01
1291	489885.89	3859226.54	18.32709	6.66E+00	7.49E+00	9.28E+00
1292	489935.89	3859226.54	17.78569	6.47E+00	7.27E+00	9.01E+00
1293	489985.89	3859226.54	16.00679	5.82E+00	6.54E+00	8.11E+00
1294	490035.89	3859226.54	15.51452	5.64E+00	6.34E+00	7.86E+00
1295	489735.89	3859276.54	26.45773	9.62E+00	1.08E+01	1.34E+01
1296	489785.89	3859276.54	24.60844	8.95E+00	1.01E+01	1.25E+01
1297	489835.89	3859276.54	23.06069	8.38E+00	9.42E+00	1.17E+01
1298	489885.89	3859276.54	21.84337	7.94E+00	8.92E+00	1.11E+01
1299	489935.89	3859276.54	20.28865	7.38E+00	8.29E+00	1.03E+01
1300	489985.89	3859276.54	19.04217	6.92E+00	7.78E+00	9.65E+00
1301	490035.89	3859276.54	17.89888	6.51E+00	7.31E+00	9.07E+00
1302	490458.06	3859590.74	30.13027	1.10E+01	1.23E+01	1.53E+01
1303	490508.06	3859590.74	26.28893	9.56E+00	1.07E+01	1.33E+01
1304	490558.06	3859590.74	26.59454	9.67E+00	1.09E+01	1.35E+01
1305	490608.06	3859590.74	25.58761	9.30E+00	1.05E+01	1.30E+01
1306	490658.06	3859590.74	21.41632	7.79E+00	8.75E+00	1.08E+01
1307	490708.06	3859590.74	18.07056	6.57E+00	7.38E+00	9.15E+00
1308	490758.06	3859590.74	15.33951	5.58E+00	6.27E+00	7.77E+00
1309	490808.06	3859590.74	11.84183	4.31E+00	4.84E+00	6.00E+00
1310	490858.06	3859590.74	10.10781	3.67E+00	4.13E+00	5.12E+00
1311	490458.06	3859640.74	39.13356	1.42E+01	1.60E+01	1.98E+01
1312	490508.06	3859640.74	34.67581	1.26E+01	1.42E+01	1.76E+01
1313	490558.06	3859640.74	31.01746	1.13E+01	1.27E+01	1.57E+01
1314	490608.06	3859640.74	28.70414	1.04E+01	1.17E+01	1.45E+01
1315	490658.06	3859640.74	27.5153	1.00E+01	1.12E+01	1.39E+01
1316	490708.06	3859640.74	23.25903	8.46E+00	9.50E+00	1.18E+01
1317	490758.06	3859640.74	18.70039	6.80E+00	7.64E+00	9.47E+00
1318	490808.06	3859640.74	16.08303	5.85E+00	6.57E+00	8.15E+00
1319	490858.06	3859640.74	12.37507	4.50E+00	5.06E+00	6.27E+00

1320	490608.06	3859690.74	36.21296	1.32E+01	1.48E+01	1.83E+01
1321	490658.06	3859690.74	30.41142	1.11E+01	1.24E+01	1.54E+01
1322	490708.06	3859690.74	29.60479	1.08E+01	1.21E+01	1.50E+01
1323	490758.06	3859690.74	25.10091	9.13E+00	1.03E+01	1.27E+01
1324	490808.06	3859690.74	19.76239	7.18E+00	8.07E+00	1.00E+01
1325	490858.06	3859690.74	17.37841	6.32E+00	7.10E+00	8.80E+00
1326	490708.06	3859740.74	35.95304	1.31E+01	1.47E+01	1.82E+01
1327	490758.06	3859740.74	34.24363	1.24E+01	1.40E+01	1.73E+01
1328	490808.06	3859740.74	30.14621	1.10E+01	1.23E+01	1.53E+01
1329	490858.06	3859740.74	23.7138	8.62E+00	9.69E+00	1.20E+01
1330	490786.56	3859749.39	34.46909	1.25E+01	1.41E+01	1.75E+01
1331	490836.56	3859749.39	28.03375	1.02E+01	1.15E+01	1.42E+01
1332	490786.56	3859799.39	44.1168	1.60E+01	1.80E+01	2.23E+01
1333	490836.56	3859799.39	40.1137	1.46E+01	1.64E+01	2.03E+01
1334	492307.84	3854508.36	3.73315	1.36E+00	1.53E+00	1.89E+00
1335	486445.7	3854753.6	8.79235	3.20E+00	3.59E+00	4.45E+00
1336	472599.75	3877830.11	0.81579	2.97E-01	3.33E-01	4.13E-01
1337	493107.48	3866840.19	1.54613	5.62E-01	6.32E-01	7.83E-01
1338	495815.8	3861662.87	3.79899	1.38E+00	1.55E+00	1.92E+00
1339	480272.33	3841389.2	0.93056	3.38E-01	3.80E-01	4.71E-01
1340	497005.18	3862813.64	2.95883	1.08E+00	1.21E+00	1.50E+00
1341	493677.33	3860302.55	6.1049	2.22E+00	2.49E+00	3.09E+00
1342	493727.33	3860302.55	6.0588	2.20E+00	2.48E+00	3.07E+00
1343	493777.33	3860302.55	5.99292	2.18E+00	2.45E+00	3.04E+00
1344	493827.33	3860302.55	5.91815	2.15E+00	2.42E+00	3.00E+00
1345	493877.33	3860302.55	5.8312	2.12E+00	2.38E+00	2.95E+00
1346	493927.33	3860302.55	5.72613	2.08E+00	2.34E+00	2.90E+00
1347	493977.33	3860302.55	5.7106	2.08E+00	2.33E+00	2.89E+00
1348	494027.33	3860302.55	5.66674	2.06E+00	2.31E+00	2.87E+00
1349	493677.33	3860352.55	5.90167	2.15E+00	2.41E+00	2.99E+00
1350	493727.33	3860352.55	5.66895	2.06E+00	2.32E+00	2.87E+00
1351	493777.33	3860352.55	5.48466	1.99E+00	2.24E+00	2.78E+00
1352	493827.33	3860352.55	5.49623	2.00E+00	2.25E+00	2.78E+00
1353	493877.33	3860352.55	5.55644	2.02E+00	2.27E+00	2.81E+00
1354	493927.33	3860352.55	5.71812	2.08E+00	2.34E+00	2.90E+00
1355	493977.33	3860352.55	5.78666	2.10E+00	2.36E+00	2.93E+00
1356	494027.33	3860352.55	5.66595	2.06E+00	2.31E+00	2.87E+00
1357	493677.33	3860402.55	5.82104	2.12E+00	2.38E+00	2.95E+00
1358	493727.33	3860402.55	5.65894	2.06E+00	2.31E+00	2.87E+00
1359	493777.33	3860402.55	5.64691	2.05E+00	2.31E+00	2.86E+00
1360	493827.33	3860402.55	5.44135	1.98E+00	2.22E+00	2.76E+00
1361	493877.33	3860402.55	5.30802	1.93E+00	2.17E+00	2.69E+00
1362	493927.33	3860402.55	5.35139	1.95E+00	2.19E+00	2.71E+00
1363	493977.33	3860402.55	5.71896	2.08E+00	2.34E+00	2.90E+00
1364	494027.33	3860402.55	5.53408	2.01E+00	2.26E+00	2.80E+00
1365	493677.33	3860452.55	5.98669	2.18E+00	2.45E+00	3.03E+00
1366	493727.33	3860452.55	5.86736	2.13E+00	2.40E+00	2.97E+00
1367	493777.33	3860452.55	5.74978	2.09E+00	2.35E+00	2.91E+00
1368	493827.33	3860452.55	5.6248	2.04E+00	2.30E+00	2.85E+00
1369	493877.33	3860452.55	5.49861	2.00E+00	2.25E+00	2.79E+00
1370	493927.33	3860452.55	5.50453	2.00E+00	2.25E+00	2.79E+00
1371	493977.33	3860452.55	5.4136	1.97E+00	2.21E+00	2.74E+00
1372	494027.33	3860452.55	5.28764	1.92E+00	2.16E+00	2.68E+00
1373	493677.33	3860502.55	6.26573	2.28E+00	2.56E+00	3.17E+00
1374	493727.33	3860502.55	6.08839	2.21E+00	2.49E+00	3.08E+00
1375	493777.33	3860502.55	5.95591	2.17E+00	2.43E+00	3.02E+00
1376	493827.33	3860502.55	5.82003	2.12E+00	2.38E+00	2.95E+00
1377	493877.33	3860502.55	5.67211	2.06E+00	2.32E+00	2.87E+00
1378	493927.33	3860502.55	5.54792	2.02E+00	2.27E+00	2.81E+00
1379	493977.33	3860502.55	5.44259	1.98E+00	2.22E+00	2.76E+00
1380	494027.33	3860502.55	5.33958	1.94E+00	2.18E+00	2.70E+00
1381	493627.33	3860552.55	6.94727	2.53E+00	2.84E+00	3.52E+00
1382	493677.33	3860552.55	6.76065	2.46E+00	2.76E+00	3.42E+00

1383	493727.33	3860552.55	6.55921	2.38E+00	2.68E+00	3.32E+00
1384	493777.33	3860552.55	6.34008	2.30E+00	2.59E+00	3.21E+00
1385	493827.33	3860552.55	6.11569	2.22E+00	2.50E+00	3.10E+00
1386	493877.33	3860552.55	5.90978	2.15E+00	2.41E+00	2.99E+00
1387	493927.33	3860552.55	5.74889	2.09E+00	2.35E+00	2.91E+00
1388	493977.33	3860552.55	5.62047	2.04E+00	2.30E+00	2.85E+00
1389	494027.33	3860552.55	5.50076	2.00E+00	2.25E+00	2.79E+00
1390	493627.33	3860602.55	7.29314	2.65E+00	2.98E+00	3.69E+00
1391	493727.33	3860602.55	6.98112	2.54E+00	2.85E+00	3.54E+00
1392	493777.33	3860602.55	6.78184	2.47E+00	2.77E+00	3.44E+00
1393	493827.33	3860602.55	6.57844	2.39E+00	2.69E+00	3.33E+00
1394	493877.33	3860602.55	6.33987	2.30E+00	2.59E+00	3.21E+00
1395	493927.33	3860602.55	6.14324	2.23E+00	2.51E+00	3.11E+00
1396	493977.33	3860602.55	5.9394	2.16E+00	2.43E+00	3.01E+00
1397	494027.33	3860602.55	5.75315	2.09E+00	2.35E+00	2.91E+00
1398	493627.33	3860652.55	7.48436	2.72E+00	3.06E+00	3.79E+00
1399	493727.33	3860652.55	7.17214	2.61E+00	2.93E+00	3.63E+00
1400	493777.33	3860652.55	7.03808	2.56E+00	2.88E+00	3.56E+00
1401	493827.33	3860652.55	6.88208	2.50E+00	2.81E+00	3.49E+00
1402	493877.33	3860652.55	6.719	2.44E+00	2.74E+00	3.40E+00
1403	493927.33	3860652.55	6.52823	2.37E+00	2.67E+00	3.31E+00
1404	493977.33	3860652.55	6.35041	2.31E+00	2.59E+00	3.22E+00
1405	494027.33	3860652.55	6.13649	2.23E+00	2.51E+00	3.11E+00
1406	494311.06	3858401.99	3.45186	1.25E+00	1.41E+00	1.75E+00
1407	494361.06	3858401.99	3.36814	1.22E+00	1.38E+00	1.71E+00
1408	494411.06	3858401.99	3.30552	1.20E+00	1.35E+00	1.67E+00
1409	494461.06	3858401.99	3.26752	1.19E+00	1.33E+00	1.66E+00
1410	494511.06	3858401.99	3.18085	1.16E+00	1.30E+00	1.61E+00
1411	494561.06	3858401.99	3.12305	1.14E+00	1.28E+00	1.58E+00
1412	494611.06	3858401.99	3.0192	1.10E+00	1.23E+00	1.53E+00
1413	494661.06	3858401.99	2.91986	1.06E+00	1.19E+00	1.48E+00
1414	494711.06	3858401.99	2.78556	1.01E+00	1.14E+00	1.41E+00
1415	494761.06	3858401.99	2.7753	1.01E+00	1.13E+00	1.41E+00
1416	494811.06	3858401.99	2.75864	1.00E+00	1.13E+00	1.40E+00
1417	494861.06	3858401.99	2.74142	9.97E-01	1.12E+00	1.39E+00
1418	494911.06	3858401.99	2.71566	9.87E-01	1.11E+00	1.38E+00
1419	494961.06	3858401.99	2.67629	9.73E-01	1.09E+00	1.36E+00
1420	495011.06	3858401.99	2.60392	9.47E-01	1.06E+00	1.32E+00
1421	495061.06	3858401.99	2.54599	9.26E-01	1.04E+00	1.29E+00
1422	495111.06	3858401.99	2.40459	8.74E-01	9.82E-01	1.22E+00
1423	495161.06	3858401.99	2.38617	8.68E-01	9.75E-01	1.21E+00
1424	495211.06	3858401.99	2.25092	8.18E-01	9.20E-01	1.14E+00
1425	495261.06	3858401.99	2.17311	7.90E-01	8.88E-01	1.10E+00
1426	495311.06	3858401.99	2.08537	7.58E-01	8.52E-01	1.06E+00
1427	495361.06	3858401.99	2.01763	7.34E-01	8.24E-01	1.02E+00
1428	495411.06	3858401.99	1.96915	7.16E-01	8.04E-01	9.97E-01
1429	495461.06	3858401.99	1.92468	7.00E-01	7.86E-01	9.75E-01
1430	495511.06	3858401.99	1.86763	6.79E-01	7.63E-01	9.46E-01
1431	495561.06	3858401.99	1.77143	6.44E-01	7.24E-01	8.97E-01
1432	495611.06	3858401.99	1.7935	6.52E-01	7.33E-01	9.08E-01
1433	495661.06	3858401.99	1.87435	6.81E-01	7.66E-01	9.49E-01
1434	494311.06	3858451.99	3.61094	1.31E+00	1.48E+00	1.83E+00
1435	494361.06	3858451.99	3.56812	1.30E+00	1.46E+00	1.81E+00
1436	494411.06	3858451.99	3.52512	1.28E+00	1.44E+00	1.79E+00
1437	494461.06	3858451.99	3.47924	1.26E+00	1.42E+00	1.76E+00
1438	494511.06	3858451.99	3.4451	1.25E+00	1.41E+00	1.74E+00
1439	494561.06	3858451.99	3.36398	1.22E+00	1.37E+00	1.70E+00
1440	494611.06	3858451.99	3.29128	1.20E+00	1.34E+00	1.67E+00
1441	494661.06	3858451.99	3.20552	1.17E+00	1.31E+00	1.62E+00
1442	494711.06	3858451.99	3.09473	1.13E+00	1.26E+00	1.57E+00
1443	494761.06	3858451.99	2.97549	1.08E+00	1.22E+00	1.51E+00
1444	494811.06	3858451.99	2.86579	1.04E+00	1.17E+00	1.45E+00
1445	494861.06	3858451.99	2.8436	1.03E+00	1.16E+00	1.44E+00

1446	494911.06	3858451.99	2.80774	1.02E+00	1.15E+00	1.42E+00
1447	494961.06	3858451.99	2.77144	1.01E+00	1.13E+00	1.40E+00
1448	495011.06	3858451.99	2.71247	9.86E-01	1.11E+00	1.37E+00
1449	495061.06	3858451.99	2.70124	9.82E-01	1.10E+00	1.37E+00
1450	495111.06	3858451.99	2.62515	9.54E-01	1.07E+00	1.33E+00
1451	495161.06	3858451.99	2.52512	9.18E-01	1.03E+00	1.28E+00
1452	495211.06	3858451.99	2.42856	8.83E-01	9.92E-01	1.23E+00
1453	495261.06	3858451.99	2.36425	8.60E-01	9.66E-01	1.20E+00
1454	495311.06	3858451.99	2.30612	8.38E-01	9.42E-01	1.17E+00
1455	495361.06	3858451.99	2.25142	8.19E-01	9.20E-01	1.14E+00
1456	495411.06	3858451.99	2.21746	8.06E-01	9.06E-01	1.12E+00
1457	495461.06	3858451.99	2.18308	7.94E-01	8.92E-01	1.11E+00
1458	495511.06	3858451.99	2.10207	7.64E-01	8.59E-01	1.06E+00
1459	495561.06	3858451.99	2.07966	7.56E-01	8.50E-01	1.05E+00
1460	495611.06	3858451.99	1.97789	7.19E-01	8.08E-01	1.00E+00
1461	495661.06	3858451.99	1.93114	7.02E-01	7.89E-01	9.78E-01
1462	494311.06	3858501.99	3.63933	1.32E+00	1.49E+00	1.84E+00
1463	494361.06	3858501.99	3.64035	1.32E+00	1.49E+00	1.84E+00
1464	494411.06	3858501.99	3.6238	1.32E+00	1.48E+00	1.84E+00
1465	494461.06	3858501.99	3.61605	1.31E+00	1.48E+00	1.83E+00
1466	494511.06	3858501.99	3.55959	1.29E+00	1.45E+00	1.80E+00
1467	494561.06	3858501.99	3.57043	1.30E+00	1.46E+00	1.81E+00
1468	494611.06	3858501.99	3.50408	1.27E+00	1.43E+00	1.77E+00
1469	494661.06	3858501.99	3.44985	1.25E+00	1.41E+00	1.75E+00
1470	494711.06	3858501.99	3.35413	1.22E+00	1.37E+00	1.70E+00
1471	494761.06	3858501.99	3.23903	1.18E+00	1.32E+00	1.64E+00
1472	494811.06	3858501.99	3.1222	1.14E+00	1.28E+00	1.58E+00
1473	494861.06	3858501.99	3.02278	1.10E+00	1.23E+00	1.53E+00
1474	494911.06	3858501.99	2.86164	1.04E+00	1.17E+00	1.45E+00
1475	494961.06	3858501.99	2.85616	1.04E+00	1.17E+00	1.45E+00
1476	495011.06	3858501.99	2.80496	1.02E+00	1.15E+00	1.42E+00
1477	495061.06	3858501.99	2.81027	1.02E+00	1.15E+00	1.42E+00
1478	495111.06	3858501.99	2.70745	9.84E-01	1.11E+00	1.37E+00
1479	495161.06	3858501.99	2.64766	9.63E-01	1.08E+00	1.34E+00
1480	495211.06	3858501.99	2.57997	9.38E-01	1.05E+00	1.31E+00
1481	495261.06	3858501.99	2.53264	9.21E-01	1.03E+00	1.28E+00
1482	495311.06	3858501.99	2.50677	9.11E-01	1.02E+00	1.27E+00
1483	495361.06	3858501.99	2.47588	9.00E-01	1.01E+00	1.25E+00
1484	495411.06	3858501.99	2.45056	8.91E-01	1.00E+00	1.24E+00
1485	495461.06	3858501.99	2.41874	8.79E-01	9.88E-01	1.23E+00
1486	495511.06	3858501.99	2.36697	8.61E-01	9.67E-01	1.20E+00
1487	495561.06	3858501.99	2.34974	8.54E-01	9.60E-01	1.19E+00
1488	495611.06	3858501.99	2.25935	8.21E-01	9.23E-01	1.14E+00
1489	495661.06	3858501.99	2.22159	8.08E-01	9.08E-01	1.13E+00
1490	494311.06	3858551.99	3.53428	1.28E+00	1.44E+00	1.79E+00
1491	494361.06	3858551.99	3.62132	1.32E+00	1.48E+00	1.83E+00
1492	494411.06	3858551.99	3.70614	1.35E+00	1.51E+00	1.88E+00
1493	494461.06	3858551.99	3.73484	1.36E+00	1.53E+00	1.89E+00
1494	494511.06	3858551.99	3.73083	1.36E+00	1.52E+00	1.89E+00
1495	494561.06	3858551.99	3.72298	1.35E+00	1.52E+00	1.89E+00
1496	494611.06	3858551.99	3.68989	1.34E+00	1.51E+00	1.87E+00
1497	494661.06	3858551.99	3.65169	1.33E+00	1.49E+00	1.85E+00
1498	494711.06	3858551.99	3.56829	1.30E+00	1.46E+00	1.81E+00
1499	494761.06	3858551.99	3.47489	1.26E+00	1.42E+00	1.76E+00
1500	494811.06	3858551.99	3.38934	1.23E+00	1.38E+00	1.72E+00
1501	494861.06	3858551.99	3.27619	1.19E+00	1.34E+00	1.66E+00
1502	494911.06	3858551.99	3.14237	1.14E+00	1.28E+00	1.59E+00
1503	494961.06	3858551.99	3.02135	1.10E+00	1.23E+00	1.53E+00
1504	495011.06	3858551.99	2.8713	1.04E+00	1.17E+00	1.45E+00
1505	495061.06	3858551.99	2.86547	1.04E+00	1.17E+00	1.45E+00
1506	495111.06	3858551.99	2.7851	1.01E+00	1.14E+00	1.41E+00
1507	495161.06	3858551.99	2.74349	9.97E-01	1.12E+00	1.39E+00
1508	495211.06	3858551.99	2.70346	9.83E-01	1.10E+00	1.37E+00

1509	495261.06	3858551.99	2.68049	9.75E-01	1.10E+00	1.36E+00
1510	495311.06	3858551.99	2.67992	9.74E-01	1.09E+00	1.36E+00
1511	495361.06	3858551.99	2.66466	9.69E-01	1.09E+00	1.35E+00
1512	495411.06	3858551.99	2.66156	9.68E-01	1.09E+00	1.35E+00
1513	495461.06	3858551.99	2.63728	9.59E-01	1.08E+00	1.34E+00
1514	495511.06	3858551.99	2.62064	9.53E-01	1.07E+00	1.33E+00
1515	495561.06	3858551.99	2.58081	9.38E-01	1.05E+00	1.31E+00
1516	495611.06	3858551.99	2.52621	9.18E-01	1.03E+00	1.28E+00
1517	495661.06	3858551.99	2.46032	8.94E-01	1.01E+00	1.25E+00
1518	494311.06	3858601.99	3.25645	1.18E+00	1.33E+00	1.65E+00
1519	494361.06	3858601.99	3.54772	1.29E+00	1.45E+00	1.80E+00
1520	494411.06	3858601.99	3.76441	1.37E+00	1.54E+00	1.91E+00
1521	494461.06	3858601.99	3.80792	1.38E+00	1.56E+00	1.93E+00
1522	494511.06	3858601.99	3.80028	1.38E+00	1.55E+00	1.92E+00
1523	494561.06	3858601.99	3.84452	1.40E+00	1.57E+00	1.95E+00
1524	494611.06	3858601.99	3.81832	1.39E+00	1.56E+00	1.93E+00
1525	494661.06	3858601.99	3.7962	1.38E+00	1.55E+00	1.92E+00
1526	494711.06	3858601.99	3.74059	1.36E+00	1.53E+00	1.89E+00
1527	494761.06	3858601.99	3.67355	1.34E+00	1.50E+00	1.86E+00
1528	494811.06	3858601.99	3.56062	1.29E+00	1.45E+00	1.80E+00
1529	494861.06	3858601.99	3.48573	1.27E+00	1.42E+00	1.77E+00
1530	494911.06	3858601.99	3.3569	1.22E+00	1.37E+00	1.70E+00
1531	494961.06	3858601.99	3.24954	1.18E+00	1.33E+00	1.65E+00
1532	495011.06	3858601.99	3.13052	1.14E+00	1.28E+00	1.59E+00
1533	495061.06	3858601.99	3.00041	1.09E+00	1.23E+00	1.52E+00
1534	495111.06	3858601.99	2.82217	1.03E+00	1.15E+00	1.43E+00
1535	495161.06	3858601.99	2.80228	1.02E+00	1.14E+00	1.42E+00
1536	495211.06	3858601.99	2.81004	1.02E+00	1.15E+00	1.42E+00
1537	495261.06	3858601.99	2.8008	1.02E+00	1.14E+00	1.42E+00
1538	495311.06	3858601.99	2.79993	1.02E+00	1.14E+00	1.42E+00
1539	495361.06	3858601.99	2.81083	1.02E+00	1.15E+00	1.42E+00
1540	495411.06	3858601.99	2.81348	1.02E+00	1.15E+00	1.43E+00
1541	495461.06	3858601.99	2.81335	1.02E+00	1.15E+00	1.42E+00
1542	495511.06	3858601.99	2.77706	1.01E+00	1.13E+00	1.41E+00
1543	495561.06	3858601.99	2.77256	1.01E+00	1.13E+00	1.40E+00
1544	495611.06	3858601.99	2.71124	9.86E-01	1.11E+00	1.37E+00
1545	495661.06	3858601.99	2.68319	9.75E-01	1.10E+00	1.36E+00
1546	494311.06	3858651.99	3.35854	1.22E+00	1.37E+00	1.70E+00
1547	494361.06	3858651.99	3.57557	1.30E+00	1.46E+00	1.81E+00
1548	494411.06	3858651.99	3.77566	1.37E+00	1.54E+00	1.91E+00
1549	494461.06	3858651.99	3.81452	1.39E+00	1.56E+00	1.93E+00
1550	494511.06	3858651.99	3.84919	1.40E+00	1.57E+00	1.95E+00
1551	494561.06	3858651.99	3.88471	1.41E+00	1.59E+00	1.97E+00
1552	494611.06	3858651.99	3.90088	1.42E+00	1.59E+00	1.98E+00
1553	494661.06	3858651.99	3.89005	1.41E+00	1.59E+00	1.97E+00
1554	494711.06	3858651.99	3.84978	1.40E+00	1.57E+00	1.95E+00
1555	494761.06	3858651.99	3.8122	1.39E+00	1.56E+00	1.93E+00
1556	494811.06	3858651.99	3.73565	1.36E+00	1.53E+00	1.89E+00
1557	494861.06	3858651.99	3.65294	1.33E+00	1.49E+00	1.85E+00
1558	494911.06	3858651.99	3.54846	1.29E+00	1.45E+00	1.80E+00
1559	494961.06	3858651.99	3.44142	1.25E+00	1.41E+00	1.74E+00
1560	495011.06	3858651.99	3.34457	1.22E+00	1.37E+00	1.69E+00
1561	495061.06	3858651.99	3.22848	1.17E+00	1.32E+00	1.64E+00
1562	495111.06	3858651.99	3.08891	1.12E+00	1.26E+00	1.56E+00
1563	495161.06	3858651.99	2.97919	1.08E+00	1.22E+00	1.51E+00
1564	495211.06	3858651.99	2.85132	1.04E+00	1.16E+00	1.44E+00
1565	495261.06	3858651.99	2.89192	1.05E+00	1.18E+00	1.46E+00
1566	495311.06	3858651.99	2.90595	1.06E+00	1.19E+00	1.47E+00
1567	495361.06	3858651.99	2.93078	1.07E+00	1.20E+00	1.48E+00
1568	495411.06	3858651.99	2.95715	1.08E+00	1.21E+00	1.50E+00
1569	495461.06	3858651.99	2.98754	1.09E+00	1.22E+00	1.51E+00
1570	495511.06	3858651.99	2.96	1.08E+00	1.21E+00	1.50E+00
1571	495561.06	3858651.99	2.93867	1.07E+00	1.20E+00	1.49E+00

1572	495611.06	3858651.99	2.88494	1.05E+00	1.18E+00	1.46E+00
1573	495661.06	3858651.99	2.86824	1.04E+00	1.17E+00	1.45E+00
1574	494311.06	3858701.99	3.58309	1.30E+00	1.46E+00	1.81E+00
1575	494361.06	3858701.99	3.88663	1.41E+00	1.59E+00	1.97E+00
1576	494411.06	3858701.99	4.00692	1.46E+00	1.64E+00	2.03E+00
1577	494461.06	3858701.99	3.95649	1.44E+00	1.62E+00	2.00E+00
1578	494511.06	3858701.99	3.90356	1.42E+00	1.59E+00	1.98E+00
1579	494561.06	3858701.99	3.87486	1.41E+00	1.58E+00	1.96E+00
1580	494611.06	3858701.99	3.86902	1.41E+00	1.58E+00	1.96E+00
1581	494661.06	3858701.99	3.91429	1.42E+00	1.60E+00	1.98E+00
1582	494711.06	3858701.99	3.79878	1.38E+00	1.55E+00	1.92E+00
1583	494761.06	3858701.99	3.86542	1.41E+00	1.58E+00	1.96E+00
1584	494811.06	3858701.99	3.81222	1.39E+00	1.56E+00	1.93E+00
1585	494861.06	3858701.99	3.76185	1.37E+00	1.54E+00	1.91E+00
1586	494911.06	3858701.99	3.70849	1.35E+00	1.51E+00	1.88E+00
1587	494961.06	3858701.99	3.58063	1.30E+00	1.46E+00	1.81E+00
1588	495011.06	3858701.99	3.48648	1.27E+00	1.42E+00	1.77E+00
1589	495061.06	3858701.99	3.4292	1.25E+00	1.40E+00	1.74E+00
1590	495111.06	3858701.99	3.29993	1.20E+00	1.35E+00	1.67E+00
1591	495161.06	3858701.99	3.21377	1.17E+00	1.31E+00	1.63E+00
1592	495211.06	3858701.99	3.10056	1.13E+00	1.27E+00	1.57E+00
1593	495261.06	3858701.99	3.03508	1.10E+00	1.24E+00	1.54E+00
1594	495311.06	3858701.99	2.98218	1.08E+00	1.22E+00	1.51E+00
1595	495361.06	3858701.99	3.01479	1.10E+00	1.23E+00	1.53E+00
1596	495411.06	3858701.99	3.06499	1.11E+00	1.25E+00	1.55E+00
1597	495461.06	3858701.99	3.08975	1.12E+00	1.26E+00	1.56E+00
1598	495511.06	3858701.99	3.09185	1.12E+00	1.26E+00	1.57E+00
1599	495561.06	3858701.99	3.07582	1.12E+00	1.26E+00	1.56E+00
1600	495611.06	3858701.99	3.04953	1.11E+00	1.25E+00	1.54E+00
1601	495661.06	3858701.99	3.03461	1.10E+00	1.24E+00	1.54E+00
1602	494311.06	3858751.99	3.77445	1.37E+00	1.54E+00	1.91E+00
1603	494361.06	3858751.99	4.10806	1.49E+00	1.68E+00	2.08E+00
1604	494411.06	3858751.99	4.19198	1.52E+00	1.71E+00	2.12E+00
1605	494461.06	3858751.99	4.16024	1.51E+00	1.70E+00	2.11E+00
1606	494511.06	3858751.99	4.13881	1.50E+00	1.69E+00	2.10E+00
1607	494561.06	3858751.99	4.03415	1.47E+00	1.65E+00	2.04E+00
1608	494611.06	3858751.99	3.91783	1.42E+00	1.60E+00	1.98E+00
1609	494661.06	3858751.99	3.8736	1.41E+00	1.58E+00	1.96E+00
1610	494711.06	3858751.99	3.85557	1.40E+00	1.58E+00	1.95E+00
1611	494761.06	3858751.99	3.89404	1.42E+00	1.59E+00	1.97E+00
1612	494811.06	3858751.99	3.85963	1.40E+00	1.58E+00	1.95E+00
1613	494861.06	3858751.99	3.82041	1.39E+00	1.56E+00	1.94E+00
1614	494911.06	3858751.99	3.75877	1.37E+00	1.54E+00	1.90E+00
1615	494961.06	3858751.99	3.70885	1.35E+00	1.52E+00	1.88E+00
1616	495011.06	3858751.99	3.66857	1.33E+00	1.50E+00	1.86E+00
1617	495061.06	3858751.99	3.5934	1.31E+00	1.47E+00	1.82E+00
1618	495111.06	3858751.99	3.4933	1.27E+00	1.43E+00	1.77E+00
1619	495161.06	3858751.99	3.42102	1.24E+00	1.40E+00	1.73E+00
1620	495211.06	3858751.99	3.32435	1.21E+00	1.36E+00	1.68E+00
1621	495261.06	3858751.99	3.26793	1.19E+00	1.33E+00	1.66E+00
1622	495311.06	3858751.99	3.20928	1.17E+00	1.31E+00	1.63E+00
1623	495361.06	3858751.99	3.13234	1.14E+00	1.28E+00	1.59E+00
1624	495411.06	3858751.99	3.11358	1.13E+00	1.27E+00	1.58E+00
1625	495461.06	3858751.99	3.15452	1.15E+00	1.29E+00	1.60E+00
1626	495511.06	3858751.99	3.17379	1.15E+00	1.30E+00	1.61E+00
1627	495561.06	3858751.99	3.17846	1.16E+00	1.30E+00	1.61E+00
1628	495611.06	3858751.99	3.17388	1.15E+00	1.30E+00	1.61E+00
1629	495661.06	3858751.99	3.16917	1.15E+00	1.29E+00	1.61E+00
1630	494311.06	3858801.99	3.97187	1.44E+00	1.62E+00	2.01E+00
1631	494361.06	3858801.99	4.23649	1.54E+00	1.73E+00	2.15E+00
1632	494411.06	3858801.99	4.28579	1.56E+00	1.75E+00	2.17E+00
1633	494461.06	3858801.99	4.29529	1.56E+00	1.75E+00	2.18E+00
1634	494511.06	3858801.99	4.29984	1.56E+00	1.76E+00	2.18E+00

1635	494561.06	3858801.99	4.25162	1.55E+00	1.74E+00	2.15E+00
1636	494611.06	3858801.99	4.17784	1.52E+00	1.71E+00	2.12E+00
1637	494661.06	3858801.99	4.07063	1.48E+00	1.66E+00	2.06E+00
1638	494711.06	3858801.99	3.93869	1.43E+00	1.61E+00	1.99E+00
1639	494761.06	3858801.99	3.866	1.41E+00	1.58E+00	1.96E+00
1640	494811.06	3858801.99	3.84398	1.40E+00	1.57E+00	1.95E+00
1641	494861.06	3858801.99	3.84727	1.40E+00	1.57E+00	1.95E+00
1642	494911.06	3858801.99	3.8137	1.39E+00	1.56E+00	1.93E+00
1643	494961.06	3858801.99	3.7873	1.38E+00	1.55E+00	1.92E+00
1644	495011.06	3858801.99	3.74524	1.36E+00	1.53E+00	1.90E+00
1645	495061.06	3858801.99	3.7158	1.35E+00	1.52E+00	1.88E+00
1646	495111.06	3858801.99	3.62993	1.32E+00	1.48E+00	1.84E+00
1647	495161.06	3858801.99	3.55658	1.29E+00	1.45E+00	1.80E+00
1648	495211.06	3858801.99	3.5059	1.27E+00	1.43E+00	1.78E+00
1649	495261.06	3858801.99	3.4669	1.26E+00	1.42E+00	1.76E+00
1650	495311.06	3858801.99	3.42625	1.25E+00	1.40E+00	1.74E+00
1651	495361.06	3858801.99	3.36573	1.22E+00	1.37E+00	1.70E+00
1652	495411.06	3858801.99	3.32878	1.21E+00	1.36E+00	1.69E+00
1653	495461.06	3858801.99	3.25019	1.18E+00	1.33E+00	1.65E+00
1654	495511.06	3858801.99	3.21152	1.17E+00	1.31E+00	1.63E+00
1655	495561.06	3858801.99	3.24121	1.18E+00	1.32E+00	1.64E+00
1656	495611.06	3858801.99	3.24379	1.18E+00	1.33E+00	1.64E+00
1657	495661.06	3858801.99	3.26573	1.19E+00	1.33E+00	1.65E+00
1658	494311.06	3858851.99	4.21816	1.53E+00	1.72E+00	2.14E+00
1659	494361.06	3858851.99	4.3477	1.58E+00	1.78E+00	2.20E+00
1660	494411.06	3858851.99	4.36363	1.59E+00	1.78E+00	2.21E+00
1661	494461.06	3858851.99	4.37831	1.59E+00	1.79E+00	2.22E+00
1662	494511.06	3858851.99	4.39328	1.60E+00	1.79E+00	2.23E+00
1663	494561.06	3858851.99	4.36449	1.59E+00	1.78E+00	2.21E+00
1664	494611.06	3858851.99	4.31007	1.57E+00	1.76E+00	2.18E+00
1665	494661.06	3858851.99	4.23294	1.54E+00	1.73E+00	2.14E+00
1666	494711.06	3858851.99	4.11861	1.50E+00	1.68E+00	2.09E+00
1667	494761.06	3858851.99	3.98827	1.45E+00	1.63E+00	2.02E+00
1668	494811.06	3858851.99	3.85556	1.40E+00	1.58E+00	1.95E+00
1669	494861.06	3858851.99	3.83515	1.39E+00	1.57E+00	1.94E+00
1670	494911.06	3858851.99	3.83295	1.39E+00	1.57E+00	1.94E+00
1671	494961.06	3858851.99	3.8265	1.39E+00	1.56E+00	1.94E+00
1672	495011.06	3858851.99	3.81903	1.39E+00	1.56E+00	1.93E+00
1673	495061.06	3858851.99	3.79109	1.38E+00	1.55E+00	1.92E+00
1674	495111.06	3858851.99	3.69973	1.35E+00	1.51E+00	1.87E+00
1675	495161.06	3858851.99	3.64912	1.33E+00	1.49E+00	1.85E+00
1676	495211.06	3858851.99	3.65505	1.33E+00	1.49E+00	1.85E+00
1677	495261.06	3858851.99	3.63145	1.32E+00	1.48E+00	1.84E+00
1678	495311.06	3858851.99	3.61134	1.31E+00	1.48E+00	1.83E+00
1679	495361.06	3858851.99	3.57319	1.30E+00	1.46E+00	1.81E+00
1680	495411.06	3858851.99	3.52635	1.28E+00	1.44E+00	1.79E+00
1681	495461.06	3858851.99	3.47467	1.26E+00	1.42E+00	1.76E+00
1682	495511.06	3858851.99	3.39997	1.24E+00	1.39E+00	1.72E+00
1683	495561.06	3858851.99	3.29031	1.20E+00	1.34E+00	1.67E+00
1684	495611.06	3858851.99	3.25068	1.18E+00	1.33E+00	1.65E+00
1685	495661.06	3858851.99	3.30078	1.20E+00	1.35E+00	1.67E+00
1686	494311.06	3858901.99	4.22356	1.54E+00	1.73E+00	2.14E+00
1687	494361.06	3858901.99	4.32857	1.57E+00	1.77E+00	2.19E+00
1688	494411.06	3858901.99	4.37221	1.59E+00	1.79E+00	2.21E+00
1689	494461.06	3858901.99	4.42556	1.61E+00	1.81E+00	2.24E+00
1690	494511.06	3858901.99	4.43956	1.61E+00	1.81E+00	2.25E+00
1691	494561.06	3858901.99	4.42626	1.61E+00	1.81E+00	2.24E+00
1692	494611.06	3858901.99	4.38086	1.59E+00	1.79E+00	2.22E+00
1693	494661.06	3858901.99	4.33934	1.58E+00	1.77E+00	2.20E+00
1694	494711.06	3858901.99	4.26283	1.55E+00	1.74E+00	2.16E+00
1695	494761.06	3858901.99	4.15592	1.51E+00	1.70E+00	2.11E+00
1696	494811.06	3858901.99	4.0628	1.48E+00	1.66E+00	2.06E+00
1697	494861.06	3858901.99	3.96856	1.44E+00	1.62E+00	2.01E+00

1698	494911.06	3858901.99	3.81338	1.39E+00	1.56E+00	1.93E+00
1699	494961.06	3858901.99	3.80197	1.38E+00	1.55E+00	1.93E+00
1700	495011.06	3858901.99	3.81199	1.39E+00	1.56E+00	1.93E+00
1701	495061.06	3858901.99	3.78987	1.38E+00	1.55E+00	1.92E+00
1702	495111.06	3858901.99	3.72101	1.35E+00	1.52E+00	1.88E+00
1703	495161.06	3858901.99	3.71615	1.35E+00	1.52E+00	1.88E+00
1704	495211.06	3858901.99	3.75615	1.37E+00	1.53E+00	1.90E+00
1705	495261.06	3858901.99	3.75808	1.37E+00	1.54E+00	1.90E+00
1706	495311.06	3858901.99	3.74152	1.36E+00	1.53E+00	1.90E+00
1707	495361.06	3858901.99	3.71864	1.35E+00	1.52E+00	1.88E+00
1708	495411.06	3858901.99	3.70118	1.35E+00	1.51E+00	1.87E+00
1709	495461.06	3858901.99	3.65101	1.33E+00	1.49E+00	1.85E+00
1710	495511.06	3858901.99	3.57873	1.30E+00	1.46E+00	1.81E+00
1711	495561.06	3858901.99	3.50527	1.27E+00	1.43E+00	1.78E+00
1712	495611.06	3858901.99	3.41226	1.24E+00	1.39E+00	1.73E+00
1713	495661.06	3858901.99	3.34856	1.22E+00	1.37E+00	1.70E+00
1714	494311.06	3858951.99	4.18625	1.52E+00	1.71E+00	2.12E+00
1715	494361.06	3858951.99	4.26401	1.55E+00	1.74E+00	2.16E+00
1716	494411.06	3858951.99	4.31145	1.57E+00	1.76E+00	2.18E+00
1717	494461.06	3858951.99	4.38114	1.59E+00	1.79E+00	2.22E+00
1718	494511.06	3858951.99	4.40997	1.60E+00	1.80E+00	2.23E+00
1719	494561.06	3858951.99	4.42233	1.61E+00	1.81E+00	2.24E+00
1720	494611.06	3858951.99	4.41411	1.60E+00	1.80E+00	2.24E+00
1721	494661.06	3858951.99	4.39206	1.60E+00	1.79E+00	2.22E+00
1722	494711.06	3858951.99	4.33885	1.58E+00	1.77E+00	2.20E+00
1723	494761.06	3858951.99	4.28042	1.56E+00	1.75E+00	2.17E+00
1724	494811.06	3858951.99	4.22055	1.53E+00	1.72E+00	2.14E+00
1725	494861.06	3858951.99	4.14703	1.51E+00	1.69E+00	2.10E+00
1726	494911.06	3858951.99	4.04147	1.47E+00	1.65E+00	2.05E+00
1727	494961.06	3858951.99	3.95176	1.44E+00	1.61E+00	2.00E+00
1728	495011.06	3858951.99	3.77959	1.37E+00	1.54E+00	1.91E+00
1729	495061.06	3858951.99	3.73063	1.36E+00	1.52E+00	1.89E+00
1730	495111.06	3858951.99	3.70578	1.35E+00	1.51E+00	1.88E+00
1731	495161.06	3858951.99	3.78383	1.38E+00	1.55E+00	1.92E+00
1732	495211.06	3858951.99	3.8139	1.39E+00	1.56E+00	1.93E+00
1733	495261.06	3858951.99	3.83754	1.40E+00	1.57E+00	1.94E+00
1734	495311.06	3858951.99	3.81738	1.39E+00	1.56E+00	1.93E+00
1735	495361.06	3858951.99	3.83194	1.39E+00	1.57E+00	1.94E+00
1736	495411.06	3858951.99	3.84256	1.40E+00	1.57E+00	1.95E+00
1737	495461.06	3858951.99	3.81622	1.39E+00	1.56E+00	1.93E+00
1738	495511.06	3858951.99	3.79341	1.38E+00	1.55E+00	1.92E+00
1739	495561.06	3858951.99	3.69544	1.34E+00	1.51E+00	1.87E+00
1740	495611.06	3858951.99	3.61523	1.31E+00	1.48E+00	1.83E+00
1741	495661.06	3858951.99	3.56392	1.30E+00	1.46E+00	1.81E+00
1742	494311.06	3859001.99	4.1965	1.53E+00	1.71E+00	2.13E+00
1743	494361.06	3859001.99	4.14078	1.51E+00	1.69E+00	2.10E+00
1744	494411.06	3859001.99	4.22852	1.54E+00	1.73E+00	2.14E+00
1745	494461.06	3859001.99	4.28564	1.56E+00	1.75E+00	2.17E+00
1746	494511.06	3859001.99	4.33308	1.58E+00	1.77E+00	2.19E+00
1747	494561.06	3859001.99	4.36595	1.59E+00	1.78E+00	2.21E+00
1748	494611.06	3859001.99	4.38638	1.59E+00	1.79E+00	2.22E+00
1749	494661.06	3859001.99	4.38878	1.60E+00	1.79E+00	2.22E+00
1750	494711.06	3859001.99	4.36823	1.59E+00	1.78E+00	2.21E+00
1751	494761.06	3859001.99	4.34588	1.58E+00	1.78E+00	2.20E+00
1752	494811.06	3859001.99	4.32118	1.57E+00	1.77E+00	2.19E+00
1753	494861.06	3859001.99	4.26824	1.55E+00	1.74E+00	2.16E+00
1754	494911.06	3859001.99	4.19698	1.53E+00	1.71E+00	2.13E+00
1755	494961.06	3859001.99	4.10878	1.49E+00	1.68E+00	2.08E+00
1756	495011.06	3859001.99	3.90047	1.42E+00	1.59E+00	1.98E+00
1757	495061.06	3859001.99	3.80728	1.38E+00	1.56E+00	1.93E+00
1758	495111.06	3859001.99	3.67077	1.33E+00	1.50E+00	1.86E+00
1759	495161.06	3859001.99	3.77894	1.37E+00	1.54E+00	1.91E+00
1760	495211.06	3859001.99	3.81491	1.39E+00	1.56E+00	1.93E+00

1761	495261.06	3859001.99	3.86293	1.40E+00	1.58E+00	1.96E+00
1762	495311.06	3859001.99	3.88772	1.41E+00	1.59E+00	1.97E+00
1763	495361.06	3859001.99	3.9196	1.42E+00	1.60E+00	1.99E+00
1764	495411.06	3859001.99	3.93153	1.43E+00	1.61E+00	1.99E+00
1765	495461.06	3859001.99	3.9364	1.43E+00	1.61E+00	1.99E+00
1766	495511.06	3859001.99	3.89079	1.41E+00	1.59E+00	1.97E+00
1767	495561.06	3859001.99	3.85415	1.40E+00	1.57E+00	1.95E+00
1768	495611.06	3859001.99	3.80256	1.38E+00	1.55E+00	1.93E+00
1769	495661.06	3859001.99	3.79186	1.38E+00	1.55E+00	1.92E+00
1770	494311.06	3859051.99	4.25436	1.55E+00	1.74E+00	2.15E+00
1771	494361.06	3859051.99	4.23303	1.54E+00	1.73E+00	2.14E+00
1772	494411.06	3859051.99	4.1824	1.52E+00	1.71E+00	2.12E+00
1773	494461.06	3859051.99	4.14807	1.51E+00	1.69E+00	2.10E+00
1774	494511.06	3859051.99	4.21171	1.53E+00	1.72E+00	2.13E+00
1775	494561.06	3859051.99	4.26598	1.55E+00	1.74E+00	2.16E+00
1776	494611.06	3859051.99	4.30905	1.57E+00	1.76E+00	2.18E+00
1777	494661.06	3859051.99	4.33874	1.58E+00	1.77E+00	2.20E+00
1778	494711.06	3859051.99	4.35548	1.58E+00	1.78E+00	2.21E+00
1779	494761.06	3859051.99	4.35694	1.58E+00	1.78E+00	2.21E+00
1780	494811.06	3859051.99	4.35086	1.58E+00	1.78E+00	2.20E+00
1781	494861.06	3859051.99	4.33101	1.57E+00	1.77E+00	2.19E+00
1782	494911.06	3859051.99	4.28287	1.56E+00	1.75E+00	2.17E+00
1783	494961.06	3859051.99	4.1893	1.52E+00	1.71E+00	2.12E+00
1784	495011.06	3859051.99	4.09224	1.49E+00	1.67E+00	2.07E+00
1785	495061.06	3859051.99	4.00226	1.46E+00	1.63E+00	2.03E+00
1786	495111.06	3859051.99	3.92444	1.43E+00	1.60E+00	1.99E+00
1787	495161.06	3859051.99	3.88855	1.41E+00	1.59E+00	1.97E+00
1788	495211.06	3859051.99	3.78529	1.38E+00	1.55E+00	1.92E+00
1789	495261.06	3859051.99	3.8495	1.40E+00	1.57E+00	1.95E+00
1790	495311.06	3859051.99	3.88974	1.41E+00	1.59E+00	1.97E+00
1791	495361.06	3859051.99	3.9338	1.43E+00	1.61E+00	1.99E+00
1792	495411.06	3859051.99	3.97681	1.45E+00	1.62E+00	2.01E+00
1793	495461.06	3859051.99	4.00739	1.46E+00	1.64E+00	2.03E+00
1794	495511.06	3859051.99	3.98612	1.45E+00	1.63E+00	2.02E+00
1795	495561.06	3859051.99	3.96343	1.44E+00	1.62E+00	2.01E+00
1796	495611.06	3859051.99	3.93346	1.43E+00	1.61E+00	1.99E+00
1797	495661.06	3859051.99	3.9355	1.43E+00	1.61E+00	1.99E+00
1798	494311.06	3859101.99	4.25388	1.55E+00	1.74E+00	2.15E+00
1799	494361.06	3859101.99	4.24289	1.54E+00	1.73E+00	2.15E+00
1800	494411.06	3859101.99	4.21682	1.53E+00	1.72E+00	2.14E+00
1801	494461.06	3859101.99	4.18368	1.52E+00	1.71E+00	2.12E+00
1802	494511.06	3859101.99	4.13942	1.50E+00	1.69E+00	2.10E+00
1803	494561.06	3859101.99	4.12834	1.50E+00	1.69E+00	2.09E+00
1804	494611.06	3859101.99	4.19215	1.52E+00	1.71E+00	2.12E+00
1805	494661.06	3859101.99	4.2445	1.54E+00	1.73E+00	2.15E+00
1806	494711.06	3859101.99	4.28191	1.56E+00	1.75E+00	2.17E+00
1807	494761.06	3859101.99	4.3158	1.57E+00	1.76E+00	2.19E+00
1808	494811.06	3859101.99	4.33253	1.58E+00	1.77E+00	2.19E+00
1809	494861.06	3859101.99	4.33755	1.58E+00	1.77E+00	2.20E+00
1810	494911.06	3859101.99	4.3196	1.57E+00	1.76E+00	2.19E+00
1811	494961.06	3859101.99	4.25976	1.55E+00	1.74E+00	2.16E+00
1812	495011.06	3859101.99	4.16267	1.51E+00	1.70E+00	2.11E+00
1813	495061.06	3859101.99	4.14464	1.51E+00	1.69E+00	2.10E+00
1814	495111.06	3859101.99	4.08683	1.49E+00	1.67E+00	2.07E+00
1815	495161.06	3859101.99	4.06411	1.48E+00	1.66E+00	2.06E+00
1816	495211.06	3859101.99	3.98747	1.45E+00	1.63E+00	2.02E+00
1817	495261.06	3859101.99	3.92559	1.43E+00	1.60E+00	1.99E+00
1818	495311.06	3859101.99	3.83895	1.40E+00	1.57E+00	1.94E+00
1819	495361.06	3859101.99	3.91943	1.42E+00	1.60E+00	1.99E+00
1820	495411.06	3859101.99	3.97254	1.44E+00	1.62E+00	2.01E+00
1821	495461.06	3859101.99	3.98414	1.45E+00	1.63E+00	2.02E+00
1822	495511.06	3859101.99	4.01055	1.46E+00	1.64E+00	2.03E+00
1823	495561.06	3859101.99	4.02961	1.46E+00	1.65E+00	2.04E+00

1824	495611.06	3859101.99	4.01807	1.46E+00	1.64E+00	2.04E+00
1825	495661.06	3859101.99	4.02423	1.46E+00	1.64E+00	2.04E+00
1826	494311.06	3859151.99	4.16116	1.51E+00	1.70E+00	2.11E+00
1827	494361.06	3859151.99	4.16896	1.52E+00	1.70E+00	2.11E+00
1828	494411.06	3859151.99	4.18901	1.52E+00	1.71E+00	2.12E+00
1829	494461.06	3859151.99	4.19031	1.52E+00	1.71E+00	2.12E+00
1830	494511.06	3859151.99	4.18085	1.52E+00	1.71E+00	2.12E+00
1831	494561.06	3859151.99	4.14518	1.51E+00	1.69E+00	2.10E+00
1832	494611.06	3859151.99	4.10037	1.49E+00	1.68E+00	2.08E+00
1833	494661.06	3859151.99	4.1098	1.49E+00	1.68E+00	2.08E+00
1834	494711.06	3859151.99	4.17002	1.52E+00	1.70E+00	2.11E+00
1835	494761.06	3859151.99	4.2233	1.54E+00	1.73E+00	2.14E+00
1836	494811.06	3859151.99	4.2627	1.55E+00	1.74E+00	2.16E+00
1837	494861.06	3859151.99	4.29229	1.56E+00	1.75E+00	2.17E+00
1838	494911.06	3859151.99	4.3015	1.56E+00	1.76E+00	2.18E+00
1839	494961.06	3859151.99	4.26518	1.55E+00	1.74E+00	2.16E+00
1840	495011.06	3859151.99	4.22764	1.54E+00	1.73E+00	2.14E+00
1841	495061.06	3859151.99	4.22169	1.53E+00	1.72E+00	2.14E+00
1842	495111.06	3859151.99	4.19767	1.53E+00	1.71E+00	2.13E+00
1843	495161.06	3859151.99	4.18872	1.52E+00	1.71E+00	2.12E+00
1844	495211.06	3859151.99	4.14486	1.51E+00	1.69E+00	2.10E+00
1845	495261.06	3859151.99	4.09079	1.49E+00	1.67E+00	2.07E+00
1846	495311.06	3859151.99	4.02916	1.46E+00	1.65E+00	2.04E+00
1847	495361.06	3859151.99	3.95555	1.44E+00	1.62E+00	2.00E+00
1848	495411.06	3859151.99	3.92051	1.43E+00	1.60E+00	1.99E+00
1849	495461.06	3859151.99	3.97691	1.45E+00	1.62E+00	2.01E+00
1850	495511.06	3859151.99	4.00598	1.46E+00	1.64E+00	2.03E+00
1851	495561.06	3859151.99	4.03292	1.47E+00	1.65E+00	2.04E+00
1852	495611.06	3859151.99	4.05264	1.47E+00	1.66E+00	2.05E+00
1853	495661.06	3859151.99	4.0646	1.48E+00	1.66E+00	2.06E+00
1854	494311.06	3859201.99	3.98685	1.45E+00	1.63E+00	2.02E+00
1855	494361.06	3859201.99	4.01895	1.46E+00	1.64E+00	2.04E+00
1856	494411.06	3859201.99	4.06091	1.48E+00	1.66E+00	2.06E+00
1857	494461.06	3859201.99	4.12156	1.50E+00	1.68E+00	2.09E+00
1858	494511.06	3859201.99	4.14259	1.51E+00	1.69E+00	2.10E+00
1859	494561.06	3859201.99	4.15681	1.51E+00	1.70E+00	2.11E+00
1860	494611.06	3859201.99	4.14127	1.51E+00	1.69E+00	2.10E+00
1861	494661.06	3859201.99	4.10578	1.49E+00	1.68E+00	2.08E+00
1862	494711.06	3859201.99	4.05583	1.47E+00	1.66E+00	2.05E+00
1863	494761.06	3859201.99	4.0917	1.49E+00	1.67E+00	2.07E+00
1864	494811.06	3859201.99	4.15222	1.51E+00	1.70E+00	2.10E+00
1865	494861.06	3859201.99	4.18912	1.52E+00	1.71E+00	2.12E+00
1866	494911.06	3859201.99	4.23318	1.54E+00	1.73E+00	2.14E+00
1867	494961.06	3859201.99	4.24293	1.54E+00	1.73E+00	2.15E+00
1868	495011.06	3859201.99	4.20949	1.53E+00	1.72E+00	2.13E+00
1869	495061.06	3859201.99	4.25511	1.55E+00	1.74E+00	2.16E+00
1870	495111.06	3859201.99	4.26099	1.55E+00	1.74E+00	2.16E+00
1871	495161.06	3859201.99	4.25263	1.55E+00	1.74E+00	2.15E+00
1872	495211.06	3859201.99	4.22519	1.54E+00	1.73E+00	2.14E+00
1873	495261.06	3859201.99	4.19819	1.53E+00	1.71E+00	2.13E+00
1874	495311.06	3859201.99	4.15626	1.51E+00	1.70E+00	2.11E+00
1875	495361.06	3859201.99	4.10553	1.49E+00	1.68E+00	2.08E+00
1876	495411.06	3859201.99	4.05061	1.47E+00	1.65E+00	2.05E+00
1877	495461.06	3859201.99	3.97549	1.45E+00	1.62E+00	2.01E+00
1878	495511.06	3859201.99	3.94529	1.43E+00	1.61E+00	2.00E+00
1879	495561.06	3859201.99	3.98249	1.45E+00	1.63E+00	2.02E+00
1880	495611.06	3859201.99	4.01749	1.46E+00	1.64E+00	2.03E+00
1881	495661.06	3859201.99	4.04904	1.47E+00	1.65E+00	2.05E+00
1882	494311.06	3859251.99	3.99586	1.45E+00	1.63E+00	2.02E+00
1883	494361.06	3859251.99	3.91337	1.42E+00	1.60E+00	1.98E+00
1884	494411.06	3859251.99	3.94206	1.43E+00	1.61E+00	2.00E+00
1885	494461.06	3859251.99	3.98807	1.45E+00	1.63E+00	2.02E+00
1886	494511.06	3859251.99	4.05966	1.48E+00	1.66E+00	2.06E+00

1887	494561.06	3859251.99	4.09837	1.49E+00	1.67E+00	2.08E+00
1888	494611.06	3859251.99	4.12874	1.50E+00	1.69E+00	2.09E+00
1889	494661.06	3859251.99	4.11503	1.50E+00	1.68E+00	2.08E+00
1890	494711.06	3859251.99	4.09494	1.49E+00	1.67E+00	2.07E+00
1891	494761.06	3859251.99	4.06847	1.48E+00	1.66E+00	2.06E+00
1892	494811.06	3859251.99	4.0205	1.46E+00	1.64E+00	2.04E+00
1893	494861.06	3859251.99	4.06054	1.48E+00	1.66E+00	2.06E+00
1894	494911.06	3859251.99	4.12957	1.50E+00	1.69E+00	2.09E+00
1895	494961.06	3859251.99	4.17342	1.52E+00	1.70E+00	2.11E+00
1896	495011.06	3859251.99	4.20408	1.53E+00	1.72E+00	2.13E+00
1897	495061.06	3859251.99	4.23793	1.54E+00	1.73E+00	2.15E+00
1898	495111.06	3859251.99	4.25583	1.55E+00	1.74E+00	2.16E+00
1899	495161.06	3859251.99	4.26554	1.55E+00	1.74E+00	2.16E+00
1900	495211.06	3859251.99	4.26164	1.55E+00	1.74E+00	2.16E+00
1901	495261.06	3859251.99	4.23522	1.54E+00	1.73E+00	2.15E+00
1902	495311.06	3859251.99	4.22945	1.54E+00	1.73E+00	2.14E+00
1903	495361.06	3859251.99	4.19553	1.53E+00	1.71E+00	2.13E+00
1904	495411.06	3859251.99	4.1541	1.51E+00	1.70E+00	2.10E+00
1905	495461.06	3859251.99	4.0996	1.49E+00	1.67E+00	2.08E+00
1906	495511.06	3859251.99	4.03096	1.47E+00	1.65E+00	2.04E+00
1907	495561.06	3859251.99	3.95544	1.44E+00	1.62E+00	2.00E+00
1908	495611.06	3859251.99	3.93822	1.43E+00	1.61E+00	1.99E+00
1909	495661.06	3859251.99	3.98428	1.45E+00	1.63E+00	2.02E+00
1910	494311.06	3859301.99	4.0444	1.47E+00	1.65E+00	2.05E+00
1911	494361.06	3859301.99	3.99546	1.45E+00	1.63E+00	2.02E+00
1912	494411.06	3859301.99	3.93837	1.43E+00	1.61E+00	1.99E+00
1913	494461.06	3859301.99	3.86291	1.40E+00	1.58E+00	1.96E+00
1914	494511.06	3859301.99	3.91973	1.43E+00	1.60E+00	1.99E+00
1915	494561.06	3859301.99	3.96514	1.44E+00	1.62E+00	2.01E+00
1916	494611.06	3859301.99	4.01247	1.46E+00	1.64E+00	2.03E+00
1917	494661.06	3859301.99	4.05435	1.47E+00	1.66E+00	2.05E+00
1918	494711.06	3859301.99	4.08842	1.49E+00	1.67E+00	2.07E+00
1919	494761.06	3859301.99	4.08618	1.49E+00	1.67E+00	2.07E+00
1920	494811.06	3859301.99	4.07602	1.48E+00	1.67E+00	2.06E+00
1921	494861.06	3859301.99	4.047	1.47E+00	1.65E+00	2.05E+00
1922	494911.06	3859301.99	3.99657	1.45E+00	1.63E+00	2.02E+00
1923	494961.06	3859301.99	4.04922	1.47E+00	1.65E+00	2.05E+00
1924	495011.06	3859301.99	4.10077	1.49E+00	1.68E+00	2.08E+00
1925	495061.06	3859301.99	4.14244	1.51E+00	1.69E+00	2.10E+00
1926	495111.06	3859301.99	4.18613	1.52E+00	1.71E+00	2.12E+00
1927	495161.06	3859301.99	4.22114	1.53E+00	1.72E+00	2.14E+00
1928	495211.06	3859301.99	4.23819	1.54E+00	1.73E+00	2.15E+00
1929	495261.06	3859301.99	4.24388	1.54E+00	1.73E+00	2.15E+00
1930	495311.06	3859301.99	4.24104	1.54E+00	1.73E+00	2.15E+00
1931	495361.06	3859301.99	4.22601	1.54E+00	1.73E+00	2.14E+00
1932	495411.06	3859301.99	4.20116	1.53E+00	1.72E+00	2.13E+00
1933	495461.06	3859301.99	4.16574	1.51E+00	1.70E+00	2.11E+00
1934	495511.06	3859301.99	4.12251	1.50E+00	1.68E+00	2.09E+00
1935	495561.06	3859301.99	4.06745	1.48E+00	1.66E+00	2.06E+00
1936	495611.06	3859301.99	4.00251	1.46E+00	1.64E+00	2.03E+00
1937	495661.06	3859301.99	3.92801	1.43E+00	1.60E+00	1.99E+00
1938	494311.06	3859351.99	4.04782	1.47E+00	1.65E+00	2.05E+00
1939	494361.06	3859351.99	4.02585	1.46E+00	1.64E+00	2.04E+00
1940	494411.06	3859351.99	4.0085	1.46E+00	1.64E+00	2.03E+00
1941	494461.06	3859351.99	3.96164	1.44E+00	1.62E+00	2.01E+00
1942	494511.06	3859351.99	3.89392	1.42E+00	1.59E+00	1.97E+00
1943	494561.06	3859351.99	3.82653	1.39E+00	1.56E+00	1.94E+00
1944	494611.06	3859351.99	3.87585	1.41E+00	1.58E+00	1.96E+00
1945	494661.06	3859351.99	3.93343	1.43E+00	1.61E+00	1.99E+00
1946	494711.06	3859351.99	3.99122	1.45E+00	1.63E+00	2.02E+00
1947	494761.06	3859351.99	4.04565	1.47E+00	1.65E+00	2.05E+00
1948	494811.06	3859351.99	4.10442	1.49E+00	1.68E+00	2.08E+00
1949	494861.06	3859351.99	4.08651	1.49E+00	1.67E+00	2.07E+00

1950	494911.06	3859351.99	4.05096	1.47E+00	1.65E+00	2.05E+00
1951	494961.06	3859351.99	4.00698	1.46E+00	1.64E+00	2.03E+00
1952	495011.06	3859351.99	3.97685	1.45E+00	1.62E+00	2.01E+00
1953	495061.06	3859351.99	4.02813	1.46E+00	1.65E+00	2.04E+00
1954	495111.06	3859351.99	4.0834	1.48E+00	1.67E+00	2.07E+00
1955	495161.06	3859351.99	4.12536	1.50E+00	1.69E+00	2.09E+00
1956	495211.06	3859351.99	4.15907	1.51E+00	1.70E+00	2.11E+00
1957	495261.06	3859351.99	4.17938	1.52E+00	1.71E+00	2.12E+00
1958	495311.06	3859351.99	4.19779	1.53E+00	1.71E+00	2.13E+00
1959	495361.06	3859351.99	4.20247	1.53E+00	1.72E+00	2.13E+00
1960	495411.06	3859351.99	4.19438	1.52E+00	1.71E+00	2.12E+00
1961	495461.06	3859351.99	4.1737	1.52E+00	1.70E+00	2.11E+00
1962	495511.06	3859351.99	4.15785	1.51E+00	1.70E+00	2.11E+00
1963	495561.06	3859351.99	4.1271	1.50E+00	1.69E+00	2.09E+00
1964	495611.06	3859351.99	4.08378	1.48E+00	1.67E+00	2.07E+00
1965	495661.06	3859351.99	4.03338	1.47E+00	1.65E+00	2.04E+00
1966	494311.06	3859401.99	3.97032	1.44E+00	1.62E+00	2.01E+00
1967	494361.06	3859401.99	4.0062	1.46E+00	1.64E+00	2.03E+00
1968	494411.06	3859401.99	4.02408	1.46E+00	1.64E+00	2.04E+00
1969	494461.06	3859401.99	4.00283	1.46E+00	1.64E+00	2.03E+00
1970	494511.06	3859401.99	3.95231	1.44E+00	1.61E+00	2.00E+00
1971	494561.06	3859401.99	3.89551	1.42E+00	1.59E+00	1.97E+00
1972	494611.06	3859401.99	3.82971	1.39E+00	1.56E+00	1.94E+00
1973	494661.06	3859401.99	3.79097	1.38E+00	1.55E+00	1.92E+00
1974	494711.06	3859401.99	3.83275	1.39E+00	1.57E+00	1.94E+00
1975	494761.06	3859401.99	3.90096	1.42E+00	1.59E+00	1.98E+00
1976	494811.06	3859401.99	3.9924	1.45E+00	1.63E+00	2.02E+00
1977	494861.06	3859401.99	4.0556	1.47E+00	1.66E+00	2.05E+00
1978	494911.06	3859401.99	4.04616	1.47E+00	1.65E+00	2.05E+00
1979	494961.06	3859401.99	4.03478	1.47E+00	1.65E+00	2.04E+00
1980	495011.06	3859401.99	3.9958	1.45E+00	1.63E+00	2.02E+00
1981	495061.06	3859401.99	3.92737	1.43E+00	1.60E+00	1.99E+00
1982	495111.06	3859401.99	3.92368	1.43E+00	1.60E+00	1.99E+00
1983	495161.06	3859401.99	3.99087	1.45E+00	1.63E+00	2.02E+00
1984	495211.06	3859401.99	4.03157	1.47E+00	1.65E+00	2.04E+00
1985	495261.06	3859401.99	4.07085	1.48E+00	1.66E+00	2.06E+00
1986	495311.06	3859401.99	4.10329	1.49E+00	1.68E+00	2.08E+00
1987	495361.06	3859401.99	4.11441	1.50E+00	1.68E+00	2.08E+00
1988	495411.06	3859401.99	4.12392	1.50E+00	1.68E+00	2.09E+00
1989	495461.06	3859401.99	4.13321	1.50E+00	1.69E+00	2.09E+00
1990	495511.06	3859401.99	4.14063	1.51E+00	1.69E+00	2.10E+00
1991	495561.06	3859401.99	4.13983	1.51E+00	1.69E+00	2.10E+00
1992	495611.06	3859401.99	4.118	1.50E+00	1.68E+00	2.09E+00
1993	495661.06	3859401.99	4.08462	1.48E+00	1.67E+00	2.07E+00
1994	494311.06	3859451.99	3.90027	1.42E+00	1.59E+00	1.98E+00
1995	494361.06	3859451.99	3.94416	1.43E+00	1.61E+00	2.00E+00
1996	494411.06	3859451.99	4.01511	1.46E+00	1.64E+00	2.03E+00
1997	494461.06	3859451.99	3.99009	1.45E+00	1.63E+00	2.02E+00
1998	494511.06	3859451.99	3.98128	1.45E+00	1.63E+00	2.02E+00
1999	494561.06	3859451.99	3.94604	1.43E+00	1.61E+00	2.00E+00
2000	494611.06	3859451.99	3.88412	1.41E+00	1.59E+00	1.97E+00
2001	494661.06	3859451.99	3.83955	1.40E+00	1.57E+00	1.94E+00
2002	494711.06	3859451.99	3.77486	1.37E+00	1.54E+00	1.91E+00
2003	494761.06	3859451.99	3.77063	1.37E+00	1.54E+00	1.91E+00
2004	494811.06	3859451.99	3.83597	1.39E+00	1.57E+00	1.94E+00
2005	494861.06	3859451.99	3.90071	1.42E+00	1.59E+00	1.98E+00
2006	494911.06	3859451.99	3.93993	1.43E+00	1.61E+00	2.00E+00
2007	494961.06	3859451.99	3.9424	1.43E+00	1.61E+00	2.00E+00
2008	495011.06	3859451.99	3.94647	1.43E+00	1.61E+00	2.00E+00
2009	495061.06	3859451.99	3.93987	1.43E+00	1.61E+00	2.00E+00
2010	495111.06	3859451.99	3.91614	1.42E+00	1.60E+00	1.98E+00
2011	495161.06	3859451.99	3.86348	1.40E+00	1.58E+00	1.96E+00
2012	495211.06	3859451.99	3.85966	1.40E+00	1.58E+00	1.95E+00

2013	495261.06	3859451.99	3.90228	1.42E+00	1.59E+00	1.98E+00
2014	495311.06	3859451.99	3.95125	1.44E+00	1.61E+00	2.00E+00
2015	495361.06	3859451.99	3.98786	1.45E+00	1.63E+00	2.02E+00
2016	495411.06	3859451.99	4.02117	1.46E+00	1.64E+00	2.04E+00
2017	495461.06	3859451.99	4.04135	1.47E+00	1.65E+00	2.05E+00
2018	495511.06	3859451.99	4.0773	1.48E+00	1.67E+00	2.07E+00
2019	495561.06	3859451.99	4.08813	1.49E+00	1.67E+00	2.07E+00
2020	495611.06	3859451.99	4.08868	1.49E+00	1.67E+00	2.07E+00
2021	495661.06	3859451.99	4.07815	1.48E+00	1.67E+00	2.07E+00
2022	494311.06	3859501.99	3.77647	1.37E+00	1.54E+00	1.91E+00
2023	494361.06	3859501.99	3.84176	1.40E+00	1.57E+00	1.95E+00
2024	494411.06	3859501.99	3.95709	1.44E+00	1.62E+00	2.00E+00
2025	494461.06	3859501.99	3.91547	1.42E+00	1.60E+00	1.98E+00
2026	494511.06	3859501.99	3.94541	1.43E+00	1.61E+00	2.00E+00
2027	494561.06	3859501.99	3.94664	1.43E+00	1.61E+00	2.00E+00
2028	494611.06	3859501.99	3.87085	1.41E+00	1.58E+00	1.96E+00
2029	494661.06	3859501.99	3.86996	1.41E+00	1.58E+00	1.96E+00
2030	494711.06	3859501.99	3.85621	1.40E+00	1.58E+00	1.95E+00
2031	494761.06	3859501.99	3.7731	1.37E+00	1.54E+00	1.91E+00
2032	494811.06	3859501.99	3.73654	1.36E+00	1.53E+00	1.89E+00
2033	494861.06	3859501.99	3.75947	1.37E+00	1.54E+00	1.90E+00
2034	494911.06	3859501.99	3.78317	1.38E+00	1.55E+00	1.92E+00
2035	494961.06	3859501.99	3.83035	1.39E+00	1.56E+00	1.94E+00
2036	495011.06	3859501.99	3.8345	1.39E+00	1.57E+00	1.94E+00
2037	495061.06	3859501.99	3.83007	1.39E+00	1.56E+00	1.94E+00
2038	495111.06	3859501.99	3.84454	1.40E+00	1.57E+00	1.95E+00
2039	495161.06	3859501.99	3.81743	1.39E+00	1.56E+00	1.93E+00
2040	495211.06	3859501.99	3.76816	1.37E+00	1.54E+00	1.91E+00
2041	495261.06	3859501.99	3.72091	1.35E+00	1.52E+00	1.88E+00
2042	495311.06	3859501.99	3.72136	1.35E+00	1.52E+00	1.88E+00
2043	495361.06	3859501.99	3.77148	1.37E+00	1.54E+00	1.91E+00
2044	495411.06	3859501.99	3.82003	1.39E+00	1.56E+00	1.93E+00
2045	495461.06	3859501.99	3.87141	1.41E+00	1.58E+00	1.96E+00
2046	495511.06	3859501.99	3.94635	1.43E+00	1.61E+00	2.00E+00
2047	495561.06	3859501.99	3.97918	1.45E+00	1.63E+00	2.02E+00
2048	495611.06	3859501.99	4.00502	1.46E+00	1.64E+00	2.03E+00
2049	495661.06	3859501.99	4.02278	1.46E+00	1.64E+00	2.04E+00
2050	494311.06	3859551.99	3.6204	1.32E+00	1.48E+00	1.83E+00
2051	494361.06	3859551.99	3.71847	1.35E+00	1.52E+00	1.88E+00
2052	494411.06	3859551.99	3.86231	1.40E+00	1.58E+00	1.96E+00
2053	494461.06	3859551.99	3.82573	1.39E+00	1.56E+00	1.94E+00
2054	494511.06	3859551.99	3.86586	1.41E+00	1.58E+00	1.96E+00
2055	494561.06	3859551.99	3.8791	1.41E+00	1.58E+00	1.96E+00
2056	494611.06	3859551.99	3.85546	1.40E+00	1.57E+00	1.95E+00
2057	494661.06	3859551.99	3.84185	1.40E+00	1.57E+00	1.95E+00
2058	494711.06	3859551.99	3.90972	1.42E+00	1.60E+00	1.98E+00
2059	494761.06	3859551.99	3.80895	1.38E+00	1.56E+00	1.93E+00
2060	494811.06	3859551.99	3.80111	1.38E+00	1.55E+00	1.93E+00
2061	494861.06	3859551.99	3.73686	1.36E+00	1.53E+00	1.89E+00
2062	494911.06	3859551.99	3.67137	1.33E+00	1.50E+00	1.86E+00
2063	494961.06	3859551.99	3.69926	1.34E+00	1.51E+00	1.87E+00
2064	495011.06	3859551.99	3.71248	1.35E+00	1.52E+00	1.88E+00
2065	495061.06	3859551.99	3.72986	1.36E+00	1.52E+00	1.89E+00
2066	495111.06	3859551.99	3.74802	1.36E+00	1.53E+00	1.90E+00
2067	495161.06	3859551.99	3.73367	1.36E+00	1.53E+00	1.89E+00
2068	495211.06	3859551.99	3.70342	1.35E+00	1.51E+00	1.88E+00
2069	495261.06	3859551.99	3.68617	1.34E+00	1.51E+00	1.87E+00
2070	495311.06	3859551.99	3.65341	1.33E+00	1.49E+00	1.85E+00
2071	495361.06	3859551.99	3.60723	1.31E+00	1.47E+00	1.83E+00
2072	495411.06	3859551.99	3.6115	1.31E+00	1.48E+00	1.83E+00
2073	495461.06	3859551.99	3.6905	1.34E+00	1.51E+00	1.87E+00
2074	495511.06	3859551.99	3.76803	1.37E+00	1.54E+00	1.91E+00
2075	495561.06	3859551.99	3.80499	1.38E+00	1.55E+00	1.93E+00

2076	495611.06	3859551.99	3.84726	1.40E+00	1.57E+00	1.95E+00
2077	495661.06	3859551.99	3.89973	1.42E+00	1.59E+00	1.98E+00
2078	494311.06	3859601.99	3.43644	1.25E+00	1.40E+00	1.74E+00
2079	494361.06	3859601.99	3.62024	1.32E+00	1.48E+00	1.83E+00
2080	494411.06	3859601.99	3.73398	1.36E+00	1.53E+00	1.89E+00
2081	494461.06	3859601.99	3.69985	1.35E+00	1.51E+00	1.87E+00
2082	494511.06	3859601.99	3.79142	1.38E+00	1.55E+00	1.92E+00
2083	494561.06	3859601.99	3.76622	1.37E+00	1.54E+00	1.91E+00
2084	494611.06	3859601.99	3.75263	1.36E+00	1.53E+00	1.90E+00
2085	494661.06	3859601.99	3.81611	1.39E+00	1.56E+00	1.93E+00
2086	494711.06	3859601.99	3.87827	1.41E+00	1.58E+00	1.96E+00
2087	494761.06	3859601.99	3.75359	1.36E+00	1.53E+00	1.90E+00
2088	494811.06	3859601.99	3.79639	1.38E+00	1.55E+00	1.92E+00
2089	494861.06	3859601.99	3.75003	1.36E+00	1.53E+00	1.90E+00
2090	494911.06	3859601.99	3.72679	1.35E+00	1.52E+00	1.89E+00
2091	494961.06	3859601.99	3.6187	1.32E+00	1.48E+00	1.83E+00
2092	495011.06	3859601.99	3.6022	1.31E+00	1.47E+00	1.82E+00
2093	495061.06	3859601.99	3.60904	1.31E+00	1.47E+00	1.83E+00
2094	495111.06	3859601.99	3.65102	1.33E+00	1.49E+00	1.85E+00
2095	495161.06	3859601.99	3.64741	1.33E+00	1.49E+00	1.85E+00
2096	495211.06	3859601.99	3.65153	1.33E+00	1.49E+00	1.85E+00
2097	495261.06	3859601.99	3.63691	1.32E+00	1.49E+00	1.84E+00
2098	495311.06	3859601.99	3.61111	1.31E+00	1.48E+00	1.83E+00
2099	495361.06	3859601.99	3.5892	1.30E+00	1.47E+00	1.82E+00
2100	495411.06	3859601.99	3.54822	1.29E+00	1.45E+00	1.80E+00
2101	495461.06	3859601.99	3.53506	1.29E+00	1.44E+00	1.79E+00
2102	495511.06	3859601.99	3.58456	1.30E+00	1.46E+00	1.82E+00
2103	495561.06	3859601.99	3.61253	1.31E+00	1.48E+00	1.83E+00
2104	495611.06	3859601.99	3.69629	1.34E+00	1.51E+00	1.87E+00
2105	495661.06	3859601.99	3.7247	1.35E+00	1.52E+00	1.89E+00
2106	494311.06	3859651.99	3.31522	1.21E+00	1.35E+00	1.68E+00
2107	494361.06	3859651.99	3.4781	1.26E+00	1.42E+00	1.76E+00
2108	494411.06	3859651.99	3.53881	1.29E+00	1.45E+00	1.79E+00
2109	494461.06	3859651.99	3.52371	1.28E+00	1.44E+00	1.78E+00
2110	494511.06	3859651.99	3.57935	1.30E+00	1.46E+00	1.81E+00
2111	494561.06	3859651.99	3.59615	1.31E+00	1.47E+00	1.82E+00
2112	494611.06	3859651.99	3.61643	1.31E+00	1.48E+00	1.83E+00
2113	494661.06	3859651.99	3.73561	1.36E+00	1.53E+00	1.89E+00
2114	494711.06	3859651.99	3.72841	1.36E+00	1.52E+00	1.89E+00
2115	494761.06	3859651.99	3.71461	1.35E+00	1.52E+00	1.88E+00
2116	494811.06	3859651.99	3.73534	1.36E+00	1.53E+00	1.89E+00
2117	494861.06	3859651.99	3.70412	1.35E+00	1.51E+00	1.88E+00
2118	494911.06	3859651.99	3.67765	1.34E+00	1.50E+00	1.86E+00
2119	494961.06	3859651.99	3.63062	1.32E+00	1.48E+00	1.84E+00
2120	495011.06	3859651.99	3.58254	1.30E+00	1.46E+00	1.81E+00
2121	495061.06	3859651.99	3.50657	1.27E+00	1.43E+00	1.78E+00
2122	495111.06	3859651.99	3.4945	1.27E+00	1.43E+00	1.77E+00
2123	495161.06	3859651.99	3.51844	1.28E+00	1.44E+00	1.78E+00
2124	495211.06	3859651.99	3.52553	1.28E+00	1.44E+00	1.79E+00
2125	495261.06	3859651.99	3.54006	1.29E+00	1.45E+00	1.79E+00
2126	495311.06	3859651.99	3.53583	1.29E+00	1.44E+00	1.79E+00
2127	495361.06	3859651.99	3.52177	1.28E+00	1.44E+00	1.78E+00
2128	495411.06	3859651.99	3.50818	1.28E+00	1.43E+00	1.78E+00
2129	495461.06	3859651.99	3.51836	1.28E+00	1.44E+00	1.78E+00
2130	495511.06	3859651.99	3.50961	1.28E+00	1.43E+00	1.78E+00
2131	495561.06	3859651.99	3.46945	1.26E+00	1.42E+00	1.76E+00
2132	495611.06	3859651.99	3.52005	1.28E+00	1.44E+00	1.78E+00
2133	495661.06	3859651.99	3.56877	1.30E+00	1.46E+00	1.81E+00
2134	494311.06	3859701.99	3.24507	1.18E+00	1.33E+00	1.64E+00
2135	494361.06	3859701.99	3.33619	1.21E+00	1.36E+00	1.69E+00
2136	494411.06	3859701.99	3.37681	1.23E+00	1.38E+00	1.71E+00
2137	494461.06	3859701.99	3.35251	1.22E+00	1.37E+00	1.70E+00
2138	494511.06	3859701.99	3.39592	1.23E+00	1.39E+00	1.72E+00

2139	494561.06	3859701.99	3.41801	1.24E+00	1.40E+00	1.73E+00
2140	494611.06	3859701.99	3.43996	1.25E+00	1.41E+00	1.74E+00
2141	494661.06	3859701.99	3.61647	1.31E+00	1.48E+00	1.83E+00
2142	494711.06	3859701.99	3.58489	1.30E+00	1.46E+00	1.82E+00
2143	494761.06	3859701.99	3.6361	1.32E+00	1.49E+00	1.84E+00
2144	494811.06	3859701.99	3.67321	1.34E+00	1.50E+00	1.86E+00
2145	494861.06	3859701.99	3.6113	1.31E+00	1.48E+00	1.83E+00
2146	494911.06	3859701.99	3.61368	1.31E+00	1.48E+00	1.83E+00
2147	494961.06	3859701.99	3.596	1.31E+00	1.47E+00	1.82E+00
2148	495011.06	3859701.99	3.5437	1.29E+00	1.45E+00	1.79E+00
2149	495061.06	3859701.99	3.50241	1.27E+00	1.43E+00	1.77E+00
2150	495111.06	3859701.99	3.45301	1.26E+00	1.41E+00	1.75E+00
2151	495161.06	3859701.99	3.4013	1.24E+00	1.39E+00	1.72E+00
2152	495211.06	3859701.99	3.39965	1.24E+00	1.39E+00	1.72E+00
2153	495261.06	3859701.99	3.39374	1.23E+00	1.39E+00	1.72E+00
2154	495311.06	3859701.99	3.41534	1.24E+00	1.40E+00	1.73E+00
2155	495361.06	3859701.99	3.43335	1.25E+00	1.40E+00	1.74E+00
2156	495411.06	3859701.99	3.46447	1.26E+00	1.42E+00	1.75E+00
2157	495461.06	3859701.99	3.46681	1.26E+00	1.42E+00	1.76E+00
2158	495511.06	3859701.99	3.49929	1.27E+00	1.43E+00	1.77E+00
2159	495561.06	3859701.99	3.44099	1.25E+00	1.41E+00	1.74E+00
2160	495611.06	3859701.99	3.41432	1.24E+00	1.39E+00	1.73E+00
2161	495661.06	3859701.99	3.41155	1.24E+00	1.39E+00	1.73E+00
2162	494311.06	3859751.99	3.09881	1.13E+00	1.27E+00	1.57E+00
2163	494361.06	3859751.99	3.13536	1.14E+00	1.28E+00	1.59E+00
2164	494411.06	3859751.99	3.2026	1.16E+00	1.31E+00	1.62E+00
2165	494461.06	3859751.99	3.21609	1.17E+00	1.31E+00	1.63E+00
2166	494511.06	3859751.99	3.23702	1.18E+00	1.32E+00	1.64E+00
2167	494561.06	3859751.99	3.27507	1.19E+00	1.34E+00	1.66E+00
2168	494611.06	3859751.99	3.32478	1.21E+00	1.36E+00	1.68E+00
2169	494661.06	3859751.99	3.41374	1.24E+00	1.39E+00	1.73E+00
2170	494711.06	3859751.99	3.41116	1.24E+00	1.39E+00	1.73E+00
2171	494761.06	3859751.99	3.41628	1.24E+00	1.40E+00	1.73E+00
2172	494811.06	3859751.99	3.45851	1.26E+00	1.41E+00	1.75E+00
2173	494861.06	3859751.99	3.46579	1.26E+00	1.42E+00	1.76E+00
2174	494911.06	3859751.99	3.46208	1.26E+00	1.41E+00	1.75E+00
2175	494961.06	3859751.99	3.45277	1.26E+00	1.41E+00	1.75E+00
2176	495011.06	3859751.99	3.44432	1.25E+00	1.41E+00	1.74E+00
2177	495061.06	3859751.99	3.40474	1.24E+00	1.39E+00	1.72E+00
2178	495111.06	3859751.99	3.38242	1.23E+00	1.38E+00	1.71E+00
2179	495161.06	3859751.99	3.3595	1.22E+00	1.37E+00	1.70E+00
2180	495211.06	3859751.99	3.33171	1.21E+00	1.36E+00	1.69E+00
2181	495261.06	3859751.99	3.26404	1.19E+00	1.33E+00	1.65E+00
2182	495311.06	3859751.99	3.27824	1.19E+00	1.34E+00	1.66E+00
2183	495361.06	3859751.99	3.30104	1.20E+00	1.35E+00	1.67E+00
2184	495411.06	3859751.99	3.31999	1.21E+00	1.36E+00	1.68E+00
2185	495461.06	3859751.99	3.35546	1.22E+00	1.37E+00	1.70E+00
2186	495511.06	3859751.99	3.3854	1.23E+00	1.38E+00	1.71E+00
2187	495561.06	3859751.99	3.38401	1.23E+00	1.38E+00	1.71E+00
2188	495611.06	3859751.99	3.37485	1.23E+00	1.38E+00	1.71E+00
2189	495661.06	3859751.99	3.34631	1.22E+00	1.37E+00	1.69E+00
2190	494311.06	3859801.99	3.06581	1.11E+00	1.25E+00	1.55E+00
2191	494361.06	3859801.99	2.99028	1.09E+00	1.22E+00	1.51E+00
2192	494411.06	3859801.99	3.05722	1.11E+00	1.25E+00	1.55E+00
2193	494461.06	3859801.99	3.08235	1.12E+00	1.26E+00	1.56E+00
2194	494511.06	3859801.99	3.07752	1.12E+00	1.26E+00	1.56E+00
2195	494561.06	3859801.99	3.12393	1.14E+00	1.28E+00	1.58E+00
2196	494611.06	3859801.99	3.21825	1.17E+00	1.31E+00	1.63E+00
2197	494661.06	3859801.99	3.25962	1.19E+00	1.33E+00	1.65E+00
2198	494711.06	3859801.99	3.30945	1.20E+00	1.35E+00	1.68E+00
2199	494761.06	3859801.99	3.28537	1.19E+00	1.34E+00	1.66E+00
2200	494811.06	3859801.99	3.31088	1.20E+00	1.35E+00	1.68E+00
2201	494861.06	3859801.99	3.31045	1.20E+00	1.35E+00	1.68E+00

2202	494911.06	3859801.99	3.33901	1.21E+00	1.36E+00	1.69E+00
2203	494961.06	3859801.99	3.33572	1.21E+00	1.36E+00	1.69E+00
2204	495011.06	3859801.99	3.33064	1.21E+00	1.36E+00	1.69E+00
2205	495061.06	3859801.99	3.31003	1.20E+00	1.35E+00	1.68E+00
2206	495111.06	3859801.99	3.31516	1.21E+00	1.35E+00	1.68E+00
2207	495161.06	3859801.99	3.30812	1.20E+00	1.35E+00	1.68E+00
2208	495211.06	3859801.99	3.26384	1.19E+00	1.33E+00	1.65E+00
2209	495261.06	3859801.99	3.24472	1.18E+00	1.33E+00	1.64E+00
2210	495311.06	3859801.99	3.18585	1.16E+00	1.30E+00	1.61E+00
2211	495361.06	3859801.99	3.15192	1.15E+00	1.29E+00	1.60E+00
2212	495411.06	3859801.99	3.20293	1.16E+00	1.31E+00	1.62E+00
2213	495461.06	3859801.99	3.23205	1.18E+00	1.32E+00	1.64E+00
2214	495511.06	3859801.99	3.2722	1.19E+00	1.34E+00	1.66E+00
2215	495561.06	3859801.99	3.27537	1.19E+00	1.34E+00	1.66E+00
2216	495611.06	3859801.99	3.24888	1.18E+00	1.33E+00	1.65E+00
2217	495661.06	3859801.99	3.26516	1.19E+00	1.33E+00	1.65E+00
2218	494311.06	3859851.99	3.36058	1.22E+00	1.37E+00	1.70E+00
2219	494361.06	3859851.99	3.27688	1.19E+00	1.34E+00	1.66E+00
2220	494411.06	3859851.99	3.17094	1.15E+00	1.30E+00	1.61E+00
2221	494461.06	3859851.99	3.11408	1.13E+00	1.27E+00	1.58E+00
2222	494511.06	3859851.99	3.15201	1.15E+00	1.29E+00	1.60E+00
2223	494561.06	3859851.99	3.20894	1.17E+00	1.31E+00	1.63E+00
2224	494611.06	3859851.99	3.08065	1.12E+00	1.26E+00	1.56E+00
2225	494661.06	3859851.99	3.09964	1.13E+00	1.27E+00	1.57E+00
2226	494711.06	3859851.99	3.17495	1.15E+00	1.30E+00	1.61E+00
2227	494761.06	3859851.99	3.15536	1.15E+00	1.29E+00	1.60E+00
2228	494811.06	3859851.99	3.19175	1.16E+00	1.30E+00	1.62E+00
2229	494861.06	3859851.99	3.19373	1.16E+00	1.30E+00	1.62E+00
2230	494911.06	3859851.99	3.22399	1.17E+00	1.32E+00	1.63E+00
2231	494961.06	3859851.99	3.22665	1.17E+00	1.32E+00	1.63E+00
2232	495011.06	3859851.99	3.22627	1.17E+00	1.32E+00	1.63E+00
2233	495061.06	3859851.99	3.20976	1.17E+00	1.31E+00	1.63E+00
2234	495111.06	3859851.99	3.2171	1.17E+00	1.31E+00	1.63E+00
2235	495161.06	3859851.99	3.20347	1.16E+00	1.31E+00	1.62E+00
2236	495211.06	3859851.99	3.1902	1.16E+00	1.30E+00	1.62E+00
2237	495261.06	3859851.99	3.16333	1.15E+00	1.29E+00	1.60E+00
2238	495311.06	3859851.99	3.1236	1.14E+00	1.28E+00	1.58E+00
2239	495361.06	3859851.99	3.08634	1.12E+00	1.26E+00	1.56E+00
2240	495411.06	3859851.99	3.06858	1.12E+00	1.25E+00	1.55E+00
2241	495461.06	3859851.99	3.06087	1.11E+00	1.25E+00	1.55E+00
2242	495511.06	3859851.99	3.11759	1.13E+00	1.27E+00	1.58E+00
2243	495561.06	3859851.99	3.12072	1.13E+00	1.27E+00	1.58E+00
2244	495611.06	3859851.99	3.12509	1.14E+00	1.28E+00	1.58E+00
2245	495661.06	3859851.99	3.16165	1.15E+00	1.29E+00	1.60E+00
2246	494311.06	3859901.99	3.64271	1.32E+00	1.49E+00	1.85E+00
2247	494361.06	3859901.99	3.47439	1.26E+00	1.42E+00	1.76E+00
2248	494411.06	3859901.99	3.48192	1.27E+00	1.42E+00	1.76E+00
2249	494461.06	3859901.99	3.42697	1.25E+00	1.40E+00	1.74E+00
2250	494511.06	3859901.99	3.42058	1.24E+00	1.40E+00	1.73E+00
2251	494561.06	3859901.99	3.51446	1.28E+00	1.44E+00	1.78E+00
2252	494611.06	3859901.99	3.30884	1.20E+00	1.35E+00	1.68E+00
2253	494661.06	3859901.99	3.37674	1.23E+00	1.38E+00	1.71E+00
2254	494711.06	3859901.99	3.18023	1.16E+00	1.30E+00	1.61E+00
2255	494761.06	3859901.99	3.20842	1.17E+00	1.31E+00	1.63E+00
2256	494811.06	3859901.99	3.23572	1.18E+00	1.32E+00	1.64E+00
2257	494861.06	3859901.99	3.21727	1.17E+00	1.31E+00	1.63E+00
2258	494911.06	3859901.99	3.13759	1.14E+00	1.28E+00	1.59E+00
2259	494961.06	3859901.99	3.11079	1.13E+00	1.27E+00	1.58E+00
2260	495011.06	3859901.99	3.10176	1.13E+00	1.27E+00	1.57E+00
2261	495061.06	3859901.99	3.11362	1.13E+00	1.27E+00	1.58E+00
2262	495111.06	3859901.99	3.14517	1.14E+00	1.28E+00	1.59E+00
2263	495161.06	3859901.99	3.15405	1.15E+00	1.29E+00	1.60E+00
2264	495211.06	3859901.99	3.12493	1.14E+00	1.28E+00	1.58E+00

2265	495261.06	3859901.99	3.13173	1.14E+00	1.28E+00	1.59E+00
2266	495311.06	3859901.99	3.09075	1.12E+00	1.26E+00	1.57E+00
2267	495361.06	3859901.99	3.0639	1.11E+00	1.25E+00	1.55E+00
2268	495411.06	3859901.99	3.05302	1.11E+00	1.25E+00	1.55E+00
2269	495461.06	3859901.99	3.01735	1.10E+00	1.23E+00	1.53E+00
2270	495511.06	3859901.99	2.96162	1.08E+00	1.21E+00	1.50E+00
2271	495561.06	3859901.99	2.94679	1.07E+00	1.20E+00	1.49E+00
2272	495611.06	3859901.99	2.98787	1.09E+00	1.22E+00	1.51E+00
2273	495661.06	3859901.99	3.0325	1.10E+00	1.24E+00	1.54E+00
2274	494311.06	3859951.99	3.93621	1.43E+00	1.61E+00	1.99E+00
2275	494361.06	3859951.99	3.83946	1.40E+00	1.57E+00	1.94E+00
2276	494411.06	3859951.99	3.76018	1.37E+00	1.54E+00	1.90E+00
2277	494461.06	3859951.99	3.70741	1.35E+00	1.51E+00	1.88E+00
2278	494511.06	3859951.99	3.70333	1.35E+00	1.51E+00	1.88E+00
2279	494561.06	3859951.99	3.82143	1.39E+00	1.56E+00	1.94E+00
2280	494611.06	3859951.99	3.64878	1.33E+00	1.49E+00	1.85E+00
2281	494661.06	3859951.99	3.6956	1.34E+00	1.51E+00	1.87E+00
2282	494711.06	3859951.99	3.5414	1.29E+00	1.45E+00	1.79E+00
2283	494761.06	3859951.99	3.53055	1.28E+00	1.44E+00	1.79E+00
2284	494811.06	3859951.99	3.5011	1.27E+00	1.43E+00	1.77E+00
2285	494861.06	3859951.99	3.51106	1.28E+00	1.43E+00	1.78E+00
2286	494911.06	3859951.99	3.42669	1.25E+00	1.40E+00	1.74E+00
2287	494961.06	3859951.99	3.35459	1.22E+00	1.37E+00	1.70E+00
2288	495011.06	3859951.99	3.29522	1.20E+00	1.35E+00	1.67E+00
2289	495061.06	3859951.99	3.25741	1.18E+00	1.33E+00	1.65E+00
2290	495111.06	3859951.99	3.176	1.15E+00	1.30E+00	1.61E+00
2291	495161.06	3859951.99	3.10006	1.13E+00	1.27E+00	1.57E+00
2292	495211.06	3859951.99	3.07392	1.12E+00	1.26E+00	1.56E+00
2293	495261.06	3859951.99	3.07894	1.12E+00	1.26E+00	1.56E+00
2294	495311.06	3859951.99	3.04118	1.11E+00	1.24E+00	1.54E+00
2295	495361.06	3859951.99	3.01652	1.10E+00	1.23E+00	1.53E+00
2296	495411.06	3859951.99	3.01052	1.09E+00	1.23E+00	1.52E+00
2297	495461.06	3859951.99	2.98462	1.09E+00	1.22E+00	1.51E+00
2298	495511.06	3859951.99	2.95778	1.08E+00	1.21E+00	1.50E+00
2299	495561.06	3859951.99	2.88966	1.05E+00	1.18E+00	1.46E+00
2300	495611.06	3859951.99	2.85399	1.04E+00	1.17E+00	1.45E+00
2301	495661.06	3859951.99	2.8943	1.05E+00	1.18E+00	1.47E+00
2302	494311.06	3860001.99	4.15706	1.51E+00	1.70E+00	2.11E+00
2303	494361.06	3860001.99	4.09951	1.49E+00	1.67E+00	2.08E+00
2304	494411.06	3860001.99	3.97283	1.44E+00	1.62E+00	2.01E+00
2305	494461.06	3860001.99	3.95689	1.44E+00	1.62E+00	2.00E+00
2306	494511.06	3860001.99	3.87781	1.41E+00	1.58E+00	1.96E+00
2307	494561.06	3860001.99	4.04984	1.47E+00	1.65E+00	2.05E+00
2308	494611.06	3860001.99	3.95906	1.44E+00	1.62E+00	2.01E+00
2309	494661.06	3860001.99	3.93302	1.43E+00	1.61E+00	1.99E+00
2310	494711.06	3860001.99	3.70321	1.35E+00	1.51E+00	1.88E+00
2311	494761.06	3860001.99	3.78066	1.37E+00	1.54E+00	1.91E+00
2312	494811.06	3860001.99	3.76848	1.37E+00	1.54E+00	1.91E+00
2313	494861.06	3860001.99	3.77033	1.37E+00	1.54E+00	1.91E+00
2314	494911.06	3860001.99	3.56932	1.30E+00	1.46E+00	1.81E+00
2315	494961.06	3860001.99	3.56753	1.30E+00	1.46E+00	1.81E+00
2316	495011.06	3860001.99	3.49542	1.27E+00	1.43E+00	1.77E+00
2317	495061.06	3860001.99	3.4954	1.27E+00	1.43E+00	1.77E+00
2318	495111.06	3860001.99	3.41782	1.24E+00	1.40E+00	1.73E+00
2319	495161.06	3860001.99	3.34105	1.21E+00	1.36E+00	1.69E+00
2320	495211.06	3860001.99	3.33519	1.21E+00	1.36E+00	1.69E+00
2321	495261.06	3860001.99	3.26848	1.19E+00	1.34E+00	1.66E+00
2322	495311.06	3860001.99	3.23153	1.17E+00	1.32E+00	1.64E+00
2323	495361.06	3860001.99	3.11033	1.13E+00	1.27E+00	1.58E+00
2324	495411.06	3860001.99	3.12394	1.14E+00	1.28E+00	1.58E+00
2325	495461.06	3860001.99	3.07193	1.12E+00	1.25E+00	1.56E+00
2326	495511.06	3860001.99	3.02432	1.10E+00	1.24E+00	1.53E+00
2327	495561.06	3860001.99	3.01266	1.10E+00	1.23E+00	1.53E+00

2328	495611.06	3860001.99	2.93521	1.07E+00	1.20E+00	1.49E+00
2329	495661.06	3860001.99	2.86362	1.04E+00	1.17E+00	1.45E+00
2330	494411.06	3860051.99	4.25947	1.55E+00	1.74E+00	2.16E+00
2331	494461.06	3860051.99	4.17562	1.52E+00	1.71E+00	2.12E+00
2332	494511.06	3860051.99	4.11118	1.49E+00	1.68E+00	2.08E+00
2333	494561.06	3860051.99	4.22864	1.54E+00	1.73E+00	2.14E+00
2334	494611.06	3860051.99	4.22832	1.54E+00	1.73E+00	2.14E+00
2335	494661.06	3860051.99	4.19549	1.53E+00	1.71E+00	2.13E+00
2336	494711.06	3860051.99	4.00124	1.45E+00	1.63E+00	2.03E+00
2337	494761.06	3860051.99	3.98408	1.45E+00	1.63E+00	2.02E+00
2338	494811.06	3860051.99	4.02719	1.46E+00	1.65E+00	2.04E+00
2339	494861.06	3860051.99	4.04431	1.47E+00	1.65E+00	2.05E+00
2340	494911.06	3860051.99	3.91052	1.42E+00	1.60E+00	1.98E+00
2341	494961.06	3860051.99	3.80661	1.38E+00	1.56E+00	1.93E+00
2342	495011.06	3860051.99	3.7278	1.36E+00	1.52E+00	1.89E+00
2343	495061.06	3860051.99	3.67487	1.34E+00	1.50E+00	1.86E+00
2344	495111.06	3860051.99	3.58273	1.30E+00	1.46E+00	1.81E+00
2345	495161.06	3860051.99	3.53348	1.28E+00	1.44E+00	1.79E+00
2346	495211.06	3860051.99	3.46654	1.26E+00	1.42E+00	1.76E+00
2347	495261.06	3860051.99	3.4388	1.25E+00	1.40E+00	1.74E+00
2348	495311.06	3860051.99	3.42352	1.24E+00	1.40E+00	1.73E+00
2349	495361.06	3860051.99	3.38871	1.23E+00	1.38E+00	1.72E+00
2350	495411.06	3860051.99	3.34431	1.22E+00	1.37E+00	1.69E+00
2351	495461.06	3860051.99	3.2869	1.19E+00	1.34E+00	1.66E+00
2352	495511.06	3860051.99	3.26176	1.19E+00	1.33E+00	1.65E+00
2353	495561.06	3860051.99	3.21749	1.17E+00	1.31E+00	1.63E+00
2354	495611.06	3860051.99	3.15823	1.15E+00	1.29E+00	1.60E+00
2355	495661.06	3860051.99	3.07041	1.12E+00	1.25E+00	1.56E+00
2356	494411.06	3860101.99	4.50324	1.64E+00	1.84E+00	2.28E+00
2357	494461.06	3860101.99	4.60744	1.68E+00	1.88E+00	2.33E+00
2358	494511.06	3860101.99	4.43736	1.61E+00	1.81E+00	2.25E+00
2359	494561.06	3860101.99	4.46343	1.62E+00	1.82E+00	2.26E+00
2360	494611.06	3860101.99	4.57016	1.66E+00	1.87E+00	2.31E+00
2361	494661.06	3860101.99	4.56106	1.66E+00	1.86E+00	2.31E+00
2362	494711.06	3860101.99	4.4043	1.60E+00	1.80E+00	2.23E+00
2363	494761.06	3860101.99	4.37885	1.59E+00	1.79E+00	2.22E+00
2364	494811.06	3860101.99	4.36247	1.59E+00	1.78E+00	2.21E+00
2365	494861.06	3860101.99	4.49563	1.63E+00	1.84E+00	2.28E+00
2366	494911.06	3860101.99	4.17782	1.52E+00	1.71E+00	2.12E+00
2367	494961.06	3860101.99	4.13259	1.50E+00	1.69E+00	2.09E+00
2368	495011.06	3860101.99	4.01945	1.46E+00	1.64E+00	2.04E+00
2369	495061.06	3860101.99	3.92001	1.43E+00	1.60E+00	1.99E+00
2370	495111.06	3860101.99	3.77471	1.37E+00	1.54E+00	1.91E+00
2371	495161.06	3860101.99	3.74657	1.36E+00	1.53E+00	1.90E+00
2372	495211.06	3860101.99	3.67776	1.34E+00	1.50E+00	1.86E+00
2373	495261.06	3860101.99	3.60629	1.31E+00	1.47E+00	1.83E+00
2374	495311.06	3860101.99	3.55632	1.29E+00	1.45E+00	1.80E+00
2375	495361.06	3860101.99	3.54073	1.29E+00	1.45E+00	1.79E+00
2376	495411.06	3860101.99	3.48001	1.27E+00	1.42E+00	1.76E+00
2377	495461.06	3860101.99	3.39525	1.23E+00	1.39E+00	1.72E+00
2378	495511.06	3860101.99	3.38672	1.23E+00	1.38E+00	1.72E+00
2379	495561.06	3860101.99	3.37511	1.23E+00	1.38E+00	1.71E+00
2380	495611.06	3860101.99	3.2909	1.20E+00	1.34E+00	1.67E+00
2381	495661.06	3860101.99	3.25244	1.18E+00	1.33E+00	1.65E+00
2382	494861.06	3860151.99	4.84352	1.76E+00	1.98E+00	2.45E+00
2383	494911.06	3860151.99	4.55965	1.66E+00	1.86E+00	2.31E+00
2384	494961.06	3860151.99	4.46929	1.62E+00	1.83E+00	2.26E+00
2385	495011.06	3860151.99	4.36196	1.59E+00	1.78E+00	2.21E+00
2386	495061.06	3860151.99	4.25566	1.55E+00	1.74E+00	2.16E+00
2387	495111.06	3860151.99	4.18223	1.52E+00	1.71E+00	2.12E+00
2388	495161.06	3860151.99	4.12291	1.50E+00	1.68E+00	2.09E+00
2389	495211.06	3860151.99	4.04222	1.47E+00	1.65E+00	2.05E+00
2390	495261.06	3860151.99	3.99166	1.45E+00	1.63E+00	2.02E+00

2391	495311.06	3860151.99	3.9365	1.43E+00	1.61E+00	1.99E+00
2392	495361.06	3860151.99	3.89073	1.41E+00	1.59E+00	1.97E+00
2393	495411.06	3860151.99	3.82325	1.39E+00	1.56E+00	1.94E+00
2394	495461.06	3860151.99	3.76181	1.37E+00	1.54E+00	1.91E+00
2395	495511.06	3860151.99	3.67354	1.34E+00	1.50E+00	1.86E+00
2396	495561.06	3860151.99	3.63118	1.32E+00	1.48E+00	1.84E+00
2397	495611.06	3860151.99	3.54901	1.29E+00	1.45E+00	1.80E+00
2398	495661.06	3860151.99	3.4544	1.26E+00	1.41E+00	1.75E+00
2399	495718.25	3859442.96	4.05761	1.48E+00	1.66E+00	2.06E+00
2400	495818.25	3859442.96	3.98153	1.45E+00	1.63E+00	2.02E+00
2401	495918.25	3859442.96	3.86068	1.40E+00	1.58E+00	1.96E+00
2402	496018.25	3859442.96	3.91572	1.42E+00	1.60E+00	1.98E+00
2403	496118.25	3859442.96	3.96987	1.44E+00	1.62E+00	2.01E+00
2404	496218.25	3859442.96	3.98062	1.45E+00	1.63E+00	2.02E+00
2405	496318.25	3859442.96	3.97464	1.45E+00	1.62E+00	2.01E+00
2406	496418.25	3859442.96	3.9364	1.43E+00	1.61E+00	1.99E+00
2407	495718.25	3859542.96	3.95854	1.44E+00	1.62E+00	2.01E+00
2408	495818.25	3859542.96	3.95485	1.44E+00	1.62E+00	2.00E+00
2409	495918.25	3859542.96	3.92606	1.43E+00	1.60E+00	1.99E+00
2410	496018.25	3859542.96	3.85275	1.40E+00	1.57E+00	1.95E+00
2411	496118.25	3859542.96	3.72237	1.35E+00	1.52E+00	1.89E+00
2412	496218.25	3859542.96	3.77662	1.37E+00	1.54E+00	1.91E+00
2413	496318.25	3859542.96	3.80524	1.38E+00	1.55E+00	1.93E+00
2414	496418.25	3859542.96	3.84544	1.40E+00	1.57E+00	1.95E+00
2415	495718.25	3859642.96	3.6455	1.33E+00	1.49E+00	1.85E+00
2416	495818.25	3859642.96	3.72692	1.35E+00	1.52E+00	1.89E+00
2417	495918.25	3859642.96	3.73843	1.36E+00	1.53E+00	1.89E+00
2418	496018.25	3859642.96	3.74498	1.36E+00	1.53E+00	1.90E+00
2419	496118.25	3859642.96	3.59598	1.31E+00	1.47E+00	1.82E+00
2420	496218.25	3859642.96	3.46443	1.26E+00	1.42E+00	1.75E+00
2421	496318.25	3859642.96	3.45363	1.26E+00	1.41E+00	1.75E+00
2422	496418.25	3859642.96	3.71399	1.35E+00	1.52E+00	1.88E+00
2423	495718.25	3859742.96	3.32351	1.21E+00	1.36E+00	1.68E+00
2424	495818.25	3859742.96	3.43114	1.25E+00	1.40E+00	1.74E+00
2425	495918.25	3859742.96	3.50096	1.27E+00	1.43E+00	1.77E+00
2426	496018.25	3859742.96	3.54523	1.29E+00	1.45E+00	1.80E+00
2427	496118.25	3859742.96	3.47871	1.26E+00	1.42E+00	1.76E+00
2428	496218.25	3859742.96	3.35304	1.22E+00	1.37E+00	1.70E+00
2429	496318.25	3859742.96	3.44375	1.25E+00	1.41E+00	1.74E+00
2430	496418.25	3859742.96	3.46349	1.26E+00	1.41E+00	1.75E+00
2431	495718.25	3859842.96	3.18143	1.16E+00	1.30E+00	1.61E+00
2432	495818.25	3859842.96	3.16315	1.15E+00	1.29E+00	1.60E+00
2433	495918.25	3859842.96	3.1604	1.15E+00	1.29E+00	1.60E+00
2434	496018.25	3859842.96	3.20577	1.17E+00	1.31E+00	1.62E+00
2435	496118.25	3859842.96	3.09414	1.12E+00	1.26E+00	1.57E+00
2436	496218.25	3859842.96	3.27809	1.19E+00	1.34E+00	1.66E+00
2437	496318.25	3859842.96	3.56411	1.30E+00	1.46E+00	1.81E+00
2438	496418.25	3859842.96	3.75267	1.36E+00	1.53E+00	1.90E+00
2439	495718.25	3859942.96	2.92059	1.06E+00	1.19E+00	1.48E+00
2440	495818.25	3859942.96	2.96885	1.08E+00	1.21E+00	1.50E+00
2441	495918.25	3859942.96	2.94547	1.07E+00	1.20E+00	1.49E+00
2442	496018.25	3859942.96	2.78834	1.01E+00	1.14E+00	1.41E+00
2443	496118.25	3859942.96	2.9424	1.07E+00	1.20E+00	1.49E+00
2444	496218.25	3859942.96	3.20554	1.17E+00	1.31E+00	1.62E+00
2445	496318.25	3859942.96	3.42454	1.25E+00	1.40E+00	1.73E+00
2446	496418.25	3859942.96	3.72045	1.35E+00	1.52E+00	1.88E+00
2447	496856.82	3858864.83	3.00952	1.09E+00	1.23E+00	1.52E+00
2448	496956.82	3858864.83	2.93262	1.07E+00	1.20E+00	1.49E+00
2449	497056.82	3858864.83	2.82423	1.03E+00	1.15E+00	1.43E+00
2450	497156.82	3858864.83	2.74656	9.99E-01	1.12E+00	1.39E+00
2451	497256.82	3858864.83	2.84283	1.03E+00	1.16E+00	1.44E+00
2452	496856.82	3858964.83	3.14098	1.14E+00	1.28E+00	1.59E+00
2453	496956.82	3858964.83	3.11655	1.13E+00	1.27E+00	1.58E+00

2454	497056.82	3858964.83	3.07527	1.12E+00	1.26E+00	1.56E+00
2455	497156.82	3858964.83	2.99576	1.09E+00	1.22E+00	1.52E+00
2456	497256.82	3858964.83	2.97443	1.08E+00	1.22E+00	1.51E+00
2457	496856.82	3859064.83	3.15834	1.15E+00	1.29E+00	1.60E+00
2458	496956.82	3859064.83	3.11513	1.13E+00	1.27E+00	1.58E+00
2459	497056.82	3859064.83	3.15651	1.15E+00	1.29E+00	1.60E+00
2460	497156.82	3859064.83	3.16971	1.15E+00	1.29E+00	1.61E+00
2461	497256.82	3859064.83	3.23921	1.18E+00	1.32E+00	1.64E+00
2462	496856.82	3859164.83	3.46429	1.26E+00	1.42E+00	1.75E+00
2463	496956.82	3859164.83	3.30995	1.20E+00	1.35E+00	1.68E+00
2464	497056.82	3859164.83	3.15702	1.15E+00	1.29E+00	1.60E+00
2465	497156.82	3859164.83	3.17748	1.16E+00	1.30E+00	1.61E+00
2466	497256.82	3859164.83	3.31582	1.21E+00	1.35E+00	1.68E+00
2467	496856.82	3859264.83	3.62374	1.32E+00	1.48E+00	1.84E+00
2468	496956.82	3859264.83	3.5658	1.30E+00	1.46E+00	1.81E+00
2469	497056.82	3859264.83	3.49388	1.27E+00	1.43E+00	1.77E+00
2470	497156.82	3859264.83	3.38335	1.23E+00	1.38E+00	1.71E+00
2471	497256.82	3859264.83	3.25958	1.19E+00	1.33E+00	1.65E+00
2472	497088.92	3858620.93	2.61272	9.50E-01	1.07E+00	1.32E+00
2473	497138.92	3858620.93	2.62275	9.54E-01	1.07E+00	1.33E+00
2474	497188.92	3858620.93	2.60304	9.46E-01	1.06E+00	1.32E+00
2475	497238.92	3858620.93	2.58555	9.40E-01	1.06E+00	1.31E+00
2476	497088.92	3858670.93	2.64072	9.60E-01	1.08E+00	1.34E+00
2477	497138.92	3858670.93	2.6865	9.77E-01	1.10E+00	1.36E+00
2478	497188.92	3858670.93	2.66969	9.71E-01	1.09E+00	1.35E+00
2479	497238.92	3858670.93	2.67817	9.74E-01	1.09E+00	1.36E+00
2480	497088.92	3858720.93	2.72736	9.92E-01	1.11E+00	1.38E+00
2481	497138.92	3858720.93	2.66254	9.68E-01	1.09E+00	1.35E+00
2482	497188.92	3858720.93	2.67286	9.72E-01	1.09E+00	1.35E+00
2483	497238.92	3858720.93	2.75432	1.00E+00	1.13E+00	1.40E+00
2484	497088.92	3858770.93	2.71588	9.87E-01	1.11E+00	1.38E+00
2485	497138.92	3858770.93	2.72351	9.90E-01	1.11E+00	1.38E+00
2486	497188.92	3858770.93	2.7329	9.94E-01	1.12E+00	1.38E+00
2487	497238.92	3858770.93	2.80221	1.02E+00	1.14E+00	1.42E+00
2488	497396.65	3858622.63	2.71936	9.89E-01	1.11E+00	1.38E+00
2489	497496.65	3858622.63	2.74056	9.96E-01	1.12E+00	1.39E+00
2490	497596.65	3858622.63	2.77387	1.01E+00	1.13E+00	1.40E+00
2491	497696.65	3858622.63	2.71465	9.87E-01	1.11E+00	1.38E+00
2492	497796.65	3858622.63	2.87712	1.05E+00	1.18E+00	1.46E+00
2493	497896.65	3858622.63	2.99995	1.09E+00	1.23E+00	1.52E+00
2494	497396.65	3858722.63	2.9729	1.08E+00	1.21E+00	1.51E+00
2495	497496.65	3858722.63	3.02944	1.10E+00	1.24E+00	1.53E+00
2496	497596.65	3858722.63	3.0852	1.12E+00	1.26E+00	1.56E+00
2497	497696.65	3858722.63	3.05383	1.11E+00	1.25E+00	1.55E+00
2498	497796.65	3858722.63	2.97308	1.08E+00	1.21E+00	1.51E+00
2499	497896.65	3858722.63	2.93999	1.07E+00	1.20E+00	1.49E+00
2500	497396.65	3858822.63	3.06692	1.11E+00	1.25E+00	1.55E+00
2501	497496.65	3858822.63	3.15548	1.15E+00	1.29E+00	1.60E+00
2502	497596.65	3858822.63	3.25074	1.18E+00	1.33E+00	1.65E+00
2503	497696.65	3858822.63	3.25588	1.18E+00	1.33E+00	1.65E+00
2504	497796.65	3858822.63	3.20374	1.16E+00	1.31E+00	1.62E+00
2505	497896.65	3858822.63	3.15311	1.15E+00	1.29E+00	1.60E+00
2506	497396.65	3858922.63	3.04751	1.11E+00	1.24E+00	1.54E+00
2507	497496.65	3858922.63	3.2175	1.17E+00	1.31E+00	1.63E+00
2508	497596.65	3858922.63	3.26271	1.19E+00	1.33E+00	1.65E+00
2509	497696.65	3858922.63	3.33416	1.21E+00	1.36E+00	1.69E+00
2510	497796.65	3858922.63	3.34674	1.22E+00	1.37E+00	1.70E+00
2511	497896.65	3858922.63	3.28519	1.19E+00	1.34E+00	1.66E+00
2512	497364.44	3858201.52	1.91463	6.96E-01	7.82E-01	9.70E-01
2513	497414.44	3858201.52	1.95493	7.11E-01	7.99E-01	9.90E-01
2514	497464.44	3858201.52	1.98644	7.22E-01	8.11E-01	1.01E+00
2515	497514.44	3858201.52	1.98948	7.23E-01	8.13E-01	1.01E+00
2516	497564.44	3858201.52	1.95153	7.09E-01	7.97E-01	9.88E-01

2517	497614.44	3858201.52	1.9347	7.03E-01	7.90E-01	9.80E-01
2518	497364.44	3858251.52	2.06857	7.52E-01	8.45E-01	1.05E+00
2519	497414.44	3858251.52	2.13879	7.78E-01	8.74E-01	1.08E+00
2520	497464.44	3858251.52	2.09965	7.63E-01	8.58E-01	1.06E+00
2521	497514.44	3858251.52	2.04681	7.44E-01	8.36E-01	1.04E+00
2522	497564.44	3858251.52	2.02224	7.35E-01	8.26E-01	1.02E+00
2523	497614.44	3858251.52	1.99376	7.25E-01	8.14E-01	1.01E+00
2524	497364.44	3858301.52	2.13522	7.76E-01	8.72E-01	1.08E+00
2525	497414.44	3858301.52	2.1916	7.97E-01	8.95E-01	1.11E+00
2526	497464.44	3858301.52	2.15079	7.82E-01	8.79E-01	1.09E+00
2527	497514.44	3858301.52	2.12264	7.72E-01	8.67E-01	1.08E+00
2528	497564.44	3858301.52	2.07151	7.53E-01	8.46E-01	1.05E+00
2529	497614.44	3858301.52	2.05024	7.45E-01	8.38E-01	1.04E+00
2530	497364.44	3858351.52	2.19015	7.96E-01	8.95E-01	1.11E+00
2531	497414.44	3858351.52	2.18452	7.94E-01	8.92E-01	1.11E+00
2532	497464.44	3858351.52	2.1934	7.97E-01	8.96E-01	1.11E+00
2533	497514.44	3858351.52	2.1828	7.94E-01	8.92E-01	1.11E+00
2534	497564.44	3858351.52	2.12868	7.74E-01	8.70E-01	1.08E+00
2535	497614.44	3858351.52	2.12019	7.71E-01	8.66E-01	1.07E+00
2536	497364.44	3858401.52	2.13442	7.76E-01	8.72E-01	1.08E+00
2537	497414.44	3858401.52	2.17448	7.91E-01	8.88E-01	1.10E+00
2538	497464.44	3858401.52	2.17167	7.90E-01	8.87E-01	1.10E+00
2539	497514.44	3858401.52	2.1804	7.93E-01	8.91E-01	1.10E+00
2540	497564.44	3858401.52	2.25077	8.18E-01	9.19E-01	1.14E+00
2541	497614.44	3858401.52	2.30518	8.38E-01	9.42E-01	1.17E+00
2542	493478.11	3860497.94	7.1451	2.60E+00	2.92E+00	3.62E+00
2543	493528.11	3860497.94	6.9168	2.51E+00	2.83E+00	3.50E+00
2544	493478.11	3860547.94	7.5316	2.74E+00	3.08E+00	3.81E+00
2545	493528.11	3860547.94	7.33651	2.67E+00	3.00E+00	3.72E+00
2546	493478.11	3860597.94	7.78457	2.83E+00	3.18E+00	3.94E+00
2547	493528.11	3860597.94	7.6398	2.78E+00	3.12E+00	3.87E+00
2548	493561.88	3860524.64	7.01417	2.55E+00	2.87E+00	3.55E+00
2549	493591.88	3860524.64	6.87196	2.50E+00	2.81E+00	3.48E+00
2550	493561.88	3860554.64	7.25635	2.64E+00	2.96E+00	3.68E+00
2551	493591.88	3860554.64	7.10919	2.58E+00	2.90E+00	3.60E+00
2552	492880.5	3860293.11	8.14352	2.96E+00	3.33E+00	4.12E+00
2553	492930.5	3860293.11	7.86002	2.86E+00	3.21E+00	3.98E+00
2554	492980.5	3860293.11	7.6591	2.78E+00	3.13E+00	3.88E+00
2555	493030.5	3860293.11	8.6255	3.14E+00	3.52E+00	4.37E+00
2556	493080.5	3860293.11	8.86585	3.22E+00	3.62E+00	4.49E+00
2557	493130.5	3860293.11	8.44301	3.07E+00	3.45E+00	4.28E+00
2558	493180.5	3860293.11	7.67765	2.79E+00	3.14E+00	3.89E+00
2559	493230.5	3860293.11	7.38701	2.69E+00	3.02E+00	3.74E+00
2560	493280.5	3860293.11	7.5727	2.75E+00	3.09E+00	3.84E+00
2561	493330.5	3860293.11	7.48073	2.72E+00	3.06E+00	3.79E+00
2562	493380.5	3860293.11	7.3465	2.67E+00	3.00E+00	3.72E+00
2563	492880.5	3860343.11	8.99528	3.27E+00	3.67E+00	4.56E+00
2564	492930.5	3860343.11	8.61397	3.13E+00	3.52E+00	4.36E+00
2565	492980.5	3860343.11	8.211	2.99E+00	3.35E+00	4.16E+00
2566	493030.5	3860343.11	8.03554	2.92E+00	3.28E+00	4.07E+00
2567	493080.5	3860343.11	9.20518	3.35E+00	3.76E+00	4.66E+00
2568	493130.5	3860343.11	8.76443	3.19E+00	3.58E+00	4.44E+00
2569	493180.5	3860343.11	7.50277	2.73E+00	3.06E+00	3.80E+00
2570	493230.5	3860343.11	7.23714	2.63E+00	2.96E+00	3.67E+00
2571	493280.5	3860343.11	7.74545	2.82E+00	3.16E+00	3.92E+00
2572	493330.5	3860343.11	7.8892	2.87E+00	3.22E+00	4.00E+00
2573	493380.5	3860343.11	7.68244	2.79E+00	3.14E+00	3.89E+00
2574	492880.5	3860393.11	9.53519	3.47E+00	3.90E+00	4.83E+00
2575	492930.5	3860393.11	9.19908	3.34E+00	3.76E+00	4.66E+00
2576	492980.5	3860393.11	8.83292	3.21E+00	3.61E+00	4.47E+00
2577	493030.5	3860393.11	8.48119	3.08E+00	3.46E+00	4.30E+00
2578	493080.5	3860393.11	9.06497	3.30E+00	3.70E+00	4.59E+00
2579	493130.5	3860393.11	8.17092	2.97E+00	3.34E+00	4.14E+00

2580	493180.5	3860393.11	7.55446	2.75E+00	3.09E+00	3.83E+00
2581	493230.5	3860393.11	7.26783	2.64E+00	2.97E+00	3.68E+00
2582	493280.5	3860393.11	7.60388	2.76E+00	3.11E+00	3.85E+00
2583	493330.5	3860393.11	7.88891	2.87E+00	3.22E+00	4.00E+00
2584	493380.5	3860393.11	7.84552	2.85E+00	3.20E+00	3.97E+00
2585	492880.5	3860443.11	9.8748	3.59E+00	4.03E+00	5.00E+00
2586	492930.5	3860443.11	9.61416	3.50E+00	3.93E+00	4.87E+00
2587	492980.5	3860443.11	9.25903	3.37E+00	3.78E+00	4.69E+00
2588	493030.5	3860443.11	8.96057	3.26E+00	3.66E+00	4.54E+00
2589	493080.5	3860443.11	8.69025	3.16E+00	3.55E+00	4.40E+00
2590	493130.5	3860443.11	8.41881	3.06E+00	3.44E+00	4.26E+00
2591	493180.5	3860443.11	8.18071	2.97E+00	3.34E+00	4.14E+00
2592	493230.5	3860443.11	7.85233	2.85E+00	3.21E+00	3.98E+00
2593	493280.5	3860443.11	7.58817	2.76E+00	3.10E+00	3.84E+00
2594	493330.5	3860443.11	7.63503	2.78E+00	3.12E+00	3.87E+00
2595	493380.5	3860443.11	7.33855	2.67E+00	3.00E+00	3.72E+00
2596	493180.5	3860493.11	8.51772	3.10E+00	3.48E+00	4.31E+00
2597	493230.5	3860493.11	8.27221	3.01E+00	3.38E+00	4.19E+00
2598	493280.5	3860493.11	8.0388	2.92E+00	3.28E+00	4.07E+00
2599	493330.5	3860493.11	7.7821	2.83E+00	3.18E+00	3.94E+00
2600	493380.5	3860493.11	7.53551	2.74E+00	3.08E+00	3.82E+00
2601	493330.5	3860543.11	8.08754	2.94E+00	3.30E+00	4.10E+00
2602	493380.5	3860543.11	7.88157	2.87E+00	3.22E+00	3.99E+00
2603	494135.94	3860876.85	6.31694	2.30E+00	2.58E+00	3.20E+00
2604	494185.94	3860876.85	6.15681	2.24E+00	2.52E+00	3.12E+00
2605	494135.94	3860926.85	6.40294	2.33E+00	2.62E+00	3.24E+00
2606	494185.94	3860926.85	6.28694	2.29E+00	2.57E+00	3.18E+00
2607	494135.94	3860976.85	6.34596	2.31E+00	2.59E+00	3.21E+00
2608	494185.94	3860976.85	6.27566	2.28E+00	2.56E+00	3.18E+00
2609	494135.94	3861026.85	6.50165	2.36E+00	2.66E+00	3.29E+00
2610	494185.94	3861026.85	6.33656	2.30E+00	2.59E+00	3.21E+00
2611	494135.94	3861076.85	6.67596	2.43E+00	2.73E+00	3.38E+00
2612	494185.94	3861076.85	6.4702	2.35E+00	2.64E+00	3.28E+00
2613	490360.04	3858710.04	6.50052	2.36E+00	2.66E+00	3.29E+00
2614	490410.04	3858710.04	6.01088	2.19E+00	2.46E+00	3.04E+00
2615	490460.04	3858710.04	5.15189	1.87E+00	2.10E+00	2.61E+00
2616	490510.04	3858710.04	4.42996	1.61E+00	1.81E+00	2.24E+00
2617	490560.04	3858710.04	4.11111	1.49E+00	1.68E+00	2.08E+00
2618	490610.04	3858710.04	4.05226	1.47E+00	1.66E+00	2.05E+00
2619	490660.04	3858710.04	4.03587	1.47E+00	1.65E+00	2.04E+00
2620	490710.04	3858710.04	3.74794	1.36E+00	1.53E+00	1.90E+00
2621	490760.04	3858710.04	3.60131	1.31E+00	1.47E+00	1.82E+00
2622	490810.04	3858710.04	3.4575	1.26E+00	1.41E+00	1.75E+00
2623	490860.04	3858710.04	3.25478	1.18E+00	1.33E+00	1.65E+00
2624	490360.04	3858760.04	6.64922	2.42E+00	2.72E+00	3.37E+00
2625	490410.04	3858760.04	6.20677	2.26E+00	2.54E+00	3.14E+00
2626	490460.04	3858760.04	5.48361	1.99E+00	2.24E+00	2.78E+00
2627	490510.04	3858760.04	4.64401	1.69E+00	1.90E+00	2.35E+00
2628	490560.04	3858760.04	4.14514	1.51E+00	1.69E+00	2.10E+00
2629	490610.04	3858760.04	3.97495	1.45E+00	1.62E+00	2.01E+00
2630	490660.04	3858760.04	3.82636	1.39E+00	1.56E+00	1.94E+00
2631	490710.04	3858760.04	3.67296	1.34E+00	1.50E+00	1.86E+00
2632	490760.04	3858760.04	3.47356	1.26E+00	1.42E+00	1.76E+00
2633	490810.04	3858760.04	3.29024	1.20E+00	1.34E+00	1.67E+00
2634	490860.04	3858760.04	3.14029	1.14E+00	1.28E+00	1.59E+00
2635	490360.04	3858810.04	6.61399	2.40E+00	2.70E+00	3.35E+00
2636	490410.04	3858810.04	6.22202	2.26E+00	2.54E+00	3.15E+00
2637	490460.04	3858810.04	5.55044	2.02E+00	2.27E+00	2.81E+00
2638	490510.04	3858810.04	4.90525	1.78E+00	2.00E+00	2.48E+00
2639	490560.04	3858810.04	4.2676	1.55E+00	1.74E+00	2.16E+00
2640	490610.04	3858810.04	4.01647	1.46E+00	1.64E+00	2.03E+00
2641	490660.04	3858810.04	3.82147	1.39E+00	1.56E+00	1.94E+00
2642	490710.04	3858810.04	3.59602	1.31E+00	1.47E+00	1.82E+00

2643	490760.04	3858810.04	3.29363	1.20E+00	1.35E+00	1.67E+00
2644	490810.04	3858810.04	3.20481	1.17E+00	1.31E+00	1.62E+00
2645	490860.04	3858810.04	3.02636	1.10E+00	1.24E+00	1.53E+00
2646	490360.04	3858860.04	6.41998	2.33E+00	2.62E+00	3.25E+00
2647	490410.04	3858860.04	6.30091	2.29E+00	2.57E+00	3.19E+00
2648	490460.04	3858860.04	5.61515	2.04E+00	2.29E+00	2.84E+00
2649	490510.04	3858860.04	5.14793	1.87E+00	2.10E+00	2.61E+00
2650	490560.04	3858860.04	4.33064	1.57E+00	1.77E+00	2.19E+00
2651	490610.04	3858860.04	3.98982	1.45E+00	1.63E+00	2.02E+00
2652	490660.04	3858860.04	3.81826	1.39E+00	1.56E+00	1.93E+00
2653	490710.04	3858860.04	3.70097	1.35E+00	1.51E+00	1.87E+00
2654	490760.04	3858860.04	3.43789	1.25E+00	1.40E+00	1.74E+00
2655	490810.04	3858860.04	3.19834	1.16E+00	1.31E+00	1.62E+00
2656	490860.04	3858860.04	3.04302	1.11E+00	1.24E+00	1.54E+00
2657	490360.04	3858910.04	7.12475	2.59E+00	2.91E+00	3.61E+00
2658	490410.04	3858910.04	6.39243	2.32E+00	2.61E+00	3.24E+00
2659	490460.04	3858910.04	5.9139	2.15E+00	2.42E+00	3.00E+00
2660	490510.04	3858910.04	5.13971	1.87E+00	2.10E+00	2.60E+00
2661	490560.04	3858910.04	4.43123	1.61E+00	1.81E+00	2.24E+00
2662	490610.04	3858910.04	4.14927	1.51E+00	1.70E+00	2.10E+00
2663	490660.04	3858910.04	3.93917	1.43E+00	1.61E+00	2.00E+00
2664	490710.04	3858910.04	3.68	1.34E+00	1.50E+00	1.86E+00
2665	490760.04	3858910.04	3.36966	1.23E+00	1.38E+00	1.71E+00
2666	490810.04	3858910.04	3.18954	1.16E+00	1.30E+00	1.62E+00
2667	490860.04	3858910.04	3.07057	1.12E+00	1.25E+00	1.56E+00
2668	490360.04	3858960.04	7.31699	2.66E+00	2.99E+00	3.71E+00
2669	490410.04	3858960.04	6.38164	2.32E+00	2.61E+00	3.23E+00
2670	490460.04	3858960.04	5.66728	2.06E+00	2.32E+00	2.87E+00
2671	490510.04	3858960.04	4.96462	1.80E+00	2.03E+00	2.51E+00
2672	490560.04	3858960.04	4.52507	1.65E+00	1.85E+00	2.29E+00
2673	490610.04	3858960.04	4.18624	1.52E+00	1.71E+00	2.12E+00
2674	490660.04	3858960.04	4.06236	1.48E+00	1.66E+00	2.06E+00
2675	490710.04	3858960.04	3.733	1.36E+00	1.52E+00	1.89E+00
2676	490760.04	3858960.04	3.45064	1.25E+00	1.41E+00	1.75E+00
2677	490810.04	3858960.04	3.1659	1.15E+00	1.29E+00	1.60E+00
2678	490860.04	3858960.04	3.16242	1.15E+00	1.29E+00	1.60E+00
2679	490360.04	3859010.04	7.34681	2.67E+00	3.00E+00	3.72E+00
2680	490410.04	3859010.04	6.496	2.36E+00	2.65E+00	3.29E+00
2681	490460.04	3859010.04	5.32307	1.94E+00	2.17E+00	2.70E+00
2682	490510.04	3859010.04	4.75209	1.73E+00	1.94E+00	2.41E+00
2683	490560.04	3859010.04	4.5727	1.66E+00	1.87E+00	2.32E+00
2684	490610.04	3859010.04	4.20218	1.53E+00	1.72E+00	2.13E+00
2685	490660.04	3859010.04	4.08159	1.48E+00	1.67E+00	2.07E+00
2686	490710.04	3859010.04	3.6918	1.34E+00	1.51E+00	1.87E+00
2687	490760.04	3859010.04	3.35114	1.22E+00	1.37E+00	1.70E+00
2688	490810.04	3859010.04	3.10358	1.13E+00	1.27E+00	1.57E+00
2689	490860.04	3859010.04	3.19263	1.16E+00	1.30E+00	1.62E+00
2690	490360.04	3859060.04	7.93735	2.89E+00	3.24E+00	4.02E+00
2691	490410.04	3859060.04	6.10413	2.22E+00	2.49E+00	3.09E+00
2692	490460.04	3859060.04	5.19703	1.89E+00	2.12E+00	2.63E+00
2693	490510.04	3859060.04	4.85349	1.76E+00	1.98E+00	2.46E+00
2694	490560.04	3859060.04	4.42149	1.61E+00	1.81E+00	2.24E+00
2695	490610.04	3859060.04	4.17251	1.52E+00	1.70E+00	2.11E+00
2696	490660.04	3859060.04	3.94938	1.44E+00	1.61E+00	2.00E+00
2697	490710.04	3859060.04	3.50884	1.28E+00	1.43E+00	1.78E+00
2698	490760.04	3859060.04	3.13742	1.14E+00	1.28E+00	1.59E+00
2699	490810.04	3859060.04	3.16834	1.15E+00	1.29E+00	1.60E+00
2700	490860.04	3859060.04	3.22544	1.17E+00	1.32E+00	1.63E+00
2701	490360.04	3859110.04	9.26769	3.37E+00	3.79E+00	4.69E+00
2702	490410.04	3859110.04	6.87579	2.50E+00	2.81E+00	3.48E+00
2703	490460.04	3859110.04	5.49069	2.00E+00	2.24E+00	2.78E+00
2704	490510.04	3859110.04	4.76298	1.73E+00	1.95E+00	2.41E+00
2705	490560.04	3859110.04	4.35241	1.58E+00	1.78E+00	2.20E+00

2706	490610.04	3859110.04	3.90055	1.42E+00	1.59E+00	1.98E+00
2707	490660.04	3859110.04	3.39198	1.23E+00	1.39E+00	1.72E+00
2708	490710.04	3859110.04	3.14671	1.14E+00	1.29E+00	1.59E+00
2709	490760.04	3859110.04	3.21213	1.17E+00	1.31E+00	1.63E+00
2710	490810.04	3859110.04	3.30287	1.20E+00	1.35E+00	1.67E+00
2711	490860.04	3859110.04	3.37518	1.23E+00	1.38E+00	1.71E+00
2712	490360.04	3859160.04	10.59724	3.85E+00	4.33E+00	5.37E+00
2713	490410.04	3859160.04	8.4218	3.06E+00	3.44E+00	4.27E+00
2714	490460.04	3859160.04	6.13217	2.23E+00	2.51E+00	3.11E+00
2715	490510.04	3859160.04	5.27135	1.92E+00	2.15E+00	2.67E+00
2716	490560.04	3859160.04	4.61454	1.68E+00	1.89E+00	2.34E+00
2717	490610.04	3859160.04	4.19661	1.53E+00	1.71E+00	2.13E+00
2718	490660.04	3859160.04	3.33286	1.21E+00	1.36E+00	1.69E+00
2719	490710.04	3859160.04	3.19499	1.16E+00	1.31E+00	1.62E+00
2720	490760.04	3859160.04	3.33277	1.21E+00	1.36E+00	1.69E+00
2721	490810.04	3859160.04	3.39791	1.24E+00	1.39E+00	1.72E+00
2722	490860.04	3859160.04	3.50791	1.28E+00	1.43E+00	1.78E+00
2723	490360.04	3859210.04	11.54256	4.20E+00	4.72E+00	5.85E+00
2724	490410.04	3859210.04	10.4109	3.78E+00	4.25E+00	5.27E+00
2725	490460.04	3859210.04	7.28836	2.65E+00	2.98E+00	3.69E+00
2726	490510.04	3859210.04	5.78405	2.10E+00	2.36E+00	2.93E+00
2727	490560.04	3859210.04	5.32921	1.94E+00	2.18E+00	2.70E+00
2728	490610.04	3859210.04	4.70552	1.71E+00	1.92E+00	2.38E+00
2729	490660.04	3859210.04	3.7512	1.36E+00	1.53E+00	1.90E+00
2730	490710.04	3859210.04	3.21276	1.17E+00	1.31E+00	1.63E+00
2731	490760.04	3859210.04	3.28724	1.20E+00	1.34E+00	1.67E+00
2732	490810.04	3859210.04	3.31664	1.21E+00	1.35E+00	1.68E+00
2733	490860.04	3859210.04	3.34142	1.21E+00	1.37E+00	1.69E+00
2734	490360.04	3859260.04	11.76741	4.28E+00	4.81E+00	5.96E+00
2735	490410.04	3859260.04	10.95128	3.98E+00	4.47E+00	5.55E+00
2736	490460.04	3859260.04	9.60556	3.49E+00	3.92E+00	4.87E+00
2737	490510.04	3859260.04	7.34235	2.67E+00	3.00E+00	3.72E+00
2738	490560.04	3859260.04	6.29388	2.29E+00	2.57E+00	3.19E+00
2739	490610.04	3859260.04	5.32587	1.94E+00	2.18E+00	2.70E+00
2740	490660.04	3859260.04	5.14314	1.87E+00	2.10E+00	2.61E+00
2741	490710.04	3859260.04	4.51453	1.64E+00	1.84E+00	2.29E+00
2742	490760.04	3859260.04	3.806	1.38E+00	1.55E+00	1.93E+00
2743	490810.04	3859260.04	3.61641	1.31E+00	1.48E+00	1.83E+00
2744	490860.04	3859260.04	3.42958	1.25E+00	1.40E+00	1.74E+00
2745	490360.04	3859310.04	13.4147	4.88E+00	5.48E+00	6.79E+00
2746	490410.04	3859310.04	12.01871	4.37E+00	4.91E+00	6.09E+00
2747	490460.04	3859310.04	11.15592	4.06E+00	4.56E+00	5.65E+00
2748	490510.04	3859310.04	9.78626	3.56E+00	4.00E+00	4.96E+00
2749	490560.04	3859310.04	7.7098	2.80E+00	3.15E+00	3.91E+00
2750	490610.04	3859310.04	6.98093	2.54E+00	2.85E+00	3.54E+00
2751	490660.04	3859310.04	6.45717	2.35E+00	2.64E+00	3.27E+00
2752	490710.04	3859310.04	5.46662	1.99E+00	2.23E+00	2.77E+00
2753	490760.04	3859310.04	4.91743	1.79E+00	2.01E+00	2.49E+00
2754	490810.04	3859310.04	4.63792	1.69E+00	1.89E+00	2.35E+00
2755	490860.04	3859310.04	4.17986	1.52E+00	1.71E+00	2.12E+00
2756	490360.04	3859360.04	17.0933	6.21E+00	6.98E+00	8.66E+00
2757	490410.04	3859360.04	14.62458	5.32E+00	5.97E+00	7.41E+00
2758	490460.04	3859360.04	13.2448	4.82E+00	5.41E+00	6.71E+00
2759	490510.04	3859360.04	12.60533	4.58E+00	5.15E+00	6.38E+00
2760	490560.04	3859360.04	10.50734	3.82E+00	4.29E+00	5.32E+00
2761	490610.04	3859360.04	7.90885	2.88E+00	3.23E+00	4.01E+00
2762	490660.04	3859360.04	7.26232	2.64E+00	2.97E+00	3.68E+00
2763	490710.04	3859360.04	6.55104	2.38E+00	2.68E+00	3.32E+00
2764	490760.04	3859360.04	5.79558	2.11E+00	2.37E+00	2.94E+00
2765	490810.04	3859360.04	5.64541	2.05E+00	2.31E+00	2.86E+00
2766	490860.04	3859360.04	5.21774	1.90E+00	2.13E+00	2.64E+00
2767	490360.04	3859410.04	19.85064	7.22E+00	8.11E+00	1.01E+01
2768	490410.04	3859410.04	18.84255	6.85E+00	7.70E+00	9.54E+00

2769	490460.04	3859410.04	16.24975	5.91E+00	6.64E+00	8.23E+00
2770	490510.04	3859410.04	14.34773	5.22E+00	5.86E+00	7.27E+00
2771	490560.04	3859410.04	13.59761	4.94E+00	5.55E+00	6.89E+00
2772	490610.04	3859410.04	11.6531	4.24E+00	4.76E+00	5.90E+00
2773	490660.04	3859410.04	8.28137	3.01E+00	3.38E+00	4.19E+00
2774	490710.04	3859410.04	7.43968	2.70E+00	3.04E+00	3.77E+00
2775	490760.04	3859410.04	6.61981	2.41E+00	2.70E+00	3.35E+00
2776	490810.04	3859410.04	6.46177	2.35E+00	2.64E+00	3.27E+00
2777	490860.04	3859410.04	6.35777	2.31E+00	2.60E+00	3.22E+00
2778	490360.04	3859460.04	20.98426	7.63E+00	8.57E+00	1.06E+01
2779	490410.04	3859460.04	21.3571	7.76E+00	8.72E+00	1.08E+01
2780	490460.04	3859460.04	20.45661	7.44E+00	8.36E+00	1.04E+01
2781	490510.04	3859460.04	17.74004	6.45E+00	7.25E+00	8.99E+00
2782	490560.04	3859460.04	15.42733	5.61E+00	6.30E+00	7.81E+00
2783	490610.04	3859460.04	14.37205	5.23E+00	5.87E+00	7.28E+00
2784	490660.04	3859460.04	11.83625	4.30E+00	4.84E+00	6.00E+00
2785	490710.04	3859460.04	8.87483	3.23E+00	3.63E+00	4.50E+00
2786	490760.04	3859460.04	8.24031	3.00E+00	3.37E+00	4.17E+00
2787	490810.04	3859460.04	7.61403	2.77E+00	3.11E+00	3.86E+00
2788	490860.04	3859460.04	7.31066	2.66E+00	2.99E+00	3.70E+00
2789	490360.04	3859510.04	25.36323	9.22E+00	1.04E+01	1.28E+01
2790	490410.04	3859510.04	22.47775	8.17E+00	9.18E+00	1.14E+01
2791	490460.04	3859510.04	23.23852	8.45E+00	9.49E+00	1.18E+01
2792	490510.04	3859510.04	22.40837	8.15E+00	9.15E+00	1.14E+01
2793	490560.04	3859510.04	19.59309	7.12E+00	8.00E+00	9.92E+00
2794	490610.04	3859510.04	16.48716	5.99E+00	6.74E+00	8.35E+00
2795	490660.04	3859510.04	15.28877	5.56E+00	6.25E+00	7.74E+00
2796	490710.04	3859510.04	12.53066	4.56E+00	5.12E+00	6.35E+00
2797	490760.04	3859510.04	9.31826	3.39E+00	3.81E+00	4.72E+00
2798	490810.04	3859510.04	8.8043	3.20E+00	3.60E+00	4.46E+00
2799	490860.04	3859510.04	8.28901	3.01E+00	3.39E+00	4.20E+00
2800	490360.04	3859560.04	31.47755	1.14E+01	1.29E+01	1.59E+01
2801	490410.04	3859560.04	28.56051	1.04E+01	1.17E+01	1.45E+01
2802	490460.04	3859560.04	25.3697	9.22E+00	1.04E+01	1.29E+01
2803	490510.04	3859560.04	25.14915	9.14E+00	1.03E+01	1.27E+01
2804	490560.04	3859560.04	24.75372	9.00E+00	1.01E+01	1.25E+01
2805	490610.04	3859560.04	21.73258	7.90E+00	8.88E+00	1.10E+01
2806	490660.04	3859560.04	17.89306	6.51E+00	7.31E+00	9.06E+00
2807	490710.04	3859560.04	16.39319	5.96E+00	6.70E+00	8.30E+00
2808	490760.04	3859560.04	12.87062	4.68E+00	5.26E+00	6.52E+00
2809	490810.04	3859560.04	9.91024	3.60E+00	4.05E+00	5.02E+00
2810	490860.04	3859560.04	9.2151	3.35E+00	3.76E+00	4.67E+00
2811	490187.25	3859422.08	23.48818	8.54E+00	9.60E+00	1.19E+01
2812	490237.25	3859422.08	22.03433	8.01E+00	9.00E+00	1.12E+01
2813	490287.25	3859422.08	19.91655	7.24E+00	8.14E+00	1.01E+01
2814	490337.25	3859422.08	20.1194	7.31E+00	8.22E+00	1.02E+01
2815	490187.25	3859472.08	28.7818	1.05E+01	1.18E+01	1.46E+01
2816	490237.25	3859472.08	26.39984	9.60E+00	1.08E+01	1.34E+01
2817	490287.25	3859472.08	24.55557	8.93E+00	1.00E+01	1.24E+01
2818	490337.25	3859472.08	21.89284	7.96E+00	8.94E+00	1.11E+01
2819	490297.07	3859500.42	26.4296	9.61E+00	1.08E+01	1.34E+01
2820	490327.07	3859500.42	25.77348	9.37E+00	1.05E+01	1.31E+01
2821	490297.07	3859530.42	30.80884	1.12E+01	1.26E+01	1.56E+01
2822	490327.07	3859530.42	28.97556	1.05E+01	1.18E+01	1.47E+01
2823	490319.73	3859055.34	9.70997	3.53E+00	3.97E+00	4.92E+00
2824	490319.73	3859105.34	10.67215	3.88E+00	4.36E+00	5.41E+00
2825	490069.73	3859155.34	15.65962	5.69E+00	6.40E+00	7.93E+00
2826	490119.73	3859155.34	15.18349	5.52E+00	6.20E+00	7.69E+00
2827	490269.73	3859155.34	12.16994	4.42E+00	4.97E+00	6.16E+00
2828	490319.73	3859155.34	11.66649	4.24E+00	4.77E+00	5.91E+00
2829	490069.73	3859205.34	16.36959	5.95E+00	6.69E+00	8.29E+00
2830	490119.73	3859205.34	16.76018	6.09E+00	6.85E+00	8.49E+00
2831	490169.73	3859205.34	16.24645	5.91E+00	6.64E+00	8.23E+00

2832	490219.73	3859205.34	14.56137	5.29E+00	5.95E+00	7.38E+00
2833	490269.73	3859205.34	12.26986	4.46E+00	5.01E+00	6.21E+00
2834	490319.73	3859205.34	12.05104	4.38E+00	4.92E+00	6.10E+00
2835	490069.73	3859255.34	16.12789	5.86E+00	6.59E+00	8.17E+00
2836	490119.73	3859255.34	17.07994	6.21E+00	6.98E+00	8.65E+00
2837	490169.73	3859255.34	17.46471	6.35E+00	7.13E+00	8.85E+00
2838	490219.73	3859255.34	16.83945	6.12E+00	6.88E+00	8.53E+00
2839	490269.73	3859255.34	14.838	5.39E+00	6.06E+00	7.52E+00
2840	490319.73	3859255.34	12.50094	4.54E+00	5.11E+00	6.33E+00
2841	490069.73	3859305.34	18.90588	6.87E+00	7.72E+00	9.58E+00
2842	490119.73	3859305.34	17.33187	6.30E+00	7.08E+00	8.78E+00
2843	490169.73	3859305.34	17.74577	6.45E+00	7.25E+00	8.99E+00
2844	490219.73	3859305.34	18.15262	6.60E+00	7.42E+00	9.19E+00
2845	490269.73	3859305.34	17.4801	6.35E+00	7.14E+00	8.85E+00
2846	490319.73	3859305.34	15.41207	5.60E+00	6.30E+00	7.81E+00
2847	490069.73	3859355.34	21.916	7.97E+00	8.95E+00	1.11E+01
2848	490119.73	3859355.34	21.03171	7.65E+00	8.59E+00	1.07E+01
2849	490169.73	3859355.34	19.00382	6.91E+00	7.76E+00	9.63E+00
2850	490219.73	3859355.34	18.25695	6.64E+00	7.46E+00	9.25E+00
2851	490269.73	3859355.34	19.01021	6.91E+00	7.77E+00	9.63E+00
2852	490319.73	3859355.34	18.27422	6.64E+00	7.47E+00	9.26E+00
2853	490069.73	3859405.34	26.50485	9.64E+00	1.08E+01	1.34E+01
2854	490119.73	3859405.34	24.66634	8.97E+00	1.01E+01	1.25E+01
2855	490169.73	3859405.34	22.89353	8.32E+00	9.35E+00	1.16E+01
2856	490219.73	3859405.34	21.29533	7.74E+00	8.70E+00	1.08E+01
2857	490269.73	3859405.34	19.26243	7.00E+00	7.87E+00	9.76E+00
2858	490319.73	3859405.34	19.85943	7.22E+00	8.11E+00	1.01E+01
2859	490161.89	3859541.83	40.36116	1.47E+01	1.65E+01	2.04E+01
2860	490171.89	3859541.83	39.69028	1.44E+01	1.62E+01	2.01E+01
2861	490161.89	3859551.83	43.00102	1.56E+01	1.76E+01	2.18E+01
2862	490171.89	3859551.83	41.82938	1.52E+01	1.71E+01	2.12E+01
2863	489799.72	3859348.21	31.38406	1.14E+01	1.28E+01	1.59E+01
2864	489819.72	3859348.21	30.19636	1.10E+01	1.23E+01	1.53E+01
2865	489799.72	3859368.21	34.93599	1.27E+01	1.43E+01	1.77E+01
2866	489819.72	3859368.21	33.14895	1.21E+01	1.35E+01	1.68E+01
2867	489775.41	3859329.72	30.42428	1.11E+01	1.24E+01	1.54E+01
2868	489795.41	3859329.72	29.28123	1.06E+01	1.20E+01	1.48E+01
2869	489775.41	3859349.72	33.60005	1.22E+01	1.37E+01	1.70E+01
2870	489795.41	3859349.72	31.91615	1.16E+01	1.30E+01	1.62E+01
2871	489595.05	3859219.43	27.72317	1.01E+01	1.13E+01	1.40E+01
2872	489615.05	3859219.43	26.47044	9.62E+00	1.08E+01	1.34E+01
2873	489595.05	3859239.43	30.78653	1.12E+01	1.26E+01	1.56E+01
2874	489615.05	3859239.43	29.07021	1.06E+01	1.19E+01	1.47E+01
2875	489372.4	3859092.58	26.44346	9.61E+00	1.08E+01	1.34E+01
2876	489422.4	3859092.58	23.4762	8.53E+00	9.59E+00	1.19E+01
2877	489372.4	3859142.58	37.33107	1.36E+01	1.53E+01	1.89E+01
2878	489422.4	3859142.58	30.24329	1.10E+01	1.24E+01	1.53E+01
2879	488870.84	3858666.64	14.69454	5.34E+00	6.00E+00	7.44E+00
2880	488900.84	3858666.64	14.0101	5.09E+00	5.72E+00	7.10E+00
2881	488870.84	3858696.64	16.01839	5.82E+00	6.54E+00	8.11E+00
2882	488900.84	3858696.64	15.17206	5.52E+00	6.20E+00	7.68E+00
2883	488889.67	3858683.97	14.93414	5.43E+00	6.10E+00	7.56E+00
2884	488919.67	3858683.97	14.22844	5.17E+00	5.81E+00	7.21E+00
2885	488889.67	3858713.97	16.30225	5.93E+00	6.66E+00	8.26E+00
2886	488919.67	3858713.97	15.43218	5.61E+00	6.30E+00	7.82E+00
2887	488906.61	3858703.33	15.30582	5.56E+00	6.25E+00	7.75E+00
2888	488936.61	3858703.33	14.59213	5.31E+00	5.96E+00	7.39E+00
2889	488906.61	3858733.33	16.83136	6.12E+00	6.88E+00	8.53E+00
2890	488936.61	3858733.33	15.87424	5.77E+00	6.48E+00	8.04E+00
2891	488637.63	3858467.85	12.92821	4.70E+00	5.28E+00	6.55E+00
2892	488662.63	3858467.85	12.47583	4.54E+00	5.10E+00	6.32E+00
2893	488637.63	3858492.85	13.66173	4.97E+00	5.58E+00	6.92E+00
2894	488662.63	3858492.85	13.215	4.80E+00	5.40E+00	6.69E+00

2895	488687.63	3858492.85	12.73645	4.63E+00	5.20E+00	6.45E+00
2896	488637.63	3858517.85	14.39943	5.23E+00	5.88E+00	7.29E+00
2897	488662.63	3858517.85	14.01043	5.09E+00	5.72E+00	7.10E+00
2898	488687.63	3858517.85	13.50193	4.91E+00	5.52E+00	6.84E+00
2899	488194.42	3857168.98	4.68962	1.70E+00	1.92E+00	2.38E+00
2900	488244.42	3857168.98	4.69479	1.71E+00	1.92E+00	2.38E+00
2901	488294.42	3857168.98	4.6986	1.71E+00	1.92E+00	2.38E+00
2902	488244.42	3857218.98	4.81673	1.75E+00	1.97E+00	2.44E+00
2903	488294.42	3857218.98	4.80651	1.75E+00	1.96E+00	2.43E+00
2904	488294.42	3857268.98	4.94448	1.80E+00	2.02E+00	2.50E+00
2905	488139.13	3857111.68	4.56138	1.66E+00	1.86E+00	2.31E+00
2906	488189.13	3857111.68	4.57507	1.66E+00	1.87E+00	2.32E+00
2907	488189.13	3857161.68	4.6765	1.70E+00	1.91E+00	2.37E+00
2908	487951.04	3856961.26	4.26879	1.55E+00	1.74E+00	2.16E+00
2909	488001.04	3856961.26	4.30811	1.57E+00	1.76E+00	2.18E+00
2910	488051.04	3856961.26	4.3363	1.58E+00	1.77E+00	2.20E+00
2911	488101.04	3856961.26	4.40092	1.60E+00	1.80E+00	2.23E+00
2912	487951.04	3857011.26	4.33074	1.57E+00	1.77E+00	2.19E+00
2913	488001.04	3857011.26	4.33316	1.58E+00	1.77E+00	2.19E+00
2914	488051.04	3857011.26	4.35891	1.58E+00	1.78E+00	2.21E+00
2915	488101.04	3857011.26	4.43182	1.61E+00	1.81E+00	2.24E+00
2916	488001.04	3857061.26	4.38104	1.59E+00	1.79E+00	2.22E+00
2917	488051.04	3857061.26	4.44154	1.61E+00	1.81E+00	2.25E+00
2918	488101.04	3857061.26	4.47999	1.63E+00	1.83E+00	2.27E+00
2919	487638.98	3856673.79	5.04405	1.83E+00	2.06E+00	2.55E+00
2920	487688.98	3856673.79	4.99955	1.82E+00	2.04E+00	2.53E+00
2921	487638.98	3856723.79	4.95597	1.80E+00	2.02E+00	2.51E+00
2922	487688.98	3856723.79	4.87839	1.77E+00	1.99E+00	2.47E+00
2923	486324.61	3855740.57	7.95094	2.89E+00	3.25E+00	4.03E+00
2924	486374.61	3855740.57	7.89674	2.87E+00	3.23E+00	4.00E+00
2925	486424.61	3855740.57	7.88668	2.87E+00	3.22E+00	3.99E+00
2926	486324.61	3855790.57	7.81103	2.84E+00	3.19E+00	3.96E+00
2927	486374.61	3855790.57	7.88558	2.87E+00	3.22E+00	3.99E+00
2928	486424.61	3855790.57	7.82963	2.85E+00	3.20E+00	3.97E+00
2929	486324.61	3855840.57	7.53335	2.74E+00	3.08E+00	3.82E+00
2930	486374.61	3855840.57	7.68004	2.79E+00	3.14E+00	3.89E+00
2931	486424.61	3855840.57	7.75836	2.82E+00	3.17E+00	3.93E+00
2932	486324.61	3855890.57	7.13322	2.59E+00	2.91E+00	3.61E+00
2933	486374.61	3855890.57	7.34915	2.67E+00	3.00E+00	3.72E+00
2934	486424.61	3855890.57	7.5295	2.74E+00	3.08E+00	3.81E+00
2935	488735.69	3858285.64	8.20334	2.98E+00	3.35E+00	4.16E+00
2936	488765.69	3858285.64	8.14967	2.96E+00	3.33E+00	4.13E+00
2937	488735.69	3858315.64	8.59169	3.12E+00	3.51E+00	4.35E+00
2938	488765.69	3858315.64	8.34139	3.03E+00	3.41E+00	4.23E+00
2939	478676.63	3849871.93	16.45758	5.98E+00	6.72E+00	8.34E+00
2940	479326.63	3849871.93	10.21978	3.72E+00	4.17E+00	5.18E+00
2941	479376.63	3849871.93	9.98362	3.63E+00	4.08E+00	5.06E+00
2942	479426.63	3849871.93	9.94642	3.62E+00	4.06E+00	5.04E+00
2943	478726.63	3849921.93	16.94208	6.16E+00	6.92E+00	8.58E+00
2944	478776.63	3849921.93	17.1392	6.23E+00	7.00E+00	8.68E+00
2945	478826.63	3849921.93	17.22635	6.26E+00	7.04E+00	8.73E+00
2946	478976.63	3849921.93	17.46997	6.35E+00	7.14E+00	8.85E+00
2947	479026.63	3849921.93	17.68233	6.43E+00	7.22E+00	8.96E+00
2948	479076.63	3849921.93	17.48917	6.36E+00	7.14E+00	8.86E+00
2949	479126.63	3849921.93	16.99848	6.18E+00	6.94E+00	8.61E+00
2950	479176.63	3849921.93	16.40528	5.96E+00	6.70E+00	8.31E+00
2951	479226.63	3849921.93	14.82615	5.39E+00	6.06E+00	7.51E+00
2952	479276.63	3849921.93	12.66493	4.60E+00	5.17E+00	6.41E+00
2953	479326.63	3849921.93	12.48757	4.54E+00	5.10E+00	6.33E+00
2954	479376.63	3849921.93	10.70928	3.89E+00	4.37E+00	5.42E+00
2955	479426.63	3849921.93	11.48274	4.17E+00	4.69E+00	5.82E+00
2956	478726.63	3849971.93	17.24704	6.27E+00	7.05E+00	8.74E+00
2957	478776.63	3849971.93	17.39574	6.32E+00	7.11E+00	8.81E+00

2958	478826.63	3849971.93	17.51902	6.37E+00	7.16E+00	8.87E+00
2959	478976.63	3849971.93	18.17759	6.61E+00	7.43E+00	9.21E+00
2960	479026.63	3849971.93	18.18567	6.61E+00	7.43E+00	9.21E+00
2961	479076.63	3849971.93	18.14101	6.60E+00	7.41E+00	9.19E+00
2962	479126.63	3849971.93	18.002	6.54E+00	7.35E+00	9.12E+00
2963	479176.63	3849971.93	17.55482	6.38E+00	7.17E+00	8.89E+00
2964	479226.63	3849971.93	15.61732	5.68E+00	6.38E+00	7.91E+00
2965	479276.63	3849971.93	15.55051	5.65E+00	6.35E+00	7.88E+00
2966	479326.63	3849971.93	14.69861	5.34E+00	6.00E+00	7.45E+00
2967	479376.63	3849971.93	12.40863	4.51E+00	5.07E+00	6.29E+00
2968	479426.63	3849971.93	12.38612	4.50E+00	5.06E+00	6.27E+00
2969	478726.63	3850021.93	18.93902	6.89E+00	7.74E+00	9.59E+00
2970	478776.63	3850021.93	17.72909	6.45E+00	7.24E+00	8.98E+00
2971	478826.63	3850021.93	17.8671	6.50E+00	7.30E+00	9.05E+00
2972	478976.63	3850021.93	18.6093	6.77E+00	7.60E+00	9.43E+00
2973	478726.63	3850071.93	20.98946	7.63E+00	8.57E+00	1.06E+01
2974	478776.63	3850071.93	20.07406	7.30E+00	8.20E+00	1.02E+01
2975	478826.63	3850071.93	18.89718	6.87E+00	7.72E+00	9.57E+00
2976	478876.63	3850071.93	18.46963	6.71E+00	7.55E+00	9.36E+00
2977	478976.63	3850071.93	19.0022	6.91E+00	7.76E+00	9.62E+00
2978	478726.63	3850121.93	24.66392	8.97E+00	1.01E+01	1.25E+01
2979	478776.63	3850121.93	22.88314	8.32E+00	9.35E+00	1.16E+01
2980	478826.63	3850121.93	21.4993	7.82E+00	8.78E+00	1.09E+01
2981	478876.63	3850121.93	20.35602	7.40E+00	8.32E+00	1.03E+01
2982	478976.63	3850121.93	19.57686	7.12E+00	8.00E+00	9.92E+00
2983	479026.63	3850121.93	19.81741	7.20E+00	8.10E+00	1.00E+01
2984	479076.63	3850121.93	19.84251	7.21E+00	8.11E+00	1.01E+01
2985	479126.63	3850121.93	19.92183	7.24E+00	8.14E+00	1.01E+01
2986	478776.63	3850171.93	26.27117	9.55E+00	1.07E+01	1.33E+01
2987	478826.63	3850171.93	24.65618	8.96E+00	1.01E+01	1.25E+01
2988	478876.63	3850171.93	22.71724	8.26E+00	9.28E+00	1.15E+01
2989	478976.63	3850171.93	20.5649	7.48E+00	8.40E+00	1.04E+01
2990	479026.63	3850171.93	19.99594	7.27E+00	8.17E+00	1.01E+01
2991	479076.63	3850171.93	20.4841	7.45E+00	8.37E+00	1.04E+01
2992	479126.63	3850171.93	20.77443	7.55E+00	8.49E+00	1.05E+01
2993	479176.63	3850171.93	20.99582	7.63E+00	8.58E+00	1.06E+01
2994	479226.63	3850171.93	21.45079	7.80E+00	8.76E+00	1.09E+01
2995	479276.63	3850171.93	21.717	7.90E+00	8.87E+00	1.10E+01
2996	479326.63	3850171.93	21.59907	7.85E+00	8.82E+00	1.09E+01
2997	479376.63	3850171.93	21.36725	7.77E+00	8.73E+00	1.08E+01
2998	478676.63	3850221.93	36.63404	1.33E+01	1.50E+01	1.86E+01
2999	478726.63	3850221.93	32.71969	1.19E+01	1.34E+01	1.66E+01
3000	478976.63	3850221.93	22.93591	8.34E+00	9.37E+00	1.16E+01
3001	479026.63	3850221.93	21.91325	7.97E+00	8.95E+00	1.11E+01
3002	479076.63	3850221.93	20.45269	7.44E+00	8.36E+00	1.04E+01
3003	479126.63	3850221.93	20.90122	7.60E+00	8.54E+00	1.06E+01
3004	479176.63	3850221.93	21.52068	7.82E+00	8.79E+00	1.09E+01
3005	479226.63	3850221.93	22.00569	8.00E+00	8.99E+00	1.11E+01
3006	479276.63	3850221.93	22.38186	8.14E+00	9.14E+00	1.13E+01
3007	479326.63	3850221.93	22.24202	8.09E+00	9.09E+00	1.13E+01
3008	479376.63	3850221.93	22.19878	8.07E+00	9.07E+00	1.12E+01
3009	478676.63	3850271.93	47.34252	1.72E+01	1.93E+01	2.40E+01
3010	478726.63	3850271.93	40.50845	1.47E+01	1.65E+01	2.05E+01
3011	478976.63	3850271.93	26.47184	9.62E+00	1.08E+01	1.34E+01
3012	479026.63	3850271.93	24.36746	8.86E+00	9.95E+00	1.23E+01
3013	479076.63	3850271.93	23.10204	8.40E+00	9.44E+00	1.17E+01
3014	479126.63	3850271.93	21.85246	7.94E+00	8.93E+00	1.11E+01
3015	479176.63	3850271.93	21.38363	7.77E+00	8.74E+00	1.08E+01
3016	479226.63	3850271.93	21.95218	7.98E+00	8.97E+00	1.11E+01
3017	479276.63	3850271.93	22.54387	8.20E+00	9.21E+00	1.14E+01
3018	479326.63	3850271.93	22.89043	8.32E+00	9.35E+00	1.16E+01
3019	479376.63	3850271.93	22.73784	8.27E+00	9.29E+00	1.15E+01
3020	479053.24	3850293.52	24.89098	9.05E+00	1.02E+01	1.26E+01

3021	479103.24	3850293.52	23.51707	8.55E+00	9.61E+00	1.19E+01
3022	479153.24	3850293.52	22.29193	8.10E+00	9.11E+00	1.13E+01
3023	479203.24	3850293.52	21.51028	7.82E+00	8.79E+00	1.09E+01
3024	479253.24	3850293.52	22.12381	8.04E+00	9.04E+00	1.12E+01
3025	479303.24	3850293.52	22.81336	8.29E+00	9.32E+00	1.16E+01
3026	479353.24	3850293.52	23.10733	8.40E+00	9.44E+00	1.17E+01
3027	479153.24	3850343.52	24.55651	8.93E+00	1.00E+01	1.24E+01
3028	479203.24	3850343.52	23.31995	8.48E+00	9.53E+00	1.18E+01
3029	479253.24	3850343.52	22.04171	8.01E+00	9.00E+00	1.12E+01
3030	479303.24	3850343.52	22.67531	8.24E+00	9.26E+00	1.15E+01
3031	479353.24	3850343.52	23.34148	8.49E+00	9.54E+00	1.18E+01
3032	479203.24	3850393.52	26.15792	9.51E+00	1.07E+01	1.32E+01
3033	479253.24	3850393.52	24.61621	8.95E+00	1.01E+01	1.25E+01
3034	479303.24	3850393.52	23.43852	8.52E+00	9.57E+00	1.19E+01
3035	479353.24	3850393.52	23.3078	8.47E+00	9.52E+00	1.18E+01
3036	479403.24	3850393.52	23.87165	8.68E+00	9.75E+00	1.21E+01
3037	479453.24	3850393.52	24.17501	8.79E+00	9.88E+00	1.22E+01
3038	479503.24	3850393.52	23.77594	8.64E+00	9.71E+00	1.20E+01
3039	479303.24	3850443.52	26.18898	9.52E+00	1.07E+01	1.33E+01
3040	479353.24	3850443.52	25.13642	9.14E+00	1.03E+01	1.27E+01
3041	479403.24	3850443.52	24.00496	8.73E+00	9.81E+00	1.22E+01
3042	479453.24	3850443.52	24.53769	8.92E+00	1.00E+01	1.24E+01
3043	479503.24	3850443.52	24.33145	8.85E+00	9.94E+00	1.23E+01
3044	480327.18	3850987.04	38.15485	1.39E+01	1.56E+01	1.93E+01
3045	480377.18	3850987.04	37.26472	1.35E+01	1.52E+01	1.89E+01
3046	480427.18	3850987.04	37.27343	1.36E+01	1.52E+01	1.89E+01
3047	480477.18	3850987.04	34.40836	1.25E+01	1.41E+01	1.74E+01
3048	480327.18	3851037.04	42.01682	1.53E+01	1.72E+01	2.13E+01
3049	480377.18	3851037.04	40.86329	1.49E+01	1.67E+01	2.07E+01
3050	480427.18	3851037.04	39.72464	1.44E+01	1.62E+01	2.01E+01
3051	480477.18	3851037.04	39.49843	1.44E+01	1.61E+01	2.00E+01
3052	480622.06	3851087.39	39.09944	1.42E+01	1.60E+01	1.98E+01
3053	480672.06	3851087.39	37.70768	1.37E+01	1.54E+01	1.91E+01
3054	480622.06	3851137.39	42.43196	1.54E+01	1.73E+01	2.15E+01
3055	480672.06	3851137.39	41.47449	1.51E+01	1.69E+01	2.10E+01
3056	480722.06	3851137.39	40.411	1.47E+01	1.65E+01	2.05E+01
3057	480622.06	3851187.39	47.23138	1.72E+01	1.93E+01	2.39E+01
3058	480672.06	3851187.39	44.25363	1.61E+01	1.81E+01	2.24E+01
3059	480722.06	3851187.39	42.93457	1.56E+01	1.75E+01	2.17E+01
3060	471363.09	3845877.25	3.31146	1.20E+00	1.35E+00	1.68E+00
3061	471863.09	3845877.25	2.18117	7.93E-01	8.91E-01	1.10E+00
3062	472363.09	3845877.25	2.97471	1.08E+00	1.22E+00	1.51E+00
3063	472863.09	3845877.25	2.01116	7.31E-01	8.22E-01	1.02E+00
3064	473363.09	3845877.25	2.02555	7.36E-01	8.27E-01	1.03E+00
3065	473863.09	3845877.25	1.96547	7.15E-01	8.03E-01	9.96E-01
3066	474363.09	3845877.25	2.85522	1.04E+00	1.17E+00	1.45E+00
3067	474863.09	3845877.25	2.14115	7.78E-01	8.75E-01	1.08E+00
3068	475363.09	3845877.25	2.27462	8.27E-01	9.29E-01	1.15E+00
3069	475863.09	3845877.25	2.70242	9.82E-01	1.10E+00	1.37E+00
3070	476363.09	3845877.25	1.64597	5.98E-01	6.72E-01	8.34E-01
3071	476863.09	3845877.25	1.86211	6.77E-01	7.61E-01	9.43E-01
3072	477363.09	3845877.25	1.87015	6.80E-01	7.64E-01	9.47E-01
3073	477863.09	3845877.25	1.30203	4.73E-01	5.32E-01	6.59E-01
3074	478363.09	3845877.25	1.24404	4.52E-01	5.08E-01	6.30E-01
3075	478863.09	3845877.25	1.09364	3.98E-01	4.47E-01	5.54E-01
3076	479363.09	3845877.25	1.06789	3.88E-01	4.36E-01	5.41E-01
3077	479863.09	3845877.25	0.76544	2.78E-01	3.13E-01	3.88E-01
3078	480363.09	3845877.25	0.8524	3.10E-01	3.48E-01	4.32E-01
3079	480863.09	3845877.25	1.01322	3.68E-01	4.14E-01	5.13E-01
3080	481363.09	3845877.25	1.05405	3.83E-01	4.31E-01	5.34E-01
3081	481863.09	3845877.25	0.74583	2.71E-01	3.05E-01	3.78E-01
3082	482363.09	3845877.25	0.73166	2.66E-01	2.99E-01	3.71E-01
3083	482863.09	3845877.25	0.81665	2.97E-01	3.34E-01	4.14E-01

3084	483363.09	3845877.25	0.82282	2.99E-01	3.36E-01	4.17E-01
3085	483863.09	3845877.25	0.76089	2.77E-01	3.11E-01	3.85E-01
3086	484363.09	3845877.25	0.6956	2.53E-01	2.84E-01	3.52E-01
3087	484863.09	3845877.25	0.66029	2.40E-01	2.70E-01	3.34E-01
3088	485363.09	3845877.25	0.64743	2.35E-01	2.64E-01	3.28E-01
3089	485863.09	3845877.25	0.64312	2.34E-01	2.63E-01	3.26E-01
3090	486363.09	3845877.25	0.6409	2.33E-01	2.62E-01	3.25E-01
3091	486863.09	3845877.25	0.63906	2.32E-01	2.61E-01	3.24E-01
3092	487363.09	3845877.25	0.63729	2.32E-01	2.60E-01	3.23E-01
3093	487863.09	3845877.25	0.66052	2.40E-01	2.70E-01	3.35E-01
3094	488363.09	3845877.25	0.68133	2.48E-01	2.78E-01	3.45E-01
3095	488863.09	3845877.25	0.68095	2.48E-01	2.78E-01	3.45E-01
3096	489363.09	3845877.25	0.67476	2.45E-01	2.76E-01	3.42E-01
3097	489863.09	3845877.25	0.62862	2.29E-01	2.57E-01	3.18E-01
3098	490363.09	3845877.25	0.62692	2.28E-01	2.56E-01	3.18E-01
3099	490863.09	3845877.25	0.62515	2.27E-01	2.55E-01	3.17E-01
3100	491363.09	3845877.25	0.62275	2.26E-01	2.54E-01	3.15E-01
3101	491863.09	3845877.25	0.61769	2.25E-01	2.52E-01	3.13E-01
3102	492363.09	3845877.25	0.6064	2.20E-01	2.48E-01	3.07E-01
3103	492863.09	3845877.25	0.58693	2.13E-01	2.40E-01	2.97E-01
3104	493363.09	3845877.25	0.56231	2.04E-01	2.30E-01	2.85E-01
3105	493863.09	3845877.25	0.53883	1.96E-01	2.20E-01	2.73E-01
3106	494363.09	3845877.25	0.52116	1.89E-01	2.13E-01	2.64E-01
3107	494863.09	3845877.25	0.51009	1.85E-01	2.08E-01	2.58E-01
3108	495363.09	3845877.25	0.50382	1.83E-01	2.06E-01	2.55E-01
3109	495863.09	3845877.25	0.49998	1.82E-01	2.04E-01	2.53E-01
3110	496363.09	3845877.25	0.49623	1.80E-01	2.03E-01	2.51E-01
3111	496863.09	3845877.25	0.48911	1.78E-01	2.00E-01	2.48E-01
3112	497363.09	3845877.25	0.47207	1.72E-01	1.93E-01	2.39E-01
3113	497863.09	3845877.25	0.4479	1.63E-01	1.83E-01	2.27E-01
3114	498363.09	3845877.25	0.44296	1.61E-01	1.81E-01	2.24E-01
3115	471363.09	3846377.25	12.15342	4.42E+00	4.96E+00	6.16E+00
3116	471863.09	3846377.25	9.71535	3.53E+00	3.97E+00	4.92E+00
3117	472363.09	3846377.25	3.01707	1.10E+00	1.23E+00	1.53E+00
3118	472863.09	3846377.25	2.33175	8.48E-01	9.53E-01	1.18E+00
3119	473363.09	3846377.25	2.00995	7.31E-01	8.21E-01	1.02E+00
3120	473863.09	3846377.25	2.16539	7.87E-01	8.85E-01	1.10E+00
3121	474363.09	3846377.25	2.8845	1.05E+00	1.18E+00	1.46E+00
3122	474863.09	3846377.25	3.94171	1.43E+00	1.61E+00	2.00E+00
3123	475363.09	3846377.25	2.9788	1.08E+00	1.22E+00	1.51E+00
3124	475863.09	3846377.25	2.79369	1.02E+00	1.14E+00	1.42E+00
3125	476363.09	3846377.25	2.93281	1.07E+00	1.20E+00	1.49E+00
3126	476863.09	3846377.25	1.91164	6.95E-01	7.81E-01	9.68E-01
3127	477363.09	3846377.25	1.98814	7.23E-01	8.12E-01	1.01E+00
3128	477863.09	3846377.25	1.79915	6.54E-01	7.35E-01	9.11E-01
3129	478363.09	3846377.25	1.42707	5.19E-01	5.83E-01	7.23E-01
3130	478863.09	3846377.25	1.29975	4.73E-01	5.31E-01	6.58E-01
3131	479363.09	3846377.25	1.18655	4.31E-01	4.85E-01	6.01E-01
3132	479863.09	3846377.25	1.15501	4.20E-01	4.72E-01	5.85E-01
3133	480363.09	3846377.25	0.83843	3.05E-01	3.43E-01	4.25E-01
3134	480863.09	3846377.25	1.01138	3.68E-01	4.13E-01	5.12E-01
3135	481363.09	3846377.25	1.05958	3.85E-01	4.33E-01	5.37E-01
3136	481863.09	3846377.25	0.85225	3.10E-01	3.48E-01	4.32E-01
3137	482363.09	3846377.25	0.83673	3.04E-01	3.42E-01	4.24E-01
3138	482863.09	3846377.25	0.75799	2.76E-01	3.10E-01	3.84E-01
3139	483363.09	3846377.25	0.6912	2.51E-01	2.82E-01	3.50E-01
3140	483863.09	3846377.25	0.66193	2.41E-01	2.70E-01	3.35E-01
3141	484363.09	3846377.25	0.65308	2.37E-01	2.67E-01	3.31E-01
3142	484863.09	3846377.25	0.65002	2.36E-01	2.66E-01	3.29E-01
3143	485363.09	3846377.25	0.64802	2.36E-01	2.65E-01	3.28E-01
3144	485863.09	3846377.25	0.64616	2.35E-01	2.64E-01	3.27E-01
3145	486363.09	3846377.25	0.64433	2.34E-01	2.63E-01	3.26E-01
3146	486863.09	3846377.25	0.64251	2.34E-01	2.62E-01	3.25E-01

3147	487363.09	3846377.25	0.64072	2.33E-01	2.62E-01	3.25E-01
3148	487863.09	3846377.25	0.65676	2.39E-01	2.68E-01	3.33E-01
3149	488363.09	3846377.25	0.68705	2.50E-01	2.81E-01	3.48E-01
3150	488863.09	3846377.25	0.68296	2.48E-01	2.79E-01	3.46E-01
3151	489363.09	3846377.25	0.68847	2.50E-01	2.81E-01	3.49E-01
3152	489863.09	3846377.25	0.6319	2.30E-01	2.58E-01	3.20E-01
3153	490363.09	3846377.25	0.62955	2.29E-01	2.57E-01	3.19E-01
3154	490863.09	3846377.25	0.62442	2.27E-01	2.55E-01	3.16E-01
3155	491363.09	3846377.25	0.61226	2.23E-01	2.50E-01	3.10E-01
3156	491863.09	3846377.25	0.59093	2.15E-01	2.41E-01	2.99E-01
3157	492363.09	3846377.25	0.56455	2.05E-01	2.31E-01	2.86E-01
3158	492863.09	3846377.25	0.54058	1.97E-01	2.21E-01	2.74E-01
3159	493363.09	3846377.25	0.52363	1.90E-01	2.14E-01	2.65E-01
3160	493863.09	3846377.25	0.51366	1.87E-01	2.10E-01	2.60E-01
3161	494363.09	3846377.25	0.50826	1.85E-01	2.08E-01	2.57E-01
3162	494863.09	3846377.25	0.50493	1.84E-01	2.06E-01	2.56E-01
3163	495363.09	3846377.25	0.50146	1.82E-01	2.05E-01	2.54E-01
3164	495863.09	3846377.25	0.49451	1.80E-01	2.02E-01	2.50E-01
3165	496363.09	3846377.25	0.47704	1.73E-01	1.95E-01	2.42E-01
3166	496863.09	3846377.25	0.45051	1.64E-01	1.84E-01	2.28E-01
3167	497363.09	3846377.25	0.44451	1.62E-01	1.82E-01	2.25E-01
3168	497863.09	3846377.25	0.43778	1.59E-01	1.79E-01	2.22E-01
3169	498363.09	3846377.25	0.4304	1.56E-01	1.76E-01	2.18E-01
3170	471363.09	3846877.25	13.67415	4.97E+00	5.59E+00	6.93E+00
3171	471863.09	3846877.25	16.25655	5.91E+00	6.64E+00	8.23E+00
3172	472363.09	3846877.25	14.58484	5.30E+00	5.96E+00	7.39E+00
3173	472863.09	3846877.25	3.63144	1.32E+00	1.48E+00	1.84E+00
3174	473363.09	3846877.25	3.07835	1.12E+00	1.26E+00	1.56E+00
3175	473863.09	3846877.25	2.73682	9.95E-01	1.12E+00	1.39E+00
3176	474363.09	3846877.25	2.83705	1.03E+00	1.16E+00	1.44E+00
3177	474863.09	3846877.25	3.34215	1.22E+00	1.37E+00	1.69E+00
3178	475363.09	3846877.25	3.9601	1.44E+00	1.62E+00	2.01E+00
3179	475863.09	3846877.25	3.78298	1.38E+00	1.55E+00	1.92E+00
3180	476363.09	3846877.25	3.03486	1.10E+00	1.24E+00	1.54E+00
3181	476863.09	3846877.25	3.13512	1.14E+00	1.28E+00	1.59E+00
3182	477363.09	3846877.25	2.10788	7.66E-01	8.61E-01	1.07E+00
3183	477863.09	3846877.25	2.10358	7.65E-01	8.59E-01	1.07E+00
3184	478363.09	3846877.25	1.63725	5.95E-01	6.69E-01	8.29E-01
3185	478863.09	3846877.25	1.32529	4.82E-01	5.41E-01	6.71E-01
3186	479363.09	3846877.25	1.2797	4.65E-01	5.23E-01	6.48E-01
3187	479863.09	3846877.25	1.13629	4.13E-01	4.64E-01	5.76E-01
3188	480363.09	3846877.25	0.8805	3.20E-01	3.60E-01	4.46E-01
3189	480863.09	3846877.25	1.0068	3.66E-01	4.11E-01	5.10E-01
3190	481363.09	3846877.25	1.06138	3.86E-01	4.34E-01	5.38E-01
3191	481863.09	3846877.25	0.95341	3.47E-01	3.89E-01	4.83E-01
3192	482363.09	3846877.25	0.69817	2.54E-01	2.85E-01	3.54E-01
3193	482863.09	3846877.25	0.66537	2.42E-01	2.72E-01	3.37E-01
3194	483363.09	3846877.25	0.65978	2.40E-01	2.70E-01	3.34E-01
3195	483863.09	3846877.25	0.6574	2.39E-01	2.69E-01	3.33E-01
3196	484363.09	3846877.25	0.65541	2.38E-01	2.68E-01	3.32E-01
3197	484863.09	3846877.25	0.65348	2.38E-01	2.67E-01	3.31E-01
3198	485363.09	3846877.25	0.65158	2.37E-01	2.66E-01	3.30E-01
3199	485863.09	3846877.25	0.64969	2.36E-01	2.65E-01	3.29E-01
3200	486363.09	3846877.25	0.64783	2.36E-01	2.65E-01	3.28E-01
3201	486863.09	3846877.25	0.64599	2.35E-01	2.64E-01	3.27E-01
3202	487363.09	3846877.25	0.64416	2.34E-01	2.63E-01	3.26E-01
3203	487863.09	3846877.25	0.65031	2.36E-01	2.66E-01	3.29E-01
3204	488363.09	3846877.25	0.69316	2.52E-01	2.83E-01	3.51E-01
3205	488863.09	3846877.25	0.68504	2.49E-01	2.80E-01	3.47E-01
3206	489363.09	3846877.25	0.69849	2.54E-01	2.85E-01	3.54E-01
3207	489863.09	3846877.25	0.63131	2.30E-01	2.58E-01	3.20E-01
3208	490363.09	3846877.25	0.61815	2.25E-01	2.53E-01	3.13E-01
3209	490863.09	3846877.25	0.59464	2.16E-01	2.43E-01	3.01E-01

3210	491363.09	3846877.25	0.56643	2.06E-01	2.31E-01	2.87E-01
3211	491863.09	3846877.25	0.54224	1.97E-01	2.22E-01	2.75E-01
3212	492363.09	3846877.25	0.52631	1.91E-01	2.15E-01	2.67E-01
3213	492863.09	3846877.25	0.51754	1.88E-01	2.11E-01	2.62E-01
3214	493363.09	3846877.25	0.51297	1.86E-01	2.10E-01	2.60E-01
3215	493863.09	3846877.25	0.51005	1.85E-01	2.08E-01	2.58E-01
3216	494363.09	3846877.25	0.51763	1.88E-01	2.11E-01	2.62E-01
3217	494863.09	3846877.25	0.52978	1.93E-01	2.16E-01	2.68E-01
3218	495363.09	3846877.25	0.54168	1.97E-01	2.21E-01	2.74E-01
3219	495863.09	3846877.25	0.55331	2.01E-01	2.26E-01	2.80E-01
3220	496363.09	3846877.25	0.56466	2.05E-01	2.31E-01	2.86E-01
3221	496863.09	3846877.25	0.57571	2.09E-01	2.35E-01	2.92E-01
3222	497363.09	3846877.25	0.58645	2.13E-01	2.40E-01	2.97E-01
3223	497863.09	3846877.25	0.59685	2.17E-01	2.44E-01	3.02E-01
3224	498363.09	3846877.25	0.60691	2.21E-01	2.48E-01	3.07E-01
3225	471363.09	3847377.25	11.86768	4.31E+00	4.85E+00	6.01E+00
3226	471863.09	3847377.25	13.71834	4.99E+00	5.60E+00	6.95E+00
3227	472363.09	3847377.25	17.59703	6.40E+00	7.19E+00	8.91E+00
3228	472863.09	3847377.25	23.1673	8.42E+00	9.46E+00	1.17E+01
3229	473363.09	3847377.25	12.19301	4.43E+00	4.98E+00	6.18E+00
3230	473863.09	3847377.25	6.34045	2.31E+00	2.59E+00	3.21E+00
3231	474363.09	3847377.25	4.58462	1.67E+00	1.87E+00	2.32E+00
3232	474863.09	3847377.25	3.2917	1.20E+00	1.34E+00	1.67E+00
3233	475363.09	3847377.25	3.20313	1.16E+00	1.31E+00	1.62E+00
3234	475863.09	3847377.25	5.09711	1.85E+00	2.08E+00	2.58E+00
3235	476363.09	3847377.25	5.55837	2.02E+00	2.27E+00	2.82E+00
3236	476863.09	3847377.25	3.43632	1.25E+00	1.40E+00	1.74E+00
3237	477363.09	3847377.25	3.63461	1.32E+00	1.48E+00	1.84E+00
3238	477863.09	3847377.25	2.05743	7.48E-01	8.40E-01	1.04E+00
3239	478363.09	3847377.25	2.17663	7.91E-01	8.89E-01	1.10E+00
3240	478863.09	3847377.25	1.93355	7.03E-01	7.90E-01	9.79E-01
3241	479363.09	3847377.25	1.64044	5.96E-01	6.70E-01	8.31E-01
3242	479863.09	3847377.25	1.00377	3.65E-01	4.10E-01	5.08E-01
3243	480363.09	3847377.25	0.85227	3.10E-01	3.48E-01	4.32E-01
3244	480863.09	3847377.25	0.99844	3.63E-01	4.08E-01	5.06E-01
3245	481363.09	3847377.25	1.0633	3.87E-01	4.34E-01	5.39E-01
3246	481863.09	3847377.25	1.159	4.21E-01	4.73E-01	5.87E-01
3247	482363.09	3847377.25	1.13742	4.14E-01	4.65E-01	5.76E-01
3248	482863.09	3847377.25	0.91899	3.34E-01	3.75E-01	4.65E-01
3249	483363.09	3847377.25	0.76239	2.77E-01	3.11E-01	3.86E-01
3250	483863.09	3847377.25	0.72108	2.62E-01	2.95E-01	3.65E-01
3251	484363.09	3847377.25	0.74529	2.71E-01	3.04E-01	3.77E-01
3252	484863.09	3847377.25	0.70208	2.55E-01	2.87E-01	3.56E-01
3253	485363.09	3847377.25	0.65518	2.38E-01	2.68E-01	3.32E-01
3254	485863.09	3847377.25	0.65325	2.37E-01	2.67E-01	3.31E-01
3255	486363.09	3847377.25	0.65135	2.37E-01	2.66E-01	3.30E-01
3256	486863.09	3847377.25	0.64948	2.36E-01	2.65E-01	3.29E-01
3257	487363.09	3847377.25	0.66123	2.40E-01	2.70E-01	3.35E-01
3258	487863.09	3847377.25	0.67296	2.45E-01	2.75E-01	3.41E-01
3259	488363.09	3847377.25	0.69949	2.54E-01	2.86E-01	3.54E-01
3260	488863.09	3847377.25	0.69654	2.53E-01	2.85E-01	3.53E-01
3261	489363.09	3847377.25	0.7084	2.58E-01	2.89E-01	3.59E-01
3262	489863.09	3847377.25	0.72028	2.62E-01	2.94E-01	3.65E-01
3263	490363.09	3847377.25	0.73213	2.66E-01	2.99E-01	3.71E-01
3264	490863.09	3847377.25	0.7439	2.70E-01	3.04E-01	3.77E-01
3265	491363.09	3847377.25	0.75553	2.75E-01	3.09E-01	3.83E-01
3266	491863.09	3847377.25	0.76694	2.79E-01	3.13E-01	3.88E-01
3267	492363.09	3847377.25	0.77808	2.83E-01	3.18E-01	3.94E-01
3268	492863.09	3847377.25	0.78888	2.87E-01	3.22E-01	4.00E-01
3269	493363.09	3847377.25	0.79929	2.91E-01	3.27E-01	4.05E-01
3270	493863.09	3847377.25	0.80927	2.94E-01	3.31E-01	4.10E-01
3271	494363.09	3847377.25	0.81878	2.98E-01	3.34E-01	4.15E-01
3272	494863.09	3847377.25	0.82777	3.01E-01	3.38E-01	4.19E-01

3273	495363.09	3847377.25	0.83624	3.04E-01	3.42E-01	4.24E-01
3274	495863.09	3847377.25	0.84415	3.07E-01	3.45E-01	4.28E-01
3275	496363.09	3847377.25	0.8515	3.10E-01	3.48E-01	4.31E-01
3276	496863.09	3847377.25	0.85829	3.12E-01	3.51E-01	4.35E-01
3277	497363.09	3847377.25	0.8645	3.14E-01	3.53E-01	4.38E-01
3278	497863.09	3847377.25	0.87016	3.16E-01	3.55E-01	4.41E-01
3279	498363.09	3847377.25	0.87525	3.18E-01	3.58E-01	4.43E-01
3280	471363.09	3847877.25	8.79511	3.20E+00	3.59E+00	4.45E+00
3281	471863.09	3847877.25	10.80727	3.93E+00	4.41E+00	5.47E+00
3282	472363.09	3847877.25	12.64407	4.60E+00	5.17E+00	6.40E+00
3283	472863.09	3847877.25	16.18226	5.88E+00	6.61E+00	8.20E+00
3284	473363.09	3847877.25	23.12784	8.41E+00	9.45E+00	1.17E+01
3285	473863.09	3847877.25	69.34375	2.52E+01	2.83E+01	3.51E+01
3286	474363.09	3847877.25	10.14969	3.69E+00	4.15E+00	5.14E+00
3287	474863.09	3847877.25	8.07237	2.93E+00	3.30E+00	4.09E+00
3288	475363.09	3847877.25	3.82843	1.39E+00	1.56E+00	1.94E+00
3289	475863.09	3847877.25	3.36088	1.22E+00	1.37E+00	1.70E+00
3290	476363.09	3847877.25	6.79633	2.47E+00	2.78E+00	3.44E+00
3291	476863.09	3847877.25	6.89222	2.51E+00	2.82E+00	3.49E+00
3292	477363.09	3847877.25	4.49234	1.63E+00	1.84E+00	2.28E+00
3293	477863.09	3847877.25	4.10065	1.49E+00	1.68E+00	2.08E+00
3294	478363.09	3847877.25	2.62137	9.53E-01	1.07E+00	1.33E+00
3295	478863.09	3847877.25	2.54443	9.25E-01	1.04E+00	1.29E+00
3296	479363.09	3847877.25	1.87496	6.82E-01	7.66E-01	9.50E-01
3297	479863.09	3847877.25	1.07695	3.92E-01	4.40E-01	5.45E-01
3298	480363.09	3847877.25	1.24972	4.54E-01	5.11E-01	6.33E-01
3299	480863.09	3847877.25	0.98542	3.58E-01	4.03E-01	4.99E-01
3300	481363.09	3847877.25	1.06756	3.88E-01	4.36E-01	5.41E-01
3301	481863.09	3847877.25	1.28528	4.67E-01	5.25E-01	6.51E-01
3302	482363.09	3847877.25	1.22381	4.45E-01	5.00E-01	6.20E-01
3303	482863.09	3847877.25	1.11319	4.05E-01	4.55E-01	5.64E-01
3304	483363.09	3847877.25	0.9464	3.44E-01	3.87E-01	4.79E-01
3305	483863.09	3847877.25	0.9427	3.43E-01	3.85E-01	4.77E-01
3306	484363.09	3847877.25	0.94885	3.45E-01	3.88E-01	4.81E-01
3307	484863.09	3847877.25	0.95689	3.48E-01	3.91E-01	4.85E-01
3308	485363.09	3847877.25	0.96652	3.51E-01	3.95E-01	4.90E-01
3309	485863.09	3847877.25	0.97738	3.55E-01	3.99E-01	4.95E-01
3310	486363.09	3847877.25	0.98908	3.60E-01	4.04E-01	5.01E-01
3311	486863.09	3847877.25	1.00126	3.64E-01	4.09E-01	5.07E-01
3312	487363.09	3847877.25	1.01357	3.68E-01	4.14E-01	5.13E-01
3313	487863.09	3847877.25	1.02573	3.73E-01	4.19E-01	5.20E-01
3314	488363.09	3847877.25	1.03749	3.77E-01	4.24E-01	5.26E-01
3315	488863.09	3847877.25	1.04864	3.81E-01	4.28E-01	5.31E-01
3316	489363.09	3847877.25	1.05904	3.85E-01	4.33E-01	5.36E-01
3317	489863.09	3847877.25	1.06859	3.88E-01	4.37E-01	5.41E-01
3318	490363.09	3847877.25	1.07719	3.92E-01	4.40E-01	5.46E-01
3319	490863.09	3847877.25	1.08483	3.94E-01	4.43E-01	5.49E-01
3320	491363.09	3847877.25	1.09147	3.97E-01	4.46E-01	5.53E-01
3321	491863.09	3847877.25	1.09713	3.99E-01	4.48E-01	5.56E-01
3322	492363.09	3847877.25	1.10182	4.01E-01	4.50E-01	5.58E-01
3323	492863.09	3847877.25	1.10558	4.02E-01	4.52E-01	5.60E-01
3324	493363.09	3847877.25	1.10844	4.03E-01	4.53E-01	5.61E-01
3325	493863.09	3847877.25	1.11046	4.04E-01	4.54E-01	5.62E-01
3326	494363.09	3847877.25	1.11168	4.04E-01	4.54E-01	5.63E-01
3327	494863.09	3847877.25	1.11215	4.04E-01	4.54E-01	5.63E-01
3328	495363.09	3847877.25	1.11193	4.04E-01	4.54E-01	5.63E-01
3329	495863.09	3847877.25	1.11107	4.04E-01	4.54E-01	5.63E-01
3330	496363.09	3847877.25	1.10961	4.03E-01	4.53E-01	5.62E-01
3331	496863.09	3847877.25	1.10761	4.03E-01	4.52E-01	5.61E-01
3332	497363.09	3847877.25	1.10512	4.02E-01	4.51E-01	5.60E-01
3333	497863.09	3847877.25	1.10217	4.01E-01	4.50E-01	5.58E-01
3334	498363.09	3847877.25	1.09881	3.99E-01	4.49E-01	5.57E-01
3335	471363.09	3848377.25	6.69269	2.43E+00	2.73E+00	3.39E+00

3336	471863.09	3848377.25	7.99041	2.90E+00	3.26E+00	4.05E+00
3337	472363.09	3848377.25	9.64129	3.51E+00	3.94E+00	4.88E+00
3338	472863.09	3848377.25	11.03314	4.01E+00	4.51E+00	5.59E+00
3339	473363.09	3848377.25	15.9787	5.81E+00	6.53E+00	8.09E+00
3340	473863.09	3848377.25	22.84241	8.30E+00	9.33E+00	1.16E+01
3341	474363.09	3848377.25	41.7536	1.52E+01	1.71E+01	2.11E+01
3342	474863.09	3848377.25	15.08673	5.48E+00	6.16E+00	7.64E+00
3343	475363.09	3848377.25	17.04144	6.20E+00	6.96E+00	8.63E+00
3344	475863.09	3848377.25	6.88282	2.50E+00	2.81E+00	3.49E+00
3345	476363.09	3848377.25	3.73198	1.36E+00	1.52E+00	1.89E+00
3346	476863.09	3848377.25	8.35885	3.04E+00	3.41E+00	4.23E+00
3347	477363.09	3848377.25	8.20006	2.98E+00	3.35E+00	4.15E+00
3348	477863.09	3848377.25	5.27212	1.92E+00	2.15E+00	2.67E+00
3349	478363.09	3848377.25	4.24115	1.54E+00	1.73E+00	2.15E+00
3350	478863.09	3848377.25	3.35559	1.22E+00	1.37E+00	1.70E+00
3351	479363.09	3848377.25	2.21682	8.06E-01	9.06E-01	1.12E+00
3352	479863.09	3848377.25	1.1317	4.11E-01	4.62E-01	5.73E-01
3353	480363.09	3848377.25	1.21615	4.42E-01	4.97E-01	6.16E-01
3354	480863.09	3848377.25	2.19152	7.97E-01	8.95E-01	1.11E+00
3355	481363.09	3848377.25	2.20578	8.02E-01	9.01E-01	1.12E+00
3356	481863.09	3848377.25	2.23713	8.13E-01	9.14E-01	1.13E+00
3357	482363.09	3848377.25	2.22695	8.10E-01	9.10E-01	1.13E+00
3358	482863.09	3848377.25	1.28585	4.67E-01	5.25E-01	6.51E-01
3359	483363.09	3848377.25	1.31192	4.77E-01	5.36E-01	6.65E-01
3360	483863.09	3848377.25	1.3348	4.85E-01	5.45E-01	6.76E-01
3361	484363.09	3848377.25	1.35415	4.92E-01	5.53E-01	6.86E-01
3362	484863.09	3848377.25	1.36992	4.98E-01	5.60E-01	6.94E-01
3363	485363.09	3848377.25	1.38222	5.03E-01	5.65E-01	7.00E-01
3364	485863.09	3848377.25	1.39128	5.06E-01	5.68E-01	7.05E-01
3365	486363.09	3848377.25	1.39739	5.08E-01	5.71E-01	7.08E-01
3366	486863.09	3848377.25	1.40088	5.09E-01	5.72E-01	7.10E-01
3367	487363.09	3848377.25	1.40204	5.10E-01	5.73E-01	7.10E-01
3368	487863.09	3848377.25	1.40119	5.09E-01	5.72E-01	7.10E-01
3369	488363.09	3848377.25	1.3986	5.08E-01	5.71E-01	7.08E-01
3370	488863.09	3848377.25	1.39453	5.07E-01	5.70E-01	7.06E-01
3371	489363.09	3848377.25	1.3892	5.05E-01	5.68E-01	7.04E-01
3372	489863.09	3848377.25	1.38282	5.03E-01	5.65E-01	7.00E-01
3373	490363.09	3848377.25	1.37555	5.00E-01	5.62E-01	6.97E-01
3374	490863.09	3848377.25	1.36755	4.97E-01	5.59E-01	6.93E-01
3375	491363.09	3848377.25	1.35895	4.94E-01	5.55E-01	6.88E-01
3376	491863.09	3848377.25	1.34987	4.91E-01	5.51E-01	6.84E-01
3377	492363.09	3848377.25	1.34039	4.87E-01	5.48E-01	6.79E-01
3378	492863.09	3848377.25	1.33062	4.84E-01	5.44E-01	6.74E-01
3379	493363.09	3848377.25	1.3206	4.80E-01	5.39E-01	6.69E-01
3380	493863.09	3848377.25	1.31041	4.76E-01	5.35E-01	6.64E-01
3381	494363.09	3848377.25	1.30009	4.73E-01	5.31E-01	6.59E-01
3382	494863.09	3848377.25	1.28969	4.69E-01	5.27E-01	6.53E-01
3383	495363.09	3848377.25	1.27924	4.65E-01	5.23E-01	6.48E-01
3384	495863.09	3848377.25	1.26878	4.61E-01	5.18E-01	6.43E-01
3385	496363.09	3848377.25	1.25832	4.57E-01	5.14E-01	6.37E-01
3386	496863.09	3848377.25	1.24789	4.54E-01	5.10E-01	6.32E-01
3387	497363.09	3848377.25	1.2375	4.50E-01	5.06E-01	6.27E-01
3388	497863.09	3848377.25	1.22717	4.46E-01	5.01E-01	6.22E-01
3389	498363.09	3848377.25	1.21691	4.42E-01	4.97E-01	6.16E-01
3390	471363.09	3848877.25	5.11568	1.86E+00	2.09E+00	2.59E+00
3391	471863.09	3848877.25	5.50923	2.00E+00	2.25E+00	2.79E+00
3392	472363.09	3848877.25	6.39711	2.33E+00	2.61E+00	3.24E+00
3393	472863.09	3848877.25	7.71599	2.81E+00	3.15E+00	3.91E+00
3394	473363.09	3848877.25	9.58688	3.49E+00	3.92E+00	4.86E+00
3395	473863.09	3848877.25	12.49709	4.54E+00	5.11E+00	6.33E+00
3396	474363.09	3848877.25	18.42166	6.70E+00	7.53E+00	9.33E+00
3397	474863.09	3848877.25	43.55617	1.58E+01	1.78E+01	2.21E+01
3398	475363.09	3848877.25	35.07715	1.28E+01	1.43E+01	1.78E+01

3399	475863.09	3848877.25	32.08139	1.17E+01	1.31E+01	1.62E+01
3400	476363.09	3848877.25	15.96024	5.80E+00	6.52E+00	8.08E+00
3401	476863.09	3848877.25	6.59741	2.40E+00	2.70E+00	3.34E+00
3402	477363.09	3848877.25	10.34605	3.76E+00	4.23E+00	5.24E+00
3403	477863.09	3848877.25	10.58497	3.85E+00	4.32E+00	5.36E+00
3404	478363.09	3848877.25	6.85766	2.49E+00	2.80E+00	3.47E+00
3405	478863.09	3848877.25	5.65276	2.06E+00	2.31E+00	2.86E+00
3406	479363.09	3848877.25	4.26794	1.55E+00	1.74E+00	2.16E+00
3407	479863.09	3848877.25	3.9085	1.42E+00	1.60E+00	1.98E+00
3408	480363.09	3848877.25	3.91326	1.42E+00	1.60E+00	1.98E+00
3409	480863.09	3848877.25	3.88708	1.41E+00	1.59E+00	1.97E+00
3410	481363.09	3848877.25	3.82143	1.39E+00	1.56E+00	1.94E+00
3411	481863.09	3848877.25	3.29267	1.20E+00	1.35E+00	1.67E+00
3412	482363.09	3848877.25	1.87567	6.82E-01	7.66E-01	9.50E-01
3413	482863.09	3848877.25	1.83936	6.69E-01	7.51E-01	9.32E-01
3414	483363.09	3848877.25	1.80657	6.57E-01	7.38E-01	9.15E-01
3415	483863.09	3848877.25	1.77439	6.45E-01	7.25E-01	8.99E-01
3416	484363.09	3848877.25	1.74321	6.34E-01	7.12E-01	8.83E-01
3417	484863.09	3848877.25	1.78689	6.50E-01	7.30E-01	9.05E-01
3418	485363.09	3848877.25	1.68488	6.13E-01	6.88E-01	8.53E-01
3419	485863.09	3848877.25	1.65717	6.02E-01	6.77E-01	8.39E-01
3420	486363.09	3848877.25	1.63108	5.93E-01	6.66E-01	8.26E-01
3421	486863.09	3848877.25	1.60623	5.84E-01	6.56E-01	8.14E-01
3422	487363.09	3848877.25	1.58254	5.75E-01	6.46E-01	8.02E-01
3423	487863.09	3848877.25	1.55994	5.67E-01	6.37E-01	7.90E-01
3424	488363.09	3848877.25	1.53835	5.59E-01	6.28E-01	7.79E-01
3425	488863.09	3848877.25	1.51771	5.52E-01	6.20E-01	7.69E-01
3426	489363.09	3848877.25	1.49793	5.45E-01	6.12E-01	7.59E-01
3427	489863.09	3848877.25	1.47897	5.38E-01	6.04E-01	7.49E-01
3428	490363.09	3848877.25	1.46074	5.31E-01	5.97E-01	7.40E-01
3429	490863.09	3848877.25	1.44321	5.25E-01	5.90E-01	7.31E-01
3430	491363.09	3848877.25	1.42631	5.19E-01	5.83E-01	7.22E-01
3431	491863.09	3848877.25	1.40999	5.13E-01	5.76E-01	7.14E-01
3432	492363.09	3848877.25	1.39423	5.07E-01	5.70E-01	7.06E-01
3433	492863.09	3848877.25	1.37897	5.01E-01	5.63E-01	6.98E-01
3434	493363.09	3848877.25	1.36417	4.96E-01	5.57E-01	6.91E-01
3435	493863.09	3848877.25	1.34982	4.91E-01	5.51E-01	6.84E-01
3436	494363.09	3848877.25	1.33587	4.86E-01	5.46E-01	6.77E-01
3437	494863.09	3848877.25	1.32229	4.81E-01	5.40E-01	6.70E-01
3438	495363.09	3848877.25	1.30906	4.76E-01	5.35E-01	6.63E-01
3439	495863.09	3848877.25	1.29616	4.71E-01	5.29E-01	6.57E-01
3440	496363.09	3848877.25	1.28354	4.67E-01	5.24E-01	6.50E-01
3441	496863.09	3848877.25	1.2712	4.62E-01	5.19E-01	6.44E-01
3442	497363.09	3848877.25	1.2591	4.58E-01	5.14E-01	6.38E-01
3443	497863.09	3848877.25	1.24723	4.53E-01	5.10E-01	6.32E-01
3444	498363.09	3848877.25	1.23555	4.49E-01	5.05E-01	6.26E-01
3445	471363.09	3849377.25	4.27831	1.56E+00	1.75E+00	2.17E+00
3446	471863.09	3849377.25	4.11879	1.50E+00	1.68E+00	2.09E+00
3447	472363.09	3849377.25	4.34821	1.58E+00	1.78E+00	2.20E+00
3448	472863.09	3849377.25	4.82189	1.75E+00	1.97E+00	2.44E+00
3449	473363.09	3849377.25	5.6833	2.07E+00	2.32E+00	2.88E+00
3450	473863.09	3849377.25	6.90667	2.51E+00	2.82E+00	3.50E+00
3451	474363.09	3849377.25	8.59245	3.12E+00	3.51E+00	4.35E+00
3452	474863.09	3849377.25	10.78025	3.92E+00	4.40E+00	5.46E+00
3453	475363.09	3849377.25	13.00752	4.73E+00	5.31E+00	6.59E+00
3454	475863.09	3849377.25	21.41762	7.79E+00	8.75E+00	1.08E+01
3455	476363.09	3849377.25	25.03704	9.10E+00	1.02E+01	1.27E+01
3456	476863.09	3849377.25	44.23719	1.61E+01	1.81E+01	2.24E+01
3457	477363.09	3849377.25	20.39389	7.41E+00	8.33E+00	1.03E+01
3458	477863.09	3849377.25	13.6648	4.97E+00	5.58E+00	6.92E+00
3459	478363.09	3849377.25	13.03331	4.74E+00	5.32E+00	6.60E+00
3460	478863.09	3849377.25	8.40253	3.05E+00	3.43E+00	4.26E+00
3461	479363.09	3849377.25	6.91627	2.51E+00	2.83E+00	3.50E+00

3462	479863.09	3849377.25	4.90559	1.78E+00	2.00E+00	2.48E+00
3463	480363.09	3849377.25	4.65099	1.69E+00	1.90E+00	2.36E+00
3464	480863.09	3849377.25	3.94599	1.43E+00	1.61E+00	2.00E+00
3465	481363.09	3849377.25	3.44006	1.25E+00	1.41E+00	1.74E+00
3466	481863.09	3849377.25	1.79764	6.54E-01	7.34E-01	9.11E-01
3467	482363.09	3849377.25	1.68007	6.11E-01	6.86E-01	8.51E-01
3468	482863.09	3849377.25	1.65551	6.02E-01	6.76E-01	8.39E-01
3469	483363.09	3849377.25	1.63229	5.93E-01	6.67E-01	8.27E-01
3470	483863.09	3849377.25	1.61033	5.85E-01	6.58E-01	8.16E-01
3471	484363.09	3849377.25	1.58953	5.78E-01	6.49E-01	8.05E-01
3472	484863.09	3849377.25	1.688	6.14E-01	6.90E-01	8.55E-01
3473	485363.09	3849377.25	1.63269	5.94E-01	6.67E-01	8.27E-01
3474	485863.09	3849377.25	1.53315	5.57E-01	6.26E-01	7.77E-01
3475	486363.09	3849377.25	1.51604	5.51E-01	6.19E-01	7.68E-01
3476	486863.09	3849377.25	1.49963	5.45E-01	6.13E-01	7.60E-01
3477	487363.09	3849377.25	1.48385	5.39E-01	6.06E-01	7.52E-01
3478	487863.09	3849377.25	1.46863	5.34E-01	6.00E-01	7.44E-01
3479	488363.09	3849377.25	1.45393	5.29E-01	5.94E-01	7.36E-01
3480	488863.09	3849377.25	1.43969	5.23E-01	5.88E-01	7.29E-01
3481	489363.09	3849377.25	1.42587	5.18E-01	5.82E-01	7.22E-01
3482	489863.09	3849377.25	1.41242	5.13E-01	5.77E-01	7.15E-01
3483	490363.09	3849377.25	1.39932	5.09E-01	5.72E-01	7.09E-01
3484	490863.09	3849377.25	1.38654	5.04E-01	5.66E-01	7.02E-01
3485	491363.09	3849377.25	1.37404	5.00E-01	5.61E-01	6.96E-01
3486	491863.09	3849377.25	1.3618	4.95E-01	5.56E-01	6.90E-01
3487	492363.09	3849377.25	1.34978	4.91E-01	5.51E-01	6.84E-01
3488	492863.09	3849377.25	1.33797	4.86E-01	5.47E-01	6.78E-01
3489	493363.09	3849377.25	1.32632	4.82E-01	5.42E-01	6.72E-01
3490	493863.09	3849377.25	1.31482	4.78E-01	5.37E-01	6.66E-01
3491	494363.09	3849377.25	1.30343	4.74E-01	5.32E-01	6.60E-01
3492	494863.09	3849377.25	1.29214	4.70E-01	5.28E-01	6.54E-01
3493	495363.09	3849377.25	1.2809	4.66E-01	5.23E-01	6.49E-01
3494	495863.09	3849377.25	1.26971	4.62E-01	5.19E-01	6.43E-01
3495	496363.09	3849377.25	1.25854	4.58E-01	5.14E-01	6.37E-01
3496	496863.09	3849377.25	1.24737	4.53E-01	5.10E-01	6.32E-01
3497	497363.09	3849377.25	1.23619	4.49E-01	5.05E-01	6.26E-01
3498	497863.09	3849377.25	1.22498	4.45E-01	5.00E-01	6.20E-01
3499	498363.09	3849377.25	1.21374	4.41E-01	4.96E-01	6.15E-01
3500	471363.09	3849877.25	3.29378	1.20E+00	1.35E+00	1.67E+00
3501	471863.09	3849877.25	4.71013	1.71E+00	1.92E+00	2.39E+00
3502	472363.09	3849877.25	4.32927	1.57E+00	1.77E+00	2.19E+00
3503	472863.09	3849877.25	4.30037	1.56E+00	1.76E+00	2.18E+00
3504	473363.09	3849877.25	4.36834	1.59E+00	1.78E+00	2.21E+00
3505	473863.09	3849877.25	4.39443	1.60E+00	1.80E+00	2.23E+00
3506	474363.09	3849877.25	4.97859	1.81E+00	2.03E+00	2.52E+00
3507	474863.09	3849877.25	5.50508	2.00E+00	2.25E+00	2.79E+00
3508	475363.09	3849877.25	6.42685	2.34E+00	2.63E+00	3.26E+00
3509	475863.09	3849877.25	9.36469	3.40E+00	3.83E+00	4.74E+00
3510	476363.09	3849877.25	10.76977	3.92E+00	4.40E+00	5.46E+00
3511	476863.09	3849877.25	11.8238	4.30E+00	4.83E+00	5.99E+00
3512	477363.09	3849877.25	21.42531	7.79E+00	8.75E+00	1.09E+01
3513	477863.09	3849877.25	46.01984	1.67E+01	1.88E+01	2.33E+01
3514	478363.09	3849877.25	19.71506	7.17E+00	8.05E+00	9.99E+00
3515	478863.09	3849877.25	17.21481	6.26E+00	7.03E+00	8.72E+00
3516	479363.09	3849877.25	10.09494	3.67E+00	4.12E+00	5.11E+00
3517	479863.09	3849877.25	7.80265	2.84E+00	3.19E+00	3.95E+00
3518	480363.09	3849877.25	6.67138	2.43E+00	2.73E+00	3.38E+00
3519	480863.09	3849877.25	5.24691	1.91E+00	2.14E+00	2.66E+00
3520	481363.09	3849877.25	4.21815	1.53E+00	1.72E+00	2.14E+00
3521	481863.09	3849877.25	1.67168	6.08E-01	6.83E-01	8.47E-01
3522	482363.09	3849877.25	1.55766	5.66E-01	6.36E-01	7.89E-01
3523	482863.09	3849877.25	1.54266	5.61E-01	6.30E-01	7.81E-01
3524	483363.09	3849877.25	1.52835	5.56E-01	6.24E-01	7.74E-01

3525	483863.09	3849877.25	1.51468	5.51E-01	6.19E-01	7.67E-01
3526	484363.09	3849877.25	1.50158	5.46E-01	6.13E-01	7.61E-01
3527	484863.09	3849877.25	2.4004	8.73E-01	9.81E-01	1.22E+00
3528	485363.09	3849877.25	2.09476	7.62E-01	8.56E-01	1.06E+00
3529	485863.09	3849877.25	1.52588	5.55E-01	6.23E-01	7.73E-01
3530	486363.09	3849877.25	1.45357	5.28E-01	5.94E-01	7.36E-01
3531	486863.09	3849877.25	1.48665	5.40E-01	6.07E-01	7.53E-01
3532	487363.09	3849877.25	1.43138	5.20E-01	5.85E-01	7.25E-01
3533	487863.09	3849877.25	1.42058	5.16E-01	5.80E-01	7.20E-01
3534	488363.09	3849877.25	1.40993	5.13E-01	5.76E-01	7.14E-01
3535	488863.09	3849877.25	1.3994	5.09E-01	5.72E-01	7.09E-01
3536	489363.09	3849877.25	1.38893	5.05E-01	5.67E-01	7.04E-01
3537	489863.09	3849877.25	1.37849	5.01E-01	5.63E-01	6.98E-01
3538	490363.09	3849877.25	1.36803	4.97E-01	5.59E-01	6.93E-01
3539	490863.09	3849877.25	1.3575	4.94E-01	5.55E-01	6.88E-01
3540	491363.09	3849877.25	1.34685	4.90E-01	5.50E-01	6.82E-01
3541	491863.09	3849877.25	1.33605	4.86E-01	5.46E-01	6.77E-01
3542	492363.09	3849877.25	1.32506	4.82E-01	5.41E-01	6.71E-01
3543	492863.09	3849877.25	1.31386	4.78E-01	5.37E-01	6.65E-01
3544	493363.09	3849877.25	1.30242	4.74E-01	5.32E-01	6.60E-01
3545	493863.09	3849877.25	1.29074	4.69E-01	5.27E-01	6.54E-01
3546	494363.09	3849877.25	1.27881	4.65E-01	5.22E-01	6.48E-01
3547	494863.09	3849877.25	1.26663	4.60E-01	5.17E-01	6.42E-01
3548	495363.09	3849877.25	1.25422	4.56E-01	5.12E-01	6.35E-01
3549	495863.09	3849877.25	1.24159	4.51E-01	5.07E-01	6.29E-01
3550	496363.09	3849877.25	1.22877	4.47E-01	5.02E-01	6.22E-01
3551	496863.09	3849877.25	1.21577	4.42E-01	4.97E-01	6.16E-01
3552	497363.09	3849877.25	1.20262	4.37E-01	4.91E-01	6.09E-01
3553	497863.09	3849877.25	1.18934	4.32E-01	4.86E-01	6.02E-01
3554	498363.09	3849877.25	1.17596	4.28E-01	4.80E-01	5.96E-01
3555	471363.09	3850377.25	1.84047	6.69E-01	7.52E-01	9.32E-01
3556	471863.09	3850377.25	2.46986	8.98E-01	1.01E+00	1.25E+00
3557	472363.09	3850377.25	3.02377	1.10E+00	1.24E+00	1.53E+00
3558	472863.09	3850377.25	3.30073	1.20E+00	1.35E+00	1.67E+00
3559	473363.09	3850377.25	3.5087	1.28E+00	1.43E+00	1.78E+00
3560	473863.09	3850377.25	3.69577	1.34E+00	1.51E+00	1.87E+00
3561	474363.09	3850377.25	4.01312	1.46E+00	1.64E+00	2.03E+00
3562	474863.09	3850377.25	4.35178	1.58E+00	1.78E+00	2.20E+00
3563	475363.09	3850377.25	4.4971	1.63E+00	1.84E+00	2.28E+00
3564	475863.09	3850377.25	5.33699	1.94E+00	2.18E+00	2.70E+00
3565	476363.09	3850377.25	6.55383	2.38E+00	2.68E+00	3.32E+00
3566	476863.09	3850377.25	7.06759	2.57E+00	2.89E+00	3.58E+00
3567	477363.09	3850377.25	8.20102	2.98E+00	3.35E+00	4.15E+00
3568	477863.09	3850377.25	11.49332	4.18E+00	4.70E+00	5.82E+00
3569	478363.09	3850377.25	22.10826	8.04E+00	9.03E+00	1.12E+01
3570	478863.09	3850377.25	51.04035	1.86E+01	2.09E+01	2.59E+01
3571	479363.09	3850377.25	23.36393	8.49E+00	9.54E+00	1.18E+01
3572	479863.09	3850377.25	16.66984	6.06E+00	6.81E+00	8.44E+00
3573	480363.09	3850377.25	9.51364	3.46E+00	3.89E+00	4.82E+00
3574	480863.09	3850377.25	7.46771	2.71E+00	3.05E+00	3.78E+00
3575	481363.09	3850377.25	5.8256	2.12E+00	2.38E+00	2.95E+00
3576	481863.09	3850377.25	5.03748	1.83E+00	2.06E+00	2.55E+00
3577	482363.09	3850377.25	3.98338	1.45E+00	1.63E+00	2.02E+00
3578	482863.09	3850377.25	2.78347	1.01E+00	1.14E+00	1.41E+00
3579	483363.09	3850377.25	2.36378	8.59E-01	9.66E-01	1.20E+00
3580	483863.09	3850377.25	2.04485	7.43E-01	8.35E-01	1.04E+00
3581	484363.09	3850377.25	2.101	7.64E-01	8.58E-01	1.06E+00
3582	484863.09	3850377.25	2.47654	9.00E-01	1.01E+00	1.25E+00
3583	485363.09	3850377.25	2.38847	8.68E-01	9.76E-01	1.21E+00
3584	485863.09	3850377.25	2.02646	7.37E-01	8.28E-01	1.03E+00
3585	486363.09	3850377.25	1.9879	7.23E-01	8.12E-01	1.01E+00
3586	486863.09	3850377.25	1.91148	6.95E-01	7.81E-01	9.68E-01
3587	487363.09	3850377.25	1.62676	5.91E-01	6.65E-01	8.24E-01

3588	487863.09	3850377.25	1.49311	5.43E-01	6.10E-01	7.56E-01
3589	488363.09	3850377.25	1.41671	5.15E-01	5.79E-01	7.18E-01
3590	488863.09	3850377.25	1.4026	5.10E-01	5.73E-01	7.10E-01
3591	489363.09	3850377.25	1.38878	5.05E-01	5.67E-01	7.03E-01
3592	489863.09	3850377.25	1.37441	5.00E-01	5.61E-01	6.96E-01
3593	490363.09	3850377.25	1.35951	4.94E-01	5.55E-01	6.89E-01
3594	490863.09	3850377.25	1.34411	4.89E-01	5.49E-01	6.81E-01
3595	491363.09	3850377.25	1.32827	4.83E-01	5.43E-01	6.73E-01
3596	491863.09	3850377.25	1.31205	4.77E-01	5.36E-01	6.65E-01
3597	492363.09	3850377.25	1.29552	4.71E-01	5.29E-01	6.56E-01
3598	492863.09	3850377.25	1.27875	4.65E-01	5.22E-01	6.48E-01
3599	493363.09	3850377.25	1.26183	4.59E-01	5.15E-01	6.39E-01
3600	493863.09	3850377.25	1.24481	4.53E-01	5.09E-01	6.31E-01
3601	494363.09	3850377.25	1.22776	4.46E-01	5.02E-01	6.22E-01
3602	494863.09	3850377.25	1.21075	4.40E-01	4.95E-01	6.13E-01
3603	495363.09	3850377.25	1.19381	4.34E-01	4.88E-01	6.05E-01
3604	495863.09	3850377.25	1.17699	4.28E-01	4.81E-01	5.96E-01
3605	496363.09	3850377.25	1.16034	4.22E-01	4.74E-01	5.88E-01
3606	496863.09	3850377.25	1.14388	4.16E-01	4.67E-01	5.79E-01
3607	497363.09	3850377.25	1.12764	4.10E-01	4.61E-01	5.71E-01
3608	497863.09	3850377.25	1.11163	4.04E-01	4.54E-01	5.63E-01
3609	498363.09	3850377.25	1.09587	3.98E-01	4.48E-01	5.55E-01
3610	471363.09	3850877.25	1.54573	5.62E-01	6.31E-01	7.83E-01
3611	471863.09	3850877.25	1.78743	6.50E-01	7.30E-01	9.05E-01
3612	472363.09	3850877.25	2.54436	9.25E-01	1.04E+00	1.29E+00
3613	472863.09	3850877.25	2.9141	1.06E+00	1.19E+00	1.48E+00
3614	473363.09	3850877.25	2.51286	9.14E-01	1.03E+00	1.27E+00
3615	473863.09	3850877.25	3.10319	1.13E+00	1.27E+00	1.57E+00
3616	474363.09	3850877.25	3.06769	1.12E+00	1.25E+00	1.55E+00
3617	474863.09	3850877.25	3.36593	1.22E+00	1.38E+00	1.70E+00
3618	475363.09	3850877.25	3.70687	1.35E+00	1.51E+00	1.88E+00
3619	475863.09	3850877.25	3.94863	1.44E+00	1.61E+00	2.00E+00
3620	476363.09	3850877.25	4.40532	1.60E+00	1.80E+00	2.23E+00
3621	476863.09	3850877.25	5.03659	1.83E+00	2.06E+00	2.55E+00
3622	477363.09	3850877.25	5.4228	1.97E+00	2.22E+00	2.75E+00
3623	477863.09	3850877.25	6.21533	2.26E+00	2.54E+00	3.15E+00
3624	478363.09	3850877.25	7.69722	2.80E+00	3.14E+00	3.90E+00
3625	478863.09	3850877.25	10.30065	3.74E+00	4.21E+00	5.22E+00
3626	479363.09	3850877.25	17.95305	6.53E+00	7.33E+00	9.09E+00
3627	479863.09	3850877.25	60.02451	2.18E+01	2.45E+01	3.04E+01
3628	480363.09	3850877.25	30.42405	1.11E+01	1.24E+01	1.54E+01
3629	480863.09	3850877.25	15.6406	5.69E+00	6.39E+00	7.92E+00
3630	481363.09	3850877.25	8.8492	3.22E+00	3.61E+00	4.48E+00
3631	481863.09	3850877.25	8.05199	2.93E+00	3.29E+00	4.08E+00
3632	482363.09	3850877.25	6.25923	2.28E+00	2.56E+00	3.17E+00
3633	482863.09	3850877.25	5.08659	1.85E+00	2.08E+00	2.58E+00
3634	483363.09	3850877.25	3.52123	1.28E+00	1.44E+00	1.78E+00
3635	483863.09	3850877.25	3.3487	1.22E+00	1.37E+00	1.70E+00
3636	484363.09	3850877.25	3.46348	1.26E+00	1.41E+00	1.75E+00
3637	484863.09	3850877.25	3.1964	1.16E+00	1.31E+00	1.62E+00
3638	485363.09	3850877.25	3.12104	1.13E+00	1.27E+00	1.58E+00
3639	485863.09	3850877.25	2.65102	9.64E-01	1.08E+00	1.34E+00
3640	486363.09	3850877.25	2.66209	9.68E-01	1.09E+00	1.35E+00
3641	486863.09	3850877.25	2.40016	8.73E-01	9.80E-01	1.22E+00
3642	487363.09	3850877.25	2.01854	7.34E-01	8.25E-01	1.02E+00
3643	487863.09	3850877.25	1.74042	6.33E-01	7.11E-01	8.82E-01
3644	488363.09	3850877.25	1.54397	5.61E-01	6.31E-01	7.82E-01
3645	488863.09	3850877.25	1.33374	4.85E-01	5.45E-01	6.76E-01
3646	489363.09	3850877.25	1.30438	4.74E-01	5.33E-01	6.61E-01
3647	489863.09	3850877.25	1.28045	4.66E-01	5.23E-01	6.49E-01
3648	490363.09	3850877.25	1.2573	4.57E-01	5.14E-01	6.37E-01
3649	490863.09	3850877.25	1.23481	4.49E-01	5.04E-01	6.25E-01
3650	491363.09	3850877.25	1.21302	4.41E-01	4.96E-01	6.14E-01

3651	491863.09	3850877.25	1.19195	4.33E-01	4.87E-01	6.04E-01
3652	492363.09	3850877.25	1.17158	4.26E-01	4.79E-01	5.93E-01
3653	492863.09	3850877.25	1.15192	4.19E-01	4.71E-01	5.83E-01
3654	493363.09	3850877.25	1.13295	4.12E-01	4.63E-01	5.74E-01
3655	493863.09	3850877.25	1.11463	4.05E-01	4.55E-01	5.65E-01
3656	494363.09	3850877.25	1.09695	3.99E-01	4.48E-01	5.56E-01
3657	494863.09	3850877.25	1.07988	3.93E-01	4.41E-01	5.47E-01
3658	495363.09	3850877.25	1.06336	3.87E-01	4.34E-01	5.39E-01
3659	495863.09	3850877.25	1.04738	3.81E-01	4.28E-01	5.31E-01
3660	496363.09	3850877.25	1.03189	3.75E-01	4.22E-01	5.23E-01
3661	496863.09	3850877.25	1.01685	3.70E-01	4.15E-01	5.15E-01
3662	497363.09	3850877.25	1.00221	3.64E-01	4.09E-01	5.08E-01
3663	497863.09	3850877.25	0.98795	3.59E-01	4.04E-01	5.00E-01
3664	498363.09	3850877.25	0.97401	3.54E-01	3.98E-01	4.93E-01
3665	471363.09	3851377.25	1.42994	5.20E-01	5.84E-01	7.24E-01
3666	471863.09	3851377.25	2.14276	7.79E-01	8.75E-01	1.09E+00
3667	472363.09	3851377.25	1.89166	6.88E-01	7.73E-01	9.58E-01
3668	472863.09	3851377.25	1.95317	7.10E-01	7.98E-01	9.89E-01
3669	473363.09	3851377.25	1.59883	5.81E-01	6.53E-01	8.10E-01
3670	473863.09	3851377.25	1.95651	7.11E-01	7.99E-01	9.91E-01
3671	474363.09	3851377.25	2.35152	8.55E-01	9.61E-01	1.19E+00
3672	474863.09	3851377.25	3.21851	1.17E+00	1.31E+00	1.63E+00
3673	475363.09	3851377.25	3.56986	1.30E+00	1.46E+00	1.81E+00
3674	475863.09	3851377.25	3.70162	1.35E+00	1.51E+00	1.87E+00
3675	476363.09	3851377.25	3.5073	1.28E+00	1.43E+00	1.78E+00
3676	476863.09	3851377.25	4.14857	1.51E+00	1.69E+00	2.10E+00
3677	477363.09	3851377.25	4.22868	1.54E+00	1.73E+00	2.14E+00
3678	477863.09	3851377.25	4.75022	1.73E+00	1.94E+00	2.41E+00
3679	478363.09	3851377.25	5.41384	1.97E+00	2.21E+00	2.74E+00
3680	478863.09	3851377.25	6.27401	2.28E+00	2.56E+00	3.18E+00
3681	479363.09	3851377.25	7.56028	2.75E+00	3.09E+00	3.83E+00
3682	479863.09	3851377.25	9.52883	3.46E+00	3.89E+00	4.83E+00
3683	480363.09	3851377.25	18.00092	6.54E+00	7.35E+00	9.12E+00
3684	480863.09	3851377.25	66.55103	2.42E+01	2.72E+01	3.37E+01
3685	481363.09	3851377.25	18.15821	6.60E+00	7.42E+00	9.20E+00
3686	481863.09	3851377.25	11.68696	4.25E+00	4.77E+00	5.92E+00
3687	482363.09	3851377.25	9.4539	3.44E+00	3.86E+00	4.79E+00
3688	482863.09	3851377.25	7.72101	2.81E+00	3.15E+00	3.91E+00
3689	483363.09	3851377.25	5.66298	2.06E+00	2.31E+00	2.87E+00
3690	483863.09	3851377.25	4.27097	1.55E+00	1.74E+00	2.16E+00
3691	484363.09	3851377.25	4.88102	1.77E+00	1.99E+00	2.47E+00
3692	484863.09	3851377.25	3.75459	1.37E+00	1.53E+00	1.90E+00
3693	485363.09	3851377.25	4.08874	1.49E+00	1.67E+00	2.07E+00
3694	485863.09	3851377.25	3.21956	1.17E+00	1.32E+00	1.63E+00
3695	486363.09	3851377.25	3.24094	1.18E+00	1.32E+00	1.64E+00
3696	486863.09	3851377.25	2.93526	1.07E+00	1.20E+00	1.49E+00
3697	487363.09	3851377.25	2.70359	9.83E-01	1.10E+00	1.37E+00
3698	487863.09	3851377.25	2.48382	9.03E-01	1.01E+00	1.26E+00
3699	488363.09	3851377.25	2.2449	8.16E-01	9.17E-01	1.14E+00
3700	488863.09	3851377.25	2.00432	7.29E-01	8.19E-01	1.02E+00
3701	489363.09	3851377.25	1.79801	6.54E-01	7.35E-01	9.11E-01
3702	489863.09	3851377.25	1.57146	5.71E-01	6.42E-01	7.96E-01
3703	490363.09	3851377.25	1.35326	4.92E-01	5.53E-01	6.85E-01
3704	490863.09	3851377.25	1.16126	4.22E-01	4.74E-01	5.88E-01
3705	491363.09	3851377.25	1.09022	3.96E-01	4.45E-01	5.52E-01
3706	491863.09	3851377.25	1.0109	3.68E-01	4.13E-01	5.12E-01
3707	492363.09	3851377.25	0.99824	3.63E-01	4.08E-01	5.06E-01
3708	492863.09	3851377.25	0.98595	3.58E-01	4.03E-01	4.99E-01
3709	493363.09	3851377.25	0.97395	3.54E-01	3.98E-01	4.93E-01
3710	493863.09	3851377.25	0.96218	3.50E-01	3.93E-01	4.87E-01
3711	494363.09	3851377.25	0.95058	3.46E-01	3.88E-01	4.81E-01
3712	494863.09	3851377.25	0.93909	3.41E-01	3.84E-01	4.76E-01
3713	495363.09	3851377.25	1.01626	3.69E-01	4.15E-01	5.15E-01

3714	495863.09	3851377.25	1.01889	3.70E-01	4.16E-01	5.16E-01
3715	496363.09	3851377.25	1.00378	3.65E-01	4.10E-01	5.08E-01
3716	496863.09	3851377.25	0.98378	3.58E-01	4.02E-01	4.98E-01
3717	497363.09	3851377.25	0.92363	3.36E-01	3.77E-01	4.68E-01
3718	497863.09	3851377.25	0.8695	3.16E-01	3.55E-01	4.40E-01
3719	498363.09	3851377.25	0.85746	3.12E-01	3.50E-01	4.34E-01
3720	471363.09	3851877.25	1.33857	4.87E-01	5.47E-01	6.78E-01
3721	471863.09	3851877.25	1.33946	4.87E-01	5.47E-01	6.78E-01
3722	472363.09	3851877.25	1.46863	5.34E-01	6.00E-01	7.44E-01
3723	472863.09	3851877.25	1.71951	6.25E-01	7.02E-01	8.71E-01
3724	473363.09	3851877.25	1.44426	5.25E-01	5.90E-01	7.32E-01
3725	473863.09	3851877.25	1.93611	7.04E-01	7.91E-01	9.81E-01
3726	474363.09	3851877.25	2.03686	7.41E-01	8.32E-01	1.03E+00
3727	474863.09	3851877.25	2.21451	8.05E-01	9.05E-01	1.12E+00
3728	475363.09	3851877.25	2.68079	9.75E-01	1.10E+00	1.36E+00
3729	475863.09	3851877.25	2.95509	1.07E+00	1.21E+00	1.50E+00
3730	476363.09	3851877.25	2.66486	9.69E-01	1.09E+00	1.35E+00
3731	476863.09	3851877.25	3.22557	1.17E+00	1.32E+00	1.63E+00
3732	477363.09	3851877.25	3.63832	1.32E+00	1.49E+00	1.84E+00
3733	477863.09	3851877.25	3.93064	1.43E+00	1.61E+00	1.99E+00
3734	478363.09	3851877.25	3.81823	1.39E+00	1.56E+00	1.93E+00
3735	478863.09	3851877.25	4.58552	1.67E+00	1.87E+00	2.32E+00
3736	479363.09	3851877.25	4.73883	1.72E+00	1.94E+00	2.40E+00
3737	479863.09	3851877.25	5.28548	1.92E+00	2.16E+00	2.68E+00
3738	480363.09	3851877.25	6.43788	2.34E+00	2.63E+00	3.26E+00
3739	480863.09	3851877.25	9.23877	3.36E+00	3.77E+00	4.68E+00
3740	481363.09	3851877.25	29.58789	1.08E+01	1.21E+01	1.50E+01
3741	481863.09	3851877.25	32.43662	1.18E+01	1.33E+01	1.64E+01
3742	482363.09	3851877.25	16.78915	6.10E+00	6.86E+00	8.50E+00
3743	482863.09	3851877.25	10.42414	3.79E+00	4.26E+00	5.28E+00
3744	483363.09	3851877.25	9.15788	3.33E+00	3.74E+00	4.64E+00
3745	483863.09	3851877.25	6.93903	2.52E+00	2.83E+00	3.51E+00
3746	484363.09	3851877.25	6.62096	2.41E+00	2.70E+00	3.35E+00
3747	484863.09	3851877.25	5.76992	2.10E+00	2.36E+00	2.92E+00
3748	485363.09	3851877.25	5.14412	1.87E+00	2.10E+00	2.61E+00
3749	485863.09	3851877.25	4.59536	1.67E+00	1.88E+00	2.33E+00
3750	486363.09	3851877.25	3.94427	1.43E+00	1.61E+00	2.00E+00
3751	486863.09	3851877.25	3.6849	1.34E+00	1.51E+00	1.87E+00
3752	487363.09	3851877.25	3.30527	1.20E+00	1.35E+00	1.67E+00
3753	487863.09	3851877.25	3.00711	1.09E+00	1.23E+00	1.52E+00
3754	488363.09	3851877.25	2.93992	1.07E+00	1.20E+00	1.49E+00
3755	488863.09	3851877.25	2.82523	1.03E+00	1.15E+00	1.43E+00
3756	489363.09	3851877.25	2.62062	9.53E-01	1.07E+00	1.33E+00
3757	489863.09	3851877.25	2.22347	8.08E-01	9.08E-01	1.13E+00
3758	490363.09	3851877.25	1.92025	6.98E-01	7.84E-01	9.73E-01
3759	490863.09	3851877.25	1.75597	6.38E-01	7.17E-01	8.89E-01
3760	491363.09	3851877.25	1.60412	5.83E-01	6.55E-01	8.13E-01
3761	491863.09	3851877.25	1.38702	5.04E-01	5.67E-01	7.03E-01
3762	492363.09	3851877.25	1.18288	4.30E-01	4.83E-01	5.99E-01
3763	492863.09	3851877.25	0.89325	3.25E-01	3.65E-01	4.52E-01
3764	493363.09	3851877.25	0.88181	3.21E-01	3.60E-01	4.47E-01
3765	493863.09	3851877.25	1.05615	3.84E-01	4.31E-01	5.35E-01
3766	494363.09	3851877.25	0.96376	3.50E-01	3.94E-01	4.88E-01
3767	494863.09	3851877.25	1.08047	3.93E-01	4.41E-01	5.47E-01
3768	495363.09	3851877.25	1.07711	3.92E-01	4.40E-01	5.46E-01
3769	495863.09	3851877.25	1.07202	3.90E-01	4.38E-01	5.43E-01
3770	496363.09	3851877.25	1.06328	3.87E-01	4.34E-01	5.39E-01
3771	496863.09	3851877.25	1.01669	3.70E-01	4.15E-01	5.15E-01
3772	497363.09	3851877.25	0.96583	3.51E-01	3.95E-01	4.89E-01
3773	497863.09	3851877.25	0.7537	2.74E-01	3.08E-01	3.82E-01
3774	498363.09	3851877.25	0.73752	2.68E-01	3.01E-01	3.74E-01
3775	471363.09	3852377.25	0.99605	3.62E-01	4.07E-01	5.05E-01
3776	471863.09	3852377.25	1.33027	4.84E-01	5.43E-01	6.74E-01

3777	472363.09	3852377.25	1.33895	4.87E-01	5.47E-01	6.78E-01
3778	472863.09	3852377.25	1.35907	4.94E-01	5.55E-01	6.88E-01
3779	473363.09	3852377.25	1.42084	5.17E-01	5.80E-01	7.20E-01
3780	473863.09	3852377.25	1.9325	7.03E-01	7.89E-01	9.79E-01
3781	474363.09	3852377.25	1.97918	7.20E-01	8.09E-01	1.00E+00
3782	474863.09	3852377.25	1.91186	6.95E-01	7.81E-01	9.68E-01
3783	475363.09	3852377.25	2.09995	7.63E-01	8.58E-01	1.06E+00
3784	475863.09	3852377.25	2.31604	8.42E-01	9.46E-01	1.17E+00
3785	476363.09	3852377.25	2.70882	9.85E-01	1.11E+00	1.37E+00
3786	476863.09	3852377.25	3.07728	1.12E+00	1.26E+00	1.56E+00
3787	477363.09	3852377.25	3.51844	1.28E+00	1.44E+00	1.78E+00
3788	477863.09	3852377.25	4.4869	1.63E+00	1.83E+00	2.27E+00
3789	478363.09	3852377.25	4.47709	1.63E+00	1.83E+00	2.27E+00
3790	478863.09	3852377.25	4.02803	1.46E+00	1.65E+00	2.04E+00
3791	479363.09	3852377.25	4.81335	1.75E+00	1.97E+00	2.44E+00
3792	479863.09	3852377.25	3.60514	1.31E+00	1.47E+00	1.83E+00
3793	480363.09	3852377.25	4.70379	1.71E+00	1.92E+00	2.38E+00
3794	480863.09	3852377.25	5.85815	2.13E+00	2.39E+00	2.97E+00
3795	481363.09	3852377.25	8.42817	3.06E+00	3.44E+00	4.27E+00
3796	481863.09	3852377.25	28.47091	1.04E+01	1.16E+01	1.44E+01
3797	482363.09	3852377.25	26.28856	9.56E+00	1.07E+01	1.33E+01
3798	482863.09	3852377.25	20.82221	7.57E+00	8.51E+00	1.05E+01
3799	483363.09	3852377.25	14.11592	5.13E+00	5.77E+00	7.15E+00
3800	483863.09	3852377.25	10.21437	3.71E+00	4.17E+00	5.17E+00
3801	484363.09	3852377.25	9.17229	3.33E+00	3.75E+00	4.65E+00
3802	484863.09	3852377.25	7.70443	2.80E+00	3.15E+00	3.90E+00
3803	485363.09	3852377.25	6.67257	2.43E+00	2.73E+00	3.38E+00
3804	485863.09	3852377.25	5.82606	2.12E+00	2.38E+00	2.95E+00
3805	486363.09	3852377.25	4.94031	1.80E+00	2.02E+00	2.50E+00
3806	486863.09	3852377.25	4.28528	1.56E+00	1.75E+00	2.17E+00
3807	487363.09	3852377.25	3.41617	1.24E+00	1.40E+00	1.73E+00
3808	487863.09	3852377.25	2.82515	1.03E+00	1.15E+00	1.43E+00
3809	488363.09	3852377.25	2.73865	9.96E-01	1.12E+00	1.39E+00
3810	488863.09	3852377.25	2.1916	7.97E-01	8.95E-01	1.11E+00
3811	489363.09	3852377.25	1.78016	6.47E-01	7.27E-01	9.02E-01
3812	489863.09	3852377.25	1.4321	5.21E-01	5.85E-01	7.25E-01
3813	490363.09	3852377.25	1.63492	5.94E-01	6.68E-01	8.28E-01
3814	490863.09	3852377.25	1.71261	6.23E-01	7.00E-01	8.67E-01
3815	491363.09	3852377.25	2.48591	9.04E-01	1.02E+00	1.26E+00
3816	491863.09	3852377.25	2.38559	8.67E-01	9.75E-01	1.21E+00
3817	492363.09	3852377.25	2.26605	8.24E-01	9.26E-01	1.15E+00
3818	492863.09	3852377.25	2.17459	7.91E-01	8.88E-01	1.10E+00
3819	493363.09	3852377.25	2.04763	7.44E-01	8.36E-01	1.04E+00
3820	493863.09	3852377.25	1.86722	6.79E-01	7.63E-01	9.46E-01
3821	494363.09	3852377.25	1.67644	6.09E-01	6.85E-01	8.49E-01
3822	494863.09	3852377.25	1.51817	5.52E-01	6.20E-01	7.69E-01
3823	495363.09	3852377.25	1.49766	5.44E-01	6.12E-01	7.59E-01
3824	495863.09	3852377.25	1.35885	4.94E-01	5.55E-01	6.88E-01
3825	496363.09	3852377.25	1.20627	4.39E-01	4.93E-01	6.11E-01
3826	496863.09	3852377.25	1.08187	3.93E-01	4.42E-01	5.48E-01
3827	497363.09	3852377.25	0.84031	3.05E-01	3.43E-01	4.26E-01
3828	497863.09	3852377.25	0.77533	2.82E-01	3.17E-01	3.93E-01
3829	498363.09	3852377.25	0.64474	2.34E-01	2.63E-01	3.27E-01
3830	471363.09	3852877.25	0.97154	3.53E-01	3.97E-01	4.92E-01
3831	471863.09	3852877.25	1.28039	4.65E-01	5.23E-01	6.49E-01
3832	472363.09	3852877.25	1.32032	4.80E-01	5.39E-01	6.69E-01
3833	472863.09	3852877.25	1.33388	4.85E-01	5.45E-01	6.76E-01
3834	473363.09	3852877.25	1.36467	4.96E-01	5.57E-01	6.91E-01
3835	473863.09	3852877.25	1.94534	7.07E-01	7.95E-01	9.85E-01
3836	474363.09	3852877.25	1.9915	7.24E-01	8.14E-01	1.01E+00
3837	474863.09	3852877.25	1.79249	6.52E-01	7.32E-01	9.08E-01
3838	475363.09	3852877.25	1.97775	7.19E-01	8.08E-01	1.00E+00
3839	475863.09	3852877.25	2.21062	8.04E-01	9.03E-01	1.12E+00

3840	476363.09	3852877.25	2.48342	9.03E-01	1.01E+00	1.26E+00
3841	476863.09	3852877.25	2.57818	9.37E-01	1.05E+00	1.31E+00
3842	477363.09	3852877.25	3.6658	1.33E+00	1.50E+00	1.86E+00
3843	477863.09	3852877.25	2.16172	7.86E-01	8.83E-01	1.09E+00
3844	478363.09	3852877.25	1.2667	4.61E-01	5.17E-01	6.42E-01
3845	478863.09	3852877.25	2.33824	8.50E-01	9.55E-01	1.18E+00
3846	479363.09	3852877.25	3.91262	1.42E+00	1.60E+00	1.98E+00
3847	479863.09	3852877.25	4.27927	1.56E+00	1.75E+00	2.17E+00
3848	480363.09	3852877.25	3.74013	1.36E+00	1.53E+00	1.89E+00
3849	480863.09	3852877.25	4.91872	1.79E+00	2.01E+00	2.49E+00
3850	481363.09	3852877.25	5.8979	2.14E+00	2.41E+00	2.99E+00
3851	481863.09	3852877.25	8.4283	3.06E+00	3.44E+00	4.27E+00
3852	482363.09	3852877.25	28.45544	1.03E+01	1.16E+01	1.44E+01
3853	482863.09	3852877.25	20.85604	7.58E+00	8.52E+00	1.06E+01
3854	483363.09	3852877.25	17.79273	6.47E+00	7.27E+00	9.01E+00
3855	483863.09	3852877.25	14.79575	5.38E+00	6.04E+00	7.49E+00
3856	484363.09	3852877.25	12.4388	4.52E+00	5.08E+00	6.30E+00
3857	484863.09	3852877.25	10.36918	3.77E+00	4.24E+00	5.25E+00
3858	485363.09	3852877.25	8.28516	3.01E+00	3.38E+00	4.20E+00
3859	485863.09	3852877.25	6.72931	2.45E+00	2.75E+00	3.41E+00
3860	486363.09	3852877.25	5.33789	1.94E+00	2.18E+00	2.70E+00
3861	486863.09	3852877.25	4.20369	1.53E+00	1.72E+00	2.13E+00
3862	487363.09	3852877.25	3.10054	1.13E+00	1.27E+00	1.57E+00
3863	487863.09	3852877.25	2.62429	9.54E-01	1.07E+00	1.33E+00
3864	488363.09	3852877.25	1.55144	5.64E-01	6.34E-01	7.86E-01
3865	488863.09	3852877.25	1.39566	5.07E-01	5.70E-01	7.07E-01
3866	489363.09	3852877.25	1.30408	4.74E-01	5.33E-01	6.61E-01
3867	489863.09	3852877.25	1.34414	4.89E-01	5.49E-01	6.81E-01
3868	490363.09	3852877.25	2.23423	8.12E-01	9.13E-01	1.13E+00
3869	490863.09	3852877.25	2.49531	9.07E-01	1.02E+00	1.26E+00
3870	491363.09	3852877.25	2.69301	9.79E-01	1.10E+00	1.36E+00
3871	491863.09	3852877.25	2.69679	9.80E-01	1.10E+00	1.37E+00
3872	492363.09	3852877.25	2.70103	9.82E-01	1.10E+00	1.37E+00
3873	492863.09	3852877.25	2.67764	9.73E-01	1.09E+00	1.36E+00
3874	493363.09	3852877.25	2.60905	9.49E-01	1.07E+00	1.32E+00
3875	493863.09	3852877.25	2.5113	9.13E-01	1.03E+00	1.27E+00
3876	494363.09	3852877.25	2.39592	8.71E-01	9.79E-01	1.21E+00
3877	494863.09	3852877.25	2.26526	8.24E-01	9.25E-01	1.15E+00
3878	495363.09	3852877.25	2.1132	7.68E-01	8.63E-01	1.07E+00
3879	495863.09	3852877.25	1.94676	7.08E-01	7.95E-01	9.86E-01
3880	496363.09	3852877.25	1.77601	6.46E-01	7.26E-01	9.00E-01
3881	496863.09	3852877.25	1.57299	5.72E-01	6.43E-01	7.97E-01
3882	497363.09	3852877.25	1.08565	3.95E-01	4.43E-01	5.50E-01
3883	497863.09	3852877.25	0.71689	2.61E-01	2.93E-01	3.63E-01
3884	498363.09	3852877.25	0.67305	2.45E-01	2.75E-01	3.41E-01
3885	471363.09	3853377.25	1.00769	3.66E-01	4.12E-01	5.10E-01
3886	471863.09	3853377.25	1.0794	3.92E-01	4.41E-01	5.47E-01
3887	472363.09	3853377.25	1.14607	4.17E-01	4.68E-01	5.80E-01
3888	472863.09	3853377.25	1.2901	4.69E-01	5.27E-01	6.53E-01
3889	473363.09	3853377.25	1.40309	5.10E-01	5.73E-01	7.11E-01
3890	473863.09	3853377.25	1.92186	6.99E-01	7.85E-01	9.73E-01
3891	474363.09	3853377.25	1.93488	7.03E-01	7.90E-01	9.80E-01
3892	474863.09	3853377.25	1.73568	6.31E-01	7.09E-01	8.79E-01
3893	475363.09	3853377.25	1.68753	6.14E-01	6.89E-01	8.55E-01
3894	475863.09	3853377.25	1.85878	6.76E-01	7.59E-01	9.41E-01
3895	476363.09	3853377.25	1.99674	7.26E-01	8.16E-01	1.01E+00
3896	476863.09	3853377.25	1.71013	6.22E-01	6.99E-01	8.66E-01
3897	477363.09	3853377.25	1.6988	6.18E-01	6.94E-01	8.60E-01
3898	477863.09	3853377.25	2.20901	8.03E-01	9.02E-01	1.12E+00
3899	478363.09	3853377.25	1.1716	4.26E-01	4.79E-01	5.93E-01
3900	478863.09	3853377.25	0.88958	3.23E-01	3.63E-01	4.51E-01
3901	479363.09	3853377.25	2.45783	8.94E-01	1.00E+00	1.24E+00
3902	479863.09	3853377.25	3.46237	1.26E+00	1.41E+00	1.75E+00

3903	480363.09	3853377.25	3.83145	1.39E+00	1.57E+00	1.94E+00
3904	480863.09	3853377.25	4.28013	1.56E+00	1.75E+00	2.17E+00
3905	481363.09	3853377.25	3.54297	1.29E+00	1.45E+00	1.79E+00
3906	481863.09	3853377.25	5.39993	1.96E+00	2.21E+00	2.74E+00
3907	482363.09	3853377.25	8.0483	2.93E+00	3.29E+00	4.08E+00
3908	482863.09	3853377.25	41.81509	1.52E+01	1.71E+01	2.12E+01
3909	483363.09	3853377.25	17.03459	6.19E+00	6.96E+00	8.63E+00
3910	483863.09	3853377.25	14.82647	5.39E+00	6.06E+00	7.51E+00
3911	484363.09	3853377.25	13.80943	5.02E+00	5.64E+00	6.99E+00
3912	484863.09	3853377.25	12.68994	4.61E+00	5.18E+00	6.43E+00
3913	485363.09	3853377.25	9.33519	3.39E+00	3.81E+00	4.73E+00
3914	485863.09	3853377.25	5.34152	1.94E+00	2.18E+00	2.71E+00
3915	486363.09	3853377.25	4.98502	1.81E+00	2.04E+00	2.52E+00
3916	486863.09	3853377.25	4.28406	1.56E+00	1.75E+00	2.17E+00
3917	487363.09	3853377.25	4.44908	1.62E+00	1.82E+00	2.25E+00
3918	487863.09	3853377.25	4.08285	1.48E+00	1.67E+00	2.07E+00
3919	488363.09	3853377.25	3.63346	1.32E+00	1.48E+00	1.84E+00
3920	488863.09	3853377.25	3.25265	1.18E+00	1.33E+00	1.65E+00
3921	489363.09	3853377.25	3.13594	1.14E+00	1.28E+00	1.59E+00
3922	489863.09	3853377.25	2.7987	1.02E+00	1.14E+00	1.42E+00
3923	490363.09	3853377.25	2.87337	1.04E+00	1.17E+00	1.46E+00
3924	490863.09	3853377.25	2.64761	9.63E-01	1.08E+00	1.34E+00
3925	491363.09	3853377.25	2.62673	9.55E-01	1.07E+00	1.33E+00
3926	491863.09	3853377.25	2.42307	8.81E-01	9.90E-01	1.23E+00
3927	492363.09	3853377.25	2.55347	9.28E-01	1.04E+00	1.29E+00
3928	492863.09	3853377.25	2.56689	9.33E-01	1.05E+00	1.30E+00
3929	493363.09	3853377.25	2.60261	9.46E-01	1.06E+00	1.32E+00
3930	493863.09	3853377.25	2.6183	9.52E-01	1.07E+00	1.33E+00
3931	494363.09	3853377.25	2.60918	9.49E-01	1.07E+00	1.32E+00
3932	494863.09	3853377.25	2.57663	9.37E-01	1.05E+00	1.31E+00
3933	495363.09	3853377.25	2.52687	9.19E-01	1.03E+00	1.28E+00
3934	495863.09	3853377.25	2.42216	8.81E-01	9.89E-01	1.23E+00
3935	496363.09	3853377.25	2.227	8.10E-01	9.10E-01	1.13E+00
3936	496863.09	3853377.25	1.59186	5.79E-01	6.50E-01	8.06E-01
3937	497363.09	3853377.25	1.07521	3.91E-01	4.39E-01	5.45E-01
3938	497863.09	3853377.25	1.01134	3.68E-01	4.13E-01	5.12E-01
3939	498363.09	3853377.25	0.94355	3.43E-01	3.85E-01	4.78E-01
3940	471363.09	3853877.25	1.00102	3.64E-01	4.09E-01	5.07E-01
3941	471863.09	3853877.25	1.06245	3.86E-01	4.34E-01	5.38E-01
3942	472363.09	3853877.25	1.11768	4.06E-01	4.57E-01	5.66E-01
3943	472863.09	3853877.25	1.13465	4.13E-01	4.64E-01	5.75E-01
3944	473363.09	3853877.25	1.49302	5.43E-01	6.10E-01	7.56E-01
3945	473863.09	3853877.25	1.90136	6.91E-01	7.77E-01	9.63E-01
3946	474363.09	3853877.25	1.89379	6.88E-01	7.74E-01	9.59E-01
3947	474863.09	3853877.25	1.70266	6.19E-01	6.96E-01	8.62E-01
3948	475363.09	3853877.25	1.60731	5.84E-01	6.57E-01	8.14E-01
3949	475863.09	3853877.25	1.37393	5.00E-01	5.61E-01	6.96E-01
3950	476363.09	3853877.25	1.16731	4.24E-01	4.77E-01	5.91E-01
3951	476863.09	3853877.25	0.86279	3.14E-01	3.52E-01	4.37E-01
3952	477363.09	3853877.25	0.86698	3.15E-01	3.54E-01	4.39E-01
3953	477863.09	3853877.25	1.41084	5.13E-01	5.76E-01	7.15E-01
3954	478363.09	3853877.25	1.17568	4.27E-01	4.80E-01	5.95E-01
3955	478863.09	3853877.25	0.87967	3.20E-01	3.59E-01	4.46E-01
3956	479363.09	3853877.25	1.12653	4.10E-01	4.60E-01	5.71E-01
3957	479863.09	3853877.25	3.10671	1.13E+00	1.27E+00	1.57E+00
3958	480363.09	3853877.25	3.03807	1.10E+00	1.24E+00	1.54E+00
3959	480863.09	3853877.25	3.27875	1.19E+00	1.34E+00	1.66E+00
3960	481363.09	3853877.25	3.55093	1.29E+00	1.45E+00	1.80E+00
3961	481863.09	3853877.25	3.33912	1.21E+00	1.36E+00	1.69E+00
3962	482363.09	3853877.25	4.56797	1.66E+00	1.87E+00	2.31E+00
3963	482863.09	3853877.25	11.08378	4.03E+00	4.53E+00	5.61E+00
3964	483363.09	3853877.25	21.66388	7.88E+00	8.85E+00	1.10E+01
3965	483863.09	3853877.25	15.02081	5.46E+00	6.14E+00	7.61E+00

3966	484363.09	3853877.25	12.14558	4.42E+00	4.96E+00	6.15E+00
3967	484863.09	3853877.25	11.32851	4.12E+00	4.63E+00	5.74E+00
3968	485363.09	3853877.25	7.50326	2.73E+00	3.07E+00	3.80E+00
3969	485863.09	3853877.25	8.32261	3.03E+00	3.40E+00	4.22E+00
3970	486363.09	3853877.25	7.04452	2.56E+00	2.88E+00	3.57E+00
3971	486863.09	3853877.25	5.72528	2.08E+00	2.34E+00	2.90E+00
3972	487363.09	3853877.25	5.55053	2.02E+00	2.27E+00	2.81E+00
3973	487863.09	3853877.25	5.68792	2.07E+00	2.32E+00	2.88E+00
3974	488363.09	3853877.25	5.41264	1.97E+00	2.21E+00	2.74E+00
3975	488863.09	3853877.25	5.17678	1.88E+00	2.11E+00	2.62E+00
3976	489363.09	3853877.25	4.54606	1.65E+00	1.86E+00	2.30E+00
3977	489863.09	3853877.25	3.70565	1.35E+00	1.51E+00	1.88E+00
3978	490363.09	3853877.25	3.73732	1.36E+00	1.53E+00	1.89E+00
3979	490863.09	3853877.25	3.57809	1.30E+00	1.46E+00	1.81E+00
3980	491363.09	3853877.25	3.4573	1.26E+00	1.41E+00	1.75E+00
3981	491863.09	3853877.25	3.23976	1.18E+00	1.32E+00	1.64E+00
3982	492363.09	3853877.25	3.1219	1.13E+00	1.28E+00	1.58E+00
3983	492863.09	3853877.25	2.97904	1.08E+00	1.22E+00	1.51E+00
3984	493363.09	3853877.25	2.66723	9.70E-01	1.09E+00	1.35E+00
3985	493863.09	3853877.25	2.51676	9.15E-01	1.03E+00	1.27E+00
3986	494363.09	3853877.25	2.44251	8.88E-01	9.98E-01	1.24E+00
3987	494863.09	3853877.25	2.37341	8.63E-01	9.70E-01	1.20E+00
3988	495363.09	3853877.25	2.40112	8.73E-01	9.81E-01	1.22E+00
3989	495863.09	3853877.25	1.98229	7.21E-01	8.10E-01	1.00E+00
3990	496363.09	3853877.25	1.57888	5.74E-01	6.45E-01	8.00E-01
3991	496863.09	3853877.25	1.23264	4.48E-01	5.04E-01	6.24E-01
3992	497363.09	3853877.25	1.2137	4.41E-01	4.96E-01	6.15E-01
3993	497863.09	3853877.25	1.19202	4.33E-01	4.87E-01	6.04E-01
3994	498363.09	3853877.25	1.16129	4.22E-01	4.74E-01	5.88E-01
3995	471363.09	3854377.25	0.98108	3.57E-01	4.01E-01	4.97E-01
3996	471863.09	3854377.25	1.05274	3.83E-01	4.30E-01	5.33E-01
3997	472363.09	3854377.25	1.09368	3.98E-01	4.47E-01	5.54E-01
3998	472863.09	3854377.25	1.08683	3.95E-01	4.44E-01	5.50E-01
3999	473363.09	3854377.25	1.56585	5.69E-01	6.40E-01	7.93E-01
4000	473863.09	3854377.25	1.93332	7.03E-01	7.90E-01	9.79E-01
4001	474363.09	3854377.25	1.86865	6.79E-01	7.63E-01	9.46E-01
4002	474863.09	3854377.25	1.6627	6.04E-01	6.79E-01	8.42E-01
4003	475363.09	3854377.25	1.52855	5.56E-01	6.24E-01	7.74E-01
4004	475863.09	3854377.25	0.82085	2.98E-01	3.35E-01	4.16E-01
4005	476363.09	3854377.25	0.8485	3.08E-01	3.47E-01	4.30E-01
4006	476863.09	3854377.25	0.85482	3.11E-01	3.49E-01	4.33E-01
4007	477363.09	3854377.25	0.85875	3.12E-01	3.51E-01	4.35E-01
4008	477863.09	3854377.25	0.86266	3.14E-01	3.52E-01	4.37E-01
4009	478363.09	3854377.25	0.88549	3.22E-01	3.62E-01	4.49E-01
4010	478863.09	3854377.25	0.8705	3.16E-01	3.56E-01	4.41E-01
4011	479363.09	3854377.25	2.14535	7.80E-01	8.76E-01	1.09E+00
4012	479863.09	3854377.25	2.5884	9.41E-01	1.06E+00	1.31E+00
4013	480363.09	3854377.25	2.80722	1.02E+00	1.15E+00	1.42E+00
4014	480863.09	3854377.25	3.27141	1.19E+00	1.34E+00	1.66E+00
4015	481363.09	3854377.25	3.323	1.21E+00	1.36E+00	1.68E+00
4016	481863.09	3854377.25	3.36451	1.22E+00	1.37E+00	1.70E+00
4017	482363.09	3854377.25	3.53222	1.28E+00	1.44E+00	1.79E+00
4018	482863.09	3854377.25	5.69778	2.07E+00	2.33E+00	2.89E+00
4019	483363.09	3854377.25	14.40239	5.24E+00	5.88E+00	7.29E+00
4020	483863.09	3854377.25	14.05181	5.11E+00	5.74E+00	7.12E+00
4021	484363.09	3854377.25	8.81743	3.21E+00	3.60E+00	4.47E+00
4022	484863.09	3854377.25	6.42642	2.34E+00	2.63E+00	3.26E+00
4023	485363.09	3854377.25	8.69634	3.16E+00	3.55E+00	4.40E+00
4024	485863.09	3854377.25	7.30948	2.66E+00	2.99E+00	3.70E+00
4025	486363.09	3854377.25	8.50431	3.09E+00	3.47E+00	4.31E+00
4026	486863.09	3854377.25	7.90071	2.87E+00	3.23E+00	4.00E+00
4027	487363.09	3854377.25	7.1321	2.59E+00	2.91E+00	3.61E+00
4028	487863.09	3854377.25	7.08976	2.58E+00	2.90E+00	3.59E+00

4029	488363.09	3854377.25	6.44723	2.34E+00	2.63E+00	3.27E+00
4030	488863.09	3854377.25	6.032	2.19E+00	2.46E+00	3.06E+00
4031	489363.09	3854377.25	5.50539	2.00E+00	2.25E+00	2.79E+00
4032	489863.09	3854377.25	5.20259	1.89E+00	2.13E+00	2.64E+00
4033	490363.09	3854377.25	4.87191	1.77E+00	1.99E+00	2.47E+00
4034	490863.09	3854377.25	3.99546	1.45E+00	1.63E+00	2.02E+00
4035	491363.09	3854377.25	3.5986	1.31E+00	1.47E+00	1.82E+00
4036	491863.09	3854377.25	3.81749	1.39E+00	1.56E+00	1.93E+00
4037	492363.09	3854377.25	3.54284	1.29E+00	1.45E+00	1.79E+00
4038	492863.09	3854377.25	3.39928	1.24E+00	1.39E+00	1.72E+00
4039	493363.09	3854377.25	3.13647	1.14E+00	1.28E+00	1.59E+00
4040	493863.09	3854377.25	2.93947	1.07E+00	1.20E+00	1.49E+00
4041	494363.09	3854377.25	2.78714	1.01E+00	1.14E+00	1.41E+00
4042	494863.09	3854377.25	2.23407	8.12E-01	9.13E-01	1.13E+00
4043	495363.09	3854377.25	1.48208	5.39E-01	6.05E-01	7.51E-01
4044	495863.09	3854377.25	1.00985	3.67E-01	4.13E-01	5.12E-01
4045	496363.09	3854377.25	1.04616	3.80E-01	4.27E-01	5.30E-01
4046	496863.09	3854377.25	1.08514	3.95E-01	4.43E-01	5.50E-01
4047	497363.09	3854377.25	1.11687	4.06E-01	4.56E-01	5.66E-01
4048	497863.09	3854377.25	1.14056	4.15E-01	4.66E-01	5.78E-01
4049	498363.09	3854377.25	1.15569	4.20E-01	4.72E-01	5.85E-01
4050	471363.09	3854877.25	1.38095	5.02E-01	5.64E-01	6.99E-01
4051	471863.09	3854877.25	1.3349	4.85E-01	5.45E-01	6.76E-01
4052	472363.09	3854877.25	1.21258	4.41E-01	4.95E-01	6.14E-01
4053	472863.09	3854877.25	1.03195	3.75E-01	4.22E-01	5.23E-01
4054	473363.09	3854877.25	1.62191	5.90E-01	6.63E-01	8.22E-01
4055	473863.09	3854877.25	1.8889	6.87E-01	7.72E-01	9.57E-01
4056	474363.09	3854877.25	1.83889	6.69E-01	7.51E-01	9.31E-01
4057	474863.09	3854877.25	1.6217	5.90E-01	6.62E-01	8.21E-01
4058	475363.09	3854877.25	0.95165	3.46E-01	3.89E-01	4.82E-01
4059	475863.09	3854877.25	0.81751	2.97E-01	3.34E-01	4.14E-01
4060	476363.09	3854877.25	0.84172	3.06E-01	3.44E-01	4.26E-01
4061	476863.09	3854877.25	0.84723	3.08E-01	3.46E-01	4.29E-01
4062	477363.09	3854877.25	0.85093	3.09E-01	3.48E-01	4.31E-01
4063	477863.09	3854877.25	0.85462	3.11E-01	3.49E-01	4.33E-01
4064	478363.09	3854877.25	1.02381	3.72E-01	4.18E-01	5.19E-01
4065	478863.09	3854877.25	2.10871	7.67E-01	8.61E-01	1.07E+00
4066	479363.09	3854877.25	2.25431	8.20E-01	9.21E-01	1.14E+00
4067	479863.09	3854877.25	2.59703	9.44E-01	1.06E+00	1.32E+00
4068	480363.09	3854877.25	2.72501	9.91E-01	1.11E+00	1.38E+00
4069	480863.09	3854877.25	2.78222	1.01E+00	1.14E+00	1.41E+00
4070	481363.09	3854877.25	3.41614	1.24E+00	1.40E+00	1.73E+00
4071	481863.09	3854877.25	3.32576	1.21E+00	1.36E+00	1.68E+00
4072	482363.09	3854877.25	2.94809	1.07E+00	1.20E+00	1.49E+00
4073	482863.09	3854877.25	3.89877	1.42E+00	1.59E+00	1.97E+00
4074	483363.09	3854877.25	5.49972	2.00E+00	2.25E+00	2.79E+00
4075	483863.09	3854877.25	10.77076	3.92E+00	4.40E+00	5.46E+00
4076	484363.09	3854877.25	10.81544	3.93E+00	4.42E+00	5.48E+00
4077	484863.09	3854877.25	9.52093	3.46E+00	3.89E+00	4.82E+00
4078	485363.09	3854877.25	8.92175	3.24E+00	3.64E+00	4.52E+00
4079	485863.09	3854877.25	8.64818	3.14E+00	3.53E+00	4.38E+00
4080	486363.09	3854877.25	8.84194	3.21E+00	3.61E+00	4.48E+00
4081	486863.09	3854877.25	8.15715	2.97E+00	3.33E+00	4.13E+00
4082	487363.09	3854877.25	8.62972	3.14E+00	3.53E+00	4.37E+00
4083	487863.09	3854877.25	8.20444	2.98E+00	3.35E+00	4.16E+00
4084	488363.09	3854877.25	7.10485	2.58E+00	2.90E+00	3.60E+00
4085	488863.09	3854877.25	6.30326	2.29E+00	2.57E+00	3.19E+00
4086	489363.09	3854877.25	5.68639	2.07E+00	2.32E+00	2.88E+00
4087	489863.09	3854877.25	5.44815	1.98E+00	2.23E+00	2.76E+00
4088	490363.09	3854877.25	4.90611	1.78E+00	2.00E+00	2.49E+00
4089	490863.09	3854877.25	2.93158	1.07E+00	1.20E+00	1.48E+00
4090	491363.09	3854877.25	3.58345	1.30E+00	1.46E+00	1.82E+00
4091	491863.09	3854877.25	4.28055	1.56E+00	1.75E+00	2.17E+00

4092	492363.09	3854877.25	3.51214	1.28E+00	1.43E+00	1.78E+00
4093	492863.09	3854877.25	3.57657	1.30E+00	1.46E+00	1.81E+00
4094	493363.09	3854877.25	3.5018	1.27E+00	1.43E+00	1.77E+00
4095	493863.09	3854877.25	3.26864	1.19E+00	1.34E+00	1.66E+00
4096	494363.09	3854877.25	2.59771	9.44E-01	1.06E+00	1.32E+00
4097	494863.09	3854877.25	1.48937	5.41E-01	6.08E-01	7.54E-01
4098	495363.09	3854877.25	1.20352	4.38E-01	4.92E-01	6.10E-01
4099	495863.09	3854877.25	0.79116	2.88E-01	3.23E-01	4.01E-01
4100	496363.09	3854877.25	0.77886	2.83E-01	3.18E-01	3.95E-01
4101	496863.09	3854877.25	0.82564	3.00E-01	3.37E-01	4.18E-01
4102	497363.09	3854877.25	0.87284	3.17E-01	3.57E-01	4.42E-01
4103	497863.09	3854877.25	0.91883	3.34E-01	3.75E-01	4.65E-01
4104	498363.09	3854877.25	0.96204	3.50E-01	3.93E-01	4.87E-01
4105	471363.09	3855377.25	1.00696	3.66E-01	4.11E-01	5.10E-01
4106	471863.09	3855377.25	1.19361	4.34E-01	4.88E-01	6.05E-01
4107	472363.09	3855377.25	1.35534	4.93E-01	5.54E-01	6.86E-01
4108	472863.09	3855377.25	1.46512	5.33E-01	5.99E-01	7.42E-01
4109	473363.09	3855377.25	1.66982	6.07E-01	6.82E-01	8.46E-01
4110	473863.09	3855377.25	1.88575	6.86E-01	7.70E-01	9.55E-01
4111	474363.09	3855377.25	1.81002	6.58E-01	7.39E-01	9.17E-01
4112	474863.09	3855377.25	1.60704	5.84E-01	6.56E-01	8.14E-01
4113	475363.09	3855377.25	0.7967	2.90E-01	3.25E-01	4.04E-01
4114	475863.09	3855377.25	0.81412	2.96E-01	3.33E-01	4.12E-01
4115	476363.09	3855377.25	0.83505	3.04E-01	3.41E-01	4.23E-01
4116	476863.09	3855377.25	0.83994	3.05E-01	3.43E-01	4.25E-01
4117	477363.09	3855377.25	0.84346	3.07E-01	3.45E-01	4.27E-01
4118	477863.09	3855377.25	0.84696	3.08E-01	3.46E-01	4.29E-01
4119	478363.09	3855377.25	0.95999	3.49E-01	3.92E-01	4.86E-01
4120	478863.09	3855377.25	2.1525	7.83E-01	8.79E-01	1.09E+00
4121	479363.09	3855377.25	2.42004	8.80E-01	9.89E-01	1.23E+00
4122	479863.09	3855377.25	2.23532	8.13E-01	9.13E-01	1.13E+00
4123	480363.09	3855377.25	2.30772	8.39E-01	9.43E-01	1.17E+00
4124	480863.09	3855377.25	2.60391	9.47E-01	1.06E+00	1.32E+00
4125	481363.09	3855377.25	3.39967	1.24E+00	1.39E+00	1.72E+00
4126	481863.09	3855377.25	3.536	1.29E+00	1.44E+00	1.79E+00
4127	482363.09	3855377.25	3.06708	1.12E+00	1.25E+00	1.55E+00
4128	482863.09	3855377.25	3.17611	1.15E+00	1.30E+00	1.61E+00
4129	483363.09	3855377.25	3.84651	1.40E+00	1.57E+00	1.95E+00
4130	483863.09	3855377.25	5.45352	1.98E+00	2.23E+00	2.76E+00
4131	484363.09	3855377.25	8.89378	3.23E+00	3.63E+00	4.50E+00
4132	484863.09	3855377.25	9.10466	3.31E+00	3.72E+00	4.61E+00
4133	485363.09	3855377.25	9.03213	3.28E+00	3.69E+00	4.57E+00
4134	485863.09	3855377.25	8.73301	3.17E+00	3.57E+00	4.42E+00
4135	486363.09	3855377.25	8.3025	3.02E+00	3.39E+00	4.21E+00
4136	486863.09	3855377.25	7.83971	2.85E+00	3.20E+00	3.97E+00
4137	487363.09	3855377.25	8.57888	3.12E+00	3.50E+00	4.35E+00
4138	487863.09	3855377.25	7.82241	2.84E+00	3.20E+00	3.96E+00
4139	488363.09	3855377.25	7.41438	2.70E+00	3.03E+00	3.76E+00
4140	488863.09	3855377.25	6.71151	2.44E+00	2.74E+00	3.40E+00
4141	489363.09	3855377.25	5.88664	2.14E+00	2.40E+00	2.98E+00
4142	489863.09	3855377.25	5.4705	1.99E+00	2.23E+00	2.77E+00
4143	490363.09	3855377.25	4.85306	1.76E+00	1.98E+00	2.46E+00
4144	490863.09	3855377.25	4.72325	1.72E+00	1.93E+00	2.39E+00
4145	491363.09	3855377.25	3.94945	1.44E+00	1.61E+00	2.00E+00
4146	491863.09	3855377.25	4.29849	1.56E+00	1.76E+00	2.18E+00
4147	492363.09	3855377.25	4.07762	1.48E+00	1.67E+00	2.07E+00
4148	492863.09	3855377.25	3.94254	1.43E+00	1.61E+00	2.00E+00
4149	493363.09	3855377.25	3.87272	1.41E+00	1.58E+00	1.96E+00
4150	493863.09	3855377.25	3.15866	1.15E+00	1.29E+00	1.60E+00
4151	494363.09	3855377.25	1.79483	6.53E-01	7.33E-01	9.09E-01
4152	494863.09	3855377.25	1.10675	4.02E-01	4.52E-01	5.61E-01
4153	495363.09	3855377.25	0.64714	2.35E-01	2.64E-01	3.28E-01
4154	495863.09	3855377.25	0.6619	2.41E-01	2.70E-01	3.35E-01

4155	496363.09	3855377.25	0.65594	2.38E-01	2.68E-01	3.32E-01
4156	496863.09	3855377.25	0.63082	2.29E-01	2.58E-01	3.20E-01
4157	497363.09	3855377.25	0.64068	2.33E-01	2.62E-01	3.25E-01
4158	497863.09	3855377.25	0.67887	2.47E-01	2.77E-01	3.44E-01
4159	498363.09	3855377.25	0.71919	2.61E-01	2.94E-01	3.64E-01
4160	471363.09	3855877.25	0.96094	3.49E-01	3.93E-01	4.87E-01
4161	471863.09	3855877.25	0.91717	3.33E-01	3.75E-01	4.65E-01
4162	472363.09	3855877.25	0.99098	3.60E-01	4.05E-01	5.02E-01
4163	472863.09	3855877.25	0.97301	3.54E-01	3.97E-01	4.93E-01
4164	473363.09	3855877.25	1.70826	6.21E-01	6.98E-01	8.65E-01
4165	473863.09	3855877.25	1.88509	6.85E-01	7.70E-01	9.55E-01
4166	474363.09	3855877.25	1.78531	6.49E-01	7.29E-01	9.04E-01
4167	474863.09	3855877.25	1.58435	5.76E-01	6.47E-01	8.02E-01
4168	475363.09	3855877.25	1.62095	5.89E-01	6.62E-01	8.21E-01
4169	475863.09	3855877.25	1.55192	5.64E-01	6.34E-01	7.86E-01
4170	476363.09	3855877.25	1.3679	4.97E-01	5.59E-01	6.93E-01
4171	476863.09	3855877.25	1.09472	3.98E-01	4.47E-01	5.54E-01
4172	477363.09	3855877.25	0.83629	3.04E-01	3.42E-01	4.24E-01
4173	477863.09	3855877.25	0.88825	3.23E-01	3.63E-01	4.50E-01
4174	478363.09	3855877.25	1.21583	4.42E-01	4.97E-01	6.16E-01
4175	478863.09	3855877.25	1.61799	5.88E-01	6.61E-01	8.20E-01
4176	479363.09	3855877.25	2.77632	1.01E+00	1.13E+00	1.41E+00
4177	479863.09	3855877.25	2.25273	8.19E-01	9.20E-01	1.14E+00
4178	480363.09	3855877.25	1.96851	7.16E-01	8.04E-01	9.97E-01
4179	480863.09	3855877.25	2.58396	9.39E-01	1.06E+00	1.31E+00
4180	481363.09	3855877.25	3.12357	1.14E+00	1.28E+00	1.58E+00
4181	481863.09	3855877.25	3.74817	1.36E+00	1.53E+00	1.90E+00
4182	482363.09	3855877.25	2.908	1.06E+00	1.19E+00	1.47E+00
4183	482863.09	3855877.25	3.10298	1.13E+00	1.27E+00	1.57E+00
4184	483363.09	3855877.25	3.40275	1.24E+00	1.39E+00	1.72E+00
4185	483863.09	3855877.25	3.63948	1.32E+00	1.49E+00	1.84E+00
4186	484363.09	3855877.25	4.947	1.80E+00	2.02E+00	2.51E+00
4187	484863.09	3855877.25	5.36122	1.95E+00	2.19E+00	2.72E+00
4188	485363.09	3855877.25	6.06509	2.20E+00	2.48E+00	3.07E+00
4189	485863.09	3855877.25	6.88975	2.50E+00	2.81E+00	3.49E+00
4190	486363.09	3855877.25	7.4054	2.69E+00	3.03E+00	3.75E+00
4191	486863.09	3855877.25	7.0689	2.57E+00	2.89E+00	3.58E+00
4192	487363.09	3855877.25	6.84656	2.49E+00	2.80E+00	3.47E+00
4193	487863.09	3855877.25	6.76424	2.46E+00	2.76E+00	3.43E+00
4194	488363.09	3855877.25	6.62919	2.41E+00	2.71E+00	3.36E+00
4195	488863.09	3855877.25	5.99904	2.18E+00	2.45E+00	3.04E+00
4196	489363.09	3855877.25	5.69756	2.07E+00	2.33E+00	2.89E+00
4197	489863.09	3855877.25	5.24671	1.91E+00	2.14E+00	2.66E+00
4198	490363.09	3855877.25	4.69138	1.71E+00	1.92E+00	2.38E+00
4199	490863.09	3855877.25	4.5543	1.66E+00	1.86E+00	2.31E+00
4200	491363.09	3855877.25	4.76552	1.73E+00	1.95E+00	2.41E+00
4201	491863.09	3855877.25	4.04856	1.47E+00	1.65E+00	2.05E+00
4202	492363.09	3855877.25	4.06366	1.48E+00	1.66E+00	2.06E+00
4203	492863.09	3855877.25	4.12107	1.50E+00	1.68E+00	2.09E+00
4204	493363.09	3855877.25	3.86488	1.41E+00	1.58E+00	1.96E+00
4205	493863.09	3855877.25	2.6874	9.77E-01	1.10E+00	1.36E+00
4206	494363.09	3855877.25	1.09296	3.97E-01	4.46E-01	5.54E-01
4207	494863.09	3855877.25	0.69695	2.53E-01	2.85E-01	3.53E-01
4208	495363.09	3855877.25	0.5823	2.12E-01	2.38E-01	2.95E-01
4209	495863.09	3855877.25	0.56721	2.06E-01	2.32E-01	2.87E-01
4210	496363.09	3855877.25	0.59488	2.16E-01	2.43E-01	3.01E-01
4211	496863.09	3855877.25	0.62061	2.26E-01	2.54E-01	3.14E-01
4212	497363.09	3855877.25	0.63345	2.30E-01	2.59E-01	3.21E-01
4213	497863.09	3855877.25	0.65109	2.37E-01	2.66E-01	3.30E-01
4214	498363.09	3855877.25	0.72326	2.63E-01	2.95E-01	3.66E-01
4215	471363.09	3856377.25	0.90124	3.28E-01	3.68E-01	4.56E-01
4216	471863.09	3856377.25	0.88466	3.22E-01	3.61E-01	4.48E-01
4217	472363.09	3856377.25	0.91637	3.33E-01	3.74E-01	4.64E-01

4218	472863.09	3856377.25	1.05752	3.84E-01	4.32E-01	5.36E-01
4219	473363.09	3856377.25	1.73279	6.30E-01	7.08E-01	8.78E-01
4220	473863.09	3856377.25	1.88206	6.84E-01	7.69E-01	9.53E-01
4221	474363.09	3856377.25	1.74115	6.33E-01	7.11E-01	8.82E-01
4222	474863.09	3856377.25	1.58495	5.76E-01	6.47E-01	8.03E-01
4223	475363.09	3856377.25	1.44716	5.26E-01	5.91E-01	7.33E-01
4224	475863.09	3856377.25	1.31431	4.78E-01	5.37E-01	6.66E-01
4225	476363.09	3856377.25	1.5472	5.62E-01	6.32E-01	7.84E-01
4226	476863.09	3856377.25	1.71578	6.24E-01	7.01E-01	8.69E-01
4227	477363.09	3856377.25	1.77504	6.45E-01	7.25E-01	8.99E-01
4228	477863.09	3856377.25	1.69188	6.15E-01	6.91E-01	8.57E-01
4229	478363.09	3856377.25	1.4623	5.32E-01	5.97E-01	7.41E-01
4230	478863.09	3856377.25	1.21144	4.40E-01	4.95E-01	6.14E-01
4231	479363.09	3856377.25	1.99691	7.26E-01	8.16E-01	1.01E+00
4232	479863.09	3856377.25	2.39843	8.72E-01	9.80E-01	1.21E+00
4233	480363.09	3856377.25	2.40554	8.75E-01	9.83E-01	1.22E+00
4234	480863.09	3856377.25	2.63686	9.59E-01	1.08E+00	1.34E+00
4235	481363.09	3856377.25	3.45398	1.26E+00	1.41E+00	1.75E+00
4236	481863.09	3856377.25	3.45702	1.26E+00	1.41E+00	1.75E+00
4237	482363.09	3856377.25	2.84856	1.04E+00	1.16E+00	1.44E+00
4238	482863.09	3856377.25	3.13972	1.14E+00	1.28E+00	1.59E+00
4239	483363.09	3856377.25	3.50108	1.27E+00	1.43E+00	1.77E+00
4240	483863.09	3856377.25	3.76423	1.37E+00	1.54E+00	1.91E+00
4241	484363.09	3856377.25	3.93255	1.43E+00	1.61E+00	1.99E+00
4242	484863.09	3856377.25	4.6559	1.69E+00	1.90E+00	2.36E+00
4243	485363.09	3856377.25	6.02005	2.19E+00	2.46E+00	3.05E+00
4244	485863.09	3856377.25	5.12099	1.86E+00	2.09E+00	2.59E+00
4245	486363.09	3856377.25	6.07895	2.21E+00	2.48E+00	3.08E+00
4246	486863.09	3856377.25	6.04435	2.20E+00	2.47E+00	3.06E+00
4247	487363.09	3856377.25	5.92681	2.15E+00	2.42E+00	3.00E+00
4248	487863.09	3856377.25	5.41572	1.97E+00	2.21E+00	2.74E+00
4249	488363.09	3856377.25	5.15331	1.87E+00	2.11E+00	2.61E+00
4250	488863.09	3856377.25	5.77668	2.10E+00	2.36E+00	2.93E+00
4251	489363.09	3856377.25	4.9414	1.80E+00	2.02E+00	2.50E+00
4252	489863.09	3856377.25	4.80871	1.75E+00	1.96E+00	2.44E+00
4253	490363.09	3856377.25	4.62202	1.68E+00	1.89E+00	2.34E+00
4254	490863.09	3856377.25	4.44908	1.62E+00	1.82E+00	2.25E+00
4255	491363.09	3856377.25	4.21223	1.53E+00	1.72E+00	2.13E+00
4256	491863.09	3856377.25	4.08704	1.49E+00	1.67E+00	2.07E+00
4257	492363.09	3856377.25	4.10674	1.49E+00	1.68E+00	2.08E+00
4258	492863.09	3856377.25	4.45026	1.62E+00	1.82E+00	2.25E+00
4259	493363.09	3856377.25	2.96931	1.08E+00	1.21E+00	1.50E+00
4260	493863.09	3856377.25	1.77341	6.45E-01	7.24E-01	8.98E-01
4261	494363.09	3856377.25	1.37595	5.00E-01	5.62E-01	6.97E-01
4262	494863.09	3856377.25	0.87154	3.17E-01	3.56E-01	4.41E-01
4263	495363.09	3856377.25	0.61495	2.24E-01	2.51E-01	3.11E-01
4264	495863.09	3856377.25	0.63075	2.29E-01	2.58E-01	3.19E-01
4265	496363.09	3856377.25	0.64157	2.33E-01	2.62E-01	3.25E-01
4266	496863.09	3856377.25	0.66127	2.40E-01	2.70E-01	3.35E-01
4267	497363.09	3856377.25	0.67935	2.47E-01	2.78E-01	3.44E-01
4268	497863.09	3856377.25	0.68093	2.48E-01	2.78E-01	3.45E-01
4269	498363.09	3856377.25	0.91511	3.33E-01	3.74E-01	4.64E-01
4270	471363.09	3856877.25	0.85676	3.11E-01	3.50E-01	4.34E-01
4271	471863.09	3856877.25	0.86053	3.13E-01	3.52E-01	4.36E-01
4272	472363.09	3856877.25	0.86811	3.16E-01	3.55E-01	4.40E-01
4273	472863.09	3856877.25	1.11506	4.05E-01	4.56E-01	5.65E-01
4274	473363.09	3856877.25	1.76477	6.42E-01	7.21E-01	8.94E-01
4275	473863.09	3856877.25	1.86368	6.78E-01	7.61E-01	9.44E-01
4276	474363.09	3856877.25	1.70767	6.21E-01	6.98E-01	8.65E-01
4277	474863.09	3856877.25	1.56671	5.70E-01	6.40E-01	7.94E-01
4278	475363.09	3856877.25	1.52309	5.54E-01	6.22E-01	7.71E-01
4279	475863.09	3856877.25	1.21204	4.41E-01	4.95E-01	6.14E-01
4280	476363.09	3856877.25	1.054	3.83E-01	4.31E-01	5.34E-01

4281	476863.09	3856877.25	1.0584	3.85E-01	4.32E-01	5.36E-01
4282	477363.09	3856877.25	1.08039	3.93E-01	4.41E-01	5.47E-01
4283	477863.09	3856877.25	1.37788	5.01E-01	5.63E-01	6.98E-01
4284	478363.09	3856877.25	1.66075	6.04E-01	6.78E-01	8.41E-01
4285	478863.09	3856877.25	1.87425	6.81E-01	7.66E-01	9.49E-01
4286	479363.09	3856877.25	1.95607	7.11E-01	7.99E-01	9.91E-01
4287	479863.09	3856877.25	2.24859	8.17E-01	9.19E-01	1.14E+00
4288	480363.09	3856877.25	1.96668	7.15E-01	8.03E-01	9.96E-01
4289	480863.09	3856877.25	2.39908	8.72E-01	9.80E-01	1.22E+00
4290	481363.09	3856877.25	3.2578	1.18E+00	1.33E+00	1.65E+00
4291	481863.09	3856877.25	3.65333	1.33E+00	1.49E+00	1.85E+00
4292	482363.09	3856877.25	3.02535	1.10E+00	1.24E+00	1.53E+00
4293	482863.09	3856877.25	2.84428	1.03E+00	1.16E+00	1.44E+00
4294	483363.09	3856877.25	3.44381	1.25E+00	1.41E+00	1.74E+00
4295	483863.09	3856877.25	3.68545	1.34E+00	1.51E+00	1.87E+00
4296	484363.09	3856877.25	4.37471	1.59E+00	1.79E+00	2.22E+00
4297	484863.09	3856877.25	4.73117	1.72E+00	1.93E+00	2.40E+00
4298	485363.09	3856877.25	5.34992	1.94E+00	2.19E+00	2.71E+00
4299	485863.09	3856877.25	7.24026	2.63E+00	2.96E+00	3.67E+00
4300	486363.09	3856877.25	5.47705	1.99E+00	2.24E+00	2.77E+00
4301	486863.09	3856877.25	5.71394	2.08E+00	2.33E+00	2.89E+00
4302	487363.09	3856877.25	4.88741	1.78E+00	2.00E+00	2.48E+00
4303	487863.09	3856877.25	4.3744	1.59E+00	1.79E+00	2.22E+00
4304	488363.09	3856877.25	4.16504	1.51E+00	1.70E+00	2.11E+00
4305	488863.09	3856877.25	3.93516	1.43E+00	1.61E+00	1.99E+00
4306	489363.09	3856877.25	4.56096	1.66E+00	1.86E+00	2.31E+00
4307	489863.09	3856877.25	4.58301	1.67E+00	1.87E+00	2.32E+00
4308	490363.09	3856877.25	4.21482	1.53E+00	1.72E+00	2.13E+00
4309	490863.09	3856877.25	4.34038	1.58E+00	1.77E+00	2.20E+00
4310	491363.09	3856877.25	4.20094	1.53E+00	1.72E+00	2.13E+00
4311	491863.09	3856877.25	4.25744	1.55E+00	1.74E+00	2.16E+00
4312	492363.09	3856877.25	4.71015	1.71E+00	1.92E+00	2.39E+00
4313	492863.09	3856877.25	4.51063	1.64E+00	1.84E+00	2.28E+00
4314	493363.09	3856877.25	3.57415	1.30E+00	1.46E+00	1.81E+00
4315	493863.09	3856877.25	1.3396	4.87E-01	5.47E-01	6.79E-01
4316	494363.09	3856877.25	0.654	2.38E-01	2.67E-01	3.31E-01
4317	494863.09	3856877.25	0.68039	2.47E-01	2.78E-01	3.45E-01
4318	495363.09	3856877.25	0.7624	2.77E-01	3.11E-01	3.86E-01
4319	495863.09	3856877.25	0.81468	2.96E-01	3.33E-01	4.13E-01
4320	496363.09	3856877.25	0.72553	2.64E-01	2.96E-01	3.67E-01
4321	496863.09	3856877.25	0.69046	2.51E-01	2.82E-01	3.50E-01
4322	497363.09	3856877.25	0.66235	2.41E-01	2.71E-01	3.35E-01
4323	497863.09	3856877.25	0.89005	3.24E-01	3.64E-01	4.51E-01
4324	498363.09	3856877.25	1.19278	4.34E-01	4.87E-01	6.04E-01
4325	471363.09	3857377.25	1.03541	3.76E-01	4.23E-01	5.24E-01
4326	471863.09	3857377.25	1.03706	3.77E-01	4.24E-01	5.25E-01
4327	472363.09	3857377.25	1.06666	3.88E-01	4.36E-01	5.40E-01
4328	472863.09	3857377.25	1.21374	4.41E-01	4.96E-01	6.15E-01
4329	473363.09	3857377.25	1.77343	6.45E-01	7.24E-01	8.98E-01
4330	473863.09	3857377.25	1.86033	6.76E-01	7.60E-01	9.42E-01
4331	474363.09	3857377.25	1.67732	6.10E-01	6.85E-01	8.50E-01
4332	474863.09	3857377.25	1.52152	5.53E-01	6.22E-01	7.71E-01
4333	475363.09	3857377.25	0.77485	2.82E-01	3.17E-01	3.92E-01
4334	475863.09	3857377.25	0.79837	2.90E-01	3.26E-01	4.04E-01
4335	476363.09	3857377.25	0.94289	3.43E-01	3.85E-01	4.78E-01
4336	476863.09	3857377.25	1.0183	3.70E-01	4.16E-01	5.16E-01
4337	477363.09	3857377.25	0.92207	3.35E-01	3.77E-01	4.67E-01
4338	477863.09	3857377.25	0.97947	3.56E-01	4.00E-01	4.96E-01
4339	478363.09	3857377.25	1.03057	3.75E-01	4.21E-01	5.22E-01
4340	478863.09	3857377.25	1.06253	3.86E-01	4.34E-01	5.38E-01
4341	479363.09	3857377.25	1.08932	3.96E-01	4.45E-01	5.52E-01
4342	479863.09	3857377.25	1.63102	5.93E-01	6.66E-01	8.26E-01
4343	480363.09	3857377.25	2.14889	7.81E-01	8.78E-01	1.09E+00

4344	480863.09	3857377.25	3.78596	1.38E+00	1.55E+00	1.92E+00
4345	481363.09	3857377.25	4.10352	1.49E+00	1.68E+00	2.08E+00
4346	481863.09	3857377.25	4.15199	1.51E+00	1.70E+00	2.10E+00
4347	482363.09	3857377.25	3.53289	1.28E+00	1.44E+00	1.79E+00
4348	482863.09	3857377.25	2.92322	1.06E+00	1.19E+00	1.48E+00
4349	483363.09	3857377.25	3.27631	1.19E+00	1.34E+00	1.66E+00
4350	483863.09	3857377.25	3.67066	1.33E+00	1.50E+00	1.86E+00
4351	484363.09	3857377.25	3.92325	1.43E+00	1.60E+00	1.99E+00
4352	484863.09	3857377.25	4.56382	1.66E+00	1.86E+00	2.31E+00
4353	485363.09	3857377.25	5.53484	2.01E+00	2.26E+00	2.80E+00
4354	485863.09	3857377.25	6.23605	2.27E+00	2.55E+00	3.16E+00
4355	486363.09	3857377.25	9.25478	3.36E+00	3.78E+00	4.69E+00
4356	486863.09	3857377.25	8.51105	3.09E+00	3.48E+00	4.31E+00
4357	487363.09	3857377.25	7.53626	2.74E+00	3.08E+00	3.82E+00
4358	487863.09	3857377.25	6.32904	2.30E+00	2.59E+00	3.21E+00
4359	488363.09	3857377.25	5.17125	1.88E+00	2.11E+00	2.62E+00
4360	488863.09	3857377.25	4.92552	1.79E+00	2.01E+00	2.49E+00
4361	489363.09	3857377.25	4.19831	1.53E+00	1.72E+00	2.13E+00
4362	489863.09	3857377.25	3.36886	1.22E+00	1.38E+00	1.71E+00
4363	490363.09	3857377.25	4.26633	1.55E+00	1.74E+00	2.16E+00
4364	490863.09	3857377.25	4.1758	1.52E+00	1.71E+00	2.12E+00
4365	491363.09	3857377.25	3.88777	1.41E+00	1.59E+00	1.97E+00
4366	491863.09	3857377.25	4.21251	1.53E+00	1.72E+00	2.13E+00
4367	492363.09	3857377.25	5.34853	1.94E+00	2.18E+00	2.71E+00
4368	492863.09	3857377.25	4.30515	1.57E+00	1.76E+00	2.18E+00
4369	493363.09	3857377.25	1.89402	6.89E-01	7.74E-01	9.59E-01
4370	493863.09	3857377.25	1.23866	4.50E-01	5.06E-01	6.27E-01
4371	494363.09	3857377.25	0.81944	2.98E-01	3.35E-01	4.15E-01
4372	494863.09	3857377.25	0.68465	2.49E-01	2.80E-01	3.47E-01
4373	495363.09	3857377.25	0.70276	2.55E-01	2.87E-01	3.56E-01
4374	495863.09	3857377.25	0.69988	2.54E-01	2.86E-01	3.54E-01
4375	496363.09	3857377.25	0.96002	3.49E-01	3.92E-01	4.86E-01
4376	496863.09	3857377.25	1.1303	4.11E-01	4.62E-01	5.73E-01
4377	497363.09	3857377.25	1.13527	4.13E-01	4.64E-01	5.75E-01
4378	497863.09	3857377.25	1.01884	3.70E-01	4.16E-01	5.16E-01
4379	498363.09	3857377.25	2.00774	7.30E-01	8.20E-01	1.02E+00
4380	471363.09	3857877.25	0.87337	3.18E-01	3.57E-01	4.42E-01
4381	471863.09	3857877.25	0.8531	3.10E-01	3.48E-01	4.32E-01
4382	472363.09	3857877.25	0.89768	3.26E-01	3.67E-01	4.55E-01
4383	472863.09	3857877.25	1.30694	4.75E-01	5.34E-01	6.62E-01
4384	473363.09	3857877.25	1.78897	6.50E-01	7.31E-01	9.06E-01
4385	473863.09	3857877.25	1.83738	6.68E-01	7.51E-01	9.31E-01
4386	474363.09	3857877.25	1.64272	5.97E-01	6.71E-01	8.32E-01
4387	474863.09	3857877.25	1.49165	5.42E-01	6.09E-01	7.56E-01
4388	475363.09	3857877.25	0.7715	2.80E-01	3.15E-01	3.91E-01
4389	475863.09	3857877.25	0.79388	2.89E-01	3.24E-01	4.02E-01
4390	476363.09	3857877.25	0.80355	2.92E-01	3.28E-01	4.07E-01
4391	476863.09	3857877.25	0.80691	2.93E-01	3.30E-01	4.09E-01
4392	477363.09	3857877.25	0.81309	2.96E-01	3.32E-01	4.12E-01
4393	477863.09	3857877.25	0.90182	3.28E-01	3.68E-01	4.57E-01
4394	478363.09	3857877.25	0.8157	2.97E-01	3.33E-01	4.13E-01
4395	478863.09	3857877.25	0.81857	2.98E-01	3.34E-01	4.15E-01
4396	479363.09	3857877.25	1.36979	4.98E-01	5.60E-01	6.94E-01
4397	479863.09	3857877.25	2.00529	7.29E-01	8.19E-01	1.02E+00
4398	480363.09	3857877.25	2.2323	8.12E-01	9.12E-01	1.13E+00
4399	480863.09	3857877.25	2.55196	9.28E-01	1.04E+00	1.29E+00
4400	481363.09	3857877.25	2.80957	1.02E+00	1.15E+00	1.42E+00
4401	481863.09	3857877.25	3.03383	1.10E+00	1.24E+00	1.54E+00
4402	482363.09	3857877.25	3.90557	1.42E+00	1.60E+00	1.98E+00
4403	482863.09	3857877.25	4.76942	1.73E+00	1.95E+00	2.42E+00
4404	483363.09	3857877.25	5.03266	1.83E+00	2.06E+00	2.55E+00
4405	483863.09	3857877.25	4.76712	1.73E+00	1.95E+00	2.41E+00
4406	484363.09	3857877.25	3.82979	1.39E+00	1.56E+00	1.94E+00

4407	484863.09	3857877.25	4.417	1.61E+00	1.80E+00	2.24E+00
4408	485363.09	3857877.25	5.13531	1.87E+00	2.10E+00	2.60E+00
4409	485863.09	3857877.25	6.12326	2.23E+00	2.50E+00	3.10E+00
4410	486363.09	3857877.25	7.46583	2.71E+00	3.05E+00	3.78E+00
4411	486863.09	3857877.25	9.62221	3.50E+00	3.93E+00	4.87E+00
4412	487363.09	3857877.25	11.8033	4.29E+00	4.82E+00	5.98E+00
4413	487863.09	3857877.25	10.1146	3.68E+00	4.13E+00	5.12E+00
4414	488363.09	3857877.25	7.53066	2.74E+00	3.08E+00	3.81E+00
4415	488863.09	3857877.25	6.37502	2.32E+00	2.60E+00	3.23E+00
4416	489363.09	3857877.25	5.59028	2.03E+00	2.28E+00	2.83E+00
4417	489863.09	3857877.25	4.71549	1.71E+00	1.93E+00	2.39E+00
4418	490363.09	3857877.25	3.3021	1.20E+00	1.35E+00	1.67E+00
4419	490863.09	3857877.25	3.48128	1.27E+00	1.42E+00	1.76E+00
4420	491363.09	3857877.25	4.26569	1.55E+00	1.74E+00	2.16E+00
4421	491863.09	3857877.25	4.71183	1.71E+00	1.92E+00	2.39E+00
4422	492363.09	3857877.25	4.90673	1.78E+00	2.00E+00	2.49E+00
4423	492863.09	3857877.25	3.4053	1.24E+00	1.39E+00	1.72E+00
4424	493363.09	3857877.25	2.71454	9.87E-01	1.11E+00	1.37E+00
4425	493863.09	3857877.25	1.95018	7.09E-01	7.97E-01	9.88E-01
4426	494363.09	3857877.25	1.48446	5.40E-01	6.06E-01	7.52E-01
4427	494863.09	3857877.25	1.10189	4.01E-01	4.50E-01	5.58E-01
4428	495363.09	3857877.25	0.97423	3.54E-01	3.98E-01	4.93E-01
4429	495863.09	3857877.25	0.8498	3.09E-01	3.47E-01	4.30E-01
4430	496363.09	3857877.25	1.01919	3.71E-01	4.16E-01	5.16E-01
4431	496863.09	3857877.25	1.00973	3.67E-01	4.12E-01	5.11E-01
4432	497363.09	3857877.25	1.12626	4.09E-01	4.60E-01	5.70E-01
4433	497863.09	3857877.25	1.67706	6.10E-01	6.85E-01	8.49E-01
4434	498363.09	3857877.25	2.3668	8.60E-01	9.67E-01	1.20E+00
4435	471363.09	3858377.25	1.00611	3.66E-01	4.11E-01	5.10E-01
4436	471863.09	3858377.25	1.01118	3.68E-01	4.13E-01	5.12E-01
4437	472363.09	3858377.25	1.01569	3.69E-01	4.15E-01	5.14E-01
4438	472863.09	3858377.25	1.37594	5.00E-01	5.62E-01	6.97E-01
4439	473363.09	3858377.25	1.78979	6.51E-01	7.31E-01	9.07E-01
4440	473863.09	3858377.25	1.80453	6.56E-01	7.37E-01	9.14E-01
4441	474363.09	3858377.25	1.60438	5.83E-01	6.55E-01	8.13E-01
4442	474863.09	3858377.25	1.49187	5.42E-01	6.09E-01	7.56E-01
4443	475363.09	3858377.25	0.76828	2.79E-01	3.14E-01	3.89E-01
4444	475863.09	3858377.25	0.78922	2.87E-01	3.22E-01	4.00E-01
4445	476363.09	3858377.25	0.7976	2.90E-01	3.26E-01	4.04E-01
4446	476863.09	3858377.25	0.80081	2.91E-01	3.27E-01	4.06E-01
4447	477363.09	3858377.25	0.8037	2.92E-01	3.28E-01	4.07E-01
4448	477863.09	3858377.25	0.8718	3.17E-01	3.56E-01	4.42E-01
4449	478363.09	3858377.25	0.92453	3.36E-01	3.78E-01	4.68E-01
4450	478863.09	3858377.25	0.81222	2.95E-01	3.32E-01	4.11E-01
4451	479363.09	3858377.25	1.31296	4.77E-01	5.36E-01	6.65E-01
4452	479863.09	3858377.25	2.00939	7.31E-01	8.21E-01	1.02E+00
4453	480363.09	3858377.25	2.37393	8.63E-01	9.70E-01	1.20E+00
4454	480863.09	3858377.25	2.47644	9.00E-01	1.01E+00	1.25E+00
4455	481363.09	3858377.25	2.58272	9.39E-01	1.06E+00	1.31E+00
4456	481863.09	3858377.25	2.62704	9.55E-01	1.07E+00	1.33E+00
4457	482363.09	3858377.25	2.82389	1.03E+00	1.15E+00	1.43E+00
4458	482863.09	3858377.25	3.18576	1.16E+00	1.30E+00	1.61E+00
4459	483363.09	3858377.25	2.7758	1.01E+00	1.13E+00	1.41E+00
4460	483863.09	3858377.25	3.2952	1.20E+00	1.35E+00	1.67E+00
4461	484363.09	3858377.25	4.28238	1.56E+00	1.75E+00	2.17E+00
4462	484863.09	3858377.25	5.14518	1.87E+00	2.10E+00	2.61E+00
4463	485363.09	3858377.25	5.54324	2.02E+00	2.26E+00	2.81E+00
4464	485863.09	3858377.25	5.27238	1.92E+00	2.15E+00	2.67E+00
4465	486363.09	3858377.25	6.42508	2.34E+00	2.62E+00	3.25E+00
4466	486863.09	3858377.25	8.18468	2.98E+00	3.34E+00	4.15E+00
4467	487363.09	3858377.25	10.79534	3.92E+00	4.41E+00	5.47E+00
4468	487863.09	3858377.25	16.99602	6.18E+00	6.94E+00	8.61E+00
4469	488363.09	3858377.25	14.69717	5.34E+00	6.00E+00	7.44E+00

4470	488863.09	3858377.25	8.48507	3.08E+00	3.47E+00	4.30E+00
4471	489363.09	3858377.25	8.09802	2.94E+00	3.31E+00	4.10E+00
4472	489863.09	3858377.25	6.40056	2.33E+00	2.61E+00	3.24E+00
4473	490363.09	3858377.25	3.93689	1.43E+00	1.61E+00	1.99E+00
4474	490863.09	3858377.25	3.34913	1.22E+00	1.37E+00	1.70E+00
4475	491363.09	3858377.25	3.2365	1.18E+00	1.32E+00	1.64E+00
4476	491863.09	3858377.25	4.45108	1.62E+00	1.82E+00	2.25E+00
4477	492363.09	3858377.25	4.42964	1.61E+00	1.81E+00	2.24E+00
4478	492863.09	3858377.25	4.37007	1.59E+00	1.79E+00	2.21E+00
4479	493363.09	3858377.25	4.02457	1.46E+00	1.64E+00	2.04E+00
4480	493863.09	3858377.25	3.58524	1.30E+00	1.46E+00	1.82E+00
4481	494363.09	3858377.25	3.2848	1.19E+00	1.34E+00	1.66E+00
4482	494863.09	3858377.25	2.67206	9.71E-01	1.09E+00	1.35E+00
4483	495363.09	3858377.25	1.8936	6.88E-01	7.74E-01	9.59E-01
4484	495863.09	3858377.25	1.85166	6.73E-01	7.56E-01	9.38E-01
4485	496363.09	3858377.25	1.91932	6.98E-01	7.84E-01	9.72E-01
4486	496863.09	3858377.25	2.26178	8.22E-01	9.24E-01	1.15E+00
4487	497363.09	3858377.25	2.14244	7.79E-01	8.75E-01	1.09E+00
4488	497863.09	3858377.25	2.54395	9.25E-01	1.04E+00	1.29E+00
4489	498363.09	3858377.25	2.96245	1.08E+00	1.21E+00	1.50E+00
4490	471363.09	3858877.25	0.93866	3.41E-01	3.83E-01	4.75E-01
4491	471863.09	3858877.25	0.9202	3.35E-01	3.76E-01	4.66E-01
4492	472363.09	3858877.25	0.98134	3.57E-01	4.01E-01	4.97E-01
4493	472863.09	3858877.25	1.44389	5.25E-01	5.90E-01	7.31E-01
4494	473363.09	3858877.25	1.73795	6.32E-01	7.10E-01	8.80E-01
4495	473863.09	3858877.25	1.78918	6.50E-01	7.31E-01	9.06E-01
4496	474363.09	3858877.25	1.59948	5.81E-01	6.53E-01	8.10E-01
4497	474863.09	3858877.25	0.75294	2.74E-01	3.08E-01	3.81E-01
4498	475363.09	3858877.25	0.76511	2.78E-01	3.13E-01	3.88E-01
4499	475863.09	3858877.25	0.78443	2.85E-01	3.20E-01	3.97E-01
4500	476363.09	3858877.25	0.79175	2.88E-01	3.23E-01	4.01E-01
4501	476863.09	3858877.25	0.79484	2.89E-01	3.25E-01	4.03E-01
4502	477363.09	3858877.25	0.79766	2.90E-01	3.26E-01	4.04E-01
4503	477863.09	3858877.25	0.80047	2.91E-01	3.27E-01	4.05E-01
4504	478363.09	3858877.25	1.18939	4.32E-01	4.86E-01	6.02E-01
4505	478863.09	3858877.25	1.07178	3.90E-01	4.38E-01	5.43E-01
4506	479363.09	3858877.25	0.95031	3.45E-01	3.88E-01	4.81E-01
4507	479863.09	3858877.25	1.87333	6.81E-01	7.65E-01	9.49E-01
4508	480363.09	3858877.25	2.10805	7.66E-01	8.61E-01	1.07E+00
4509	480863.09	3858877.25	2.2522	8.19E-01	9.20E-01	1.14E+00
4510	481363.09	3858877.25	2.3489	8.54E-01	9.60E-01	1.19E+00
4511	481863.09	3858877.25	2.45505	8.93E-01	1.00E+00	1.24E+00
4512	482363.09	3858877.25	2.61314	9.50E-01	1.07E+00	1.32E+00
4513	482863.09	3858877.25	2.92619	1.06E+00	1.20E+00	1.48E+00
4514	483363.09	3858877.25	2.507	9.11E-01	1.02E+00	1.27E+00
4515	483863.09	3858877.25	2.73956	9.96E-01	1.12E+00	1.39E+00
4516	484363.09	3858877.25	3.11091	1.13E+00	1.27E+00	1.58E+00
4517	484863.09	3858877.25	3.51033	1.28E+00	1.43E+00	1.78E+00
4518	485363.09	3858877.25	3.92407	1.43E+00	1.60E+00	1.99E+00
4519	485863.09	3858877.25	4.37679	1.59E+00	1.79E+00	2.22E+00
4520	486363.09	3858877.25	4.90427	1.78E+00	2.00E+00	2.48E+00
4521	486863.09	3858877.25	6.07187	2.21E+00	2.48E+00	3.08E+00
4522	487363.09	3858877.25	7.66018	2.78E+00	3.13E+00	3.88E+00
4523	487863.09	3858877.25	10.32971	3.76E+00	4.22E+00	5.23E+00
4524	488363.09	3858877.25	17.70262	6.44E+00	7.23E+00	8.97E+00
4525	488863.09	3858877.25	55.39584	2.01E+01	2.26E+01	2.81E+01
4526	489363.09	3858877.25	13.61251	4.95E+00	5.56E+00	6.89E+00
4527	489863.09	3858877.25	11.29361	4.11E+00	4.61E+00	5.72E+00
4528	490363.09	3858877.25	6.61941	2.41E+00	2.70E+00	3.35E+00
4529	490863.09	3858877.25	3.04657	1.11E+00	1.24E+00	1.54E+00
4530	491363.09	3858877.25	4.14495	1.51E+00	1.69E+00	2.10E+00
4531	491863.09	3858877.25	4.3872	1.59E+00	1.79E+00	2.22E+00
4532	492363.09	3858877.25	4.14943	1.51E+00	1.70E+00	2.10E+00

4533	492863.09	3858877.25	3.92676	1.43E+00	1.60E+00	1.99E+00
4534	493363.09	3858877.25	4.56365	1.66E+00	1.86E+00	2.31E+00
4535	493863.09	3858877.25	4.3681	1.59E+00	1.78E+00	2.21E+00
4536	494363.09	3858877.25	4.3452	1.58E+00	1.78E+00	2.20E+00
4537	494863.09	3858877.25	3.85347	1.40E+00	1.57E+00	1.95E+00
4538	495363.09	3858877.25	3.65155	1.33E+00	1.49E+00	1.85E+00
4539	495863.09	3858877.25	3.38839	1.23E+00	1.38E+00	1.72E+00
4540	496363.09	3858877.25	3.13603	1.14E+00	1.28E+00	1.59E+00
4541	496863.09	3858877.25	3.04023	1.11E+00	1.24E+00	1.54E+00
4542	497363.09	3858877.25	3.0231	1.10E+00	1.23E+00	1.53E+00
4543	497863.09	3858877.25	3.2659	1.19E+00	1.33E+00	1.65E+00
4544	498363.09	3858877.25	3.05848	1.11E+00	1.25E+00	1.55E+00
4545	471363.09	3859377.25	0.92099	3.35E-01	3.76E-01	4.66E-01
4546	471863.09	3859377.25	0.94197	3.42E-01	3.85E-01	4.77E-01
4547	472363.09	3859377.25	1.01079	3.67E-01	4.13E-01	5.12E-01
4548	472863.09	3859377.25	1.4366	5.22E-01	5.87E-01	7.28E-01
4549	473363.09	3859377.25	1.69408	6.16E-01	6.92E-01	8.58E-01
4550	473863.09	3859377.25	1.70574	6.20E-01	6.97E-01	8.64E-01
4551	474363.09	3859377.25	1.5837	5.76E-01	6.47E-01	8.02E-01
4552	474863.09	3859377.25	1.47521	5.36E-01	6.03E-01	7.47E-01
4553	475363.09	3859377.25	0.7619	2.77E-01	3.11E-01	3.86E-01
4554	475863.09	3859377.25	0.77955	2.83E-01	3.18E-01	3.95E-01
4555	476363.09	3859377.25	0.78599	2.86E-01	3.21E-01	3.98E-01
4556	476863.09	3859377.25	0.78898	2.87E-01	3.22E-01	4.00E-01
4557	477363.09	3859377.25	0.79175	2.88E-01	3.23E-01	4.01E-01
4558	477863.09	3859377.25	0.79451	2.89E-01	3.25E-01	4.02E-01
4559	478363.09	3859377.25	1.09627	3.99E-01	4.48E-01	5.55E-01
4560	478863.09	3859377.25	1.4735	5.36E-01	6.02E-01	7.46E-01
4561	479363.09	3859377.25	1.62152	5.90E-01	6.62E-01	8.21E-01
4562	479863.09	3859377.25	1.6948	6.16E-01	6.92E-01	8.58E-01
4563	480363.09	3859377.25	1.88288	6.85E-01	7.69E-01	9.54E-01
4564	480863.09	3859377.25	2.03583	7.40E-01	8.32E-01	1.03E+00
4565	481363.09	3859377.25	2.17544	7.91E-01	8.89E-01	1.10E+00
4566	481863.09	3859377.25	2.29779	8.35E-01	9.39E-01	1.16E+00
4567	482363.09	3859377.25	2.40841	8.76E-01	9.84E-01	1.22E+00
4568	482863.09	3859377.25	2.57743	9.37E-01	1.05E+00	1.31E+00
4569	483363.09	3859377.25	2.65189	9.64E-01	1.08E+00	1.34E+00
4570	483863.09	3859377.25	2.39962	8.72E-01	9.80E-01	1.22E+00
4571	484363.09	3859377.25	2.59043	9.42E-01	1.06E+00	1.31E+00
4572	484863.09	3859377.25	2.815	1.02E+00	1.15E+00	1.43E+00
4573	485363.09	3859377.25	3.06728	1.12E+00	1.25E+00	1.55E+00
4574	485863.09	3859377.25	3.3628	1.22E+00	1.37E+00	1.70E+00
4575	486363.09	3859377.25	3.77516	1.37E+00	1.54E+00	1.91E+00
4576	486863.09	3859377.25	4.32061	1.57E+00	1.77E+00	2.19E+00
4577	487363.09	3859377.25	5.11389	1.86E+00	2.09E+00	2.59E+00
4578	487863.09	3859377.25	6.56194	2.39E+00	2.68E+00	3.32E+00
4579	488363.09	3859377.25	8.50768	3.09E+00	3.48E+00	4.31E+00
4580	488863.09	3859377.25	12.25689	4.46E+00	5.01E+00	6.21E+00
4581	489363.09	3859377.25	23.72053	8.62E+00	9.69E+00	1.20E+01
4582	489863.09	3859377.25	31.35071	1.14E+01	1.28E+01	1.59E+01
4583	490363.09	3859377.25	18.14693	6.60E+00	7.41E+00	9.19E+00
4584	490863.09	3859377.25	5.6434	2.05E+00	2.31E+00	2.86E+00
4585	491363.09	3859377.25	3.97265	1.44E+00	1.62E+00	2.01E+00
4586	491863.09	3859377.25	3.15793	1.15E+00	1.29E+00	1.60E+00
4587	492363.09	3859377.25	3.17072	1.15E+00	1.30E+00	1.61E+00
4588	492863.09	3859377.25	3.18389	1.16E+00	1.30E+00	1.61E+00
4589	493363.09	3859377.25	3.23546	1.18E+00	1.32E+00	1.64E+00
4590	493863.09	3859377.25	3.71411	1.35E+00	1.52E+00	1.88E+00
4591	494363.09	3859377.25	4.01982	1.46E+00	1.64E+00	2.04E+00
4592	494863.09	3859377.25	4.08321	1.48E+00	1.67E+00	2.07E+00
4593	495363.09	3859377.25	4.16395	1.51E+00	1.70E+00	2.11E+00
4594	495863.09	3859377.25	3.92113	1.43E+00	1.60E+00	1.99E+00
4595	496363.09	3859377.25	3.94586	1.43E+00	1.61E+00	2.00E+00

4596	496863.09	3859377.25	3.71672	1.35E+00	1.52E+00	1.88E+00
4597	497363.09	3859377.25	3.45423	1.26E+00	1.41E+00	1.75E+00
4598	497863.09	3859377.25	3.13601	1.14E+00	1.28E+00	1.59E+00
4599	498363.09	3859377.25	2.69502	9.80E-01	1.10E+00	1.37E+00
4600	471363.09	3859877.25	0.91426	3.32E-01	3.73E-01	4.63E-01
4601	471863.09	3859877.25	0.94638	3.44E-01	3.87E-01	4.79E-01
4602	472363.09	3859877.25	0.96099	3.49E-01	3.93E-01	4.87E-01
4603	472863.09	3859877.25	1.42573	5.18E-01	5.82E-01	7.22E-01
4604	473363.09	3859877.25	1.64136	5.97E-01	6.71E-01	8.31E-01
4605	473863.09	3859877.25	1.62119	5.89E-01	6.62E-01	8.21E-01
4606	474363.09	3859877.25	1.59661	5.80E-01	6.52E-01	8.09E-01
4607	474863.09	3859877.25	1.497	5.44E-01	6.12E-01	7.58E-01
4608	475363.09	3859877.25	0.76895	2.80E-01	3.14E-01	3.89E-01
4609	475863.09	3859877.25	0.7746	2.82E-01	3.16E-01	3.92E-01
4610	476363.09	3859877.25	0.78033	2.84E-01	3.19E-01	3.95E-01
4611	476863.09	3859877.25	0.78323	2.85E-01	3.20E-01	3.97E-01
4612	477363.09	3859877.25	0.78595	2.86E-01	3.21E-01	3.98E-01
4613	477863.09	3859877.25	0.78867	2.87E-01	3.22E-01	3.99E-01
4614	478363.09	3859877.25	0.9577	3.48E-01	3.91E-01	4.85E-01
4615	478863.09	3859877.25	1.47333	5.36E-01	6.02E-01	7.46E-01
4616	479363.09	3859877.25	1.61873	5.88E-01	6.61E-01	8.20E-01
4617	479863.09	3859877.25	1.70814	6.21E-01	6.98E-01	8.65E-01
4618	480363.09	3859877.25	1.89963	6.91E-01	7.76E-01	9.62E-01
4619	480863.09	3859877.25	2.03474	7.40E-01	8.31E-01	1.03E+00
4620	481363.09	3859877.25	2.11734	7.70E-01	8.65E-01	1.07E+00
4621	481863.09	3859877.25	1.97382	7.18E-01	8.06E-01	1.00E+00
4622	482363.09	3859877.25	2.07073	7.53E-01	8.46E-01	1.05E+00
4623	482863.09	3859877.25	2.17543	7.91E-01	8.89E-01	1.10E+00
4624	483363.09	3859877.25	2.28838	8.32E-01	9.35E-01	1.16E+00
4625	483863.09	3859877.25	2.05519	7.47E-01	8.40E-01	1.04E+00
4626	484363.09	3859877.25	2.19158	7.97E-01	8.95E-01	1.11E+00
4627	484863.09	3859877.25	2.34315	8.52E-01	9.57E-01	1.19E+00
4628	485363.09	3859877.25	2.51589	9.15E-01	1.03E+00	1.27E+00
4629	485863.09	3859877.25	2.70883	9.85E-01	1.11E+00	1.37E+00
4630	486363.09	3859877.25	2.96167	1.08E+00	1.21E+00	1.50E+00
4631	486863.09	3859877.25	3.3301	1.21E+00	1.36E+00	1.69E+00
4632	487363.09	3859877.25	3.67585	1.34E+00	1.50E+00	1.86E+00
4633	487863.09	3859877.25	4.42109	1.61E+00	1.81E+00	2.24E+00
4634	488363.09	3859877.25	5.19364	1.89E+00	2.12E+00	2.63E+00
4635	488863.09	3859877.25	6.61218	2.40E+00	2.70E+00	3.35E+00
4636	489363.09	3859877.25	8.4774	3.08E+00	3.46E+00	4.29E+00
4637	489863.09	3859877.25	11.15741	4.06E+00	4.56E+00	5.65E+00
4638	490363.09	3859877.25	19.94058	7.25E+00	8.15E+00	1.01E+01
4639	490863.09	3859877.25	60.35772	2.19E+01	2.47E+01	3.06E+01
4640	491363.09	3859877.25	16.9549	6.16E+00	6.93E+00	8.59E+00
4641	491863.09	3859877.25	11.76981	4.28E+00	4.81E+00	5.96E+00
4642	492363.09	3859877.25	8.67257	3.15E+00	3.54E+00	4.39E+00
4643	492863.09	3859877.25	6.091	2.21E+00	2.49E+00	3.09E+00
4644	493363.09	3859877.25	5.03372	1.83E+00	2.06E+00	2.55E+00
4645	493863.09	3859877.25	4.25574	1.55E+00	1.74E+00	2.16E+00
4646	494363.09	3859877.25	3.35577	1.22E+00	1.37E+00	1.70E+00
4647	494863.09	3859877.25	3.10792	1.13E+00	1.27E+00	1.57E+00
4648	495363.09	3859877.25	3.08109	1.12E+00	1.26E+00	1.56E+00
4649	495863.09	3859877.25	3.13469	1.14E+00	1.28E+00	1.59E+00
4650	496363.09	3859877.25	3.58218	1.30E+00	1.46E+00	1.81E+00
4651	496863.09	3859877.25	3.53252	1.28E+00	1.44E+00	1.79E+00
4652	497363.09	3859877.25	3.57406	1.30E+00	1.46E+00	1.81E+00
4653	497863.09	3859877.25	2.75757	1.00E+00	1.13E+00	1.40E+00
4654	498363.09	3859877.25	2.18491	7.94E-01	8.93E-01	1.11E+00
4655	471363.09	3860377.25	0.9122	3.32E-01	3.73E-01	4.62E-01
4656	471863.09	3860377.25	0.93141	3.39E-01	3.80E-01	4.72E-01
4657	472363.09	3860377.25	0.95946	3.49E-01	3.92E-01	4.86E-01
4658	472863.09	3860377.25	1.3966	5.08E-01	5.71E-01	7.07E-01

4659	473363.09	3860377.25	1.57782	5.74E-01	6.45E-01	7.99E-01
4660	473863.09	3860377.25	1.55741	5.66E-01	6.36E-01	7.89E-01
4661	474363.09	3860377.25	1.56741	5.70E-01	6.40E-01	7.94E-01
4662	474863.09	3860377.25	1.54683	5.62E-01	6.32E-01	7.83E-01
4663	475363.09	3860377.25	1.52261	5.54E-01	6.22E-01	7.71E-01
4664	475863.09	3860377.25	1.52076	5.53E-01	6.21E-01	7.70E-01
4665	476363.09	3860377.25	0.82983	3.02E-01	3.39E-01	4.20E-01
4666	476863.09	3860377.25	0.78154	2.84E-01	3.19E-01	3.96E-01
4667	477363.09	3860377.25	0.78026	2.84E-01	3.19E-01	3.95E-01
4668	477863.09	3860377.25	0.78293	2.85E-01	3.20E-01	3.97E-01
4669	478363.09	3860377.25	0.97458	3.54E-01	3.98E-01	4.94E-01
4670	478863.09	3860377.25	1.54382	5.61E-01	6.31E-01	7.82E-01
4671	479363.09	3860377.25	1.61022	5.85E-01	6.58E-01	8.16E-01
4672	479863.09	3860377.25	1.72118	6.26E-01	7.03E-01	8.72E-01
4673	480363.09	3860377.25	1.91559	6.96E-01	7.83E-01	9.70E-01
4674	480863.09	3860377.25	2.05073	7.46E-01	8.38E-01	1.04E+00
4675	481363.09	3860377.25	2.1221	7.72E-01	8.67E-01	1.07E+00
4676	481863.09	3860377.25	1.87825	6.83E-01	7.67E-01	9.51E-01
4677	482363.09	3860377.25	1.97727	7.19E-01	8.08E-01	1.00E+00
4678	482863.09	3860377.25	2.11875	7.70E-01	8.66E-01	1.07E+00
4679	483363.09	3860377.25	2.19291	7.97E-01	8.96E-01	1.11E+00
4680	483863.09	3860377.25	2.30987	8.40E-01	9.44E-01	1.17E+00
4681	484363.09	3860377.25	2.15431	7.83E-01	8.80E-01	1.09E+00
4682	484863.09	3860377.25	2.30843	8.39E-01	9.43E-01	1.17E+00
4683	485363.09	3860377.25	2.4725	8.99E-01	1.01E+00	1.25E+00
4684	485863.09	3860377.25	2.67298	9.72E-01	1.09E+00	1.35E+00
4685	486363.09	3860377.25	2.86894	1.04E+00	1.17E+00	1.45E+00
4686	486863.09	3860377.25	3.07872	1.12E+00	1.26E+00	1.56E+00
4687	487363.09	3860377.25	3.28282	1.19E+00	1.34E+00	1.66E+00
4688	487863.09	3860377.25	3.57152	1.30E+00	1.46E+00	1.81E+00
4689	488363.09	3860377.25	3.80349	1.38E+00	1.55E+00	1.93E+00
4690	488863.09	3860377.25	4.08769	1.49E+00	1.67E+00	2.07E+00
4691	489363.09	3860377.25	4.46225	1.62E+00	1.82E+00	2.26E+00
4692	489863.09	3860377.25	5.30883	1.93E+00	2.17E+00	2.69E+00
4693	490363.09	3860377.25	6.4204	2.33E+00	2.62E+00	3.25E+00
4694	490863.09	3860377.25	10.28682	3.74E+00	4.20E+00	5.21E+00
4695	491363.09	3860377.25	14.54815	5.29E+00	5.94E+00	7.37E+00
4696	491863.09	3860377.25	24.15505	8.78E+00	9.87E+00	1.22E+01
4697	492363.09	3860377.25	13.38835	4.87E+00	5.47E+00	6.78E+00
4698	492863.09	3860377.25	9.51156	3.46E+00	3.89E+00	4.82E+00
4699	493363.09	3860377.25	7.86586	2.86E+00	3.21E+00	3.98E+00
4700	493863.09	3860377.25	5.34325	1.94E+00	2.18E+00	2.71E+00
4701	494363.09	3860377.25	5.31982	1.93E+00	2.17E+00	2.69E+00
4702	494863.09	3860377.25	4.69924	1.71E+00	1.92E+00	2.38E+00
4703	495363.09	3860377.25	4.38869	1.60E+00	1.79E+00	2.22E+00
4704	495863.09	3860377.25	3.1972	1.16E+00	1.31E+00	1.62E+00
4705	496363.09	3860377.25	2.94201	1.07E+00	1.20E+00	1.49E+00
4706	496863.09	3860377.25	3.15472	1.15E+00	1.29E+00	1.60E+00
4707	497363.09	3860377.25	3.61559	1.31E+00	1.48E+00	1.83E+00
4708	497863.09	3860377.25	2.91372	1.06E+00	1.19E+00	1.48E+00
4709	498363.09	3860377.25	2.69712	9.81E-01	1.10E+00	1.37E+00
4710	471363.09	3860877.25	0.85915	3.12E-01	3.51E-01	4.35E-01
4711	471863.09	3860877.25	0.87163	3.17E-01	3.56E-01	4.41E-01
4712	472363.09	3860877.25	0.92667	3.37E-01	3.79E-01	4.69E-01
4713	472863.09	3860877.25	1.3793	5.01E-01	5.63E-01	6.99E-01
4714	473363.09	3860877.25	1.53304	5.57E-01	6.26E-01	7.77E-01
4715	473863.09	3860877.25	1.50424	5.47E-01	6.14E-01	7.62E-01
4716	474363.09	3860877.25	1.48297	5.39E-01	6.06E-01	7.51E-01
4717	474863.09	3860877.25	1.51737	5.52E-01	6.20E-01	7.69E-01
4718	475363.09	3860877.25	1.59038	5.78E-01	6.50E-01	8.06E-01
4719	475863.09	3860877.25	1.56889	5.70E-01	6.41E-01	7.95E-01
4720	476363.09	3860877.25	1.54815	5.63E-01	6.32E-01	7.84E-01
4721	476863.09	3860877.25	1.53622	5.59E-01	6.28E-01	7.78E-01

4722	477363.09	3860877.25	1.54009	5.60E-01	6.29E-01	7.80E-01
4723	477863.09	3860877.25	0.93349	3.39E-01	3.81E-01	4.73E-01
4724	478363.09	3860877.25	0.78278	2.85E-01	3.20E-01	3.96E-01
4725	478863.09	3860877.25	1.47748	5.37E-01	6.04E-01	7.48E-01
4726	479363.09	3860877.25	1.60842	5.85E-01	6.57E-01	8.15E-01
4727	479863.09	3860877.25	1.73316	6.30E-01	7.08E-01	8.78E-01
4728	480363.09	3860877.25	1.92901	7.01E-01	7.88E-01	9.77E-01
4729	480863.09	3860877.25	2.05315	7.46E-01	8.39E-01	1.04E+00
4730	481363.09	3860877.25	2.10502	7.65E-01	8.60E-01	1.07E+00
4731	481863.09	3860877.25	2.05278	7.46E-01	8.39E-01	1.04E+00
4732	482363.09	3860877.25	2.14749	7.81E-01	8.77E-01	1.09E+00
4733	482863.09	3860877.25	2.26335	8.23E-01	9.25E-01	1.15E+00
4734	483363.09	3860877.25	2.35457	8.56E-01	9.62E-01	1.19E+00
4735	483863.09	3860877.25	2.40542	8.75E-01	9.83E-01	1.22E+00
4736	484363.09	3860877.25	1.99373	7.25E-01	8.14E-01	1.01E+00
4737	484863.09	3860877.25	2.07074	7.53E-01	8.46E-01	1.05E+00
4738	485363.09	3860877.25	2.13196	7.75E-01	8.71E-01	1.08E+00
4739	485863.09	3860877.25	2.19742	7.99E-01	8.98E-01	1.11E+00
4740	486363.09	3860877.25	2.20861	8.03E-01	9.02E-01	1.12E+00
4741	486863.09	3860877.25	2.24364	8.16E-01	9.17E-01	1.14E+00
4742	487363.09	3860877.25	2.4224	8.81E-01	9.90E-01	1.23E+00
4743	487863.09	3860877.25	2.54686	9.26E-01	1.04E+00	1.29E+00
4744	488363.09	3860877.25	2.79736	1.02E+00	1.14E+00	1.42E+00
4745	488863.09	3860877.25	2.74351	9.97E-01	1.12E+00	1.39E+00
4746	489363.09	3860877.25	2.99575	1.09E+00	1.22E+00	1.52E+00
4747	489863.09	3860877.25	3.27742	1.19E+00	1.34E+00	1.66E+00
4748	490363.09	3860877.25	3.8009	1.38E+00	1.55E+00	1.93E+00
4749	490863.09	3860877.25	4.84514	1.76E+00	1.98E+00	2.45E+00
4750	491363.09	3860877.25	6.94252	2.52E+00	2.84E+00	3.52E+00
4751	491863.09	3860877.25	10.18386	3.70E+00	4.16E+00	5.16E+00
4752	492363.09	3860877.25	18.01487	6.55E+00	7.36E+00	9.12E+00
4753	492863.09	3860877.25	12.5321	4.56E+00	5.12E+00	6.35E+00
4754	493363.09	3860877.25	9.54324	3.47E+00	3.90E+00	4.83E+00
4755	493863.09	3860877.25	7.01605	2.55E+00	2.87E+00	3.55E+00
4756	494363.09	3860877.25	5.92203	2.15E+00	2.42E+00	3.00E+00
4757	494863.09	3860877.25	5.00399	1.82E+00	2.04E+00	2.53E+00
4758	495363.09	3860877.25	4.03986	1.47E+00	1.65E+00	2.05E+00
4759	495863.09	3860877.25	3.49921	1.27E+00	1.43E+00	1.77E+00
4760	496363.09	3860877.25	3.78126	1.37E+00	1.54E+00	1.92E+00
4761	496863.09	3860877.25	3.32286	1.21E+00	1.36E+00	1.68E+00
4762	497363.09	3860877.25	3.03346	1.10E+00	1.24E+00	1.54E+00
4763	497863.09	3860877.25	2.72989	9.92E-01	1.12E+00	1.38E+00
4764	498363.09	3860877.25	2.76941	1.01E+00	1.13E+00	1.40E+00
4765	471363.09	3861377.25	0.92375	3.36E-01	3.77E-01	4.68E-01
4766	471863.09	3861377.25	0.96078	3.49E-01	3.92E-01	4.87E-01
4767	472363.09	3861377.25	0.99544	3.62E-01	4.07E-01	5.04E-01
4768	472863.09	3861377.25	1.36604	4.97E-01	5.58E-01	6.92E-01
4769	473363.09	3861377.25	1.4857	5.40E-01	6.07E-01	7.53E-01
4770	473863.09	3861377.25	1.46191	5.31E-01	5.97E-01	7.40E-01
4771	474363.09	3861377.25	1.4057	5.11E-01	5.74E-01	7.12E-01
4772	474863.09	3861377.25	1.46668	5.33E-01	5.99E-01	7.43E-01
4773	475363.09	3861377.25	1.51319	5.50E-01	6.18E-01	7.66E-01
4774	475863.09	3861377.25	1.62291	5.90E-01	6.63E-01	8.22E-01
4775	476363.09	3861377.25	1.60728	5.84E-01	6.57E-01	8.14E-01
4776	476863.09	3861377.25	1.58092	5.75E-01	6.46E-01	8.01E-01
4777	477363.09	3861377.25	1.57435	5.72E-01	6.43E-01	7.97E-01
4778	477863.09	3861377.25	1.54054	5.60E-01	6.29E-01	7.80E-01
4779	478363.09	3861377.25	0.87066	3.17E-01	3.56E-01	4.41E-01
4780	478863.09	3861377.25	0.89063	3.24E-01	3.64E-01	4.51E-01
4781	479363.09	3861377.25	1.59486	5.80E-01	6.52E-01	8.08E-01
4782	479863.09	3861377.25	1.73668	6.31E-01	7.09E-01	8.80E-01
4783	480363.09	3861377.25	1.94474	7.07E-01	7.94E-01	9.85E-01
4784	480863.09	3861377.25	2.03086	7.38E-01	8.30E-01	1.03E+00

4785	481363.09	3861377.25	2.04731	7.44E-01	8.36E-01	1.04E+00
4786	481863.09	3861377.25	1.9121	6.95E-01	7.81E-01	9.69E-01
4787	482363.09	3861377.25	1.90537	6.93E-01	7.78E-01	9.65E-01
4788	482863.09	3861377.25	1.89678	6.90E-01	7.75E-01	9.61E-01
4789	483363.09	3861377.25	1.91554	6.96E-01	7.83E-01	9.70E-01
4790	483863.09	3861377.25	1.8484	6.72E-01	7.55E-01	9.36E-01
4791	484363.09	3861377.25	1.94056	7.06E-01	7.93E-01	9.83E-01
4792	484863.09	3861377.25	1.646	5.98E-01	6.72E-01	8.34E-01
4793	485363.09	3861377.25	1.72465	6.27E-01	7.05E-01	8.74E-01
4794	485863.09	3861377.25	1.86339	6.77E-01	7.61E-01	9.44E-01
4795	486363.09	3861377.25	1.96483	7.14E-01	8.03E-01	9.95E-01
4796	486863.09	3861377.25	2.01791	7.34E-01	8.24E-01	1.02E+00
4797	487363.09	3861377.25	2.01261	7.32E-01	8.22E-01	1.02E+00
4798	487863.09	3861377.25	2.02408	7.36E-01	8.27E-01	1.03E+00
4799	488363.09	3861377.25	2.06683	7.51E-01	8.44E-01	1.05E+00
4800	488863.09	3861377.25	2.22349	8.08E-01	9.08E-01	1.13E+00
4801	489363.09	3861377.25	2.27457	8.27E-01	9.29E-01	1.15E+00
4802	489863.09	3861377.25	2.3603	8.58E-01	9.64E-01	1.20E+00
4803	490363.09	3861377.25	2.47535	9.00E-01	1.01E+00	1.25E+00
4804	490863.09	3861377.25	3.14173	1.14E+00	1.28E+00	1.59E+00
4805	491363.09	3861377.25	3.79139	1.38E+00	1.55E+00	1.92E+00
4806	491863.09	3861377.25	5.30331	1.93E+00	2.17E+00	2.69E+00
4807	492363.09	3861377.25	6.90754	2.51E+00	2.82E+00	3.50E+00
4808	492863.09	3861377.25	9.65759	3.51E+00	3.95E+00	4.89E+00
4809	493363.09	3861377.25	9.72878	3.54E+00	3.97E+00	4.93E+00
4810	493863.09	3861377.25	7.70844	2.80E+00	3.15E+00	3.90E+00
4811	494363.09	3861377.25	6.04838	2.20E+00	2.47E+00	3.06E+00
4812	494863.09	3861377.25	5.25967	1.91E+00	2.15E+00	2.66E+00
4813	495363.09	3861377.25	4.25076	1.55E+00	1.74E+00	2.15E+00
4814	495863.09	3861377.25	3.76124	1.37E+00	1.54E+00	1.91E+00
4815	496363.09	3861377.25	3.63392	1.32E+00	1.48E+00	1.84E+00
4816	496863.09	3861377.25	3.19659	1.16E+00	1.31E+00	1.62E+00
4817	497363.09	3861377.25	2.92397	1.06E+00	1.19E+00	1.48E+00
4818	497863.09	3861377.25	2.80378	1.02E+00	1.15E+00	1.42E+00
4819	498363.09	3861377.25	2.88998	1.05E+00	1.18E+00	1.46E+00
4820	471363.09	3861877.25	0.91406	3.32E-01	3.73E-01	4.63E-01
4821	471863.09	3861877.25	0.93121	3.39E-01	3.80E-01	4.72E-01
4822	472363.09	3861877.25	0.99349	3.61E-01	4.06E-01	5.03E-01
4823	472863.09	3861877.25	1.35179	4.91E-01	5.52E-01	6.85E-01
4824	473363.09	3861877.25	1.43874	5.23E-01	5.88E-01	7.29E-01
4825	473863.09	3861877.25	1.40204	5.10E-01	5.73E-01	7.10E-01
4826	474363.09	3861877.25	1.36535	4.96E-01	5.58E-01	6.92E-01
4827	474863.09	3861877.25	1.39967	5.09E-01	5.72E-01	7.09E-01
4828	475363.09	3861877.25	1.45411	5.29E-01	5.94E-01	7.37E-01
4829	475863.09	3861877.25	1.48183	5.39E-01	6.05E-01	7.51E-01
4830	476363.09	3861877.25	1.52727	5.55E-01	6.24E-01	7.74E-01
4831	476863.09	3861877.25	1.60724	5.84E-01	6.57E-01	8.14E-01
4832	477363.09	3861877.25	1.60335	5.83E-01	6.55E-01	8.12E-01
4833	477863.09	3861877.25	1.537	5.59E-01	6.28E-01	7.79E-01
4834	478363.09	3861877.25	0.81432	2.96E-01	3.33E-01	4.12E-01
4835	478863.09	3861877.25	0.87125	3.17E-01	3.56E-01	4.41E-01
4836	479363.09	3861877.25	0.93386	3.40E-01	3.81E-01	4.73E-01
4837	479863.09	3861877.25	1.74026	6.33E-01	7.11E-01	8.81E-01
4838	480363.09	3861877.25	1.93286	7.03E-01	7.90E-01	9.79E-01
4839	480863.09	3861877.25	2.00547	7.29E-01	8.19E-01	1.02E+00
4840	481363.09	3861877.25	1.93426	7.03E-01	7.90E-01	9.80E-01
4841	481863.09	3861877.25	1.50506	5.47E-01	6.15E-01	7.62E-01
4842	482363.09	3861877.25	1.47272	5.35E-01	6.02E-01	7.46E-01
4843	482863.09	3861877.25	1.47953	5.38E-01	6.04E-01	7.49E-01
4844	483363.09	3861877.25	1.46488	5.33E-01	5.98E-01	7.42E-01
4845	483863.09	3861877.25	1.44474	5.25E-01	5.90E-01	7.32E-01
4846	484363.09	3861877.25	1.53074	5.57E-01	6.25E-01	7.75E-01
4847	484863.09	3861877.25	1.60984	5.85E-01	6.58E-01	8.15E-01

4848	485363.09	3861877.25	1.66338	6.05E-01	6.80E-01	8.43E-01
4849	485863.09	3861877.25	1.64965	6.00E-01	6.74E-01	8.36E-01
4850	486363.09	3861877.25	1.63843	5.96E-01	6.69E-01	8.30E-01
4851	486863.09	3861877.25	1.67518	6.09E-01	6.84E-01	8.48E-01
4852	487363.09	3861877.25	1.67334	6.08E-01	6.84E-01	8.48E-01
4853	487863.09	3861877.25	1.67387	6.09E-01	6.84E-01	8.48E-01
4854	488363.09	3861877.25	1.72545	6.27E-01	7.05E-01	8.74E-01
4855	488863.09	3861877.25	1.67268	6.08E-01	6.83E-01	8.47E-01
4856	489363.09	3861877.25	1.69511	6.16E-01	6.92E-01	8.59E-01
4857	489863.09	3861877.25	1.83253	6.66E-01	7.49E-01	9.28E-01
4858	490363.09	3861877.25	1.95376	7.10E-01	7.98E-01	9.90E-01
4859	490863.09	3861877.25	2.22646	8.09E-01	9.10E-01	1.13E+00
4860	491363.09	3861877.25	2.63034	9.56E-01	1.07E+00	1.33E+00
4861	491863.09	3861877.25	3.1436	1.14E+00	1.28E+00	1.59E+00
4862	492363.09	3861877.25	4.29912	1.56E+00	1.76E+00	2.18E+00
4863	492863.09	3861877.25	5.4306	1.97E+00	2.22E+00	2.75E+00
4864	493363.09	3861877.25	6.84878	2.49E+00	2.80E+00	3.47E+00
4865	493863.09	3861877.25	5.7587	2.09E+00	2.35E+00	2.92E+00
4866	494363.09	3861877.25	5.79147	2.11E+00	2.37E+00	2.93E+00
4867	494863.09	3861877.25	5.31144	1.93E+00	2.17E+00	2.69E+00
4868	495363.09	3861877.25	4.38077	1.59E+00	1.79E+00	2.22E+00
4869	495863.09	3861877.25	3.96553	1.44E+00	1.62E+00	2.01E+00
4870	496363.09	3861877.25	3.4932	1.27E+00	1.43E+00	1.77E+00
4871	496863.09	3861877.25	4.0512	1.47E+00	1.65E+00	2.05E+00
4872	497363.09	3861877.25	2.92143	1.06E+00	1.19E+00	1.48E+00
4873	497863.09	3861877.25	2.64619	9.62E-01	1.08E+00	1.34E+00
4874	498363.09	3861877.25	2.50188	9.10E-01	1.02E+00	1.27E+00
4875	471363.09	3862377.25	0.87952	3.20E-01	3.59E-01	4.45E-01
4876	471863.09	3862377.25	0.95833	3.48E-01	3.91E-01	4.85E-01
4877	472363.09	3862377.25	1.02103	3.71E-01	4.17E-01	5.17E-01
4878	472863.09	3862377.25	1.3326	4.84E-01	5.44E-01	6.75E-01
4879	473363.09	3862377.25	1.39821	5.08E-01	5.71E-01	7.08E-01
4880	473863.09	3862377.25	1.34866	4.90E-01	5.51E-01	6.83E-01
4881	474363.09	3862377.25	1.32818	4.83E-01	5.43E-01	6.73E-01
4882	474863.09	3862377.25	1.38346	5.03E-01	5.65E-01	7.01E-01
4883	475363.09	3862377.25	1.40434	5.11E-01	5.74E-01	7.11E-01
4884	475863.09	3862377.25	1.42353	5.18E-01	5.82E-01	7.21E-01
4885	476363.09	3862377.25	1.45058	5.27E-01	5.93E-01	7.35E-01
4886	476863.09	3862377.25	1.5008	5.46E-01	6.13E-01	7.60E-01
4887	477363.09	3862377.25	1.60778	5.85E-01	6.57E-01	8.14E-01
4888	477863.09	3862377.25	1.54664	5.62E-01	6.32E-01	7.83E-01
4889	478363.09	3862377.25	1.45319	5.28E-01	5.94E-01	7.36E-01
4890	478863.09	3862377.25	1.34409	4.89E-01	5.49E-01	6.81E-01
4891	479363.09	3862377.25	1.57223	5.72E-01	6.42E-01	7.96E-01
4892	479863.09	3862377.25	1.76119	6.40E-01	7.19E-01	8.92E-01
4893	480363.09	3862377.25	1.88846	6.87E-01	7.71E-01	9.57E-01
4894	480863.09	3862377.25	1.92383	6.99E-01	7.86E-01	9.74E-01
4895	481363.09	3862377.25	1.80489	6.56E-01	7.37E-01	9.14E-01
4896	481863.09	3862377.25	1.40014	5.09E-01	5.72E-01	7.09E-01
4897	482363.09	3862377.25	1.35152	4.91E-01	5.52E-01	6.85E-01
4898	482863.09	3862377.25	1.28648	4.68E-01	5.26E-01	6.52E-01
4899	483363.09	3862377.25	1.36436	4.96E-01	5.57E-01	6.91E-01
4900	483863.09	3862377.25	1.37445	5.00E-01	5.61E-01	6.96E-01
4901	484363.09	3862377.25	1.37701	5.01E-01	5.63E-01	6.97E-01
4902	484863.09	3862377.25	1.40823	5.12E-01	5.75E-01	7.13E-01
4903	485363.09	3862377.25	1.40251	5.10E-01	5.73E-01	7.10E-01
4904	485863.09	3862377.25	1.43417	5.21E-01	5.86E-01	7.26E-01
4905	486363.09	3862377.25	1.41955	5.16E-01	5.80E-01	7.19E-01
4906	486863.09	3862377.25	1.4083	5.12E-01	5.75E-01	7.13E-01
4907	487363.09	3862377.25	1.4129	5.14E-01	5.77E-01	7.16E-01
4908	487863.09	3862377.25	1.36195	4.95E-01	5.56E-01	6.90E-01
4909	488363.09	3862377.25	1.38243	5.03E-01	5.65E-01	7.00E-01
4910	488863.09	3862377.25	1.65849	6.03E-01	6.78E-01	8.40E-01

4911	489363.09	3862377.25	1.66271	6.04E-01	6.79E-01	8.42E-01
4912	489863.09	3862377.25	1.63952	5.96E-01	6.70E-01	8.30E-01
4913	490363.09	3862377.25	1.70795	6.21E-01	6.98E-01	8.65E-01
4914	490863.09	3862377.25	1.86816	6.79E-01	7.63E-01	9.46E-01
4915	491363.09	3862377.25	2.1796	7.92E-01	8.90E-01	1.10E+00
4916	491863.09	3862377.25	2.34021	8.51E-01	9.56E-01	1.19E+00
4917	492363.09	3862377.25	2.78087	1.01E+00	1.14E+00	1.41E+00
4918	492863.09	3862377.25	3.75314	1.36E+00	1.53E+00	1.90E+00
4919	493363.09	3862377.25	4.61158	1.68E+00	1.88E+00	2.34E+00
4920	493863.09	3862377.25	5.38069	1.96E+00	2.20E+00	2.73E+00
4921	494363.09	3862377.25	5.06607	1.84E+00	2.07E+00	2.57E+00
4922	494863.09	3862377.25	4.84161	1.76E+00	1.98E+00	2.45E+00
4923	495363.09	3862377.25	4.11136	1.49E+00	1.68E+00	2.08E+00
4924	495863.09	3862377.25	3.90029	1.42E+00	1.59E+00	1.98E+00
4925	496363.09	3862377.25	3.40458	1.24E+00	1.39E+00	1.72E+00
4926	496863.09	3862377.25	3.08345	1.12E+00	1.26E+00	1.56E+00
4927	497363.09	3862377.25	2.80474	1.02E+00	1.15E+00	1.42E+00
4928	497863.09	3862377.25	2.47736	9.01E-01	1.01E+00	1.25E+00
4929	498363.09	3862377.25	2.13676	7.77E-01	8.73E-01	1.08E+00
4930	471363.09	3862877.25	1.03592	3.77E-01	4.23E-01	5.25E-01
4931	471863.09	3862877.25	1.06379	3.87E-01	4.35E-01	5.39E-01
4932	472363.09	3862877.25	1.07898	3.92E-01	4.41E-01	5.47E-01
4933	472863.09	3862877.25	1.31757	4.79E-01	5.38E-01	6.67E-01
4934	473363.09	3862877.25	1.35864	4.94E-01	5.55E-01	6.88E-01
4935	473863.09	3862877.25	1.31011	4.76E-01	5.35E-01	6.64E-01
4936	474363.09	3862877.25	1.2964	4.71E-01	5.30E-01	6.57E-01
4937	474863.09	3862877.25	1.33081	4.84E-01	5.44E-01	6.74E-01
4938	475363.09	3862877.25	1.35661	4.93E-01	5.54E-01	6.87E-01
4939	475863.09	3862877.25	1.38371	5.03E-01	5.65E-01	7.01E-01
4940	476363.09	3862877.25	1.40464	5.11E-01	5.74E-01	7.11E-01
4941	476863.09	3862877.25	1.45427	5.29E-01	5.94E-01	7.37E-01
4942	477363.09	3862877.25	1.53408	5.58E-01	6.27E-01	7.77E-01
4943	477863.09	3862877.25	1.58523	5.76E-01	6.48E-01	8.03E-01
4944	478363.09	3862877.25	1.52553	5.55E-01	6.23E-01	7.73E-01
4945	478863.09	3862877.25	1.53596	5.58E-01	6.27E-01	7.78E-01
4946	479363.09	3862877.25	1.5807	5.75E-01	6.46E-01	8.01E-01
4947	479863.09	3862877.25	1.78737	6.50E-01	7.30E-01	9.05E-01
4948	480363.09	3862877.25	1.80234	6.55E-01	7.36E-01	9.13E-01
4949	480863.09	3862877.25	1.88291	6.85E-01	7.69E-01	9.54E-01
4950	481363.09	3862877.25	1.64856	5.99E-01	6.73E-01	8.35E-01
4951	481863.09	3862877.25	1.28572	4.67E-01	5.25E-01	6.51E-01
4952	482363.09	3862877.25	1.17146	4.26E-01	4.79E-01	5.93E-01
4953	482863.09	3862877.25	1.18196	4.30E-01	4.83E-01	5.99E-01
4954	483363.09	3862877.25	1.18976	4.33E-01	4.86E-01	6.03E-01
4955	483863.09	3862877.25	1.20184	4.37E-01	4.91E-01	6.09E-01
4956	484363.09	3862877.25	1.23117	4.48E-01	5.03E-01	6.24E-01
4957	484863.09	3862877.25	1.25406	4.56E-01	5.12E-01	6.35E-01
4958	485363.09	3862877.25	1.24677	4.53E-01	5.09E-01	6.32E-01
4959	485863.09	3862877.25	1.22314	4.45E-01	5.00E-01	6.20E-01
4960	486363.09	3862877.25	1.20133	4.37E-01	4.91E-01	6.08E-01
4961	486863.09	3862877.25	1.15663	4.20E-01	4.72E-01	5.86E-01
4962	487363.09	3862877.25	1.19472	4.34E-01	4.88E-01	6.05E-01
4963	487863.09	3862877.25	1.20997	4.40E-01	4.94E-01	6.13E-01
4964	488363.09	3862877.25	1.23757	4.50E-01	5.06E-01	6.27E-01
4965	488863.09	3862877.25	1.64	5.96E-01	6.70E-01	8.31E-01
4966	489363.09	3862877.25	1.64139	5.97E-01	6.71E-01	8.31E-01
4967	489863.09	3862877.25	1.61796	5.88E-01	6.61E-01	8.20E-01
4968	490363.09	3862877.25	1.60108	5.82E-01	6.54E-01	8.11E-01
4969	490863.09	3862877.25	1.80085	6.55E-01	7.36E-01	9.12E-01
4970	491363.09	3862877.25	1.78037	6.47E-01	7.27E-01	9.02E-01
4971	491863.09	3862877.25	2.0223	7.35E-01	8.26E-01	1.02E+00
4972	492363.09	3862877.25	2.22766	8.10E-01	9.10E-01	1.13E+00
4973	492863.09	3862877.25	2.69793	9.81E-01	1.10E+00	1.37E+00

4974	493363.09	3862877.25	3.32917	1.21E+00	1.36E+00	1.69E+00
4975	493863.09	3862877.25	4.07075	1.48E+00	1.66E+00	2.06E+00
4976	494363.09	3862877.25	4.72258	1.72E+00	1.93E+00	2.39E+00
4977	494863.09	3862877.25	4.42719	1.61E+00	1.81E+00	2.24E+00
4978	495363.09	3862877.25	3.6416	1.32E+00	1.49E+00	1.84E+00
4979	495863.09	3862877.25	3.8365	1.39E+00	1.57E+00	1.94E+00
4980	496363.09	3862877.25	3.25176	1.18E+00	1.33E+00	1.65E+00
4981	496863.09	3862877.25	3.07611	1.12E+00	1.26E+00	1.56E+00
4982	497363.09	3862877.25	2.71583	9.87E-01	1.11E+00	1.38E+00
4983	497863.09	3862877.25	2.4	8.73E-01	9.80E-01	1.22E+00
4984	498363.09	3862877.25	2.27773	8.28E-01	9.30E-01	1.15E+00
4985	471363.09	3863377.25	0.95777	3.48E-01	3.91E-01	4.85E-01
4986	471863.09	3863377.25	0.95169	3.46E-01	3.89E-01	4.82E-01
4987	472363.09	3863377.25	1.06482	3.87E-01	4.35E-01	5.39E-01
4988	472863.09	3863377.25	1.29961	4.72E-01	5.31E-01	6.58E-01
4989	473363.09	3863377.25	1.32166	4.80E-01	5.40E-01	6.69E-01
4990	473863.09	3863377.25	1.27572	4.64E-01	5.21E-01	6.46E-01
4991	474363.09	3863377.25	1.26032	4.58E-01	5.15E-01	6.38E-01
4992	474863.09	3863377.25	1.26582	4.60E-01	5.17E-01	6.41E-01
4993	475363.09	3863377.25	1.3156	4.78E-01	5.37E-01	6.66E-01
4994	475863.09	3863377.25	1.35565	4.93E-01	5.54E-01	6.87E-01
4995	476363.09	3863377.25	1.36603	4.97E-01	5.58E-01	6.92E-01
4996	476863.09	3863377.25	1.38576	5.04E-01	5.66E-01	7.02E-01
4997	477363.09	3863377.25	1.44074	5.24E-01	5.89E-01	7.30E-01
4998	477863.09	3863377.25	1.56129	5.68E-01	6.38E-01	7.91E-01
4999	478363.09	3863377.25	1.55866	5.67E-01	6.37E-01	7.89E-01
5000	478863.09	3863377.25	1.5815	5.75E-01	6.46E-01	8.01E-01
5001	479363.09	3863377.25	1.67805	6.10E-01	6.85E-01	8.50E-01
5002	479863.09	3863377.25	1.63817	5.96E-01	6.69E-01	8.30E-01
5003	480363.09	3863377.25	1.72205	6.26E-01	7.03E-01	8.72E-01
5004	480863.09	3863377.25	1.79748	6.53E-01	7.34E-01	9.10E-01
5005	481363.09	3863377.25	1.49627	5.44E-01	6.11E-01	7.58E-01
5006	481863.09	3863377.25	1.05806	3.85E-01	4.32E-01	5.36E-01
5007	482363.09	3863377.25	1.05631	3.84E-01	4.32E-01	5.35E-01
5008	482863.09	3863377.25	1.0679	3.88E-01	4.36E-01	5.41E-01
5009	483363.09	3863377.25	1.0915	3.97E-01	4.46E-01	5.53E-01
5010	483863.09	3863377.25	1.11428	4.05E-01	4.55E-01	5.64E-01
5011	484363.09	3863377.25	1.1102	4.04E-01	4.54E-01	5.62E-01
5012	484863.09	3863377.25	1.08816	3.96E-01	4.45E-01	5.51E-01
5013	485363.09	3863377.25	1.04353	3.79E-01	4.26E-01	5.29E-01
5014	485863.09	3863377.25	0.99312	3.61E-01	4.06E-01	5.03E-01
5015	486363.09	3863377.25	1.04172	3.79E-01	4.26E-01	5.28E-01
5016	486863.09	3863377.25	1.06901	3.89E-01	4.37E-01	5.41E-01
5017	487363.09	3863377.25	1.07683	3.91E-01	4.40E-01	5.45E-01
5018	487863.09	3863377.25	1.09773	3.99E-01	4.48E-01	5.56E-01
5019	488363.09	3863377.25	1.12653	4.10E-01	4.60E-01	5.71E-01
5020	488863.09	3863377.25	1.61985	5.89E-01	6.62E-01	8.20E-01
5021	489363.09	3863377.25	1.61615	5.88E-01	6.60E-01	8.19E-01
5022	489863.09	3863377.25	1.58763	5.77E-01	6.49E-01	8.04E-01
5023	490363.09	3863377.25	1.58927	5.78E-01	6.49E-01	8.05E-01
5024	490863.09	3863377.25	1.80771	6.57E-01	7.38E-01	9.16E-01
5025	491363.09	3863377.25	1.53857	5.59E-01	6.29E-01	7.79E-01
5026	491863.09	3863377.25	1.70525	6.20E-01	6.97E-01	8.64E-01
5027	492363.09	3863377.25	1.90787	6.94E-01	7.79E-01	9.66E-01
5028	492863.09	3863377.25	2.18973	7.96E-01	8.95E-01	1.11E+00
5029	493363.09	3863377.25	3.26156	1.19E+00	1.33E+00	1.65E+00
5030	493863.09	3863377.25	3.45216	1.26E+00	1.41E+00	1.75E+00
5031	494363.09	3863377.25	3.72578	1.35E+00	1.52E+00	1.89E+00
5032	494863.09	3863377.25	4.29631	1.56E+00	1.76E+00	2.18E+00
5033	495363.09	3863377.25	4.51288	1.64E+00	1.84E+00	2.29E+00
5034	495863.09	3863377.25	4.22379	1.54E+00	1.73E+00	2.14E+00
5035	496363.09	3863377.25	2.91728	1.06E+00	1.19E+00	1.48E+00
5036	496863.09	3863377.25	3.00383	1.09E+00	1.23E+00	1.52E+00

5037	497363.09	3863377.25	2.61541	9.51E-01	1.07E+00	1.32E+00
5038	497863.09	3863377.25	2.48657	9.04E-01	1.02E+00	1.26E+00
5039	498363.09	3863377.25	2.24717	8.17E-01	9.18E-01	1.14E+00
5040	471363.09	3863877.25	0.73857	2.69E-01	3.02E-01	3.74E-01
5041	471863.09	3863877.25	0.76505	2.78E-01	3.13E-01	3.88E-01
5042	472363.09	3863877.25	1.0836	3.94E-01	4.43E-01	5.49E-01
5043	472863.09	3863877.25	1.28527	4.67E-01	5.25E-01	6.51E-01
5044	473363.09	3863877.25	1.28395	4.67E-01	5.25E-01	6.50E-01
5045	473863.09	3863877.25	1.2453	4.53E-01	5.09E-01	6.31E-01
5046	474363.09	3863877.25	1.22711	4.46E-01	5.01E-01	6.22E-01
5047	474863.09	3863877.25	1.27224	4.63E-01	5.20E-01	6.44E-01
5048	475363.09	3863877.25	1.29284	4.70E-01	5.28E-01	6.55E-01
5049	475863.09	3863877.25	1.30147	4.73E-01	5.32E-01	6.59E-01
5050	476363.09	3863877.25	1.3234	4.81E-01	5.41E-01	6.70E-01
5051	476863.09	3863877.25	1.32853	4.83E-01	5.43E-01	6.73E-01
5052	477363.09	3863877.25	1.36912	4.98E-01	5.59E-01	6.93E-01
5053	477863.09	3863877.25	1.46376	5.32E-01	5.98E-01	7.41E-01
5054	478363.09	3863877.25	1.58379	5.76E-01	6.47E-01	8.02E-01
5055	478863.09	3863877.25	1.54839	5.63E-01	6.33E-01	7.84E-01
5056	479363.09	3863877.25	1.52678	5.55E-01	6.24E-01	7.73E-01
5057	479863.09	3863877.25	1.59548	5.80E-01	6.52E-01	8.08E-01
5058	480363.09	3863877.25	1.67417	6.09E-01	6.84E-01	8.48E-01
5059	480863.09	3863877.25	1.71401	6.23E-01	7.00E-01	8.68E-01
5060	481363.09	3863877.25	1.37124	4.99E-01	5.60E-01	6.95E-01
5061	481863.09	3863877.25	0.95866	3.49E-01	3.92E-01	4.86E-01
5062	482363.09	3863877.25	0.97864	3.56E-01	4.00E-01	4.96E-01
5063	482863.09	3863877.25	0.99654	3.62E-01	4.07E-01	5.05E-01
5064	483363.09	3863877.25	0.99445	3.62E-01	4.06E-01	5.04E-01
5065	483863.09	3863877.25	0.97419	3.54E-01	3.98E-01	4.93E-01
5066	484363.09	3863877.25	0.92879	3.38E-01	3.79E-01	4.70E-01
5067	484863.09	3863877.25	0.86746	3.15E-01	3.54E-01	4.39E-01
5068	485363.09	3863877.25	0.90779	3.30E-01	3.71E-01	4.60E-01
5069	485863.09	3863877.25	0.94661	3.44E-01	3.87E-01	4.79E-01
5070	486363.09	3863877.25	0.96331	3.50E-01	3.94E-01	4.88E-01
5071	486863.09	3863877.25	0.96764	3.52E-01	3.95E-01	4.90E-01
5072	487363.09	3863877.25	0.98758	3.59E-01	4.03E-01	5.00E-01
5073	487863.09	3863877.25	1.0157	3.69E-01	4.15E-01	5.14E-01
5074	488363.09	3863877.25	1.16086	4.22E-01	4.74E-01	5.88E-01
5075	488863.09	3863877.25	1.60109	5.82E-01	6.54E-01	8.11E-01
5076	489363.09	3863877.25	1.59765	5.81E-01	6.53E-01	8.09E-01
5077	489863.09	3863877.25	1.57147	5.71E-01	6.42E-01	7.96E-01
5078	490363.09	3863877.25	1.59184	5.79E-01	6.50E-01	8.06E-01
5079	490863.09	3863877.25	1.78189	6.48E-01	7.28E-01	9.03E-01
5080	491363.09	3863877.25	1.37766	5.01E-01	5.63E-01	6.98E-01
5081	491863.09	3863877.25	1.54059	5.60E-01	6.29E-01	7.80E-01
5082	492363.09	3863877.25	2.2189	8.07E-01	9.06E-01	1.12E+00
5083	492863.09	3863877.25	3.12786	1.14E+00	1.28E+00	1.58E+00
5084	493363.09	3863877.25	3.38864	1.23E+00	1.38E+00	1.72E+00
5085	493863.09	3863877.25	2.9478	1.07E+00	1.20E+00	1.49E+00
5086	494363.09	3863877.25	3.32427	1.21E+00	1.36E+00	1.68E+00
5087	494863.09	3863877.25	3.72959	1.36E+00	1.52E+00	1.89E+00
5088	495363.09	3863877.25	4.13394	1.50E+00	1.69E+00	2.09E+00
5089	495863.09	3863877.25	4.10877	1.49E+00	1.68E+00	2.08E+00
5090	496363.09	3863877.25	3.24176	1.18E+00	1.32E+00	1.64E+00
5091	496863.09	3863877.25	2.79508	1.02E+00	1.14E+00	1.42E+00
5092	497363.09	3863877.25	2.63775	9.59E-01	1.08E+00	1.34E+00
5093	497863.09	3863877.25	2.47028	8.98E-01	1.01E+00	1.25E+00
5094	498363.09	3863877.25	2.21102	8.04E-01	9.03E-01	1.12E+00
5095	471363.09	3864377.25	0.98474	3.58E-01	4.02E-01	4.99E-01
5096	471863.09	3864377.25	1.07726	3.92E-01	4.40E-01	5.46E-01
5097	472363.09	3864377.25	1.15042	4.18E-01	4.70E-01	5.83E-01
5098	472863.09	3864377.25	1.27403	4.63E-01	5.20E-01	6.45E-01
5099	473363.09	3864377.25	1.25765	4.57E-01	5.14E-01	6.37E-01

5100	473863.09	3864377.25	1.26095	4.58E-01	5.15E-01	6.39E-01
5101	474363.09	3864377.25	1.25661	4.57E-01	5.13E-01	6.36E-01
5102	474863.09	3864377.25	1.24599	4.53E-01	5.09E-01	6.31E-01
5103	475363.09	3864377.25	1.25967	4.58E-01	5.15E-01	6.38E-01
5104	475863.09	3864377.25	1.27308	4.63E-01	5.20E-01	6.45E-01
5105	476363.09	3864377.25	1.28719	4.68E-01	5.26E-01	6.52E-01
5106	476863.09	3864377.25	1.31282	4.77E-01	5.36E-01	6.65E-01
5107	477363.09	3864377.25	1.31669	4.79E-01	5.38E-01	6.67E-01
5108	477863.09	3864377.25	1.32706	4.82E-01	5.42E-01	6.72E-01
5109	478363.09	3864377.25	1.34595	4.89E-01	5.50E-01	6.82E-01
5110	478863.09	3864377.25	1.38377	5.03E-01	5.65E-01	7.01E-01
5111	479363.09	3864377.25	1.43413	5.21E-01	5.86E-01	7.26E-01
5112	479863.09	3864377.25	1.54566	5.62E-01	6.31E-01	7.83E-01
5113	480363.09	3864377.25	1.65564	6.02E-01	6.76E-01	8.39E-01
5114	480863.09	3864377.25	1.62414	5.90E-01	6.63E-01	8.23E-01
5115	481363.09	3864377.25	1.23056	4.47E-01	5.03E-01	6.23E-01
5116	481863.09	3864377.25	0.89812	3.27E-01	3.67E-01	4.55E-01
5117	482363.09	3864377.25	0.89785	3.26E-01	3.67E-01	4.55E-01
5118	482863.09	3864377.25	0.87781	3.19E-01	3.59E-01	4.45E-01
5119	483363.09	3864377.25	0.83399	3.03E-01	3.41E-01	4.22E-01
5120	483863.09	3864377.25	0.7705	2.80E-01	3.15E-01	3.90E-01
5121	484363.09	3864377.25	0.79741	2.90E-01	3.26E-01	4.04E-01
5122	484863.09	3864377.25	0.83153	3.02E-01	3.40E-01	4.21E-01
5123	485363.09	3864377.25	0.86098	3.13E-01	3.52E-01	4.36E-01
5124	485863.09	3864377.25	0.87632	3.19E-01	3.58E-01	4.44E-01
5125	486363.09	3864377.25	0.87788	3.19E-01	3.59E-01	4.45E-01
5126	486863.09	3864377.25	0.8965	3.26E-01	3.66E-01	4.54E-01
5127	487363.09	3864377.25	0.92532	3.36E-01	3.78E-01	4.69E-01
5128	487863.09	3864377.25	0.94579	3.44E-01	3.86E-01	4.79E-01
5129	488363.09	3864377.25	1.23458	4.49E-01	5.04E-01	6.25E-01
5130	488863.09	3864377.25	1.58617	5.77E-01	6.48E-01	8.03E-01
5131	489363.09	3864377.25	1.58334	5.76E-01	6.47E-01	8.02E-01
5132	489863.09	3864377.25	1.56165	5.68E-01	6.38E-01	7.91E-01
5133	490363.09	3864377.25	1.61312	5.86E-01	6.59E-01	8.17E-01
5134	490863.09	3864377.25	1.80832	6.57E-01	7.39E-01	9.16E-01
5135	491363.09	3864377.25	1.608	5.85E-01	6.57E-01	8.14E-01
5136	491863.09	3864377.25	1.69369	6.16E-01	6.92E-01	8.58E-01
5137	492363.09	3864377.25	1.81999	6.62E-01	7.43E-01	9.22E-01
5138	492863.09	3864377.25	1.92397	6.99E-01	7.86E-01	9.75E-01
5139	493363.09	3864377.25	2.08759	7.59E-01	8.53E-01	1.06E+00
5140	493863.09	3864377.25	2.60904	9.49E-01	1.07E+00	1.32E+00
5141	494363.09	3864377.25	2.82923	1.03E+00	1.16E+00	1.43E+00
5142	494863.09	3864377.25	3.09882	1.13E+00	1.27E+00	1.57E+00
5143	495363.09	3864377.25	3.57701	1.30E+00	1.46E+00	1.81E+00
5144	495863.09	3864377.25	3.82061	1.39E+00	1.56E+00	1.94E+00
5145	496363.09	3864377.25	3.54206	1.29E+00	1.45E+00	1.79E+00
5146	496863.09	3864377.25	3.39069	1.23E+00	1.39E+00	1.72E+00
5147	497363.09	3864377.25	2.74183	9.97E-01	1.12E+00	1.39E+00
5148	497863.09	3864377.25	2.25314	8.19E-01	9.20E-01	1.14E+00
5149	498363.09	3864377.25	2.34578	8.53E-01	9.58E-01	1.19E+00
5150	471363.09	3864877.25	1.18269	4.30E-01	4.83E-01	5.99E-01
5151	471863.09	3864877.25	1.20716	4.39E-01	4.93E-01	6.11E-01
5152	472363.09	3864877.25	1.21549	4.42E-01	4.97E-01	6.16E-01
5153	472863.09	3864877.25	1.24933	4.54E-01	5.10E-01	6.33E-01
5154	473363.09	3864877.25	1.2274	4.46E-01	5.01E-01	6.22E-01
5155	473863.09	3864877.25	1.181	4.29E-01	4.82E-01	5.98E-01
5156	474363.09	3864877.25	1.177	4.28E-01	4.81E-01	5.96E-01
5157	474863.09	3864877.25	1.20125	4.37E-01	4.91E-01	6.08E-01
5158	475363.09	3864877.25	1.22809	4.46E-01	5.02E-01	6.22E-01
5159	475863.09	3864877.25	1.2354	4.49E-01	5.05E-01	6.26E-01
5160	476363.09	3864877.25	1.24646	4.53E-01	5.09E-01	6.31E-01
5161	476863.09	3864877.25	1.28104	4.66E-01	5.23E-01	6.49E-01
5162	477363.09	3864877.25	1.28148	4.66E-01	5.23E-01	6.49E-01

5163	477863.09	3864877.25	1.28744	4.68E-01	5.26E-01	6.52E-01
5164	478363.09	3864877.25	1.29803	4.72E-01	5.30E-01	6.57E-01
5165	478863.09	3864877.25	1.32623	4.82E-01	5.42E-01	6.72E-01
5166	479363.09	3864877.25	1.39537	5.07E-01	5.70E-01	7.07E-01
5167	479863.09	3864877.25	1.49792	5.45E-01	6.12E-01	7.59E-01
5168	480363.09	3864877.25	1.59911	5.81E-01	6.53E-01	8.10E-01
5169	480863.09	3864877.25	1.54536	5.62E-01	6.31E-01	7.83E-01
5170	481363.09	3864877.25	1.10725	4.03E-01	4.52E-01	5.61E-01
5171	481863.09	3864877.25	0.79559	2.89E-01	3.25E-01	4.03E-01
5172	482363.09	3864877.25	0.75618	2.75E-01	3.09E-01	3.83E-01
5173	482863.09	3864877.25	0.7247	2.63E-01	2.96E-01	3.67E-01
5174	483363.09	3864877.25	0.72375	2.63E-01	2.96E-01	3.67E-01
5175	483863.09	3864877.25	0.73462	2.67E-01	3.00E-01	3.72E-01
5176	484363.09	3864877.25	0.76775	2.79E-01	3.14E-01	3.89E-01
5177	484863.09	3864877.25	0.79209	2.88E-01	3.24E-01	4.01E-01
5178	485363.09	3864877.25	0.80485	2.93E-01	3.29E-01	4.08E-01
5179	485863.09	3864877.25	0.80083	2.91E-01	3.27E-01	4.06E-01
5180	486363.09	3864877.25	0.81898	2.98E-01	3.35E-01	4.15E-01
5181	486863.09	3864877.25	0.84595	3.08E-01	3.46E-01	4.28E-01
5182	487363.09	3864877.25	0.86384	3.14E-01	3.53E-01	4.38E-01
5183	487863.09	3864877.25	0.88292	3.21E-01	3.61E-01	4.47E-01
5184	488363.09	3864877.25	1.29325	4.70E-01	5.28E-01	6.55E-01
5185	488863.09	3864877.25	1.56823	5.70E-01	6.41E-01	7.94E-01
5186	489363.09	3864877.25	1.56953	5.71E-01	6.41E-01	7.95E-01
5187	489863.09	3864877.25	1.54944	5.63E-01	6.33E-01	7.85E-01
5188	490363.09	3864877.25	1.63996	5.96E-01	6.70E-01	8.31E-01
5189	490863.09	3864877.25	1.82155	6.62E-01	7.44E-01	9.23E-01
5190	491363.09	3864877.25	1.51261	5.50E-01	6.18E-01	7.66E-01
5191	491863.09	3864877.25	1.53501	5.58E-01	6.27E-01	7.78E-01
5192	492363.09	3864877.25	0.9687	3.52E-01	3.96E-01	4.91E-01
5193	492863.09	3864877.25	1.26662	4.60E-01	5.17E-01	6.42E-01
5194	493363.09	3864877.25	1.38366	5.03E-01	5.65E-01	7.01E-01
5195	493863.09	3864877.25	1.96319	7.14E-01	8.02E-01	9.94E-01
5196	494363.09	3864877.25	2.45994	8.94E-01	1.00E+00	1.25E+00
5197	494863.09	3864877.25	2.64711	9.62E-01	1.08E+00	1.34E+00
5198	495363.09	3864877.25	2.91519	1.06E+00	1.19E+00	1.48E+00
5199	495863.09	3864877.25	2.80819	1.02E+00	1.15E+00	1.42E+00
5200	496363.09	3864877.25	3.50336	1.27E+00	1.43E+00	1.77E+00
5201	496863.09	3864877.25	3.69452	1.34E+00	1.51E+00	1.87E+00
5202	497363.09	3864877.25	3.1825	1.16E+00	1.30E+00	1.61E+00
5203	497863.09	3864877.25	2.79032	1.01E+00	1.14E+00	1.41E+00
5204	498363.09	3864877.25	2.22188	8.08E-01	9.08E-01	1.13E+00
5205	471363.09	3865377.25	1.16265	4.23E-01	4.75E-01	5.89E-01
5206	471863.09	3865377.25	1.12949	4.11E-01	4.61E-01	5.72E-01
5207	472363.09	3865377.25	1.10003	4.00E-01	4.49E-01	5.57E-01
5208	472863.09	3865377.25	1.23379	4.49E-01	5.04E-01	6.25E-01
5209	473363.09	3865377.25	1.20005	4.36E-01	4.90E-01	6.08E-01
5210	473863.09	3865377.25	1.15661	4.20E-01	4.72E-01	5.86E-01
5211	474363.09	3865377.25	1.15122	4.19E-01	4.70E-01	5.83E-01
5212	474863.09	3865377.25	1.18126	4.29E-01	4.83E-01	5.98E-01
5213	475363.09	3865377.25	1.19255	4.34E-01	4.87E-01	6.04E-01
5214	475863.09	3865377.25	1.20796	4.39E-01	4.93E-01	6.12E-01
5215	476363.09	3865377.25	1.29822	4.72E-01	5.30E-01	6.58E-01
5216	476863.09	3865377.25	1.51529	5.51E-01	6.19E-01	7.68E-01
5217	477363.09	3865377.25	1.31563	4.78E-01	5.37E-01	6.66E-01
5218	477863.09	3865377.25	1.26086	4.58E-01	5.15E-01	6.39E-01
5219	478363.09	3865377.25	1.27582	4.64E-01	5.21E-01	6.46E-01
5220	478863.09	3865377.25	1.29687	4.71E-01	5.30E-01	6.57E-01
5221	479363.09	3865377.25	1.36611	4.97E-01	5.58E-01	6.92E-01
5222	479863.09	3865377.25	1.47946	5.38E-01	6.04E-01	7.49E-01
5223	480363.09	3865377.25	1.54106	5.60E-01	6.30E-01	7.81E-01
5224	480863.09	3865377.25	1.45674	5.30E-01	5.95E-01	7.38E-01
5225	481363.09	3865377.25	0.98987	3.60E-01	4.04E-01	5.01E-01

5226	481863.09	3865377.25	0.69623	2.53E-01	2.84E-01	3.53E-01
5227	482363.09	3865377.25	0.70709	2.57E-01	2.89E-01	3.58E-01
5228	482863.09	3865377.25	0.69877	2.54E-01	2.85E-01	3.54E-01
5229	483363.09	3865377.25	0.71379	2.60E-01	2.92E-01	3.62E-01
5230	483863.09	3865377.25	0.71795	2.61E-01	2.93E-01	3.64E-01
5231	484363.09	3865377.25	0.73207	2.66E-01	2.99E-01	3.71E-01
5232	484863.09	3865377.25	0.74132	2.70E-01	3.03E-01	3.75E-01
5233	485363.09	3865377.25	0.73914	2.69E-01	3.02E-01	3.74E-01
5234	485863.09	3865377.25	0.75343	2.74E-01	3.08E-01	3.82E-01
5235	486363.09	3865377.25	0.78059	2.84E-01	3.19E-01	3.95E-01
5236	486863.09	3865377.25	0.79785	2.90E-01	3.26E-01	4.04E-01
5237	487363.09	3865377.25	0.8121	2.95E-01	3.32E-01	4.11E-01
5238	487863.09	3865377.25	0.81193	2.95E-01	3.32E-01	4.11E-01
5239	488363.09	3865377.25	1.33681	4.86E-01	5.46E-01	6.77E-01
5240	488863.09	3865377.25	1.56097	5.67E-01	6.38E-01	7.91E-01
5241	489363.09	3865377.25	1.57432	5.72E-01	6.43E-01	7.97E-01
5242	489863.09	3865377.25	1.60799	5.85E-01	6.57E-01	8.14E-01
5243	490363.09	3865377.25	1.76261	6.41E-01	7.20E-01	8.93E-01
5244	490863.09	3865377.25	1.75071	6.36E-01	7.15E-01	8.87E-01
5245	491363.09	3865377.25	1.37017	4.98E-01	5.60E-01	6.94E-01
5246	491863.09	3865377.25	1.45277	5.28E-01	5.93E-01	7.36E-01
5247	492363.09	3865377.25	1.89555	6.89E-01	7.74E-01	9.60E-01
5248	492863.09	3865377.25	1.59983	5.82E-01	6.54E-01	8.10E-01
5249	493363.09	3865377.25	1.15795	4.21E-01	4.73E-01	5.87E-01
5250	493863.09	3865377.25	1.85802	6.75E-01	7.59E-01	9.41E-01
5251	494363.09	3865377.25	1.9359	7.04E-01	7.91E-01	9.81E-01
5252	494863.09	3865377.25	1.99538	7.25E-01	8.15E-01	1.01E+00
5253	495363.09	3865377.25	2.5264	9.18E-01	1.03E+00	1.28E+00
5254	495863.09	3865377.25	2.68334	9.76E-01	1.10E+00	1.36E+00
5255	496363.09	3865377.25	3.2832	1.19E+00	1.34E+00	1.66E+00
5256	496863.09	3865377.25	3.44913	1.25E+00	1.41E+00	1.75E+00
5257	497363.09	3865377.25	3.56268	1.30E+00	1.46E+00	1.80E+00
5258	497863.09	3865377.25	3.17569	1.15E+00	1.30E+00	1.61E+00
5259	498363.09	3865377.25	3.37985	1.23E+00	1.38E+00	1.71E+00
5260	471363.09	3865877.25	0.94811	3.45E-01	3.87E-01	4.80E-01
5261	471863.09	3865877.25	0.86547	3.15E-01	3.54E-01	4.38E-01
5262	472363.09	3865877.25	1.11948	4.07E-01	4.57E-01	5.67E-01
5263	472863.09	3865877.25	1.19366	4.34E-01	4.88E-01	6.05E-01
5264	473363.09	3865877.25	1.16516	4.24E-01	4.76E-01	5.90E-01
5265	473863.09	3865877.25	1.13443	4.12E-01	4.63E-01	5.75E-01
5266	474363.09	3865877.25	1.13136	4.11E-01	4.62E-01	5.73E-01
5267	474863.09	3865877.25	1.1629	4.23E-01	4.75E-01	5.89E-01
5268	475363.09	3865877.25	1.18033	4.29E-01	4.82E-01	5.98E-01
5269	475863.09	3865877.25	1.19797	4.36E-01	4.89E-01	6.07E-01
5270	476363.09	3865877.25	1.35217	4.92E-01	5.52E-01	6.85E-01
5271	476863.09	3865877.25	1.51225	5.50E-01	6.18E-01	7.66E-01
5272	477363.09	3865877.25	1.33505	4.85E-01	5.45E-01	6.76E-01
5273	477863.09	3865877.25	1.25007	4.54E-01	5.11E-01	6.33E-01
5274	478363.09	3865877.25	1.25283	4.55E-01	5.12E-01	6.35E-01
5275	478863.09	3865877.25	1.28039	4.65E-01	5.23E-01	6.49E-01
5276	479363.09	3865877.25	1.35619	4.93E-01	5.54E-01	6.87E-01
5277	479863.09	3865877.25	1.44704	5.26E-01	5.91E-01	7.33E-01
5278	480363.09	3865877.25	1.50316	5.46E-01	6.14E-01	7.61E-01
5279	480863.09	3865877.25	1.38351	5.03E-01	5.65E-01	7.01E-01
5280	481363.09	3865877.25	0.88633	3.22E-01	3.62E-01	4.49E-01
5281	481863.09	3865877.25	0.68942	2.51E-01	2.82E-01	3.49E-01
5282	482363.09	3865877.25	0.68448	2.49E-01	2.80E-01	3.47E-01
5283	482863.09	3865877.25	0.70114	2.55E-01	2.86E-01	3.55E-01
5284	483363.09	3865877.25	0.70397	2.56E-01	2.88E-01	3.57E-01
5285	483863.09	3865877.25	0.69275	2.52E-01	2.83E-01	3.51E-01
5286	484363.09	3865877.25	0.68773	2.50E-01	2.81E-01	3.48E-01
5287	484863.09	3865877.25	0.68686	2.50E-01	2.81E-01	3.48E-01
5288	485363.09	3865877.25	0.69515	2.53E-01	2.84E-01	3.52E-01

5289	485863.09	3865877.25	0.72136	2.62E-01	2.95E-01	3.65E-01
5290	486363.09	3865877.25	0.73992	2.69E-01	3.02E-01	3.75E-01
5291	486863.09	3865877.25	0.75244	2.74E-01	3.07E-01	3.81E-01
5292	487363.09	3865877.25	0.75331	2.74E-01	3.08E-01	3.82E-01
5293	487863.09	3865877.25	0.7576	2.75E-01	3.09E-01	3.84E-01
5294	488363.09	3865877.25	1.36692	4.97E-01	5.58E-01	6.92E-01
5295	488863.09	3865877.25	1.56397	5.69E-01	6.39E-01	7.92E-01
5296	489363.09	3865877.25	1.60269	5.83E-01	6.55E-01	8.12E-01
5297	489863.09	3865877.25	1.63969	5.96E-01	6.70E-01	8.31E-01
5298	490363.09	3865877.25	1.80745	6.57E-01	7.38E-01	9.15E-01
5299	490863.09	3865877.25	1.66373	6.05E-01	6.80E-01	8.43E-01
5300	491363.09	3865877.25	1.32176	4.81E-01	5.40E-01	6.69E-01
5301	491863.09	3865877.25	1.46051	5.31E-01	5.97E-01	7.40E-01
5302	492363.09	3865877.25	1.57837	5.74E-01	6.45E-01	7.99E-01
5303	492863.09	3865877.25	1.66463	6.05E-01	6.80E-01	8.43E-01
5304	493363.09	3865877.25	1.55682	5.66E-01	6.36E-01	7.89E-01
5305	493863.09	3865877.25	1.64875	5.99E-01	6.74E-01	8.35E-01
5306	494363.09	3865877.25	1.77648	6.46E-01	7.26E-01	9.00E-01
5307	494863.09	3865877.25	2.48589	9.04E-01	1.02E+00	1.26E+00
5308	495363.09	3865877.25	1.97856	7.19E-01	8.08E-01	1.00E+00
5309	495863.09	3865877.25	2.41349	8.77E-01	9.86E-01	1.22E+00
5310	496363.09	3865877.25	2.89705	1.05E+00	1.18E+00	1.47E+00
5311	496863.09	3865877.25	3.39572	1.23E+00	1.39E+00	1.72E+00
5312	497363.09	3865877.25	3.23308	1.18E+00	1.32E+00	1.64E+00
5313	497863.09	3865877.25	3.6793	1.34E+00	1.50E+00	1.86E+00
5314	498363.09	3865877.25	3.52783	1.28E+00	1.44E+00	1.79E+00
5315	471363.09	3866377.25	0.59112	2.15E-01	2.41E-01	2.99E-01
5316	471863.09	3866377.25	0.85046	3.09E-01	3.47E-01	4.31E-01
5317	472363.09	3866377.25	1.10711	4.02E-01	4.52E-01	5.61E-01
5318	472863.09	3866377.25	1.16359	4.23E-01	4.75E-01	5.89E-01
5319	473363.09	3866377.25	1.14469	4.16E-01	4.68E-01	5.80E-01
5320	473863.09	3866377.25	1.1114	4.04E-01	4.54E-01	5.63E-01
5321	474363.09	3866377.25	1.11299	4.05E-01	4.55E-01	5.64E-01
5322	474863.09	3866377.25	1.1433	4.16E-01	4.67E-01	5.79E-01
5323	475363.09	3866377.25	1.15979	4.22E-01	4.74E-01	5.87E-01
5324	475863.09	3866377.25	1.16716	4.24E-01	4.77E-01	5.91E-01
5325	476363.09	3866377.25	1.29197	4.70E-01	5.28E-01	6.54E-01
5326	476863.09	3866377.25	1.50807	5.48E-01	6.16E-01	7.64E-01
5327	477363.09	3866377.25	1.42392	5.18E-01	5.82E-01	7.21E-01
5328	477863.09	3866377.25	1.2563	4.57E-01	5.13E-01	6.36E-01
5329	478363.09	3866377.25	1.22831	4.47E-01	5.02E-01	6.22E-01
5330	478863.09	3866377.25	1.26774	4.61E-01	5.18E-01	6.42E-01
5331	479363.09	3866377.25	1.35353	4.92E-01	5.53E-01	6.86E-01
5332	479863.09	3866377.25	1.4596	5.31E-01	5.96E-01	7.39E-01
5333	480363.09	3866377.25	1.50544	5.47E-01	6.15E-01	7.63E-01
5334	480863.09	3866377.25	1.32491	4.82E-01	5.41E-01	6.71E-01
5335	481363.09	3866377.25	0.80621	2.93E-01	3.29E-01	4.08E-01
5336	481863.09	3866377.25	0.67949	2.47E-01	2.78E-01	3.44E-01
5337	482363.09	3866377.25	0.69066	2.51E-01	2.82E-01	3.50E-01
5338	482863.09	3866377.25	0.69163	2.51E-01	2.83E-01	3.50E-01
5339	483363.09	3866377.25	0.6774	2.46E-01	2.77E-01	3.43E-01
5340	483863.09	3866377.25	0.65693	2.39E-01	2.68E-01	3.33E-01
5341	484363.09	3866377.25	0.64139	2.33E-01	2.62E-01	3.25E-01
5342	484863.09	3866377.25	0.65158	2.37E-01	2.66E-01	3.30E-01
5343	485363.09	3866377.25	0.66955	2.43E-01	2.74E-01	3.39E-01
5344	485863.09	3866377.25	0.68701	2.50E-01	2.81E-01	3.48E-01
5345	486363.09	3866377.25	0.70064	2.55E-01	2.86E-01	3.55E-01
5346	486863.09	3866377.25	0.70658	2.57E-01	2.89E-01	3.58E-01
5347	487363.09	3866377.25	0.71894	2.61E-01	2.94E-01	3.64E-01
5348	487863.09	3866377.25	0.83584	3.04E-01	3.41E-01	4.23E-01
5349	488363.09	3866377.25	1.57539	5.73E-01	6.44E-01	7.98E-01
5350	488863.09	3866377.25	1.72564	6.27E-01	7.05E-01	8.74E-01
5351	489363.09	3866377.25	1.67687	6.10E-01	6.85E-01	8.49E-01

5352	489863.09	3866377.25	1.64346	5.97E-01	6.71E-01	8.32E-01
5353	490363.09	3866377.25	1.79771	6.54E-01	7.34E-01	9.11E-01
5354	490863.09	3866377.25	1.57878	5.74E-01	6.45E-01	8.00E-01
5355	491363.09	3866377.25	1.23176	4.48E-01	5.03E-01	6.24E-01
5356	491863.09	3866377.25	1.46164	5.31E-01	5.97E-01	7.40E-01
5357	492363.09	3866377.25	1.53276	5.57E-01	6.26E-01	7.76E-01
5358	492863.09	3866377.25	1.6363	5.95E-01	6.68E-01	8.29E-01
5359	493363.09	3866377.25	1.66438	6.05E-01	6.80E-01	8.43E-01
5360	493863.09	3866377.25	1.67816	6.10E-01	6.86E-01	8.50E-01
5361	494363.09	3866377.25	2.18536	7.94E-01	8.93E-01	1.11E+00
5362	494863.09	3866377.25	2.17441	7.91E-01	8.88E-01	1.10E+00
5363	495363.09	3866377.25	1.66093	6.04E-01	6.79E-01	8.41E-01
5364	495863.09	3866377.25	1.86352	6.77E-01	7.61E-01	9.44E-01
5365	496363.09	3866377.25	2.33422	8.49E-01	9.54E-01	1.18E+00
5366	496863.09	3866377.25	2.8575	1.04E+00	1.17E+00	1.45E+00
5367	497363.09	3866377.25	3.13928	1.14E+00	1.28E+00	1.59E+00
5368	497863.09	3866377.25	3.07511	1.12E+00	1.26E+00	1.56E+00
5369	498363.09	3866377.25	3.43747	1.25E+00	1.40E+00	1.74E+00
5370	474494.92	3848334.16	52.22058	1.90E+01	2.13E+01	2.65E+01
5371	475167.27	3848920.79	45.28682	1.65E+01	1.85E+01	2.29E+01
5372	475297.89	3848997.96	48.1497	1.75E+01	1.97E+01	2.44E+01
5373	475439.05	3849062	55.33483	2.01E+01	2.26E+01	2.80E+01
5374	475486.86	3849061.09	48.45244	1.76E+01	1.98E+01	2.45E+01
5375	475538.46	3849075.56	49.45117	1.80E+01	2.02E+01	2.50E+01
5376	475751.79	3849137.15	61.60832	2.24E+01	2.52E+01	3.12E+01
5377	476303.62	3849223.38	80.28222	2.92E+01	3.28E+01	4.07E+01
5378	476304.51	3849238.92	79.89954	2.90E+01	3.26E+01	4.05E+01
5379	476365.04	3849247.98	84.28215	3.06E+01	3.44E+01	4.27E+01
5380	476444.86	3849267.13	79.57435	2.89E+01	3.25E+01	4.03E+01
5381	476550.75	3849300.66	81.93161	2.98E+01	3.35E+01	4.15E+01
5382	476656.71	3849346.88	81.12067	2.95E+01	3.31E+01	4.11E+01
5383	476873.55	3849454.53	81.62404	2.97E+01	3.33E+01	4.13E+01
5384	477700	3849859.7	73.6378	2.68E+01	3.01E+01	3.73E+01
5385	477743.16	3849856.38	62.93091	2.29E+01	2.57E+01	3.19E+01
5386	478477.35	3850216.33	69.51278	2.53E+01	2.84E+01	3.52E+01
5387	478485.8	3850201.6	57.87182	2.10E+01	2.36E+01	2.93E+01
5388	479113.21	3850501.53	52.15747	1.90E+01	2.13E+01	2.64E+01
5389	479108.11	3850382.28	29.86282	1.09E+01	1.22E+01	1.51E+01
5390	479689.85	3850674.28	29.40727	1.07E+01	1.20E+01	1.49E+01
5391	479952.42	3850774.28	30.57421	1.11E+01	1.25E+01	1.55E+01
5392	479911.32	3850884.85	52.76162	1.92E+01	2.16E+01	2.67E+01
5393	480500.92	3851178.12	53.58867	1.95E+01	2.19E+01	2.71E+01
5394	480738.01	3851289.27	58.66749	2.13E+01	2.40E+01	2.97E+01
5395	481055.42	3851443.58	60.00922	2.18E+01	2.45E+01	3.04E+01
5396	481110.22	3851443.15	49.71522	1.81E+01	2.03E+01	2.52E+01
5397	481111.1	3851417.45	43.17343	1.57E+01	1.76E+01	2.19E+01
5398	482248.44	3852605.09	51.19799	1.86E+01	2.09E+01	2.59E+01
5399	482273.34	3852632.31	51.97926	1.89E+01	2.12E+01	2.63E+01
5400	482665.46	3853038.72	48.39592	1.76E+01	1.98E+01	2.45E+01
5401	483077.95	3853844.31	21.01696	7.64E+00	8.59E+00	1.06E+01
5402	483121.38	3853909.38	20.35073	7.40E+00	8.31E+00	1.03E+01
5403	483492.64	3853911.49	19.04214	6.92E+00	7.78E+00	9.65E+00
5404	483498.29	3854204.73	18.25518	6.64E+00	7.46E+00	9.25E+00
5405	484132.44	3854662.55	9.74603	3.54E+00	3.98E+00	4.94E+00
5406	484627.62	3854876.13	10.18513	3.70E+00	4.16E+00	5.16E+00
5407	484756.14	3854949.04	9.71666	3.53E+00	3.97E+00	4.92E+00
5408	486697.51	3856599.17	5.6164	2.04E+00	2.29E+00	2.84E+00
5409	487105.31	3856962.27	5.72734	2.08E+00	2.34E+00	2.90E+00
5410	487157.57	3856901.7	5.30805	1.93E+00	2.17E+00	2.69E+00
5411	487173.5	3856853.74	5.07577	1.85E+00	2.07E+00	2.57E+00
5412	487564.41	3856860.83	4.61986	1.68E+00	1.89E+00	2.34E+00
5413	487563.31	3856931.58	4.67455	1.70E+00	1.91E+00	2.37E+00
5414	487782.7	3856926.85	4.3962	1.60E+00	1.80E+00	2.23E+00

5415	487782.39	3856757.07	4.73805	1.72E+00	1.94E+00	2.40E+00
5416	487917.26	3856752.41	4.58672	1.67E+00	1.87E+00	2.32E+00
5417	487919.57	3856953.35	4.27002	1.55E+00	1.74E+00	2.16E+00
5418	487932.76	3857000.32	4.31348	1.57E+00	1.76E+00	2.18E+00
5419	487960.5	3857044.75	4.36767	1.59E+00	1.78E+00	2.21E+00
5420	488016.54	3857089.54	4.42175	1.61E+00	1.81E+00	2.24E+00
5421	488114.39	3857165.47	4.60446	1.67E+00	1.88E+00	2.33E+00
5422	488171.49	3857234.24	4.79328	1.74E+00	1.96E+00	2.43E+00
5423	488193.16	3857297.8	4.96065	1.80E+00	2.03E+00	2.51E+00
5424	488189.27	3857649.94	6.74627	2.45E+00	2.76E+00	3.42E+00
5425	488127.43	3857732.32	7.59992	2.76E+00	3.10E+00	3.85E+00
5426	488149.93	3857752.94	7.64186	2.78E+00	3.12E+00	3.87E+00
5427	488144.76	3857758.71	7.72431	2.81E+00	3.16E+00	3.91E+00
5428	488335.58	3857932.55	7.80524	2.84E+00	3.19E+00	3.95E+00
5429	488372.29	3857943.79	7.7854	2.83E+00	3.18E+00	3.94E+00
5430	488828.64	3857936.4	6.29497	2.29E+00	2.57E+00	3.19E+00
5431	488829.08	3857959.58	6.33074	2.30E+00	2.59E+00	3.21E+00
5432	488351.61	3857964.55	7.91673	2.88E+00	3.23E+00	4.01E+00
5433	488316.87	3857947.65	7.91677	2.88E+00	3.23E+00	4.01E+00
5434	488129.1	3857775.77	7.97073	2.90E+00	3.26E+00	4.04E+00
5435	488062.53	3857846.13	8.67602	3.15E+00	3.54E+00	4.39E+00
5436	488330.41	3858091.34	8.97071	3.26E+00	3.66E+00	4.54E+00
5437	488470.87	3858174.45	8.89297	3.23E+00	3.63E+00	4.50E+00
5438	488568.9	3858262.31	9.42938	3.43E+00	3.85E+00	4.78E+00
5439	488964.27	3858025.71	6.66922	2.42E+00	2.72E+00	3.38E+00
5440	489147.25	3857956.64	6.61863	2.41E+00	2.70E+00	3.35E+00
5441	489343.52	3857932.45	6.28432	2.28E+00	2.57E+00	3.18E+00
5442	489866.19	3857923.19	4.85594	1.77E+00	1.98E+00	2.46E+00
5443	489955.65	3857902.27	4.32475	1.57E+00	1.77E+00	2.19E+00
5444	490079.44	3857847.9	3.3746	1.23E+00	1.38E+00	1.71E+00
5445	490108.49	3857934.13	3.51445	1.28E+00	1.44E+00	1.78E+00
5446	489884.48	3858014.17	5.02596	1.83E+00	2.05E+00	2.55E+00
5447	489326.56	3858025.86	7.09156	2.58E+00	2.90E+00	3.59E+00
5448	489130.38	3858056.71	6.89987	2.51E+00	2.82E+00	3.49E+00
5449	488936.49	3858143.93	7.57494	2.75E+00	3.09E+00	3.84E+00
5450	488638.08	3858327.45	9.74427	3.54E+00	3.98E+00	4.94E+00
5451	488663.79	3858349.57	9.83998	3.58E+00	4.02E+00	4.98E+00
5452	488694.56	3858349.5	9.50631	3.46E+00	3.88E+00	4.82E+00
5453	488694.35	3858336.75	9.30599	3.38E+00	3.80E+00	4.71E+00
5454	488712.81	3858336.38	9.12126	3.32E+00	3.73E+00	4.62E+00
5455	488713.23	3858367.46	9.60458	3.49E+00	3.92E+00	4.86E+00
5456	488704.63	3858384.05	9.97986	3.63E+00	4.08E+00	5.05E+00
5457	488604.15	3858488.29	13.8936	5.05E+00	5.68E+00	7.04E+00
5458	488605.66	3858550.47	17.16298	6.24E+00	7.01E+00	8.69E+00
5459	488692.68	3858548.71	14.46395	5.26E+00	5.91E+00	7.33E+00
5460	488759.93	3858461.81	10.8007	3.93E+00	4.41E+00	5.47E+00
5461	488816.57	3858541.79	11.80472	4.29E+00	4.82E+00	5.98E+00
5462	488944.63	3858656.77	12.89335	4.69E+00	5.27E+00	6.53E+00
5463	489134.91	3858830.7	15.91973	5.79E+00	6.50E+00	8.06E+00
5464	489193.99	3858886.05	17.18575	6.25E+00	7.02E+00	8.70E+00
5465	489295.2	3858954.34	18.12458	6.59E+00	7.40E+00	9.18E+00
5466	489295.64	3858992.74	20.38734	7.41E+00	8.33E+00	1.03E+01
5467	489183.74	3858911.72	18.90681	6.87E+00	7.72E+00	9.58E+00
5468	488873.37	3858625.59	13.18158	4.79E+00	5.38E+00	6.68E+00
5469	488842.84	3858658.69	15.04016	5.47E+00	6.14E+00	7.62E+00
5470	488856.39	3858670.93	15.23889	5.54E+00	6.23E+00	7.72E+00
5471	488805.7	3858724.5	21.04043	7.65E+00	8.60E+00	1.07E+01
5472	488805.87	3858804.16	34.4144	1.25E+01	1.41E+01	1.74E+01
5473	488995.78	3858936.96	41.43224	1.51E+01	1.69E+01	2.10E+01
5474	489130.76	3859017.38	41.29174	1.50E+01	1.69E+01	2.09E+01
5475	489130.92	3859052.24	60.525	2.20E+01	2.47E+01	3.07E+01
5476	489200.33	3859090.6	60.64118	2.20E+01	2.48E+01	3.07E+01
5477	489296.07	3859143.7	59.25015	2.15E+01	2.42E+01	3.00E+01

5478	489296.43	3858954.74	18.11404	6.59E+00	7.40E+00	9.17E+00
5479	489410.33	3859033.19	19.37828	7.05E+00	7.92E+00	9.82E+00
5480	489371.37	3859089.8	26.13201	9.50E+00	1.07E+01	1.32E+01
5481	489390.52	3859102.82	26.49876	9.63E+00	1.08E+01	1.34E+01
5482	489382.3	3859114.53	29.11055	1.06E+01	1.19E+01	1.47E+01
5483	489363.04	3859102.45	28.84398	1.05E+01	1.18E+01	1.46E+01
5484	489337.52	3859140.71	44.36317	1.61E+01	1.81E+01	2.25E+01
5485	489375.14	3859164.55	45.93769	1.67E+01	1.88E+01	2.33E+01
5486	489409.3	3859114.5	26.71036	9.71E+00	1.09E+01	1.35E+01
5487	489434.87	3859131.81	27.31885	9.93E+00	1.12E+01	1.38E+01
5488	489471.87	3859075.75	20.1883	7.34E+00	8.25E+00	1.02E+01
5489	489602.62	3859164.69	22.16645	8.06E+00	9.06E+00	1.12E+01
5490	489558.29	3859232.45	33.7339	1.23E+01	1.38E+01	1.71E+01
5491	489620.11	3859273.56	35.33166	1.28E+01	1.44E+01	1.79E+01
5492	489666.06	3859206.42	23.13128	8.41E+00	9.45E+00	1.17E+01
5493	489787.9	3859285.65	25.30168	9.20E+00	1.03E+01	1.28E+01
5494	489752.17	3859343.13	34.67666	1.26E+01	1.42E+01	1.76E+01
5495	489814.94	3859385.33	37.19841	1.35E+01	1.52E+01	1.88E+01
5496	489853.42	3859330.74	26.96924	9.80E+00	1.10E+01	1.37E+01
5497	489969.5	3859401.91	29.65019	1.08E+01	1.21E+01	1.50E+01
5498	490166.91	3859486.96	31.18978	1.13E+01	1.27E+01	1.58E+01
5499	490128.86	3859571.46	58.64872	2.13E+01	2.40E+01	2.97E+01
5500	490186.65	3859593.65	58.34339	2.12E+01	2.38E+01	2.96E+01
5501	490223.74	3859517.48	32.52218	1.18E+01	1.33E+01	1.65E+01
5502	490846.34	3859817.22	41.83583	1.52E+01	1.71E+01	2.12E+01
5503	490925.65	3859844.59	38.54366	1.40E+01	1.57E+01	1.95E+01
5504	491159.29	3859896.28	24.98307	9.08E+00	1.02E+01	1.27E+01
5505	491370.69	3859960.89	22.28082	8.10E+00	9.10E+00	1.13E+01
5506	491330.28	3860063.17	37.34462	1.36E+01	1.53E+01	1.89E+01
5507	491636.45	3860180.75	26.50916	9.64E+00	1.08E+01	1.34E+01
5508	491617.94	3860203.93	28.7583	1.05E+01	1.17E+01	1.46E+01
5509	491805.68	3860271.59	23.54355	8.56E+00	9.62E+00	1.19E+01
5510	491654.23	3860414.02	58.67216	2.13E+01	2.40E+01	2.97E+01
5511	491592.62	3860510.76	18.28766	6.65E+00	7.47E+00	9.26E+00
5512	491475.41	3860368.93	23.61558	8.59E+00	9.65E+00	1.20E+01
5513	491445.61	3860337.28	25.35714	9.22E+00	1.04E+01	1.28E+01
5514	491399.05	3860300.37	26.4718	9.62E+00	1.08E+01	1.34E+01
5515	491228.84	3860235.98	19.24731	7.00E+00	7.86E+00	9.75E+00
5516	491228.47	3860174.57	31.60294	1.15E+01	1.29E+01	1.60E+01
5517	491145.77	3860112.55	34.69045	1.26E+01	1.42E+01	1.76E+01
5518	490844.41	3859966.22	35.74597	1.30E+01	1.46E+01	1.81E+01
5519	490845.55	3859928.15	51.88247	1.89E+01	2.12E+01	2.63E+01
5520	490046.91	3859625.6	39.21728	1.43E+01	1.60E+01	1.99E+01
5521	489970.48	3859589.4	42.18713	1.53E+01	1.72E+01	2.14E+01
5522	489865.89	3859529.06	48.44348	1.76E+01	1.98E+01	2.45E+01
5523	489826.89	3859531.74	39.11656	1.42E+01	1.60E+01	1.98E+01
5524	489410.47	3859303.06	39.88909	1.45E+01	1.63E+01	2.02E+01
5525	489407.15	3859286.09	45.17735	1.64E+01	1.85E+01	2.29E+01
5526	488806.07	3858963.62	38.03072	1.38E+01	1.55E+01	1.93E+01
5527	488817.64	3859546.3	9.04841	3.29E+00	3.70E+00	4.58E+00
5528	489187.25	3859549.52	12.46775	4.53E+00	5.09E+00	6.32E+00
5529	489187.66	3859523.74	13.19469	4.80E+00	5.39E+00	6.68E+00
5530	489232.59	3859522.85	13.8381	5.03E+00	5.65E+00	7.01E+00
5531	489224.98	3859759.91	8.59333	3.12E+00	3.51E+00	4.35E+00
5532	488401.39	3859763.34	5.45336	1.98E+00	2.23E+00	2.76E+00
5533	488405.51	3859966.16	5.19655	1.89E+00	2.12E+00	2.63E+00
5534	489202.85	3859956.57	7.17738	2.61E+00	2.93E+00	3.64E+00
5535	489191.9	3860676.74	3.52966	1.28E+00	1.44E+00	1.79E+00
5536	488392.82	3860687.88	3.06767	1.12E+00	1.25E+00	1.55E+00
5537	488392.82	3860760.27	2.99181	1.09E+00	1.22E+00	1.52E+00
5538	487549.05	3860777.45	2.56561	9.33E-01	1.05E+00	1.30E+00
5539	487554.62	3859571.83	4.7725	1.74E+00	1.95E+00	2.42E+00
5540	485949.46	3859558.54	3.20934	1.17E+00	1.31E+00	1.63E+00

5541	485947.55	3857943.61	6.26717	2.28E+00	2.56E+00	3.17E+00
5542	484738.38	3857940.21	4.03698	1.47E+00	1.65E+00	2.04E+00
5543	484737.06	3857535.68	4.16608	1.51E+00	1.70E+00	2.11E+00
5544	483730.2	3857530.13	3.5141	1.28E+00	1.44E+00	1.78E+00
5545	483727.27	3857130.01	3.48945	1.27E+00	1.43E+00	1.77E+00
5546	483124.42	3857123.45	3.21063	1.17E+00	1.31E+00	1.63E+00
5547	483111.13	3855921.03	3.38269	1.23E+00	1.38E+00	1.71E+00
5548	482701.73	3855918.24	2.78962	1.01E+00	1.14E+00	1.41E+00
5549	482668.02	3853521.78	10.86225	3.95E+00	4.44E+00	5.50E+00
5550	482579.91	3853219.19	17.41292	6.33E+00	7.11E+00	8.82E+00
5551	482434.06	3852961.94	27.01091	9.82E+00	1.10E+01	1.37E+01
5552	482332.11	3852832.85	30.71602	1.12E+01	1.25E+01	1.56E+01
5553	481334.99	3851818.96	34.77304	1.26E+01	1.42E+01	1.76E+01
5554	481127.62	3851646.36	29.89722	1.09E+01	1.22E+01	1.51E+01
5555	481025.04	3851591.73	30.07035	1.09E+01	1.23E+01	1.52E+01
5556	480513.6	3851335.76	30.72715	1.12E+01	1.26E+01	1.56E+01
5557	480523.56	3851317.66	35.78551	1.30E+01	1.46E+01	1.81E+01
5558	476921.56	3849569.11	37.24851	1.35E+01	1.52E+01	1.89E+01
5559	476521.19	3849373.96	40.62805	1.48E+01	1.66E+01	2.06E+01
5560	476391.45	3849333.38	35.88245	1.30E+01	1.47E+01	1.82E+01
5561	476219.41	3849304.29	33.90315	1.23E+01	1.38E+01	1.72E+01
5562	475679.11	3849218.47	39.92297	1.45E+01	1.63E+01	2.02E+01
5563	475677.71	3849233.88	35.68707	1.30E+01	1.46E+01	1.81E+01
5564	475492.74	3849204.66	41.0313	1.49E+01	1.68E+01	2.08E+01
5565	475497.64	3849158.75	52.2186	1.90E+01	2.13E+01	2.64E+01
5566	475391.35	3849141.94	45.94632	1.67E+01	1.88E+01	2.33E+01
5567	475277	3849095.47	47.81963	1.74E+01	1.95E+01	2.42E+01
5568	475183.93	3849025.66	56.4908	2.05E+01	2.31E+01	2.86E+01
5569	474453.23	3848378.77	52.45483	1.91E+01	2.14E+01	2.66E+01
5570	474569.63	3848399.34	51.79493	1.88E+01	2.12E+01	2.62E+01
5571	474644.33	3848464.52	50.79656	1.85E+01	2.08E+01	2.57E+01
5572	474719.04	3848529.7	49.30846	1.79E+01	2.01E+01	2.50E+01
5573	474793.74	3848594.88	46.66947	1.70E+01	1.91E+01	2.36E+01
5574	474868.45	3848660.07	45.65237	1.66E+01	1.86E+01	2.31E+01
5575	474943.15	3848725.25	45.53868	1.66E+01	1.86E+01	2.31E+01
5576	475017.86	3848790.43	45.94289	1.67E+01	1.88E+01	2.33E+01
5577	475092.56	3848855.61	46.12875	1.68E+01	1.88E+01	2.34E+01
5578	475232.58	3848959.38	45.59798	1.66E+01	1.86E+01	2.31E+01
5579	475368.47	3849029.98	49.59424	1.80E+01	2.03E+01	2.51E+01
5580	475609.57	3849096.09	52.44034	1.91E+01	2.14E+01	2.66E+01
5581	475680.68	3849116.62	56.6046	2.06E+01	2.31E+01	2.87E+01
5582	475843.76	3849151.52	61.46677	2.23E+01	2.51E+01	3.11E+01
5583	475935.73	3849165.89	62.16397	2.26E+01	2.54E+01	3.15E+01
5584	476027.71	3849180.27	58.95395	2.14E+01	2.41E+01	2.99E+01
5585	476119.68	3849194.64	70.65263	2.57E+01	2.89E+01	3.58E+01
5586	476211.65	3849209.01	75.64929	2.75E+01	3.09E+01	3.83E+01
5587	476497.81	3849283.9	80.00816	2.91E+01	3.27E+01	4.05E+01
5588	476603.73	3849323.77	82.38818	3.00E+01	3.37E+01	4.17E+01
5589	476728.99	3849382.76	79.12253	2.88E+01	3.23E+01	4.01E+01
5590	476801.27	3849418.65	77.44964	2.82E+01	3.16E+01	3.92E+01
5591	476956.2	3849495.05	81.29819	2.96E+01	3.32E+01	4.12E+01
5592	477038.84	3849535.56	76.89014	2.80E+01	3.14E+01	3.89E+01
5593	477121.49	3849576.08	76.98419	2.80E+01	3.14E+01	3.90E+01
5594	477204.13	3849616.6	77.58058	2.82E+01	3.17E+01	3.93E+01
5595	477286.78	3849657.12	77.79119	2.83E+01	3.18E+01	3.94E+01
5596	477369.42	3849697.63	78.76641	2.86E+01	3.22E+01	3.99E+01
5597	477452.07	3849738.15	79.10467	2.88E+01	3.23E+01	4.01E+01
5598	477534.71	3849778.67	78.39265	2.85E+01	3.20E+01	3.97E+01
5599	477617.36	3849819.18	78.54114	2.86E+01	3.21E+01	3.98E+01
5600	477824.74	3849896.37	59.60901	2.17E+01	2.44E+01	3.02E+01
5601	477906.31	3849936.37	66.30552	2.41E+01	2.71E+01	3.36E+01
5602	477987.89	3849976.36	62.86134	2.29E+01	2.57E+01	3.18E+01
5603	478069.47	3850016.36	66.6792	2.42E+01	2.72E+01	3.38E+01

5604	478151.04	3850056.35	68.42155	2.49E+01	2.80E+01	3.47E+01
5605	478232.62	3850096.35	68.68748	2.50E+01	2.81E+01	3.48E+01
5606	478314.2	3850136.34	69.1598	2.51E+01	2.83E+01	3.50E+01
5607	478395.77	3850176.34	69.30509	2.52E+01	2.83E+01	3.51E+01
5608	478575.43	3850244.45	56.55346	2.06E+01	2.31E+01	2.86E+01
5609	478665.06	3850287.29	55.26628	2.01E+01	2.26E+01	2.80E+01
5610	478754.69	3850330.14	53.26354	1.94E+01	2.18E+01	2.70E+01
5611	478844.32	3850372.99	52.89004	1.92E+01	2.16E+01	2.68E+01
5612	478933.95	3850415.84	52.70166	1.92E+01	2.15E+01	2.67E+01
5613	479023.58	3850458.68	52.83963	1.92E+01	2.16E+01	2.68E+01
5614	479110.66	3850441.91	36.67194	1.33E+01	1.50E+01	1.86E+01
5615	479191.22	3850423.99	29.57485	1.08E+01	1.21E+01	1.50E+01
5616	479274.32	3850465.71	29.76461	1.08E+01	1.22E+01	1.51E+01
5617	479357.43	3850507.42	30.5147	1.11E+01	1.25E+01	1.55E+01
5618	479440.53	3850549.14	31.25848	1.14E+01	1.28E+01	1.58E+01
5619	479523.64	3850590.85	31.02761	1.13E+01	1.27E+01	1.57E+01
5620	479606.74	3850632.57	30.49131	1.11E+01	1.25E+01	1.54E+01
5621	479777.37	3850707.61	29.38446	1.07E+01	1.20E+01	1.49E+01
5622	479864.9	3850740.95	29.91141	1.09E+01	1.22E+01	1.52E+01
5623	479931.87	3850829.57	34.36171	1.25E+01	1.40E+01	1.74E+01
5624	479995.55	3850926.75	51.89091	1.89E+01	2.12E+01	2.63E+01
5625	480079.78	3850968.64	51.3738	1.87E+01	2.10E+01	2.60E+01
5626	480164.01	3851010.54	51.27549	1.86E+01	2.09E+01	2.60E+01
5627	480248.23	3851052.43	49.64002	1.80E+01	2.03E+01	2.51E+01
5628	480332.46	3851094.33	49.70746	1.81E+01	2.03E+01	2.52E+01
5629	480416.69	3851136.22	51.46101	1.87E+01	2.10E+01	2.61E+01
5630	480579.95	3851215.17	55.09519	2.00E+01	2.25E+01	2.79E+01
5631	480658.98	3851252.22	56.82272	2.07E+01	2.32E+01	2.88E+01
5632	480817.36	3851327.85	60.80455	2.21E+01	2.48E+01	3.08E+01
5633	480896.72	3851366.43	62.36917	2.27E+01	2.55E+01	3.16E+01
5634	480976.07	3851405	65.17174	2.37E+01	2.66E+01	3.30E+01
5635	481178	3851487.31	45.96473	1.67E+01	1.88E+01	2.33E+01
5636	481244.9	3851557.17	51.79649	1.88E+01	2.12E+01	2.62E+01
5637	481311.81	3851627.03	62.52049	2.27E+01	2.55E+01	3.17E+01
5638	481378.71	3851696.89	66.14186	2.40E+01	2.70E+01	3.35E+01
5639	481445.61	3851766.76	64.14097	2.33E+01	2.62E+01	3.25E+01
5640	481512.51	3851836.62	63.1929	2.30E+01	2.58E+01	3.20E+01
5641	481579.42	3851906.48	60.01147	2.18E+01	2.45E+01	3.04E+01
5642	481646.32	3851976.34	56.63146	2.06E+01	2.31E+01	2.87E+01
5643	481713.22	3852046.2	55.68878	2.02E+01	2.27E+01	2.82E+01
5644	481780.12	3852116.06	54.83452	1.99E+01	2.24E+01	2.78E+01
5645	481847.03	3852185.92	52.47673	1.91E+01	2.14E+01	2.66E+01
5646	481913.93	3852255.78	50.73362	1.84E+01	2.07E+01	2.57E+01
5647	481980.83	3852325.65	50.89838	1.85E+01	2.08E+01	2.58E+01
5648	482047.73	3852395.51	51.33016	1.87E+01	2.10E+01	2.60E+01
5649	482114.64	3852465.37	50.69955	1.84E+01	2.07E+01	2.57E+01
5650	482181.54	3852535.23	51.4357	1.87E+01	2.10E+01	2.61E+01
5651	482338.69	3852700.05	50.60946	1.84E+01	2.07E+01	2.56E+01
5652	482404.05	3852767.78	50.98821	1.85E+01	2.08E+01	2.58E+01
5653	482469.4	3852835.52	51.24334	1.86E+01	2.09E+01	2.60E+01
5654	482534.75	3852903.25	52.05831	1.89E+01	2.13E+01	2.64E+01
5655	482600.11	3852970.99	51.11732	1.86E+01	2.09E+01	2.59E+01
5656	482706.71	3853119.28	55.24383	2.01E+01	2.26E+01	2.80E+01
5657	482747.96	3853199.84	54.98126	2.00E+01	2.25E+01	2.78E+01
5658	482789.21	3853280.4	52.80587	1.92E+01	2.16E+01	2.67E+01
5659	482830.46	3853360.96	49.63891	1.80E+01	2.03E+01	2.51E+01
5660	482871.71	3853441.52	44.40254	1.61E+01	1.81E+01	2.25E+01
5661	482912.95	3853522.07	39.4271	1.43E+01	1.61E+01	2.00E+01
5662	482954.2	3853602.63	32.31432	1.17E+01	1.32E+01	1.64E+01
5663	482995.45	3853683.19	26.552	9.65E+00	1.08E+01	1.34E+01
5664	483036.7	3853763.75	22.13903	8.05E+00	9.04E+00	1.12E+01
5665	483214.2	3853909.91	22.5413	8.20E+00	9.21E+00	1.14E+01
5666	483307.01	3853910.44	21.09171	7.67E+00	8.62E+00	1.07E+01

5667	483399.83	3853910.96	20.45698	7.44E+00	8.36E+00	1.04E+01
5668	483494.52	3854009.24	18.75901	6.82E+00	7.66E+00	9.50E+00
5669	483496.41	3854106.98	17.06518	6.20E+00	6.97E+00	8.64E+00
5670	483577.56	3854261.96	17.07689	6.21E+00	6.98E+00	8.65E+00
5671	483656.83	3854319.19	15.55802	5.66E+00	6.36E+00	7.88E+00
5672	483736.1	3854376.41	14.26571	5.19E+00	5.83E+00	7.23E+00
5673	483815.37	3854433.64	13.68721	4.98E+00	5.59E+00	6.93E+00
5674	483894.63	3854490.87	12.68617	4.61E+00	5.18E+00	6.43E+00
5675	483973.9	3854548.1	11.44581	4.16E+00	4.68E+00	5.80E+00
5676	484053.17	3854605.32	10.66108	3.88E+00	4.36E+00	5.40E+00
5677	484214.97	3854698.15	9.85505	3.58E+00	4.03E+00	4.99E+00
5678	484297.5	3854733.74	10.03969	3.65E+00	4.10E+00	5.09E+00
5679	484380.03	3854769.34	9.84386	3.58E+00	4.02E+00	4.99E+00
5680	484462.56	3854804.94	10.40199	3.78E+00	4.25E+00	5.27E+00
5681	484545.09	3854840.53	10.20363	3.71E+00	4.17E+00	5.17E+00
5682	484691.88	3854912.59	10.01489	3.64E+00	4.09E+00	5.07E+00
5683	484830.81	3855012.51	9.55841	3.48E+00	3.90E+00	4.84E+00
5684	484905.48	3855075.97	9.48212	3.45E+00	3.87E+00	4.80E+00
5685	484980.14	3855139.44	9.19653	3.34E+00	3.76E+00	4.66E+00
5686	485054.81	3855202.91	8.92267	3.24E+00	3.64E+00	4.52E+00
5687	485129.48	3855266.37	8.68472	3.16E+00	3.55E+00	4.40E+00
5688	485204.15	3855329.84	8.50492	3.09E+00	3.47E+00	4.31E+00
5689	485278.82	3855393.31	8.29659	3.02E+00	3.39E+00	4.20E+00
5690	485353.48	3855456.77	8.0664	2.93E+00	3.30E+00	4.09E+00
5691	485428.15	3855520.24	7.86677	2.86E+00	3.21E+00	3.98E+00
5692	485502.82	3855583.71	7.65758	2.78E+00	3.13E+00	3.88E+00
5693	485577.49	3855647.17	7.3853	2.68E+00	3.02E+00	3.74E+00
5694	485652.16	3855710.64	7.1232	2.59E+00	2.91E+00	3.61E+00
5695	485726.83	3855774.11	6.94445	2.52E+00	2.84E+00	3.52E+00
5696	485801.49	3855837.57	6.83782	2.49E+00	2.79E+00	3.46E+00
5697	485876.16	3855901.04	6.67979	2.43E+00	2.73E+00	3.38E+00
5698	485950.83	3855964.5	6.5772	2.39E+00	2.69E+00	3.33E+00
5699	486025.5	3856027.97	6.52344	2.37E+00	2.66E+00	3.30E+00
5700	486100.17	3856091.44	6.24482	2.27E+00	2.55E+00	3.16E+00
5701	486174.83	3856154.9	6.24361	2.27E+00	2.55E+00	3.16E+00
5702	486249.5	3856218.37	6.31257	2.29E+00	2.58E+00	3.20E+00
5703	486324.17	3856281.84	6.44839	2.34E+00	2.63E+00	3.27E+00
5704	486398.84	3856345.3	6.24955	2.27E+00	2.55E+00	3.17E+00
5705	486473.51	3856408.77	6.14859	2.24E+00	2.51E+00	3.11E+00
5706	486548.17	3856472.24	5.94913	2.16E+00	2.43E+00	3.01E+00
5707	486622.84	3856535.7	5.78242	2.10E+00	2.36E+00	2.93E+00
5708	486765.48	3856659.69	5.40817	1.97E+00	2.21E+00	2.74E+00
5709	486833.44	3856720.2	5.24	1.91E+00	2.14E+00	2.65E+00
5710	486901.41	3856780.72	5.27421	1.92E+00	2.15E+00	2.67E+00
5711	486969.38	3856841.24	5.42682	1.97E+00	2.22E+00	2.75E+00
5712	487037.34	3856901.75	5.57502	2.03E+00	2.28E+00	2.82E+00
5713	487271.23	3856855.51	4.95688	1.80E+00	2.02E+00	2.51E+00
5714	487368.96	3856857.29	4.79593	1.74E+00	1.96E+00	2.43E+00
5715	487466.68	3856859.06	4.57621	1.66E+00	1.87E+00	2.32E+00
5716	487636.44	3856930	4.45182	1.62E+00	1.82E+00	2.25E+00
5717	487709.57	3856928.43	4.43295	1.61E+00	1.81E+00	2.25E+00
5718	487782.55	3856841.96	4.46491	1.62E+00	1.82E+00	2.26E+00
5719	487849.83	3856754.74	4.63061	1.68E+00	1.89E+00	2.35E+00
5720	487918.03	3856819.39	4.41112	1.60E+00	1.80E+00	2.23E+00
5721	487918.8	3856886.37	4.294	1.56E+00	1.75E+00	2.17E+00
5722	488065.47	3857127.51	4.51564	1.64E+00	1.84E+00	2.29E+00
5723	488192.19	3857385.84	5.10674	1.86E+00	2.09E+00	2.59E+00
5724	488191.22	3857473.87	5.79665	2.11E+00	2.37E+00	2.94E+00
5725	488190.24	3857561.91	6.40801	2.33E+00	2.62E+00	3.25E+00
5726	488158.35	3857691.13	7.08973	2.58E+00	2.90E+00	3.59E+00
5727	488208.37	3857816.66	7.79494	2.83E+00	3.18E+00	3.95E+00
5728	488271.97	3857874.6	7.88028	2.86E+00	3.22E+00	3.99E+00
5729	488463.56	3857942.31	7.57408	2.75E+00	3.09E+00	3.84E+00

5730	488554.83	3857940.83	7.39854	2.69E+00	3.02E+00	3.75E+00
5731	488646.1	3857939.36	7.15523	2.60E+00	2.92E+00	3.62E+00
5732	488737.37	3857937.88	6.75242	2.45E+00	2.76E+00	3.42E+00
5733	488733.59	3857960.57	6.99969	2.54E+00	2.86E+00	3.55E+00
5734	488638.09	3857961.57	7.292	2.65E+00	2.98E+00	3.69E+00
5735	488542.6	3857962.56	7.55635	2.75E+00	3.09E+00	3.83E+00
5736	488447.1	3857963.56	7.67533	2.79E+00	3.14E+00	3.89E+00
5737	488254.28	3857890.36	8.09447	2.94E+00	3.31E+00	4.10E+00
5738	488191.69	3857833.06	8.0598	2.93E+00	3.29E+00	4.08E+00
5739	488129.5	3857907.43	8.9499	3.25E+00	3.66E+00	4.53E+00
5740	488196.47	3857968.74	8.81933	3.21E+00	3.60E+00	4.47E+00
5741	488263.44	3858030.04	8.74933	3.18E+00	3.57E+00	4.43E+00
5742	488400.64	3858132.9	8.9385	3.25E+00	3.65E+00	4.53E+00
5743	488519.89	3858218.38	9.23379	3.36E+00	3.77E+00	4.68E+00
5744	488647.97	3858214.99	8.04346	2.92E+00	3.29E+00	4.07E+00
5745	488727.05	3858167.67	7.86247	2.86E+00	3.21E+00	3.98E+00
5746	488806.12	3858120.35	7.72153	2.81E+00	3.15E+00	3.91E+00
5747	488885.2	3858073.03	7.15126	2.60E+00	2.92E+00	3.62E+00
5748	489055.76	3857991.18	6.64004	2.41E+00	2.71E+00	3.36E+00
5749	489245.39	3857944.55	6.84524	2.49E+00	2.80E+00	3.47E+00
5750	489430.63	3857930.91	5.44305	1.98E+00	2.22E+00	2.76E+00
5751	489517.74	3857929.36	5.37334	1.95E+00	2.20E+00	2.72E+00
5752	489604.86	3857927.82	5.36055	1.95E+00	2.19E+00	2.72E+00
5753	489691.97	3857926.28	4.88207	1.77E+00	1.99E+00	2.47E+00
5754	489779.08	3857924.73	4.80465	1.75E+00	1.96E+00	2.43E+00
5755	490017.55	3857875.09	3.64424	1.32E+00	1.49E+00	1.85E+00
5756	490033.82	3857960.81	4.1781	1.52E+00	1.71E+00	2.12E+00
5757	489959.15	3857987.49	4.89139	1.78E+00	2.00E+00	2.48E+00
5758	489791.49	3858016.12	4.91393	1.79E+00	2.01E+00	2.49E+00
5759	489698.51	3858018.07	5.43273	1.98E+00	2.22E+00	2.75E+00
5760	489605.52	3858020.02	5.5844	2.03E+00	2.28E+00	2.83E+00
5761	489512.53	3858021.96	5.58632	2.03E+00	2.28E+00	2.83E+00
5762	489419.55	3858023.91	6.59515	2.40E+00	2.69E+00	3.34E+00
5763	489228.47	3858041.29	6.79728	2.47E+00	2.78E+00	3.44E+00
5764	489065.75	3858085.78	6.97367	2.54E+00	2.85E+00	3.53E+00
5765	489001.12	3858114.86	6.90412	2.51E+00	2.82E+00	3.50E+00
5766	488861.89	3858189.81	8.13158	2.96E+00	3.32E+00	4.12E+00
5767	488787.29	3858235.69	8.08795	2.94E+00	3.30E+00	4.10E+00
5768	488712.68	3858281.57	8.32631	3.03E+00	3.40E+00	4.22E+00
5769	488654.39	3858436.17	11.77739	4.28E+00	4.81E+00	5.97E+00
5770	488726.31	3858505.26	12.35274	4.49E+00	5.05E+00	6.26E+00
5771	488880.6	3858599.28	12.29781	4.47E+00	5.02E+00	6.23E+00
5772	489008.06	3858714.75	13.6135	4.95E+00	5.56E+00	6.90E+00
5773	489071.48	3858772.72	14.67119	5.33E+00	5.99E+00	7.43E+00
5774	489244.6	3858920.2	17.64867	6.42E+00	7.21E+00	8.94E+00
5775	489239.69	3858952.23	19.64044	7.14E+00	8.02E+00	9.95E+00
5776	489121.67	3858854.49	17.32113	6.30E+00	7.08E+00	8.77E+00
5777	489059.59	3858797.27	15.92432	5.79E+00	6.51E+00	8.07E+00
5778	488997.52	3858740.04	14.76887	5.37E+00	6.03E+00	7.48E+00
5779	488935.44	3858682.82	13.87388	5.04E+00	5.67E+00	7.03E+00
5780	488869.17	3858848.43	36.36954	1.32E+01	1.49E+01	1.84E+01
5781	488932.48	3858892.69	38.71578	1.41E+01	1.58E+01	1.96E+01
5782	489063.27	3858977.17	41.05514	1.49E+01	1.68E+01	2.08E+01
5783	489248.2	3859117.15	59.92886	2.18E+01	2.45E+01	3.04E+01
5784	489296.25	3859049.22	26.08121	9.48E+00	1.07E+01	1.32E+01
5785	489353.38	3858993.97	18.74055	6.81E+00	7.66E+00	9.49E+00
5786	489537.25	3859120.22	21.13088	7.68E+00	8.63E+00	1.07E+01
5787	489726.98	3859246.04	24.13294	8.77E+00	9.86E+00	1.22E+01
5788	489911.46	3859366.33	28.17622	1.02E+01	1.15E+01	1.43E+01
5789	490035.3	3859430.26	30.23238	1.10E+01	1.24E+01	1.53E+01
5790	490101.11	3859458.61	30.70454	1.12E+01	1.25E+01	1.56E+01
5791	490312.68	3859560.3	34.22263	1.24E+01	1.40E+01	1.73E+01
5792	490401.63	3859603.12	35.92764	1.31E+01	1.47E+01	1.82E+01

5793	490490.57	3859645.94	37.48824	1.36E+01	1.53E+01	1.90E+01
5794	490579.51	3859688.76	38.7288	1.41E+01	1.58E+01	1.96E+01
5795	490668.45	3859731.58	38.87455	1.41E+01	1.59E+01	1.97E+01
5796	490757.4	3859774.4	40.01656	1.45E+01	1.63E+01	2.03E+01
5797	491003.53	3859861.82	29.8723	1.09E+01	1.22E+01	1.51E+01
5798	491081.41	3859879.05	27.08794	9.85E+00	1.11E+01	1.37E+01
5799	491229.76	3859917.82	24.15875	8.78E+00	9.87E+00	1.22E+01
5800	491300.22	3859939.35	23.33015	8.48E+00	9.53E+00	1.18E+01
5801	491350.49	3860012.03	28.9365	1.05E+01	1.18E+01	1.47E+01
5802	491406.82	3860092.57	33.72294	1.23E+01	1.38E+01	1.71E+01
5803	491483.37	3860121.96	30.92309	1.12E+01	1.26E+01	1.57E+01
5804	491559.91	3860151.36	28.30631	1.03E+01	1.16E+01	1.43E+01
5805	491711.81	3860237.76	26.34309	9.58E+00	1.08E+01	1.33E+01
5806	491755.2	3860319.07	26.49817	9.63E+00	1.08E+01	1.34E+01
5807	491704.71	3860366.54	37.73198	1.37E+01	1.54E+01	1.91E+01
5808	491623.43	3860462.39	30.77373	1.12E+01	1.26E+01	1.56E+01
5809	491534.02	3860439.85	21.90872	7.97E+00	8.95E+00	1.11E+01
5810	491313.95	3860268.18	21.3148	7.75E+00	8.71E+00	1.08E+01
5811	491187.12	3860143.56	33.89898	1.23E+01	1.38E+01	1.72E+01
5812	491070.43	3860075.97	29.8117	1.08E+01	1.22E+01	1.51E+01
5813	490995.09	3860039.39	30.39895	1.11E+01	1.24E+01	1.54E+01
5814	490919.75	3860002.8	32.20966	1.17E+01	1.32E+01	1.63E+01
5815	490756.81	3859894.53	51.56422	1.87E+01	2.11E+01	2.61E+01
5816	490668.07	3859860.92	49.78472	1.81E+01	2.03E+01	2.52E+01
5817	490579.34	3859827.3	49.39458	1.80E+01	2.02E+01	2.50E+01
5818	490490.6	3859793.68	47.516	1.73E+01	1.94E+01	2.41E+01
5819	490401.86	3859760.07	46.21702	1.68E+01	1.89E+01	2.34E+01
5820	490313.12	3859726.45	45.5399	1.66E+01	1.86E+01	2.31E+01
5821	490224.39	3859692.83	44.42748	1.62E+01	1.81E+01	2.25E+01
5822	490135.65	3859659.22	42.01753	1.53E+01	1.72E+01	2.13E+01
5823	489918.19	3859559.23	45.77065	1.66E+01	1.87E+01	2.32E+01
5824	489743.61	3859486	40.42318	1.47E+01	1.65E+01	2.05E+01
5825	489660.32	3859440.27	40.97264	1.49E+01	1.67E+01	2.08E+01
5826	489577.04	3859394.53	40.55161	1.47E+01	1.66E+01	2.05E+01
5827	489493.75	3859348.8	40.14708	1.46E+01	1.64E+01	2.03E+01
5828	489321.28	3859240.02	44.46823	1.62E+01	1.82E+01	2.25E+01
5829	489235.41	3859193.96	44.57302	1.62E+01	1.82E+01	2.26E+01
5830	489149.54	3859147.89	43.7907	1.59E+01	1.79E+01	2.22E+01
5831	489063.68	3859101.82	43.31299	1.57E+01	1.77E+01	2.19E+01
5832	488977.81	3859055.75	42.27894	1.54E+01	1.73E+01	2.14E+01
5833	488891.94	3859009.69	39.8536	1.45E+01	1.63E+01	2.02E+01
5834	488808	3859060.73	23.77939	8.65E+00	9.71E+00	1.20E+01
5835	488809.93	3859157.85	17.862	6.49E+00	7.30E+00	9.05E+00
5836	488811.86	3859254.96	14.3369	5.21E+00	5.86E+00	7.26E+00
5837	488813.78	3859352.07	12.22004	4.44E+00	4.99E+00	6.19E+00
5838	488815.71	3859449.19	10.72193	3.90E+00	4.38E+00	5.43E+00
5839	488910.04	3859547.11	9.73149	3.54E+00	3.98E+00	4.93E+00
5840	489002.45	3859547.91	10.51392	3.82E+00	4.30E+00	5.33E+00
5841	489094.85	3859548.72	11.43862	4.16E+00	4.67E+00	5.79E+00
5842	489230.05	3859601.87	11.27504	4.10E+00	4.61E+00	5.71E+00
5843	489227.52	3859680.89	9.49184	3.45E+00	3.88E+00	4.81E+00
5844	489133.47	3859760.29	8.09127	2.94E+00	3.31E+00	4.10E+00
5845	489041.96	3859760.67	7.62674	2.77E+00	3.12E+00	3.86E+00
5846	488950.45	3859761.05	7.19222	2.61E+00	2.94E+00	3.64E+00
5847	488858.94	3859761.43	6.82669	2.48E+00	2.79E+00	3.46E+00
5848	488767.43	3859761.82	6.43644	2.34E+00	2.63E+00	3.26E+00
5849	488675.92	3859762.2	6.15107	2.24E+00	2.51E+00	3.12E+00
5850	488584.41	3859762.58	5.89341	2.14E+00	2.41E+00	2.99E+00
5851	488492.9	3859762.96	5.67599	2.06E+00	2.32E+00	2.87E+00
5852	488402.76	3859830.95	5.33315	1.94E+00	2.18E+00	2.70E+00
5853	488404.14	3859898.55	5.26728	1.91E+00	2.15E+00	2.67E+00
5854	488505.18	3859964.96	5.39798	1.96E+00	2.21E+00	2.73E+00
5855	488604.85	3859963.76	5.61333	2.04E+00	2.29E+00	2.84E+00

5856	488704.51	3859962.56	5.8493	2.13E+00	2.39E+00	2.96E+00
5857	488804.18	3859961.37	6.10507	2.22E+00	2.49E+00	3.09E+00
5858	488903.85	3859960.17	6.36878	2.32E+00	2.60E+00	3.23E+00
5859	489003.52	3859958.97	6.6193	2.41E+00	2.70E+00	3.35E+00
5860	489103.18	3859957.77	6.87826	2.50E+00	2.81E+00	3.48E+00
5861	489201.48	3860046.59	6.53861	2.38E+00	2.67E+00	3.31E+00
5862	489200.11	3860136.61	5.87624	2.14E+00	2.40E+00	2.98E+00
5863	489198.74	3860226.63	5.21962	1.90E+00	2.13E+00	2.64E+00
5864	489197.38	3860316.66	4.63886	1.69E+00	1.90E+00	2.35E+00
5865	489196.01	3860406.68	4.21151	1.53E+00	1.72E+00	2.13E+00
5866	489194.64	3860496.7	3.91293	1.42E+00	1.60E+00	1.98E+00
5867	489193.27	3860586.72	3.72208	1.35E+00	1.52E+00	1.89E+00
5868	489092.02	3860678.13	3.43579	1.25E+00	1.40E+00	1.74E+00
5869	488992.13	3860679.53	3.34834	1.22E+00	1.37E+00	1.70E+00
5870	488892.25	3860680.92	3.27177	1.19E+00	1.34E+00	1.66E+00
5871	488792.36	3860682.31	3.19601	1.16E+00	1.31E+00	1.62E+00
5872	488692.48	3860683.7	3.13247	1.14E+00	1.28E+00	1.59E+00
5873	488592.59	3860685.1	3.0572	1.11E+00	1.25E+00	1.55E+00
5874	488492.71	3860686.49	3.04568	1.11E+00	1.24E+00	1.54E+00
5875	488299.07	3860762.18	2.97605	1.08E+00	1.22E+00	1.51E+00
5876	488205.32	3860764.09	2.91222	1.06E+00	1.19E+00	1.48E+00
5877	488111.56	3860766	2.83315	1.03E+00	1.16E+00	1.44E+00
5878	488017.81	3860767.91	2.7551	1.00E+00	1.13E+00	1.40E+00
5879	487924.06	3860769.81	2.6927	9.79E-01	1.10E+00	1.36E+00
5880	487830.31	3860771.72	2.6409	9.60E-01	1.08E+00	1.34E+00
5881	487736.55	3860773.63	2.59807	9.45E-01	1.06E+00	1.32E+00
5882	487642.8	3860775.54	2.5725	9.35E-01	1.05E+00	1.30E+00
5883	487549.48	3860684.71	2.67637	9.73E-01	1.09E+00	1.36E+00
5884	487549.91	3860591.97	2.84996	1.04E+00	1.16E+00	1.44E+00
5885	487550.34	3860499.23	3.0648	1.11E+00	1.25E+00	1.55E+00
5886	487550.76	3860406.49	3.29598	1.20E+00	1.35E+00	1.67E+00
5887	487551.19	3860313.75	3.49242	1.27E+00	1.43E+00	1.77E+00
5888	487551.62	3860221.01	3.65749	1.33E+00	1.49E+00	1.85E+00
5889	487552.05	3860128.27	3.80399	1.38E+00	1.55E+00	1.93E+00
5890	487552.48	3860035.53	3.87769	1.41E+00	1.58E+00	1.96E+00
5891	487552.91	3859942.79	3.85302	1.40E+00	1.57E+00	1.95E+00
5892	487553.33	3859850.05	3.8974	1.42E+00	1.59E+00	1.97E+00
5893	487553.76	3859757.31	4.1368	1.50E+00	1.69E+00	2.10E+00
5894	487554.19	3859664.57	4.46442	1.62E+00	1.82E+00	2.26E+00
5895	487460.2	3859571.05	4.59436	1.67E+00	1.88E+00	2.33E+00
5896	487365.78	3859570.27	4.47653	1.63E+00	1.83E+00	2.27E+00
5897	487271.36	3859569.48	4.36033	1.59E+00	1.78E+00	2.21E+00
5898	487176.94	3859568.7	4.24911	1.54E+00	1.74E+00	2.15E+00
5899	487082.51	3859567.92	4.14982	1.51E+00	1.70E+00	2.10E+00
5900	486988.09	3859567.14	4.0523	1.47E+00	1.66E+00	2.05E+00
5901	486893.67	3859566.36	3.95991	1.44E+00	1.62E+00	2.01E+00
5902	486799.25	3859565.58	3.86982	1.41E+00	1.58E+00	1.96E+00
5903	486704.83	3859564.79	3.78489	1.38E+00	1.55E+00	1.92E+00
5904	486610.41	3859564.01	3.70499	1.35E+00	1.51E+00	1.88E+00
5905	486515.99	3859563.23	3.61822	1.32E+00	1.48E+00	1.83E+00
5906	486421.57	3859562.45	3.54182	1.29E+00	1.45E+00	1.79E+00
5907	486327.14	3859561.67	3.47512	1.26E+00	1.42E+00	1.76E+00
5908	486232.72	3859560.89	3.4018	1.24E+00	1.39E+00	1.72E+00
5909	486138.3	3859560.1	3.33561	1.21E+00	1.36E+00	1.69E+00
5910	486043.88	3859559.32	3.27089	1.19E+00	1.34E+00	1.66E+00
5911	485949.35	3859463.54	3.33219	1.21E+00	1.36E+00	1.69E+00
5912	485949.24	3859368.55	3.42386	1.24E+00	1.40E+00	1.73E+00
5913	485949.12	3859273.55	3.61468	1.31E+00	1.48E+00	1.83E+00
5914	485949.01	3859178.56	3.8128	1.39E+00	1.56E+00	1.93E+00
5915	485948.9	3859083.56	4.14814	1.51E+00	1.69E+00	2.10E+00
5916	485948.79	3858988.56	4.36607	1.59E+00	1.78E+00	2.21E+00
5917	485948.67	3858893.57	4.43703	1.61E+00	1.81E+00	2.25E+00
5918	485948.56	3858798.57	4.45461	1.62E+00	1.82E+00	2.26E+00

5919	485948.45	3858703.58	5.00965	1.82E+00	2.05E+00	2.54E+00
5920	485948.34	3858608.58	5.57602	2.03E+00	2.28E+00	2.82E+00
5921	485948.22	3858513.59	5.73256	2.08E+00	2.34E+00	2.90E+00
5922	485948.11	3858418.59	5.40721	1.97E+00	2.21E+00	2.74E+00
5923	485948	3858323.59	5.25103	1.91E+00	2.15E+00	2.66E+00
5924	485947.89	3858228.6	5.76687	2.10E+00	2.36E+00	2.92E+00
5925	485947.77	3858133.6	6.03739	2.19E+00	2.47E+00	3.06E+00
5926	485947.66	3858038.61	5.92515	2.15E+00	2.42E+00	3.00E+00
5927	485854.54	3857943.35	5.66818	2.06E+00	2.32E+00	2.87E+00
5928	485761.52	3857943.09	5.39962	1.96E+00	2.21E+00	2.73E+00
5929	485668.51	3857942.83	5.44581	1.98E+00	2.22E+00	2.76E+00
5930	485575.5	3857942.56	5.41087	1.97E+00	2.21E+00	2.74E+00
5931	485482.48	3857942.3	5.32999	1.94E+00	2.18E+00	2.70E+00
5932	485389.47	3857942.04	5.1956	1.89E+00	2.12E+00	2.63E+00
5933	485296.46	3857941.78	5.01986	1.82E+00	2.05E+00	2.54E+00
5934	485203.45	3857941.52	4.8389	1.76E+00	1.98E+00	2.45E+00
5935	485110.43	3857941.26	4.69608	1.71E+00	1.92E+00	2.38E+00
5936	485017.42	3857940.99	4.5428	1.65E+00	1.86E+00	2.30E+00
5937	484924.41	3857940.73	4.373	1.59E+00	1.79E+00	2.21E+00
5938	484831.39	3857940.47	4.19099	1.52E+00	1.71E+00	2.12E+00
5939	484738.12	3857859.3	4.2441	1.54E+00	1.73E+00	2.15E+00
5940	484737.85	3857778.4	4.36038	1.59E+00	1.78E+00	2.21E+00
5941	484737.59	3857697.49	4.44779	1.62E+00	1.82E+00	2.25E+00
5942	484737.32	3857616.59	4.25757	1.55E+00	1.74E+00	2.16E+00
5943	484645.53	3857535.18	4.04152	1.47E+00	1.65E+00	2.05E+00
5944	484553.99	3857534.67	4.00449	1.46E+00	1.64E+00	2.03E+00
5945	484462.46	3857534.17	4.04301	1.47E+00	1.65E+00	2.05E+00
5946	484370.93	3857533.66	4.04552	1.47E+00	1.65E+00	2.05E+00
5947	484279.4	3857533.16	4.0229	1.46E+00	1.64E+00	2.04E+00
5948	484187.86	3857532.65	3.96613	1.44E+00	1.62E+00	2.01E+00
5949	484096.33	3857532.15	3.89164	1.41E+00	1.59E+00	1.97E+00
5950	484004.8	3857531.64	3.78682	1.38E+00	1.55E+00	1.92E+00
5951	483913.27	3857531.14	3.64354	1.32E+00	1.49E+00	1.85E+00
5952	483821.73	3857530.63	3.55972	1.29E+00	1.45E+00	1.80E+00
5953	483729.61	3857450.11	3.56264	1.30E+00	1.46E+00	1.80E+00
5954	483729.03	3857370.08	3.62068	1.32E+00	1.48E+00	1.83E+00
5955	483728.44	3857290.06	3.49535	1.27E+00	1.43E+00	1.77E+00
5956	483727.86	3857210.03	3.34946	1.22E+00	1.37E+00	1.70E+00
5957	483641.15	3857129.07	3.32806	1.21E+00	1.36E+00	1.69E+00
5958	483555.03	3857128.14	3.21604	1.17E+00	1.31E+00	1.63E+00
5959	483468.91	3857127.2	3.18597	1.16E+00	1.30E+00	1.61E+00
5960	483382.78	3857126.26	3.17123	1.15E+00	1.30E+00	1.61E+00
5961	483296.66	3857125.32	3.17449	1.15E+00	1.30E+00	1.61E+00
5962	483210.54	3857124.39	3.19128	1.16E+00	1.30E+00	1.62E+00
5963	483123.4	3857030.96	3.01469	1.10E+00	1.23E+00	1.53E+00
5964	483122.38	3856938.46	3.00159	1.09E+00	1.23E+00	1.52E+00
5965	483121.35	3856845.97	3.27067	1.19E+00	1.34E+00	1.66E+00
5966	483120.33	3856753.47	3.31281	1.20E+00	1.35E+00	1.68E+00
5967	483119.31	3856660.98	3.15062	1.15E+00	1.29E+00	1.60E+00
5968	483118.29	3856568.49	3.18014	1.16E+00	1.30E+00	1.61E+00
5969	483117.26	3856475.99	3.27942	1.19E+00	1.34E+00	1.66E+00
5970	483116.24	3856383.5	3.38582	1.23E+00	1.38E+00	1.71E+00
5971	483115.22	3856291.01	3.39832	1.24E+00	1.39E+00	1.72E+00
5972	483114.2	3856198.51	3.18533	1.16E+00	1.30E+00	1.61E+00
5973	483113.17	3856106.02	2.95713	1.08E+00	1.21E+00	1.50E+00
5974	483112.15	3856013.52	3.19511	1.16E+00	1.31E+00	1.62E+00
5975	483029.25	3855920.47	3.30501	1.20E+00	1.35E+00	1.67E+00
5976	482947.37	3855919.91	3.15457	1.15E+00	1.29E+00	1.60E+00
5977	482865.49	3855919.36	2.97114	1.08E+00	1.21E+00	1.50E+00
5978	482783.61	3855918.8	2.79117	1.01E+00	1.14E+00	1.41E+00
5979	482700.33	3855818.39	2.95045	1.07E+00	1.21E+00	1.49E+00
5980	482698.92	3855718.54	3.23235	1.18E+00	1.32E+00	1.64E+00
5981	482697.52	3855618.68	3.28971	1.20E+00	1.34E+00	1.67E+00

5982	482696.11	3855518.83	3.27567	1.19E+00	1.34E+00	1.66E+00
5983	482694.71	3855418.98	3.09812	1.13E+00	1.27E+00	1.57E+00
5984	482693.3	3855319.13	3.17327	1.15E+00	1.30E+00	1.61E+00
5985	482691.9	3855219.27	3.2743	1.19E+00	1.34E+00	1.66E+00
5986	482690.49	3855119.42	3.08937	1.12E+00	1.26E+00	1.56E+00
5987	482689.09	3855019.57	3.67105	1.33E+00	1.50E+00	1.86E+00
5988	482687.68	3854919.72	3.8306	1.39E+00	1.56E+00	1.94E+00
5989	482686.28	3854819.86	3.77569	1.37E+00	1.54E+00	1.91E+00
5990	482684.88	3854720.01	3.78835	1.38E+00	1.55E+00	1.92E+00
5991	482683.47	3854620.16	4.03412	1.47E+00	1.65E+00	2.04E+00
5992	482682.07	3854520.31	4.29429	1.56E+00	1.75E+00	2.18E+00
5993	482680.66	3854420.45	4.58362	1.67E+00	1.87E+00	2.32E+00
5994	482679.26	3854320.6	4.90445	1.78E+00	2.00E+00	2.48E+00
5995	482677.85	3854220.75	5.26526	1.91E+00	2.15E+00	2.67E+00
5996	482676.45	3854120.9	5.66333	2.06E+00	2.31E+00	2.87E+00
5997	482675.04	3854021.04	6.14198	2.23E+00	2.51E+00	3.11E+00
5998	482673.64	3853921.19	6.63488	2.41E+00	2.71E+00	3.36E+00
5999	482672.23	3853821.34	7.51224	2.73E+00	3.07E+00	3.81E+00
6000	482670.83	3853721.49	8.45792	3.07E+00	3.46E+00	4.28E+00
6001	482669.42	3853621.63	9.34053	3.40E+00	3.82E+00	4.73E+00
6002	482645.99	3853446.13	12.09384	4.40E+00	4.94E+00	6.13E+00
6003	482623.97	3853370.49	13.499	4.91E+00	5.51E+00	6.84E+00
6004	482601.94	3853294.84	15.21888	5.53E+00	6.22E+00	7.71E+00
6005	482531.29	3853133.44	19.31208	7.02E+00	7.89E+00	9.78E+00
6006	482482.68	3853047.69	22.39732	8.14E+00	9.15E+00	1.13E+01
6007	482383.09	3852897.4	28.70903	1.04E+01	1.17E+01	1.45E+01
6008	482265.64	3852765.26	29.81272	1.08E+01	1.22E+01	1.51E+01
6009	482199.16	3852697.66	29.00075	1.05E+01	1.18E+01	1.47E+01
6010	482132.69	3852630.07	29.52278	1.07E+01	1.21E+01	1.50E+01
6011	482066.21	3852562.48	30.75069	1.12E+01	1.26E+01	1.56E+01
6012	481999.74	3852494.89	31.65636	1.15E+01	1.29E+01	1.60E+01
6013	481933.26	3852427.29	32.36796	1.18E+01	1.32E+01	1.64E+01
6014	481866.79	3852359.7	33.10724	1.20E+01	1.35E+01	1.68E+01
6015	481800.31	3852292.11	33.70602	1.23E+01	1.38E+01	1.71E+01
6016	481733.84	3852224.52	34.11665	1.24E+01	1.39E+01	1.73E+01
6017	481667.36	3852156.92	34.4526	1.25E+01	1.41E+01	1.75E+01
6018	481600.89	3852089.33	34.60425	1.26E+01	1.41E+01	1.75E+01
6019	481534.41	3852021.74	34.51383	1.25E+01	1.41E+01	1.75E+01
6020	481467.94	3851954.15	34.45286	1.25E+01	1.41E+01	1.75E+01
6021	481401.46	3851886.55	34.72037	1.26E+01	1.42E+01	1.76E+01
6022	481265.87	3851761.43	32.68596	1.19E+01	1.34E+01	1.66E+01
6023	481196.74	3851703.89	31.16163	1.13E+01	1.27E+01	1.58E+01
6024	481076.33	3851619.05	29.77096	1.08E+01	1.22E+01	1.51E+01
6025	480939.8	3851549.07	30.30478	1.10E+01	1.24E+01	1.53E+01
6026	480854.56	3851506.41	30.41312	1.11E+01	1.24E+01	1.54E+01
6027	480769.32	3851463.75	30.66745	1.11E+01	1.25E+01	1.55E+01
6028	480684.08	3851421.08	30.93223	1.12E+01	1.26E+01	1.57E+01
6029	480598.84	3851378.42	30.79191	1.12E+01	1.26E+01	1.56E+01
6030	480435.71	3851275.01	35.77825	1.30E+01	1.46E+01	1.81E+01
6031	480347.85	3851232.36	35.50529	1.29E+01	1.45E+01	1.80E+01
6032	480260	3851189.72	35.33425	1.28E+01	1.44E+01	1.79E+01
6033	480172.15	3851147.07	35.23914	1.28E+01	1.44E+01	1.78E+01
6034	480084.29	3851104.42	35.36269	1.29E+01	1.44E+01	1.79E+01
6035	479996.44	3851061.77	35.67973	1.30E+01	1.46E+01	1.81E+01
6036	479908.58	3851019.13	37.30185	1.36E+01	1.52E+01	1.89E+01
6037	479820.73	3850976.48	37.51498	1.36E+01	1.53E+01	1.90E+01
6038	479732.88	3850933.83	37.68485	1.37E+01	1.54E+01	1.91E+01
6039	479645.02	3850891.18	37.72382	1.37E+01	1.54E+01	1.91E+01
6040	479557.17	3850848.54	37.53918	1.36E+01	1.53E+01	1.90E+01
6041	479469.32	3850805.89	37.9323	1.38E+01	1.55E+01	1.92E+01
6042	479381.46	3850763.24	37.42738	1.36E+01	1.53E+01	1.90E+01
6043	479293.61	3850720.59	36.03471	1.31E+01	1.47E+01	1.83E+01
6044	479205.76	3850677.95	34.68763	1.26E+01	1.42E+01	1.76E+01

6045	479117.9	3850635.3	33.1591	1.21E+01	1.35E+01	1.68E+01
6046	479030.05	3850592.65	32.31831	1.17E+01	1.32E+01	1.64E+01
6047	478942.19	3850550	32.70867	1.19E+01	1.34E+01	1.66E+01
6048	478854.34	3850507.36	35.27211	1.28E+01	1.44E+01	1.79E+01
6049	478766.49	3850464.71	36.23778	1.32E+01	1.48E+01	1.84E+01
6050	478678.63	3850422.06	36.6682	1.33E+01	1.50E+01	1.86E+01
6051	478590.78	3850379.41	37.93725	1.38E+01	1.55E+01	1.92E+01
6052	478502.93	3850336.77	39.09842	1.42E+01	1.60E+01	1.98E+01
6053	478415.07	3850294.12	39.37347	1.43E+01	1.61E+01	1.99E+01
6054	478327.22	3850251.47	41.03152	1.49E+01	1.68E+01	2.08E+01
6055	478239.36	3850208.82	41.74507	1.52E+01	1.71E+01	2.11E+01
6056	478151.51	3850166.18	41.82529	1.52E+01	1.71E+01	2.12E+01
6057	478063.66	3850123.53	41.96675	1.53E+01	1.71E+01	2.13E+01
6058	477975.8	3850080.88	36.44502	1.32E+01	1.49E+01	1.85E+01
6059	477887.95	3850038.23	35.51322	1.29E+01	1.45E+01	1.80E+01
6060	477800.1	3849995.59	34.54082	1.26E+01	1.41E+01	1.75E+01
6061	477712.24	3849952.94	34.54093	1.26E+01	1.41E+01	1.75E+01
6062	477624.39	3849910.29	34.59932	1.26E+01	1.41E+01	1.75E+01
6063	477536.54	3849867.64	34.43003	1.25E+01	1.41E+01	1.74E+01
6064	477448.68	3849825	34.7465	1.26E+01	1.42E+01	1.76E+01
6065	477360.83	3849782.35	34.92442	1.27E+01	1.43E+01	1.77E+01
6066	477272.97	3849739.7	35.05071	1.27E+01	1.43E+01	1.78E+01
6067	477185.12	3849697.05	35.00913	1.27E+01	1.43E+01	1.77E+01
6068	477097.27	3849654.41	35.34628	1.29E+01	1.44E+01	1.79E+01
6069	477009.41	3849611.76	36.42712	1.32E+01	1.49E+01	1.85E+01
6070	476841.49	3849530.08	37.31618	1.36E+01	1.52E+01	1.89E+01
6071	476761.41	3849491.05	37.12977	1.35E+01	1.52E+01	1.88E+01
6072	476681.34	3849452.02	37.78795	1.37E+01	1.54E+01	1.91E+01
6073	476601.26	3849412.99	38.699	1.41E+01	1.58E+01	1.96E+01
6074	476456.32	3849353.67	39.59211	1.44E+01	1.62E+01	2.01E+01
6075	476305.43	3849318.84	33.83964	1.23E+01	1.38E+01	1.71E+01
6076	476129.36	3849289.99	33.08688	1.20E+01	1.35E+01	1.68E+01
6077	476039.31	3849275.68	32.53604	1.18E+01	1.33E+01	1.65E+01
6078	475949.26	3849261.38	34.58864	1.26E+01	1.41E+01	1.75E+01
6079	475859.21	3849247.08	36.24933	1.32E+01	1.48E+01	1.84E+01
6080	475769.16	3849232.77	38.25379	1.39E+01	1.56E+01	1.94E+01
6081	475585.23	3849219.27	40.91094	1.49E+01	1.67E+01	2.07E+01
6082	475444.5	3849150.35	49.88439	1.81E+01	2.04E+01	2.53E+01
6083	475334.18	3849118.71	48.50251	1.76E+01	1.98E+01	2.46E+01
6084	475230.47	3849060.57	54.38455	1.98E+01	2.22E+01	2.75E+01
6085	475110.86	3848960.97	64.23502	2.34E+01	2.62E+01	3.25E+01
6086	475037.79	3848896.28	63.89166	2.32E+01	2.61E+01	3.24E+01
6087	474964.72	3848831.59	64.14635	2.33E+01	2.62E+01	3.25E+01
6088	474891.65	3848766.9	63.17665	2.30E+01	2.58E+01	3.20E+01
6089	474818.58	3848702.22	61.10664	2.22E+01	2.50E+01	3.10E+01
6090	474745.51	3848637.53	53.39313	1.94E+01	2.18E+01	2.70E+01
6091	474672.44	3848572.84	50.60462	1.84E+01	2.07E+01	2.56E+01
6092	474599.37	3848508.15	51.67369	1.88E+01	2.11E+01	2.62E+01
6093	474526.3	3848443.46	51.06987	1.86E+01	2.09E+01	2.59E+01

			CO		2028 RD	2033 RD	2048 RD
			8 hr	Rates (g/s)	3.64E-01	4.09E-01	5.07E-01
			Concentration [ug/m^3] at 1 g/s				
	X	Y	Leads (SLINE1A, 1B)		Leads	Leads	Leads
1	485973.61	3854936.51	1.23133		4.48E-01	5.03E-01	6.24E-01
2	486023.61	3854936.51	1.23559		4.49E-01	5.05E-01	6.26E-01
3	486073.61	3854936.51	1.23779		4.50E-01	5.06E-01	6.27E-01
4	486123.61	3854936.51	1.2192		4.43E-01	4.98E-01	6.18E-01
5	486173.61	3854936.51	1.25641		4.57E-01	5.13E-01	6.36E-01
6	486223.61	3854936.51	1.31163		4.77E-01	5.36E-01	6.64E-01
7	486273.61	3854936.51	1.36807		4.97E-01	5.59E-01	6.93E-01
8	486323.61	3854936.51	1.42181		5.17E-01	5.81E-01	7.20E-01
9	485973.61	3854986.51	1.19878		4.36E-01	4.90E-01	6.07E-01
10	486023.61	3854986.51	1.21478		4.42E-01	4.96E-01	6.15E-01
11	486073.61	3854986.51	1.22121		4.44E-01	4.99E-01	6.19E-01
12	486123.61	3854986.51	1.22257		4.44E-01	4.99E-01	6.19E-01
13	486173.61	3854986.51	1.22327		4.45E-01	5.00E-01	6.20E-01
14	486223.61	3854986.51	1.20904		4.40E-01	4.94E-01	6.12E-01
15	486273.61	3854986.51	1.26035		4.58E-01	5.15E-01	6.38E-01
16	486323.61	3854986.51	1.32726		4.83E-01	5.42E-01	6.72E-01
17	485973.61	3855036.51	1.15576		4.20E-01	4.72E-01	5.85E-01
18	486023.61	3855036.51	1.17787		4.28E-01	4.81E-01	5.97E-01
19	486073.61	3855036.51	1.18994		4.33E-01	4.86E-01	6.03E-01
20	486123.61	3855036.51	1.20078		4.37E-01	4.91E-01	6.08E-01
21	486173.61	3855036.51	1.21263		4.41E-01	4.95E-01	6.14E-01
22	486223.61	3855036.51	1.207		4.39E-01	4.93E-01	6.11E-01
23	486273.61	3855036.51	1.20706		4.39E-01	4.93E-01	6.11E-01
24	486323.61	3855036.51	1.21825		4.43E-01	4.98E-01	6.17E-01
25	485973.61	3855086.51	1.18009		4.29E-01	4.82E-01	5.98E-01
26	486023.61	3855086.51	1.14258		4.15E-01	4.67E-01	5.79E-01
27	486073.61	3855086.51	1.15053		4.18E-01	4.70E-01	5.83E-01
28	486123.61	3855086.51	1.17335		4.27E-01	4.79E-01	5.94E-01
29	486173.61	3855086.51	1.18392		4.30E-01	4.84E-01	6.00E-01
30	486223.61	3855086.51	1.19509		4.34E-01	4.88E-01	6.05E-01
31	485973.61	3855136.51	1.21633		4.42E-01	4.97E-01	6.16E-01
32	486023.61	3855136.51	1.18285		4.30E-01	4.83E-01	5.99E-01
33	486073.61	3855136.51	1.14395		4.16E-01	4.67E-01	5.79E-01
34	486123.61	3855136.51	1.12937		4.11E-01	4.61E-01	5.72E-01
35	486173.61	3855136.51	1.14978		4.18E-01	4.70E-01	5.82E-01
36	486223.61	3855136.51	1.16667		4.24E-01	4.77E-01	5.91E-01
37	485973.61	3855186.51	1.23584		4.49E-01	5.05E-01	6.26E-01
38	486023.61	3855186.51	1.21384		4.41E-01	4.96E-01	6.15E-01
39	486073.61	3855186.51	1.18045		4.29E-01	4.82E-01	5.98E-01
40	486123.61	3855186.51	1.14186		4.15E-01	4.66E-01	5.78E-01
41	486173.61	3855186.51	1.10346		4.01E-01	4.51E-01	5.59E-01
42	486223.61	3855186.51	1.12366		4.09E-01	4.59E-01	5.69E-01
43	486273.61	3855186.51	1.14167		4.15E-01	4.66E-01	5.78E-01
44	486323.61	3855186.51	1.17004		4.25E-01	4.78E-01	5.93E-01
45	485973.61	3855236.51	1.23927		4.51E-01	5.06E-01	6.28E-01
46	486023.61	3855236.51	1.22387		4.45E-01	5.00E-01	6.20E-01
47	486073.61	3855236.51	1.20049		4.36E-01	4.90E-01	6.08E-01
48	486123.61	3855236.51	1.17333		4.27E-01	4.79E-01	5.94E-01
49	486173.61	3855236.51	1.14118		4.15E-01	4.66E-01	5.78E-01
50	486223.61	3855236.51	1.1039		4.01E-01	4.51E-01	5.59E-01
51	486273.61	3855236.51	1.08914		3.96E-01	4.45E-01	5.52E-01
52	486323.61	3855236.51	1.13078		4.11E-01	4.62E-01	5.73E-01
53	485973.61	3855286.51	1.27952		4.65E-01	5.23E-01	6.48E-01
54	486023.61	3855286.51	1.22022		4.44E-01	4.98E-01	6.18E-01
55	486073.61	3855286.51	1.20917		4.40E-01	4.94E-01	6.12E-01
56	486123.61	3855286.51	1.18996		4.33E-01	4.86E-01	6.03E-01
57	486173.61	3855286.51	1.16447		4.23E-01	4.76E-01	5.90E-01
58	486223.61	3855286.51	1.1364		4.13E-01	4.64E-01	5.76E-01
59	486123.61	3855336.51	1.1912		4.33E-01	4.87E-01	6.03E-01

60	486173.61	3855336.51	1.1787	4.29E-01	4.82E-01	5.97E-01
61	486223.61	3855336.51	1.15763	4.21E-01	4.73E-01	5.86E-01
62	486123.61	3855386.51	1.20711	4.39E-01	4.93E-01	6.11E-01
63	486173.61	3855386.51	1.17646	4.28E-01	4.81E-01	5.96E-01
64	486223.61	3855386.51	1.16712	4.24E-01	4.77E-01	5.91E-01
65	486533.18	3855443.15	1.04281	3.79E-01	4.26E-01	5.28E-01
66	486583.18	3855443.15	1.04929	3.81E-01	4.29E-01	5.31E-01
67	486633.18	3855443.15	1.07241	3.90E-01	4.38E-01	5.43E-01
68	486683.18	3855443.15	1.09313	3.97E-01	4.47E-01	5.54E-01
69	486533.18	3855493.15	1.0707	3.89E-01	4.37E-01	5.42E-01
70	486583.18	3855493.15	1.042	3.79E-01	4.26E-01	5.28E-01
71	486633.18	3855493.15	1.02315	3.72E-01	4.18E-01	5.18E-01
72	486683.18	3855493.15	1.04856	3.81E-01	4.28E-01	5.31E-01
73	486533.18	3855543.15	1.09078	3.97E-01	4.46E-01	5.52E-01
74	486583.18	3855543.15	1.06536	3.87E-01	4.35E-01	5.40E-01
75	486633.18	3855543.15	1.03877	3.78E-01	4.24E-01	5.26E-01
76	486683.18	3855543.15	1.00603	3.66E-01	4.11E-01	5.10E-01
77	486533.18	3855593.15	1.09837	3.99E-01	4.49E-01	5.56E-01
78	486583.18	3855593.15	1.0814	3.93E-01	4.42E-01	5.48E-01
79	486633.18	3855593.15	1.05998	3.85E-01	4.33E-01	5.37E-01
80	486683.18	3855593.15	1.03593	3.77E-01	4.23E-01	5.25E-01
81	486533.18	3855643.15	1.0944	3.98E-01	4.47E-01	5.54E-01
82	486583.18	3855643.15	1.08629	3.95E-01	4.44E-01	5.50E-01
83	486633.18	3855643.15	1.07258	3.90E-01	4.38E-01	5.43E-01
84	486683.18	3855643.15	1.05427	3.83E-01	4.31E-01	5.34E-01
85	486533.18	3855693.15	1.12295	4.08E-01	4.59E-01	5.69E-01
86	486583.18	3855693.15	1.07813	3.92E-01	4.40E-01	5.46E-01
87	486633.18	3855693.15	1.0703	3.89E-01	4.37E-01	5.42E-01
88	486683.18	3855693.15	1.06245	3.86E-01	4.34E-01	5.38E-01
89	486733.18	3855693.15	1.05093	3.82E-01	4.29E-01	5.32E-01
90	486783.18	3855693.15	1.03637	3.77E-01	4.23E-01	5.25E-01
91	486533.18	3855743.15	1.17648	4.28E-01	4.81E-01	5.96E-01
92	486583.18	3855743.15	1.11879	4.07E-01	4.57E-01	5.67E-01
93	486633.18	3855743.15	1.06414	3.87E-01	4.35E-01	5.39E-01
94	486683.18	3855743.15	1.06098	3.86E-01	4.33E-01	5.37E-01
95	486733.18	3855743.15	1.05478	3.83E-01	4.31E-01	5.34E-01
96	486783.18	3855743.15	1.04833	3.81E-01	4.28E-01	5.31E-01
97	486533.18	3855793.15	1.22173	4.44E-01	4.99E-01	6.19E-01
98	486583.18	3855793.15	1.16587	4.24E-01	4.76E-01	5.91E-01
99	486633.18	3855793.15	1.12227	4.08E-01	4.58E-01	5.68E-01
100	486683.18	3855793.15	1.07787	3.92E-01	4.40E-01	5.46E-01
101	486733.18	3855793.15	1.05126	3.82E-01	4.29E-01	5.32E-01
102	486783.18	3855793.15	1.04885	3.81E-01	4.28E-01	5.31E-01
103	486533.18	3855843.15	1.2558	4.57E-01	5.13E-01	6.36E-01
104	486583.18	3855843.15	1.21068	4.40E-01	4.95E-01	6.13E-01
105	486633.18	3855843.15	1.17088	4.26E-01	4.78E-01	5.93E-01
106	486683.18	3855843.15	1.12947	4.11E-01	4.61E-01	5.72E-01
107	486733.18	3855843.15	1.08639	3.95E-01	4.44E-01	5.50E-01
108	486783.18	3855843.15	1.04114	3.79E-01	4.25E-01	5.27E-01
109	486533.18	3855893.15	1.27983	4.65E-01	5.23E-01	6.48E-01
110	486583.18	3855893.15	1.2469	4.53E-01	5.09E-01	6.32E-01
111	486633.18	3855893.15	1.2105	4.40E-01	4.95E-01	6.13E-01
112	486683.18	3855893.15	1.17269	4.26E-01	4.79E-01	5.94E-01
113	486733.18	3855893.15	1.13263	4.12E-01	4.63E-01	5.74E-01
114	486783.18	3855893.15	1.09198	3.97E-01	4.46E-01	5.53E-01
115	486533.18	3855943.15	1.29665	4.71E-01	5.30E-01	6.57E-01
116	486583.18	3855943.15	1.27003	4.62E-01	5.19E-01	6.43E-01
117	486633.18	3855943.15	1.23958	4.51E-01	5.06E-01	6.28E-01
118	486683.18	3855943.15	1.20659	4.39E-01	4.93E-01	6.11E-01
119	486733.18	3855943.15	1.17027	4.25E-01	4.78E-01	5.93E-01
120	486783.18	3855943.15	1.13286	4.12E-01	4.63E-01	5.74E-01
121	486533.18	3855993.15	1.29909	4.72E-01	5.31E-01	6.58E-01
122	486583.18	3855993.15	1.28101	4.66E-01	5.23E-01	6.49E-01

123	486633.18	3855993.15	1.25768	4.57E-01	5.14E-01	6.37E-01
124	486683.18	3855993.15	1.23011	4.47E-01	5.03E-01	6.23E-01
125	486733.18	3855993.15	1.19915	4.36E-01	4.90E-01	6.07E-01
126	486783.18	3855993.15	1.16537	4.24E-01	4.76E-01	5.90E-01
127	486533.18	3856043.15	1.28983	4.69E-01	5.27E-01	6.53E-01
128	486583.18	3856043.15	1.27866	4.65E-01	5.22E-01	6.48E-01
129	486633.18	3856043.15	1.26383	4.59E-01	5.16E-01	6.40E-01
130	486683.18	3856043.15	1.24247	4.52E-01	5.08E-01	6.29E-01
131	486733.18	3856043.15	1.21782	4.43E-01	4.97E-01	6.17E-01
132	486783.18	3856043.15	1.18863	4.32E-01	4.86E-01	6.02E-01
133	486533.18	3856093.15	1.26383	4.59E-01	5.16E-01	6.40E-01
134	486583.18	3856093.15	1.26425	4.60E-01	5.16E-01	6.40E-01
135	486633.18	3856093.15	1.25811	4.57E-01	5.14E-01	6.37E-01
136	486683.18	3856093.15	1.24422	4.52E-01	5.08E-01	6.30E-01
137	486733.18	3856093.15	1.22576	4.46E-01	5.01E-01	6.21E-01
138	486783.18	3856093.15	1.20317	4.37E-01	4.92E-01	6.09E-01
139	486533.18	3856143.15	1.22935	4.47E-01	5.02E-01	6.23E-01
140	486583.18	3856143.15	1.2405	4.51E-01	5.07E-01	6.28E-01
141	486633.18	3856143.15	1.2423	4.52E-01	5.07E-01	6.29E-01
142	486683.18	3856143.15	1.237	4.50E-01	5.05E-01	6.27E-01
143	486733.18	3856143.15	1.22601	4.46E-01	5.01E-01	6.21E-01
144	486783.18	3856143.15	1.208	4.39E-01	4.93E-01	6.12E-01
145	486533.18	3856193.15	1.18195	4.30E-01	4.83E-01	5.99E-01
146	486583.18	3856193.15	1.20278	4.37E-01	4.91E-01	6.09E-01
147	486633.18	3856193.15	1.21381	4.41E-01	4.96E-01	6.15E-01
148	486683.18	3856193.15	1.2166	4.42E-01	4.97E-01	6.16E-01
149	486733.18	3856193.15	1.21437	4.41E-01	4.96E-01	6.15E-01
150	486783.18	3856193.15	1.20351	4.38E-01	4.92E-01	6.10E-01
151	486533.18	3856243.15	1.12701	4.10E-01	4.60E-01	5.71E-01
152	486583.18	3856243.15	1.15511	4.20E-01	4.72E-01	5.85E-01
153	486633.18	3856243.15	1.17551	4.27E-01	4.80E-01	5.95E-01
154	486683.18	3856243.15	1.18777	4.32E-01	4.85E-01	6.02E-01
155	486733.18	3856243.15	1.19184	4.33E-01	4.87E-01	6.04E-01
156	486783.18	3856243.15	1.1907	4.33E-01	4.86E-01	6.03E-01
157	486533.18	3856293.15	1.09507	3.98E-01	4.47E-01	5.55E-01
158	486583.18	3856293.15	1.11369	4.05E-01	4.55E-01	5.64E-01
159	486633.18	3856293.15	1.12865	4.10E-01	4.61E-01	5.72E-01
160	486683.18	3856293.15	1.14806	4.17E-01	4.69E-01	5.82E-01
161	486733.18	3856293.15	1.15843	4.21E-01	4.73E-01	5.87E-01
162	486783.18	3856293.15	1.16516	4.24E-01	4.76E-01	5.90E-01
163	486783.18	3856343.15	1.12185	4.08E-01	4.58E-01	5.68E-01
164	486833.18	3856343.15	1.12749	4.10E-01	4.61E-01	5.71E-01
165	486883.18	3856343.15	1.1263	4.09E-01	4.60E-01	5.70E-01
166	486783.18	3856393.15	1.0922	3.97E-01	4.46E-01	5.53E-01
167	486833.18	3856393.15	1.08993	3.96E-01	4.45E-01	5.52E-01
168	486883.18	3856393.15	1.09928	4.00E-01	4.49E-01	5.57E-01
169	487208.74	3856886.11	1.1029	4.01E-01	4.51E-01	5.59E-01
170	487258.74	3856886.11	1.10322	4.01E-01	4.51E-01	5.59E-01
171	487308.74	3856886.11	1.08617	3.95E-01	4.44E-01	5.50E-01
172	487358.74	3856886.11	1.05533	3.84E-01	4.31E-01	5.35E-01
173	487208.74	3856936.11	1.11589	4.06E-01	4.56E-01	5.65E-01
174	487258.74	3856936.11	1.13908	4.14E-01	4.65E-01	5.77E-01
175	487308.74	3856936.11	1.13828	4.14E-01	4.65E-01	5.77E-01
176	487358.74	3856936.11	1.11697	4.06E-01	4.56E-01	5.66E-01
177	487208.74	3856986.11	1.10423	4.01E-01	4.51E-01	5.59E-01
178	487258.74	3856986.11	1.15943	4.22E-01	4.74E-01	5.87E-01
179	487308.74	3856986.11	1.17709	4.28E-01	4.81E-01	5.96E-01
180	487358.74	3856986.11	1.17421	4.27E-01	4.80E-01	5.95E-01
181	487208.74	3857036.11	1.06329	3.87E-01	4.34E-01	5.39E-01
182	487258.74	3857036.11	1.14711	4.17E-01	4.69E-01	5.81E-01
183	487308.74	3857036.11	1.20067	4.37E-01	4.90E-01	6.08E-01
184	487358.74	3857036.11	1.21902	4.43E-01	4.98E-01	6.17E-01
185	487427.14	3856878.23	1.00697	3.66E-01	4.11E-01	5.10E-01

186	487477.14	3856878.23	0.97779	3.55E-01	3.99E-01	4.95E-01
187	487527.14	3856878.23	0.95027	3.45E-01	3.88E-01	4.81E-01
188	487427.14	3856928.23	1.06742	3.88E-01	4.36E-01	5.41E-01
189	487477.14	3856928.23	1.03112	3.75E-01	4.21E-01	5.22E-01
190	487527.14	3856928.23	1.00049	3.64E-01	4.09E-01	5.07E-01
191	487577.14	3856928.23	0.97302	3.54E-01	3.97E-01	4.93E-01
192	487627.14	3856928.23	0.9499	3.45E-01	3.88E-01	4.81E-01
193	487677.14	3856928.23	0.95997	3.49E-01	3.92E-01	4.86E-01
194	487727.14	3856928.23	0.97007	3.53E-01	3.96E-01	4.91E-01
195	487777.14	3856928.23	0.97667	3.55E-01	3.99E-01	4.95E-01
196	487427.14	3856978.23	1.12721	4.10E-01	4.60E-01	5.71E-01
197	487477.14	3856978.23	1.09345	3.98E-01	4.47E-01	5.54E-01
198	487527.14	3856978.23	1.05887	3.85E-01	4.33E-01	5.36E-01
199	487577.14	3856978.23	1.0254	3.73E-01	4.19E-01	5.19E-01
200	487627.14	3856978.23	0.99264	3.61E-01	4.06E-01	5.03E-01
201	487677.14	3856978.23	0.98253	3.57E-01	4.01E-01	4.98E-01
202	487727.14	3856978.23	0.97413	3.54E-01	3.98E-01	4.93E-01
203	487777.14	3856978.23	0.99721	3.63E-01	4.07E-01	5.05E-01
204	487427.14	3857028.23	1.19165	4.33E-01	4.87E-01	6.04E-01
205	487477.14	3857028.23	1.15936	4.21E-01	4.74E-01	5.87E-01
206	487527.14	3857028.23	1.12075	4.07E-01	4.58E-01	5.68E-01
207	487577.14	3857028.23	1.08407	3.94E-01	4.43E-01	5.49E-01
208	487627.14	3857028.23	1.04491	3.80E-01	4.27E-01	5.29E-01
209	487677.14	3857028.23	1.01584	3.69E-01	4.15E-01	5.15E-01
210	487727.14	3857028.23	1.01543	3.69E-01	4.15E-01	5.14E-01
211	487777.14	3857028.23	1.01809	3.70E-01	4.16E-01	5.16E-01
212	487427.14	3857078.23	1.2475	4.54E-01	5.10E-01	6.32E-01
213	487477.14	3857078.23	1.22257	4.44E-01	4.99E-01	6.19E-01
214	487527.14	3857078.23	1.18768	4.32E-01	4.85E-01	6.02E-01
215	487577.14	3857078.23	1.14756	4.17E-01	4.69E-01	5.81E-01
216	487627.14	3857078.23	1.10629	4.02E-01	4.52E-01	5.60E-01
217	487677.14	3857078.23	1.07123	3.89E-01	4.38E-01	5.43E-01
218	487727.14	3857078.23	1.04229	3.79E-01	4.26E-01	5.28E-01
219	487777.14	3857078.23	1.04002	3.78E-01	4.25E-01	5.27E-01
220	487427.14	3857128.23	1.28962	4.69E-01	5.27E-01	6.53E-01
221	487477.14	3857128.23	1.28106	4.66E-01	5.23E-01	6.49E-01
222	487527.14	3857128.23	1.25136	4.55E-01	5.11E-01	6.34E-01
223	487577.14	3857128.23	1.21357	4.41E-01	4.96E-01	6.15E-01
224	487627.14	3857128.23	1.17284	4.26E-01	4.79E-01	5.94E-01
225	487677.14	3857128.23	1.12988	4.11E-01	4.62E-01	5.72E-01
226	487727.14	3857128.23	1.09789	3.99E-01	4.48E-01	5.56E-01
227	487777.14	3857128.23	1.07102	3.89E-01	4.38E-01	5.42E-01
228	488049.44	3856539.39	0.77641	2.82E-01	3.17E-01	3.93E-01
229	488099.44	3856539.39	0.7945	2.89E-01	3.25E-01	4.02E-01
230	488149.44	3856539.39	0.8126	2.95E-01	3.32E-01	4.12E-01
231	488049.44	3856589.39	0.76707	2.79E-01	3.13E-01	3.89E-01
232	488099.44	3856589.39	0.7617	2.77E-01	3.11E-01	3.86E-01
233	488149.44	3856589.39	0.77974	2.83E-01	3.19E-01	3.95E-01
234	488199.44	3856589.39	0.81788	2.97E-01	3.34E-01	4.14E-01
235	488249.44	3856589.39	0.84111	3.06E-01	3.44E-01	4.26E-01
236	488049.44	3856639.39	0.78482	2.85E-01	3.21E-01	3.98E-01
237	488099.44	3856639.39	0.75468	2.74E-01	3.08E-01	3.82E-01
238	488149.44	3856639.39	0.75186	2.73E-01	3.07E-01	3.81E-01
239	488199.44	3856639.39	0.79776	2.90E-01	3.26E-01	4.04E-01
240	488249.44	3856639.39	0.82772	3.01E-01	3.38E-01	4.19E-01
241	488299.44	3856639.39	0.84057	3.06E-01	3.43E-01	4.26E-01
242	488349.44	3856639.39	0.84323	3.07E-01	3.44E-01	4.27E-01
243	488399.44	3856639.39	0.83245	3.03E-01	3.40E-01	4.22E-01
244	488099.44	3856689.39	0.77927	2.83E-01	3.18E-01	3.95E-01
245	488149.44	3856689.39	0.73684	2.68E-01	3.01E-01	3.73E-01
246	488199.44	3856689.39	0.76937	2.80E-01	3.14E-01	3.90E-01
247	488249.44	3856689.39	0.80833	2.94E-01	3.30E-01	4.09E-01
248	488299.44	3856689.39	0.82995	3.02E-01	3.39E-01	4.20E-01

249	488349.44	3856689.39	0.83752	3.04E-01	3.42E-01	4.24E-01
250	488399.44	3856689.39	0.83617	3.04E-01	3.42E-01	4.24E-01
251	488099.44	3856739.39	0.84984	3.09E-01	3.47E-01	4.30E-01
252	488149.44	3856739.39	0.78331	2.85E-01	3.20E-01	3.97E-01
253	488199.44	3856739.39	0.74349	2.70E-01	3.04E-01	3.77E-01
254	488249.44	3856739.39	0.79092	2.88E-01	3.23E-01	4.01E-01
255	488299.44	3856739.39	0.8201	2.98E-01	3.35E-01	4.15E-01
256	488349.44	3856739.39	0.83422	3.03E-01	3.41E-01	4.23E-01
257	488399.44	3856739.39	0.83723	3.04E-01	3.42E-01	4.24E-01
258	487999.44	3856789.39	0.9891	3.60E-01	4.04E-01	5.01E-01
259	488049.44	3856789.39	0.95694	3.48E-01	3.91E-01	4.85E-01
260	488099.44	3856789.39	0.91352	3.32E-01	3.73E-01	4.63E-01
261	488149.44	3856789.39	0.85633	3.11E-01	3.50E-01	4.34E-01
262	488199.44	3856789.39	0.79067	2.87E-01	3.23E-01	4.00E-01
263	488249.44	3856789.39	0.7686	2.79E-01	3.14E-01	3.89E-01
264	488299.44	3856789.39	0.80667	2.93E-01	3.30E-01	4.09E-01
265	488349.44	3856789.39	0.82791	3.01E-01	3.38E-01	4.19E-01
266	488399.44	3856789.39	0.83484	3.04E-01	3.41E-01	4.23E-01
267	487949.44	3856839.39	1.02223	3.72E-01	4.18E-01	5.18E-01
268	487999.44	3856839.39	1.01456	3.69E-01	4.14E-01	5.14E-01
269	488049.44	3856839.39	0.99497	3.62E-01	4.06E-01	5.04E-01
270	488099.44	3856839.39	0.96369	3.50E-01	3.94E-01	4.88E-01
271	488149.44	3856839.39	0.92011	3.35E-01	3.76E-01	4.66E-01
272	488199.44	3856839.39	0.86321	3.14E-01	3.53E-01	4.37E-01
273	487949.44	3856889.39	1.0228	3.72E-01	4.18E-01	5.18E-01
274	487999.44	3856889.39	1.02669	3.73E-01	4.19E-01	5.20E-01
275	488049.44	3856889.39	1.01869	3.70E-01	4.16E-01	5.16E-01
276	488099.44	3856889.39	1.00107	3.64E-01	4.09E-01	5.07E-01
277	488635.86	3857895.05	1.50621	5.48E-01	6.15E-01	7.63E-01
278	489137.64	3857804.15	1.36908	4.98E-01	5.59E-01	6.93E-01
279	488617.32	3857859.41	1.49247	5.43E-01	6.10E-01	7.56E-01
280	488667.32	3857859.41	1.4968	5.44E-01	6.11E-01	7.58E-01
281	488717.32	3857859.41	1.50602	5.48E-01	6.15E-01	7.63E-01
282	488767.32	3857859.41	1.51525	5.51E-01	6.19E-01	7.67E-01
283	488617.32	3857909.41	1.50716	5.48E-01	6.16E-01	7.63E-01
284	488667.32	3857909.41	1.53059	5.56E-01	6.25E-01	7.75E-01
285	488717.32	3857909.41	1.53168	5.57E-01	6.26E-01	7.76E-01
286	488767.32	3857909.41	1.54056	5.60E-01	6.29E-01	7.80E-01
287	488417.32	3857959.41	1.68953	6.14E-01	6.90E-01	8.56E-01
288	488467.32	3857959.41	1.62335	5.90E-01	6.63E-01	8.22E-01
289	488517.32	3857959.41	1.57616	5.73E-01	6.44E-01	7.98E-01
290	488567.32	3857959.41	1.54928	5.63E-01	6.33E-01	7.85E-01
291	488617.32	3857959.41	1.5455	5.62E-01	6.31E-01	7.83E-01
292	488667.32	3857959.41	1.55612	5.66E-01	6.36E-01	7.88E-01
293	488717.32	3857959.41	1.56665	5.70E-01	6.40E-01	7.94E-01
294	488767.32	3857959.41	1.57554	5.73E-01	6.44E-01	7.98E-01
295	488417.32	3858009.41	1.78006	6.47E-01	7.27E-01	9.02E-01
296	488467.32	3858009.41	1.70763	6.21E-01	6.98E-01	8.65E-01
297	488517.32	3858009.41	1.65631	6.02E-01	6.77E-01	8.39E-01
298	488567.32	3858009.41	1.61409	5.87E-01	6.59E-01	8.18E-01
299	488617.32	3858009.41	1.60818	5.85E-01	6.57E-01	8.15E-01
300	488667.32	3858009.41	1.61147	5.86E-01	6.58E-01	8.16E-01
301	488717.32	3858009.41	1.61893	5.89E-01	6.61E-01	8.20E-01
302	488767.32	3858009.41	1.61894	5.89E-01	6.61E-01	8.20E-01
303	488417.32	3858059.41	1.90827	6.94E-01	7.80E-01	9.67E-01
304	488467.32	3858059.41	1.82693	6.64E-01	7.46E-01	9.25E-01
305	488517.32	3858059.41	1.75788	6.39E-01	7.18E-01	8.90E-01
306	488567.32	3858059.41	1.70631	6.20E-01	6.97E-01	8.64E-01
307	488617.32	3858059.41	1.66725	6.06E-01	6.81E-01	8.44E-01
308	488667.32	3858059.41	1.66548	6.05E-01	6.80E-01	8.44E-01
309	488417.32	3858109.41	2.06142	7.49E-01	8.42E-01	1.04E+00
310	488467.32	3858109.41	1.96291	7.14E-01	8.02E-01	9.94E-01
311	488517.32	3858109.41	1.88277	6.84E-01	7.69E-01	9.54E-01

312	488567.32	3858109.41	1.81055	6.58E-01	7.40E-01	9.17E-01
313	488617.32	3858109.41	1.75643	6.39E-01	7.18E-01	8.90E-01
314	488667.32	3858109.41	1.73682	6.31E-01	7.10E-01	8.80E-01
315	488769.93	3858449.27	2.73709	9.95E-01	1.12E+00	1.39E+00
316	488819.93	3858449.27	2.67811	9.74E-01	1.09E+00	1.36E+00
317	488819.93	3858499.27	2.9307	1.07E+00	1.20E+00	1.48E+00
318	488869.93	3858499.27	2.80977	1.02E+00	1.15E+00	1.42E+00
319	488869.93	3858549.27	3.08889	1.12E+00	1.26E+00	1.56E+00
320	489438.17	3859571.48	7.80734	2.84E+00	3.19E+00	3.95E+00
321	489488.17	3859571.48	8.29438	3.02E+00	3.39E+00	4.20E+00
322	489538.17	3859571.48	8.84739	3.22E+00	3.61E+00	4.48E+00
323	489588.17	3859571.48	9.44647	3.43E+00	3.86E+00	4.78E+00
324	489438.17	3859621.48	7.01328	2.55E+00	2.86E+00	3.55E+00
325	489488.17	3859621.48	7.39644	2.69E+00	3.02E+00	3.75E+00
326	489538.17	3859621.48	7.83345	2.85E+00	3.20E+00	3.97E+00
327	489588.17	3859621.48	8.34786	3.03E+00	3.41E+00	4.23E+00
328	489238.17	3859671.48	5.30002	1.93E+00	2.17E+00	2.68E+00
329	489288.17	3859671.48	5.51149	2.00E+00	2.25E+00	2.79E+00
330	489338.17	3859671.48	5.7541	2.09E+00	2.35E+00	2.91E+00
331	489388.17	3859671.48	6.03833	2.20E+00	2.47E+00	3.06E+00
332	489438.17	3859671.48	6.30723	2.29E+00	2.58E+00	3.19E+00
333	489488.17	3859671.48	6.63711	2.41E+00	2.71E+00	3.36E+00
334	489538.17	3859671.48	6.98382	2.54E+00	2.85E+00	3.54E+00
335	489588.17	3859671.48	7.36852	2.68E+00	3.01E+00	3.73E+00
336	489238.17	3859721.48	4.87121	1.77E+00	1.99E+00	2.47E+00
337	489288.17	3859721.48	5.07046	1.84E+00	2.07E+00	2.57E+00
338	489338.17	3859721.48	5.26983	1.92E+00	2.15E+00	2.67E+00
339	489388.17	3859721.48	5.479	1.99E+00	2.24E+00	2.78E+00
340	489438.17	3859721.48	5.69827	2.07E+00	2.33E+00	2.89E+00
341	489488.17	3859721.48	5.96623	2.17E+00	2.44E+00	3.02E+00
342	489538.17	3859721.48	6.24463	2.27E+00	2.55E+00	3.16E+00
343	489588.17	3859721.48	6.67232	2.43E+00	2.73E+00	3.38E+00
344	489238.17	3859771.48	4.47956	1.63E+00	1.83E+00	2.27E+00
345	489288.17	3859771.48	4.64815	1.69E+00	1.90E+00	2.35E+00
346	489338.17	3859771.48	4.80381	1.75E+00	1.96E+00	2.43E+00
347	489388.17	3859771.48	4.98301	1.81E+00	2.04E+00	2.52E+00
348	489438.17	3859771.48	5.15981	1.88E+00	2.11E+00	2.61E+00
349	489488.17	3859771.48	5.38994	1.96E+00	2.20E+00	2.73E+00
350	489538.17	3859771.48	5.74507	2.09E+00	2.35E+00	2.91E+00
351	489588.17	3859771.48	6.1296	2.23E+00	2.50E+00	3.10E+00
352	489238.17	3859821.48	4.10383	1.49E+00	1.68E+00	2.08E+00
353	489288.17	3859821.48	4.25326	1.55E+00	1.74E+00	2.15E+00
354	489338.17	3859821.48	4.38921	1.60E+00	1.79E+00	2.22E+00
355	489388.17	3859821.48	4.53743	1.65E+00	1.85E+00	2.30E+00
356	489438.17	3859821.48	4.71175	1.71E+00	1.92E+00	2.39E+00
357	489488.17	3859821.48	4.98411	1.81E+00	2.04E+00	2.52E+00
358	489538.17	3859821.48	5.28092	1.92E+00	2.16E+00	2.67E+00
359	489588.17	3859821.48	5.59738	2.03E+00	2.29E+00	2.84E+00
360	489238.17	3859871.48	3.79532	1.38E+00	1.55E+00	1.92E+00
361	489288.17	3859871.48	3.91615	1.42E+00	1.60E+00	1.98E+00
362	489338.17	3859871.48	4.05219	1.47E+00	1.66E+00	2.05E+00
363	489388.17	3859871.48	4.21829	1.53E+00	1.72E+00	2.14E+00
364	489438.17	3859871.48	4.40575	1.60E+00	1.80E+00	2.23E+00
365	489488.17	3859871.48	4.5854	1.67E+00	1.87E+00	2.32E+00
366	489538.17	3859871.48	4.81252	1.75E+00	1.97E+00	2.44E+00
367	489588.17	3859871.48	5.05506	1.84E+00	2.07E+00	2.56E+00
368	489238.17	3859921.48	3.61188	1.31E+00	1.48E+00	1.83E+00
369	489288.17	3859921.48	3.73102	1.36E+00	1.52E+00	1.89E+00
370	489338.17	3859921.48	3.83982	1.40E+00	1.57E+00	1.94E+00
371	489388.17	3859921.48	3.958	1.44E+00	1.62E+00	2.00E+00
372	489438.17	3859921.48	4.07104	1.48E+00	1.66E+00	2.06E+00
373	489488.17	3859921.48	4.20224	1.53E+00	1.72E+00	2.13E+00
374	489538.17	3859921.48	4.36362	1.59E+00	1.78E+00	2.21E+00

375	489588.17	3859921.48	4.56679	1.66E+00	1.87E+00	2.31E+00
376	489238.17	3859971.48	3.43625	1.25E+00	1.40E+00	1.74E+00
377	489288.17	3859971.48	3.52053	1.28E+00	1.44E+00	1.78E+00
378	489338.17	3859971.48	3.60878	1.31E+00	1.47E+00	1.83E+00
379	489388.17	3859971.48	3.69657	1.34E+00	1.51E+00	1.87E+00
380	489438.17	3859971.48	3.79742	1.38E+00	1.55E+00	1.92E+00
381	489488.17	3859971.48	3.75816	1.37E+00	1.54E+00	1.90E+00
382	489538.17	3859971.48	3.77061	1.37E+00	1.54E+00	1.91E+00
383	489588.17	3859971.48	3.74773	1.36E+00	1.53E+00	1.90E+00
384	483577.7	3854071	4.03237	1.47E+00	1.65E+00	2.04E+00
385	483627.7	3854071	4.0191	1.46E+00	1.64E+00	2.04E+00
386	483677.7	3854071	3.99124	1.45E+00	1.63E+00	2.02E+00
387	483727.7	3854071	3.78093	1.37E+00	1.54E+00	1.92E+00
388	483777.7	3854071	3.48237	1.27E+00	1.42E+00	1.76E+00
389	483577.7	3854121	3.87907	1.41E+00	1.58E+00	1.96E+00
390	483627.7	3854121	3.78014	1.37E+00	1.54E+00	1.91E+00
391	483677.7	3854121	3.94745	1.44E+00	1.61E+00	2.00E+00
392	483727.7	3854121	3.9203	1.43E+00	1.60E+00	1.99E+00
393	483777.7	3854121	3.69415	1.34E+00	1.51E+00	1.87E+00
394	483577.7	3854171	3.68887	1.34E+00	1.51E+00	1.87E+00
395	483627.7	3854171	3.58273	1.30E+00	1.46E+00	1.81E+00
396	483677.7	3854171	3.64766	1.33E+00	1.49E+00	1.85E+00
397	483727.7	3854171	3.80339	1.38E+00	1.55E+00	1.93E+00
398	483777.7	3854171	3.76186	1.37E+00	1.54E+00	1.91E+00
399	483827.7	3854171	3.49857	1.27E+00	1.43E+00	1.77E+00
400	483877.7	3854171	3.11369	1.13E+00	1.27E+00	1.58E+00
401	483727.7	3854221	3.48673	1.27E+00	1.42E+00	1.77E+00
402	483777.7	3854221	3.61373	1.31E+00	1.48E+00	1.83E+00
403	483827.7	3854221	3.60709	1.31E+00	1.47E+00	1.83E+00
404	483877.7	3854221	3.3625	1.22E+00	1.37E+00	1.70E+00
405	489150.19	3858726.45	4.25673	1.55E+00	1.74E+00	2.16E+00
406	489200.19	3858726.45	4.30776	1.57E+00	1.76E+00	2.18E+00
407	489150.19	3858776.45	5.25855	1.91E+00	2.15E+00	2.66E+00
408	489200.19	3858776.45	5.06448	1.84E+00	2.07E+00	2.57E+00
409	488919.6	3856400.76	1.06617	3.88E-01	4.36E-01	5.40E-01
410	488919.6	3856450.76	1.02418	3.72E-01	4.18E-01	5.19E-01
411	488969.6	3856450.76	1.03656	3.77E-01	4.23E-01	5.25E-01
412	488919.6	3856500.76	0.97887	3.56E-01	4.00E-01	4.96E-01
413	488969.6	3856500.76	0.9925	3.61E-01	4.05E-01	5.03E-01
414	488919.6	3856550.76	0.95369	3.47E-01	3.90E-01	4.83E-01
415	488969.6	3856550.76	0.96127	3.49E-01	3.93E-01	4.87E-01
416	488819.6	3856600.76	0.91458	3.33E-01	3.74E-01	4.63E-01
417	488869.6	3856600.76	0.92186	3.35E-01	3.77E-01	4.67E-01
418	488919.6	3856600.76	0.92904	3.38E-01	3.80E-01	4.71E-01
419	488819.6	3856650.76	0.8876	3.23E-01	3.63E-01	4.50E-01
420	488869.6	3856650.76	0.89531	3.25E-01	3.66E-01	4.53E-01
421	488819.6	3856700.76	0.86497	3.14E-01	3.53E-01	4.38E-01
422	488869.6	3856700.76	0.8734	3.18E-01	3.57E-01	4.42E-01
423	488819.6	3856750.76	0.84076	3.06E-01	3.43E-01	4.26E-01
424	488869.6	3856750.76	0.85024	3.09E-01	3.47E-01	4.31E-01
425	488819.6	3857050.76	0.77655	2.82E-01	3.17E-01	3.93E-01
426	488869.6	3857050.76	0.77847	2.83E-01	3.18E-01	3.94E-01
427	488919.6	3857050.76	0.77167	2.81E-01	3.15E-01	3.91E-01
428	488819.6	3857100.76	0.78928	2.87E-01	3.22E-01	4.00E-01
429	488869.6	3857100.76	0.79871	2.90E-01	3.26E-01	4.05E-01
430	488919.6	3857100.76	0.79596	2.89E-01	3.25E-01	4.03E-01
431	488819.6	3857150.76	0.80678	2.93E-01	3.30E-01	4.09E-01
432	488869.6	3857150.76	0.82031	2.98E-01	3.35E-01	4.15E-01
433	488919.6	3857150.76	0.81803	2.97E-01	3.34E-01	4.14E-01
434	488969.6	3857150.76	0.80809	2.94E-01	3.30E-01	4.09E-01
435	488819.6	3857200.76	0.82366	2.99E-01	3.36E-01	4.17E-01
436	488869.6	3857200.76	0.84023	3.05E-01	3.43E-01	4.26E-01
437	488919.6	3857200.76	0.8402	3.05E-01	3.43E-01	4.26E-01

438	488969.6	3857200.76	0.83093	3.02E-01	3.39E-01	4.21E-01
439	488819.6	3857250.76	0.83905	3.05E-01	3.43E-01	4.25E-01
440	488869.6	3857250.76	0.85748	3.12E-01	3.50E-01	4.34E-01
441	488919.6	3857250.76	0.8594	3.12E-01	3.51E-01	4.35E-01
442	488969.6	3857250.76	0.85286	3.10E-01	3.48E-01	4.32E-01
443	488819.6	3857300.76	0.86957	3.16E-01	3.55E-01	4.40E-01
444	488869.6	3857300.76	0.87553	3.18E-01	3.58E-01	4.43E-01
445	488919.6	3857300.76	0.87917	3.20E-01	3.59E-01	4.45E-01
446	488819.6	3857450.76	1.14719	4.17E-01	4.69E-01	5.81E-01
447	488869.6	3857450.76	1.0615	3.86E-01	4.34E-01	5.38E-01
448	488919.6	3857450.76	0.96754	3.52E-01	3.95E-01	4.90E-01
449	488819.6	3857500.76	1.24233	4.52E-01	5.08E-01	6.29E-01
450	488869.6	3857500.76	1.16988	4.25E-01	4.78E-01	5.93E-01
451	488919.6	3857500.76	1.08304	3.94E-01	4.42E-01	5.49E-01
452	488819.6	3857550.76	1.32829	4.83E-01	5.43E-01	6.73E-01
453	488869.6	3857550.76	1.26884	4.61E-01	5.18E-01	6.43E-01
454	488919.6	3857550.76	1.19424	4.34E-01	4.88E-01	6.05E-01
455	489663.71	3860900.05	1.67678	6.10E-01	6.85E-01	8.49E-01
456	489813.71	3860900.05	1.75943	6.40E-01	7.19E-01	8.91E-01
457	489863.71	3860900.05	1.8141	6.60E-01	7.41E-01	9.19E-01
458	489913.71	3860900.05	1.87663	6.82E-01	7.67E-01	9.51E-01
459	489963.71	3860900.05	1.91929	6.98E-01	7.84E-01	9.72E-01
460	490013.71	3860900.05	1.9706	7.16E-01	8.05E-01	9.98E-01
461	490063.71	3860900.05	2.00918	7.30E-01	8.21E-01	1.02E+00
462	489663.71	3860950.05	1.63757	5.95E-01	6.69E-01	8.29E-01
463	489813.71	3860950.05	1.69911	6.18E-01	6.94E-01	8.61E-01
464	489863.71	3860950.05	1.75275	6.37E-01	7.16E-01	8.88E-01
465	489913.71	3860950.05	1.8127	6.59E-01	7.41E-01	9.18E-01
466	489963.71	3860950.05	1.86017	6.76E-01	7.60E-01	9.42E-01
467	490013.71	3860950.05	1.90637	6.93E-01	7.79E-01	9.66E-01
468	490063.71	3860950.05	1.948	7.08E-01	7.96E-01	9.87E-01
469	489513.71	3861000.05	1.56918	5.70E-01	6.41E-01	7.95E-01
470	489563.71	3861000.05	1.5778	5.74E-01	6.45E-01	7.99E-01
471	489613.71	3861000.05	1.59117	5.78E-01	6.50E-01	8.06E-01
472	489663.71	3861000.05	1.60179	5.82E-01	6.54E-01	8.11E-01
473	489713.71	3861000.05	1.60931	5.85E-01	6.57E-01	8.15E-01
474	489763.71	3861000.05	1.61977	5.89E-01	6.62E-01	8.20E-01
475	489813.71	3861000.05	1.64413	5.98E-01	6.72E-01	8.33E-01
476	489863.71	3861000.05	1.69734	6.17E-01	6.93E-01	8.60E-01
477	489913.71	3861000.05	1.75719	6.39E-01	7.18E-01	8.90E-01
478	489963.71	3861000.05	1.80282	6.55E-01	7.36E-01	9.13E-01
479	490013.71	3861000.05	1.84994	6.73E-01	7.56E-01	9.37E-01
480	490063.71	3861000.05	1.89014	6.87E-01	7.72E-01	9.57E-01
481	489513.71	3861050.05	1.54007	5.60E-01	6.29E-01	7.80E-01
482	489563.71	3861050.05	1.5467	5.62E-01	6.32E-01	7.83E-01
483	489613.71	3861050.05	1.56209	5.68E-01	6.38E-01	7.91E-01
484	489663.71	3861050.05	1.56495	5.69E-01	6.39E-01	7.93E-01
485	489713.71	3861050.05	1.56983	5.71E-01	6.41E-01	7.95E-01
486	489763.71	3861050.05	1.57962	5.74E-01	6.45E-01	8.00E-01
487	489813.71	3861050.05	1.59188	5.79E-01	6.50E-01	8.06E-01
488	489863.71	3861050.05	1.64376	5.98E-01	6.71E-01	8.33E-01
489	489913.71	3861050.05	1.69918	6.18E-01	6.94E-01	8.61E-01
490	489963.71	3861050.05	1.7493	6.36E-01	7.15E-01	8.86E-01
491	490013.71	3861050.05	1.80065	6.55E-01	7.36E-01	9.12E-01
492	490063.71	3861050.05	1.84017	6.69E-01	7.52E-01	9.32E-01
493	489513.71	3861100.05	1.5151	5.51E-01	6.19E-01	7.67E-01
494	489563.71	3861100.05	1.51287	5.50E-01	6.18E-01	7.66E-01
495	489613.71	3861100.05	1.50944	5.49E-01	6.17E-01	7.65E-01
496	489663.71	3861100.05	1.51717	5.52E-01	6.20E-01	7.68E-01
497	489713.71	3861100.05	1.52485	5.54E-01	6.23E-01	7.72E-01
498	489763.71	3861100.05	1.532	5.57E-01	6.26E-01	7.76E-01
499	489813.71	3861100.05	1.54182	5.61E-01	6.30E-01	7.81E-01
500	489863.71	3861100.05	1.59553	5.80E-01	6.52E-01	8.08E-01

501	489913.71	3861100.05	1.64596	5.98E-01	6.72E-01	8.34E-01
502	489963.71	3861100.05	1.69792	6.17E-01	6.94E-01	8.60E-01
503	490013.71	3861100.05	1.74138	6.33E-01	7.11E-01	8.82E-01
504	490063.71	3861100.05	1.78362	6.48E-01	7.29E-01	9.03E-01
505	489713.71	3861150.05	1.47764	5.37E-01	6.04E-01	7.48E-01
506	489763.71	3861150.05	1.48378	5.39E-01	6.06E-01	7.52E-01
507	489813.71	3861150.05	1.49037	5.42E-01	6.09E-01	7.55E-01
508	489863.71	3861150.05	1.54038	5.60E-01	6.29E-01	7.80E-01
509	489913.71	3861150.05	1.59346	5.79E-01	6.51E-01	8.07E-01
510	489963.71	3861150.05	1.64254	5.97E-01	6.71E-01	8.32E-01
511	490013.71	3861150.05	1.68766	6.14E-01	6.89E-01	8.55E-01
512	490063.71	3861150.05	1.73294	6.30E-01	7.08E-01	8.78E-01
513	489613.71	3861200.05	1.41838	5.16E-01	5.79E-01	7.18E-01
514	489663.71	3861200.05	1.42258	5.17E-01	5.81E-01	7.21E-01
515	489713.71	3861200.05	1.42658	5.19E-01	5.83E-01	7.23E-01
516	489763.71	3861200.05	1.42972	5.20E-01	5.84E-01	7.24E-01
517	489813.71	3861200.05	1.43872	5.23E-01	5.88E-01	7.29E-01
518	489863.71	3861200.05	1.49513	5.44E-01	6.11E-01	7.57E-01
519	489913.71	3861200.05	1.54664	5.62E-01	6.32E-01	7.83E-01
520	489963.71	3861200.05	1.59441	5.80E-01	6.51E-01	8.08E-01
521	490013.71	3861200.05	1.6421	5.97E-01	6.71E-01	8.32E-01
522	490063.71	3861200.05	1.68262	6.12E-01	6.87E-01	8.52E-01
523	489513.71	3861250.05	1.36299	4.96E-01	5.57E-01	6.90E-01
524	489563.71	3861250.05	1.36844	4.98E-01	5.59E-01	6.93E-01
525	489613.71	3861250.05	1.37153	4.99E-01	5.60E-01	6.95E-01
526	489663.71	3861250.05	1.37142	4.99E-01	5.60E-01	6.95E-01
527	489713.71	3861250.05	1.37262	4.99E-01	5.61E-01	6.95E-01
528	489763.71	3861250.05	1.37353	4.99E-01	5.61E-01	6.96E-01
529	489813.71	3861250.05	1.39516	5.07E-01	5.70E-01	7.07E-01
530	489863.71	3861250.05	1.44666	5.26E-01	5.91E-01	7.33E-01
531	489913.71	3861250.05	1.50005	5.45E-01	6.13E-01	7.60E-01
532	489963.71	3861250.05	1.55025	5.64E-01	6.33E-01	7.85E-01
533	490013.71	3861250.05	1.59593	5.80E-01	6.52E-01	8.08E-01
534	490063.71	3861250.05	1.63313	5.94E-01	6.67E-01	8.27E-01
535	489528.13	3861308.47	1.30618	4.75E-01	5.34E-01	6.62E-01
536	489578.13	3861308.47	1.30749	4.75E-01	5.34E-01	6.62E-01
537	489628.13	3861308.47	1.30764	4.75E-01	5.34E-01	6.62E-01
538	489678.13	3861308.47	1.30845	4.76E-01	5.35E-01	6.63E-01
539	489728.13	3861308.47	1.30847	4.76E-01	5.35E-01	6.63E-01
540	489778.13	3861308.47	1.31358	4.78E-01	5.37E-01	6.65E-01
541	489678.13	3861358.47	1.25559	4.56E-01	5.13E-01	6.36E-01
542	489728.13	3861358.47	1.2552	4.56E-01	5.13E-01	6.36E-01
543	489528.13	3861408.47	1.20622	4.39E-01	4.93E-01	6.11E-01
544	489578.13	3861408.47	1.20654	4.39E-01	4.93E-01	6.11E-01
545	489628.13	3861408.47	1.21108	4.40E-01	4.95E-01	6.13E-01
546	489678.13	3861408.47	1.20965	4.40E-01	4.94E-01	6.13E-01
547	489728.13	3861408.47	1.2088	4.39E-01	4.94E-01	6.12E-01
548	489528.13	3861458.47	1.16464	4.23E-01	4.76E-01	5.90E-01
549	489578.13	3861458.47	1.16625	4.24E-01	4.76E-01	5.91E-01
550	489628.13	3861458.47	1.16789	4.25E-01	4.77E-01	5.92E-01
551	489678.13	3861458.47	1.16892	4.25E-01	4.78E-01	5.92E-01
552	489728.13	3861458.47	1.16797	4.25E-01	4.77E-01	5.92E-01
553	489528.13	3861508.47	1.12794	4.10E-01	4.61E-01	5.71E-01
554	489578.13	3861508.47	1.12961	4.11E-01	4.61E-01	5.72E-01
555	489628.13	3861508.47	1.13185	4.11E-01	4.62E-01	5.73E-01
556	489678.13	3861508.47	1.1339	4.12E-01	4.63E-01	5.74E-01
557	489728.13	3861508.47	1.13656	4.13E-01	4.64E-01	5.76E-01
558	489628.13	3861558.47	1.1062	4.02E-01	4.52E-01	5.60E-01
559	489678.13	3861558.47	1.113	4.05E-01	4.55E-01	5.64E-01
560	489728.13	3861558.47	1.11737	4.06E-01	4.56E-01	5.66E-01
561	489357.08	3861015.81	1.5264	5.55E-01	6.24E-01	7.73E-01
562	489407.08	3861015.81	1.53268	5.57E-01	6.26E-01	7.76E-01
563	489457.08	3861015.81	1.54252	5.61E-01	6.30E-01	7.81E-01

564	489357.08	3861065.81	1.49855	5.45E-01	6.12E-01	7.59E-01
565	489407.08	3861065.81	1.50342	5.47E-01	6.14E-01	7.62E-01
566	489457.08	3861065.81	1.51228	5.50E-01	6.18E-01	7.66E-01
567	489357.08	3861115.81	1.46737	5.33E-01	5.99E-01	7.43E-01
568	489407.08	3861115.81	1.4769	5.37E-01	6.03E-01	7.48E-01
569	489457.08	3861115.81	1.48566	5.40E-01	6.07E-01	7.53E-01
570	489407.08	3861165.81	1.44703	5.26E-01	5.91E-01	7.33E-01
571	489457.08	3861165.81	1.44995	5.27E-01	5.92E-01	7.34E-01
572	489407.08	3861215.81	1.39584	5.07E-01	5.70E-01	7.07E-01
573	489457.08	3861215.81	1.39918	5.09E-01	5.72E-01	7.09E-01
574	489407.08	3861265.81	1.34161	4.88E-01	5.48E-01	6.80E-01
575	489457.08	3861265.81	1.34611	4.89E-01	5.50E-01	6.82E-01
576	489309.86	3861110.14	1.45946	5.31E-01	5.96E-01	7.39E-01
577	489407.08	3861315.81	1.29644	4.71E-01	5.30E-01	6.57E-01
578	489457.08	3861315.81	1.29919	4.72E-01	5.31E-01	6.58E-01
579	488906.03	3861006.75	1.44357	5.25E-01	5.90E-01	7.31E-01
580	488956.03	3861006.75	1.46355	5.32E-01	5.98E-01	7.41E-01
581	488904.24	3861051.87	1.4498	5.27E-01	5.92E-01	7.34E-01
582	488954.24	3861051.87	1.45175	5.28E-01	5.93E-01	7.35E-01
583	489004.24	3861051.87	1.47307	5.36E-01	6.02E-01	7.46E-01
584	488804.24	3861101.87	1.38859	5.05E-01	5.67E-01	7.03E-01
585	488854.24	3861101.87	1.40588	5.11E-01	5.74E-01	7.12E-01
586	488904.24	3861101.87	1.39248	5.06E-01	5.69E-01	7.05E-01
587	488954.24	3861101.87	1.39499	5.07E-01	5.70E-01	7.07E-01
588	489004.24	3861101.87	1.40678	5.11E-01	5.75E-01	7.13E-01
589	488804.24	3861151.87	1.33243	4.84E-01	5.44E-01	6.75E-01
590	488854.24	3861151.87	1.33778	4.86E-01	5.46E-01	6.78E-01
591	489129.49	3861187.55	1.36831	4.97E-01	5.59E-01	6.93E-01
592	489179.49	3861187.55	1.3756	5.00E-01	5.62E-01	6.97E-01
593	488804.24	3861201.87	1.31111	4.77E-01	5.36E-01	6.64E-01
594	488854.24	3861201.87	1.3094	4.76E-01	5.35E-01	6.63E-01
595	489129.49	3861237.55	1.34575	4.89E-01	5.50E-01	6.82E-01
596	489179.49	3861237.55	1.34595	4.89E-01	5.50E-01	6.82E-01
597	488804.24	3861251.87	1.29176	4.70E-01	5.28E-01	6.54E-01
598	488854.24	3861251.87	1.28777	4.68E-01	5.26E-01	6.52E-01
599	488804.24	3861301.87	1.26473	4.60E-01	5.17E-01	6.41E-01
600	488854.24	3861301.87	1.26466	4.60E-01	5.17E-01	6.41E-01
601	490943.5	3860181.97	7.32975	2.66E+00	2.99E+00	3.71E+00
602	490993.5	3860181.97	7.88526	2.87E+00	3.22E+00	3.99E+00
603	491043.5	3860181.97	8.53296	3.10E+00	3.49E+00	4.32E+00
604	491093.5	3860181.97	9.15919	3.33E+00	3.74E+00	4.64E+00
605	490943.5	3860231.97	6.62568	2.41E+00	2.71E+00	3.36E+00
606	490993.5	3860231.97	7.20592	2.62E+00	2.94E+00	3.65E+00
607	491043.5	3860231.97	7.66545	2.79E+00	3.13E+00	3.88E+00
608	491093.5	3860231.97	8.14128	2.96E+00	3.33E+00	4.12E+00
609	490943.5	3860281.97	5.95149	2.16E+00	2.43E+00	3.01E+00
610	490993.5	3860281.97	6.41141	2.33E+00	2.62E+00	3.25E+00
611	491043.5	3860281.97	6.84907	2.49E+00	2.80E+00	3.47E+00
612	491093.5	3860281.97	7.31748	2.66E+00	2.99E+00	3.71E+00
613	490943.5	3860331.97	5.60481	2.04E+00	2.29E+00	2.84E+00
614	490993.5	3860331.97	5.78208	2.10E+00	2.36E+00	2.93E+00
615	491043.5	3860331.97	5.96793	2.17E+00	2.44E+00	3.02E+00
616	491093.5	3860331.97	6.37882	2.32E+00	2.61E+00	3.23E+00
617	490086.72	3859935.12	6.5202	2.37E+00	2.66E+00	3.30E+00
618	490136.72	3859935.12	6.69446	2.43E+00	2.73E+00	3.39E+00
619	490186.72	3859935.12	6.88626	2.50E+00	2.81E+00	3.49E+00
620	490236.72	3859935.12	7.08299	2.58E+00	2.89E+00	3.59E+00
621	490286.72	3859935.12	7.22503	2.63E+00	2.95E+00	3.66E+00
622	490336.72	3859935.12	7.34421	2.67E+00	3.00E+00	3.72E+00
623	490386.72	3859935.12	7.51854	2.73E+00	3.07E+00	3.81E+00
624	490436.72	3859935.12	7.69541	2.80E+00	3.14E+00	3.90E+00
625	490486.72	3859935.12	7.94253	2.89E+00	3.24E+00	4.02E+00
626	490536.72	3859935.12	8.5761	3.12E+00	3.50E+00	4.34E+00

627	490586.72	3859935.12	9.90256	3.60E+00	4.05E+00	5.02E+00
628	490636.72	3859935.12	11.09811	4.03E+00	4.53E+00	5.62E+00
629	490686.72	3859935.12	12.91694	4.70E+00	5.28E+00	6.54E+00
630	490736.72	3859935.12	14.80622	5.38E+00	6.05E+00	7.50E+00
631	490086.72	3859985.12	5.86792	2.13E+00	2.40E+00	2.97E+00
632	490136.72	3859985.12	5.99424	2.18E+00	2.45E+00	3.04E+00
633	490186.72	3859985.12	6.16546	2.24E+00	2.52E+00	3.12E+00
634	490236.72	3859985.12	6.36502	2.31E+00	2.60E+00	3.22E+00
635	490286.72	3859985.12	6.49835	2.36E+00	2.65E+00	3.29E+00
636	490336.72	3859985.12	6.60319	2.40E+00	2.70E+00	3.34E+00
637	490386.72	3859985.12	6.64136	2.41E+00	2.71E+00	3.36E+00
638	490436.72	3859985.12	6.73886	2.45E+00	2.75E+00	3.41E+00
639	490486.72	3859985.12	6.91108	2.51E+00	2.82E+00	3.50E+00
640	490536.72	3859985.12	7.1903	2.61E+00	2.94E+00	3.64E+00
641	490586.72	3859985.12	7.58548	2.76E+00	3.10E+00	3.84E+00
642	490636.72	3859985.12	8.54112	3.11E+00	3.49E+00	4.33E+00
643	490686.72	3859985.12	9.98406	3.63E+00	4.08E+00	5.06E+00
644	490736.72	3859985.12	11.08059	4.03E+00	4.53E+00	5.61E+00
645	490786.72	3859985.12	12.27872	4.46E+00	5.02E+00	6.22E+00
646	490086.72	3860035.12	5.34568	1.94E+00	2.18E+00	2.71E+00
647	490136.72	3860035.12	5.46614	1.99E+00	2.23E+00	2.77E+00
648	490186.72	3860035.12	5.58962	2.03E+00	2.28E+00	2.83E+00
649	490236.72	3860035.12	5.72219	2.08E+00	2.34E+00	2.90E+00
650	490286.72	3860035.12	5.83917	2.12E+00	2.39E+00	2.96E+00
651	490336.72	3860035.12	5.98764	2.18E+00	2.45E+00	3.03E+00
652	490386.72	3860035.12	6.03154	2.19E+00	2.46E+00	3.06E+00
653	490436.72	3860035.12	6.113	2.22E+00	2.50E+00	3.10E+00
654	490486.72	3860035.12	6.22648	2.26E+00	2.54E+00	3.15E+00
655	490536.72	3860035.12	6.42205	2.33E+00	2.62E+00	3.25E+00
656	490586.72	3860035.12	6.6472	2.42E+00	2.72E+00	3.37E+00
657	490636.72	3860035.12	6.83	2.48E+00	2.79E+00	3.46E+00
658	490686.72	3860035.12	7.29142	2.65E+00	2.98E+00	3.69E+00
659	490736.72	3860035.12	8.44073	3.07E+00	3.45E+00	4.28E+00
660	490786.72	3860035.12	9.38465	3.41E+00	3.83E+00	4.75E+00
661	490836.72	3860035.12	10.3161	3.75E+00	4.21E+00	5.23E+00
662	490086.72	3860085.12	5.00823	1.82E+00	2.05E+00	2.54E+00
663	490136.72	3860085.12	5.05787	1.84E+00	2.07E+00	2.56E+00
664	490186.72	3860085.12	5.19368	1.89E+00	2.12E+00	2.63E+00
665	490236.72	3860085.12	5.30341	1.93E+00	2.17E+00	2.69E+00
666	490286.72	3860085.12	5.41646	1.97E+00	2.21E+00	2.74E+00
667	490336.72	3860085.12	5.50158	2.00E+00	2.25E+00	2.79E+00
668	490386.72	3860085.12	5.58932	2.03E+00	2.28E+00	2.83E+00
669	490436.72	3860085.12	5.67011	2.06E+00	2.32E+00	2.87E+00
670	490486.72	3860085.12	5.74036	2.09E+00	2.34E+00	2.91E+00
671	490536.72	3860085.12	5.88364	2.14E+00	2.40E+00	2.98E+00
672	490586.72	3860085.12	6.04945	2.20E+00	2.47E+00	3.06E+00
673	490636.72	3860085.12	6.18704	2.25E+00	2.53E+00	3.13E+00
674	490686.72	3860085.12	6.53293	2.38E+00	2.67E+00	3.31E+00
675	490736.72	3860085.12	6.95955	2.53E+00	2.84E+00	3.53E+00
676	490786.72	3860085.12	7.46202	2.71E+00	3.05E+00	3.78E+00
677	490836.72	3860085.12	8.08118	2.94E+00	3.30E+00	4.09E+00
678	490086.72	3860135.12	4.60086	1.67E+00	1.88E+00	2.33E+00
679	490136.72	3860135.12	4.72542	1.72E+00	1.93E+00	2.39E+00
680	490186.72	3860135.12	4.85049	1.76E+00	1.98E+00	2.46E+00
681	490236.72	3860135.12	4.9485	1.80E+00	2.02E+00	2.51E+00
682	490286.72	3860135.12	5.05635	1.84E+00	2.07E+00	2.56E+00
683	490336.72	3860135.12	5.16201	1.88E+00	2.11E+00	2.61E+00
684	490386.72	3860135.12	5.23644	1.90E+00	2.14E+00	2.65E+00
685	490436.72	3860135.12	5.30156	1.93E+00	2.17E+00	2.69E+00
686	490486.72	3860135.12	5.37386	1.95E+00	2.20E+00	2.72E+00
687	490536.72	3860135.12	5.48007	1.99E+00	2.24E+00	2.78E+00
688	490586.72	3860135.12	5.57206	2.03E+00	2.28E+00	2.82E+00
689	490636.72	3860135.12	5.67236	2.06E+00	2.32E+00	2.87E+00

690	490686.72	3860135.12	5.93904	2.16E+00	2.43E+00	3.01E+00
691	490736.72	3860135.12	6.28011	2.28E+00	2.57E+00	3.18E+00
692	490786.72	3860135.12	6.7006	2.44E+00	2.74E+00	3.39E+00
693	490836.72	3860135.12	7.11594	2.59E+00	2.91E+00	3.60E+00
694	490086.72	3860185.12	4.28673	1.56E+00	1.75E+00	2.17E+00
695	490136.72	3860185.12	4.42554	1.61E+00	1.81E+00	2.24E+00
696	490186.72	3860185.12	4.54731	1.65E+00	1.86E+00	2.30E+00
697	490236.72	3860185.12	4.64595	1.69E+00	1.90E+00	2.35E+00
698	490286.72	3860185.12	4.74538	1.73E+00	1.94E+00	2.40E+00
699	490336.72	3860185.12	4.82595	1.75E+00	1.97E+00	2.44E+00
700	490386.72	3860185.12	4.9095	1.78E+00	2.01E+00	2.49E+00
701	490436.72	3860185.12	4.97928	1.81E+00	2.03E+00	2.52E+00
702	490486.72	3860185.12	5.0337	1.83E+00	2.06E+00	2.55E+00
703	490536.72	3860185.12	5.10288	1.86E+00	2.08E+00	2.58E+00
704	490586.72	3860185.12	5.20722	1.89E+00	2.13E+00	2.64E+00
705	490636.72	3860185.12	5.2919	1.92E+00	2.16E+00	2.68E+00
706	490686.72	3860185.12	5.45323	1.98E+00	2.23E+00	2.76E+00
707	490736.72	3860185.12	5.70598	2.07E+00	2.33E+00	2.89E+00
708	490786.72	3860185.12	6.03935	2.20E+00	2.47E+00	3.06E+00
709	490836.72	3860185.12	6.41283	2.33E+00	2.62E+00	3.25E+00
710	490086.72	3860235.12	4.02751	1.46E+00	1.65E+00	2.04E+00
711	490136.72	3860235.12	4.15077	1.51E+00	1.70E+00	2.10E+00
712	490186.72	3860235.12	4.26801	1.55E+00	1.74E+00	2.16E+00
713	490236.72	3860235.12	4.3668	1.59E+00	1.78E+00	2.21E+00
714	490286.72	3860235.12	4.45162	1.62E+00	1.82E+00	2.25E+00
715	490336.72	3860235.12	4.53741	1.65E+00	1.85E+00	2.30E+00
716	490386.72	3860235.12	4.61177	1.68E+00	1.88E+00	2.34E+00
717	490436.72	3860235.12	4.68386	1.70E+00	1.91E+00	2.37E+00
718	490486.72	3860235.12	4.74499	1.73E+00	1.94E+00	2.40E+00
719	490536.72	3860235.12	4.82614	1.75E+00	1.97E+00	2.44E+00
720	490586.72	3860235.12	4.92812	1.79E+00	2.01E+00	2.50E+00
721	490636.72	3860235.12	5.04797	1.84E+00	2.06E+00	2.56E+00
722	490686.72	3860235.12	5.19611	1.89E+00	2.12E+00	2.63E+00
723	490736.72	3860235.12	5.3544	1.95E+00	2.19E+00	2.71E+00
724	490786.72	3860235.12	5.52979	2.01E+00	2.26E+00	2.80E+00
725	490086.72	3860285.12	3.77265	1.37E+00	1.54E+00	1.91E+00
726	490136.72	3860285.12	3.89315	1.42E+00	1.59E+00	1.97E+00
727	490186.72	3860285.12	3.99703	1.45E+00	1.63E+00	2.02E+00
728	490236.72	3860285.12	4.0965	1.49E+00	1.67E+00	2.07E+00
729	490286.72	3860285.12	4.18244	1.52E+00	1.71E+00	2.12E+00
730	490336.72	3860285.12	4.26561	1.55E+00	1.74E+00	2.16E+00
731	490386.72	3860285.12	4.3495	1.58E+00	1.78E+00	2.20E+00
732	490436.72	3860285.12	4.42869	1.61E+00	1.81E+00	2.24E+00
733	490486.72	3860285.12	4.52032	1.64E+00	1.85E+00	2.29E+00
734	490536.72	3860285.12	4.60649	1.67E+00	1.88E+00	2.33E+00
735	490586.72	3860285.12	4.70558	1.71E+00	1.92E+00	2.38E+00
736	490636.72	3860285.12	4.82321	1.75E+00	1.97E+00	2.44E+00
737	490686.72	3860285.12	4.96235	1.80E+00	2.03E+00	2.51E+00
738	490736.72	3860285.12	5.10421	1.86E+00	2.09E+00	2.59E+00
739	490786.72	3860285.12	5.27594	1.92E+00	2.16E+00	2.67E+00
740	490086.72	3860335.12	3.53488	1.29E+00	1.44E+00	1.79E+00
741	490136.72	3860335.12	3.64744	1.33E+00	1.49E+00	1.85E+00
742	490186.72	3860335.12	3.75478	1.37E+00	1.53E+00	1.90E+00
743	490236.72	3860335.12	3.85092	1.40E+00	1.57E+00	1.95E+00
744	490286.72	3860335.12	3.9454	1.43E+00	1.61E+00	2.00E+00
745	490336.72	3860335.12	4.03156	1.47E+00	1.65E+00	2.04E+00
746	490386.72	3860335.12	4.12269	1.50E+00	1.68E+00	2.09E+00
747	490436.72	3860335.12	4.22312	1.54E+00	1.73E+00	2.14E+00
748	490486.72	3860335.12	4.32133	1.57E+00	1.77E+00	2.19E+00
749	490536.72	3860335.12	4.43036	1.61E+00	1.81E+00	2.24E+00
750	490586.72	3860335.12	4.52408	1.64E+00	1.85E+00	2.29E+00
751	490636.72	3860335.12	4.6315	1.68E+00	1.89E+00	2.35E+00
752	490686.72	3860335.12	4.74976	1.73E+00	1.94E+00	2.41E+00

753	490736.72	3860335.12	4.88309	1.78E+00	1.99E+00	2.47E+00
754	490786.72	3860335.12	5.05973	1.84E+00	2.07E+00	2.56E+00
755	490086.72	3860385.12	3.28761	1.20E+00	1.34E+00	1.67E+00
756	490136.72	3860385.12	3.40912	1.24E+00	1.39E+00	1.73E+00
757	490186.72	3860385.12	3.51062	1.28E+00	1.43E+00	1.78E+00
758	490236.72	3860385.12	3.62011	1.32E+00	1.48E+00	1.83E+00
759	490286.72	3860385.12	3.7204	1.35E+00	1.52E+00	1.88E+00
760	490336.72	3860385.12	3.82042	1.39E+00	1.56E+00	1.94E+00
761	490386.72	3860385.12	3.92363	1.43E+00	1.60E+00	1.99E+00
762	490436.72	3860385.12	4.0261	1.46E+00	1.64E+00	2.04E+00
763	490486.72	3860385.12	4.13447	1.50E+00	1.69E+00	2.09E+00
764	490536.72	3860385.12	4.23914	1.54E+00	1.73E+00	2.15E+00
765	490586.72	3860385.12	4.34262	1.58E+00	1.77E+00	2.20E+00
766	490636.72	3860385.12	4.44247	1.62E+00	1.81E+00	2.25E+00
767	490686.72	3860385.12	4.56028	1.66E+00	1.86E+00	2.31E+00
768	490736.72	3860385.12	4.67175	1.70E+00	1.91E+00	2.37E+00
769	490786.72	3860385.12	4.80346	1.75E+00	1.96E+00	2.43E+00
770	490136.72	3860435.12	3.1525	1.15E+00	1.29E+00	1.60E+00
771	490186.72	3860435.12	3.27097	1.19E+00	1.34E+00	1.66E+00
772	490236.72	3860435.12	3.38485	1.23E+00	1.38E+00	1.71E+00
773	490286.72	3860435.12	3.49506	1.27E+00	1.43E+00	1.77E+00
774	490336.72	3860435.12	3.59875	1.31E+00	1.47E+00	1.82E+00
775	490386.72	3860435.12	3.70555	1.35E+00	1.51E+00	1.88E+00
776	490436.72	3860435.12	3.8094	1.38E+00	1.56E+00	1.93E+00
777	490486.72	3860435.12	3.9126	1.42E+00	1.60E+00	1.98E+00
778	490536.72	3860435.12	4.0194	1.46E+00	1.64E+00	2.04E+00
779	490586.72	3860435.12	4.12064	1.50E+00	1.68E+00	2.09E+00
780	490636.72	3860435.12	4.22011	1.53E+00	1.72E+00	2.14E+00
781	490686.72	3860435.12	4.32744	1.57E+00	1.77E+00	2.19E+00
782	490736.72	3860435.12	4.44523	1.62E+00	1.82E+00	2.25E+00
783	490786.72	3860435.12	4.55073	1.65E+00	1.86E+00	2.30E+00
784	490136.72	3860485.12	2.90893	1.06E+00	1.19E+00	1.47E+00
785	490186.72	3860485.12	3.01753	1.10E+00	1.23E+00	1.53E+00
786	490236.72	3860485.12	3.12877	1.14E+00	1.28E+00	1.58E+00
787	490286.72	3860485.12	3.24431	1.18E+00	1.33E+00	1.64E+00
788	490336.72	3860485.12	3.3492	1.22E+00	1.37E+00	1.70E+00
789	490386.72	3860485.12	3.45604	1.26E+00	1.41E+00	1.75E+00
790	490436.72	3860485.12	3.56511	1.30E+00	1.46E+00	1.81E+00
791	490486.72	3860485.12	3.66052	1.33E+00	1.50E+00	1.85E+00
792	490536.72	3860485.12	3.75339	1.36E+00	1.53E+00	1.90E+00
793	490586.72	3860485.12	3.84669	1.40E+00	1.57E+00	1.95E+00
794	490636.72	3860485.12	3.94683	1.43E+00	1.61E+00	2.00E+00
795	490686.72	3860485.12	4.03417	1.47E+00	1.65E+00	2.04E+00
796	490736.72	3860485.12	4.13373	1.50E+00	1.69E+00	2.09E+00
797	490786.72	3860485.12	4.23457	1.54E+00	1.73E+00	2.14E+00
798	490136.72	3860535.12	2.64648	9.62E-01	1.08E+00	1.34E+00
799	490186.72	3860535.12	2.77282	1.01E+00	1.13E+00	1.40E+00
800	490236.72	3860535.12	2.86074	1.04E+00	1.17E+00	1.45E+00
801	490286.72	3860535.12	2.96449	1.08E+00	1.21E+00	1.50E+00
802	490336.72	3860535.12	3.07016	1.12E+00	1.25E+00	1.56E+00
803	490386.72	3860535.12	3.1757	1.15E+00	1.30E+00	1.61E+00
804	490436.72	3860535.12	3.27553	1.19E+00	1.34E+00	1.66E+00
805	490486.72	3860535.12	3.3692	1.22E+00	1.38E+00	1.71E+00
806	490536.72	3860535.12	3.47429	1.26E+00	1.42E+00	1.76E+00
807	490586.72	3860535.12	3.53409	1.28E+00	1.44E+00	1.79E+00
808	490636.72	3860535.12	3.61082	1.31E+00	1.48E+00	1.83E+00
809	490686.72	3860535.12	3.69267	1.34E+00	1.51E+00	1.87E+00
810	490736.72	3860535.12	3.76603	1.37E+00	1.54E+00	1.91E+00
811	490786.72	3860535.12	3.85468	1.40E+00	1.57E+00	1.95E+00
812	490136.72	3860585.12	2.55875	9.30E-01	1.05E+00	1.30E+00
813	490186.72	3860585.12	2.53974	9.23E-01	1.04E+00	1.29E+00
814	490236.72	3860585.12	2.58238	9.39E-01	1.05E+00	1.31E+00
815	490286.72	3860585.12	2.68606	9.77E-01	1.10E+00	1.36E+00

816	490336.72	3860585.12	2.78213	1.01E+00	1.14E+00	1.41E+00
817	490386.72	3860585.12	2.87358	1.04E+00	1.17E+00	1.46E+00
818	490436.72	3860585.12	2.97823	1.08E+00	1.22E+00	1.51E+00
819	490486.72	3860585.12	3.07194	1.12E+00	1.25E+00	1.56E+00
820	490536.72	3860585.12	3.14851	1.14E+00	1.29E+00	1.59E+00
821	490586.72	3860585.12	3.18689	1.16E+00	1.30E+00	1.61E+00
822	490636.72	3860585.12	3.25661	1.18E+00	1.33E+00	1.65E+00
823	490686.72	3860585.12	3.32106	1.21E+00	1.36E+00	1.68E+00
824	490736.72	3860585.12	3.38439	1.23E+00	1.38E+00	1.71E+00
825	490786.72	3860585.12	3.44053	1.25E+00	1.41E+00	1.74E+00
826	490136.72	3860635.12	2.49936	9.09E-01	1.02E+00	1.27E+00
827	490186.72	3860635.12	2.499	9.09E-01	1.02E+00	1.27E+00
828	490236.72	3860635.12	2.49553	9.07E-01	1.02E+00	1.26E+00
829	490286.72	3860635.12	2.51803	9.15E-01	1.03E+00	1.28E+00
830	490336.72	3860635.12	2.55091	9.27E-01	1.04E+00	1.29E+00
831	490386.72	3860635.12	2.59987	9.45E-01	1.06E+00	1.32E+00
832	490436.72	3860635.12	2.67796	9.74E-01	1.09E+00	1.36E+00
833	490486.72	3860635.12	2.75451	1.00E+00	1.13E+00	1.40E+00
834	490536.72	3860635.12	2.83431	1.03E+00	1.16E+00	1.44E+00
835	490586.72	3860635.12	2.88412	1.05E+00	1.18E+00	1.46E+00
836	490636.72	3860635.12	2.94497	1.07E+00	1.20E+00	1.49E+00
837	490686.72	3860635.12	2.99654	1.09E+00	1.22E+00	1.52E+00
838	490736.72	3860635.12	3.03337	1.10E+00	1.24E+00	1.54E+00
839	490786.72	3860635.12	3.08014	1.12E+00	1.26E+00	1.56E+00
840	490136.72	3860685.12	2.40575	8.75E-01	9.83E-01	1.22E+00
841	490186.72	3860685.12	2.4576	8.93E-01	1.00E+00	1.24E+00
842	490236.72	3860685.12	2.44962	8.91E-01	1.00E+00	1.24E+00
843	490286.72	3860685.12	2.42688	8.82E-01	9.91E-01	1.23E+00
844	490336.72	3860685.12	2.46816	8.97E-01	1.01E+00	1.25E+00
845	490386.72	3860685.12	2.49909	9.09E-01	1.02E+00	1.27E+00
846	490436.72	3860685.12	2.51899	9.16E-01	1.03E+00	1.28E+00
847	490486.72	3860685.12	2.53738	9.22E-01	1.04E+00	1.29E+00
848	490536.72	3860685.12	2.56781	9.34E-01	1.05E+00	1.30E+00
849	490586.72	3860685.12	2.61834	9.52E-01	1.07E+00	1.33E+00
850	490636.72	3860685.12	2.67687	9.73E-01	1.09E+00	1.36E+00
851	490686.72	3860685.12	2.73232	9.93E-01	1.12E+00	1.38E+00
852	490736.72	3860685.12	2.76735	1.01E+00	1.13E+00	1.40E+00
853	490786.72	3860685.12	2.82091	1.03E+00	1.15E+00	1.43E+00
854	490136.72	3860735.12	2.28957	8.32E-01	9.35E-01	1.16E+00
855	490186.72	3860735.12	2.30422	8.38E-01	9.41E-01	1.17E+00
856	490236.72	3860735.12	2.32585	8.46E-01	9.50E-01	1.18E+00
857	490286.72	3860735.12	2.35269	8.55E-01	9.61E-01	1.19E+00
858	490336.72	3860735.12	2.3792	8.65E-01	9.72E-01	1.21E+00
859	490386.72	3860735.12	2.41521	8.78E-01	9.87E-01	1.22E+00
860	490436.72	3860735.12	2.46685	8.97E-01	1.01E+00	1.25E+00
861	490486.72	3860735.12	2.47947	9.01E-01	1.01E+00	1.26E+00
862	490536.72	3860735.12	2.47721	9.01E-01	1.01E+00	1.25E+00
863	490586.72	3860735.12	2.49778	9.08E-01	1.02E+00	1.27E+00
864	490636.72	3860735.12	2.52503	9.18E-01	1.03E+00	1.28E+00
865	490686.72	3860735.12	2.5693	9.34E-01	1.05E+00	1.30E+00
866	490736.72	3860735.12	2.61584	9.51E-01	1.07E+00	1.32E+00
867	490136.72	3860785.12	2.19725	7.99E-01	8.98E-01	1.11E+00
868	490186.72	3860785.12	2.22232	8.08E-01	9.08E-01	1.13E+00
869	490236.72	3860785.12	2.24444	8.16E-01	9.17E-01	1.14E+00
870	490286.72	3860785.12	2.2692	8.25E-01	9.27E-01	1.15E+00
871	490336.72	3860785.12	2.29379	8.34E-01	9.37E-01	1.16E+00
872	490386.72	3860785.12	2.33581	8.49E-01	9.54E-01	1.18E+00
873	490436.72	3860785.12	2.36207	8.59E-01	9.65E-01	1.20E+00
874	490486.72	3860785.12	2.40167	8.73E-01	9.81E-01	1.22E+00
875	490536.72	3860785.12	2.41421	8.78E-01	9.86E-01	1.22E+00
876	490586.72	3860785.12	2.41197	8.77E-01	9.85E-01	1.22E+00
877	490636.72	3860785.12	2.43086	8.84E-01	9.93E-01	1.23E+00
878	490686.72	3860785.12	2.46299	8.95E-01	1.01E+00	1.25E+00

879	490736.72	3860785.12	2.50853	9.12E-01	1.02E+00	1.27E+00
880	490086.72	3860835.12	2.10014	7.64E-01	8.58E-01	1.06E+00
881	490136.72	3860835.12	2.13517	7.76E-01	8.72E-01	1.08E+00
882	490186.72	3860835.12	2.15338	7.83E-01	8.80E-01	1.09E+00
883	490236.72	3860835.12	2.17325	7.90E-01	8.88E-01	1.10E+00
884	490286.72	3860835.12	2.1996	8.00E-01	8.99E-01	1.11E+00
885	490336.72	3860835.12	2.22031	8.07E-01	9.07E-01	1.12E+00
886	490386.72	3860835.12	2.24518	8.16E-01	9.17E-01	1.14E+00
887	490436.72	3860835.12	2.27972	8.29E-01	9.31E-01	1.15E+00
888	490486.72	3860835.12	2.31	8.40E-01	9.44E-01	1.17E+00
889	490536.72	3860835.12	2.33195	8.48E-01	9.53E-01	1.18E+00
890	490586.72	3860835.12	2.3433	8.52E-01	9.57E-01	1.19E+00
891	490636.72	3860835.12	2.35515	8.56E-01	9.62E-01	1.19E+00
892	490686.72	3860835.12	2.38053	8.65E-01	9.72E-01	1.21E+00
893	490736.72	3860835.12	2.42014	8.80E-01	9.89E-01	1.23E+00
894	490086.72	3860885.12	2.04321	7.43E-01	8.35E-01	1.03E+00
895	490136.72	3860885.12	2.07051	7.53E-01	8.46E-01	1.05E+00
896	490186.72	3860885.12	2.09201	7.61E-01	8.55E-01	1.06E+00
897	490236.72	3860885.12	2.11364	7.68E-01	8.63E-01	1.07E+00
898	490286.72	3860885.12	2.13431	7.76E-01	8.72E-01	1.08E+00
899	490336.72	3860885.12	2.15254	7.83E-01	8.79E-01	1.09E+00
900	490386.72	3860885.12	2.17999	7.93E-01	8.91E-01	1.10E+00
901	490436.72	3860885.12	2.21089	8.04E-01	9.03E-01	1.12E+00
902	490486.72	3860885.12	2.23621	8.13E-01	9.14E-01	1.13E+00
903	490536.72	3860885.12	2.25669	8.20E-01	9.22E-01	1.14E+00
904	490586.72	3860885.12	2.27155	8.26E-01	9.28E-01	1.15E+00
905	490636.72	3860885.12	2.28366	8.30E-01	9.33E-01	1.16E+00
906	490686.72	3860885.12	2.3021	8.37E-01	9.40E-01	1.17E+00
907	490736.72	3860885.12	2.32669	8.46E-01	9.50E-01	1.18E+00
908	490086.72	3860935.12	1.9792	7.20E-01	8.09E-01	1.00E+00
909	490136.72	3860935.12	2.00088	7.27E-01	8.17E-01	1.01E+00
910	490186.72	3860935.12	2.02882	7.38E-01	8.29E-01	1.03E+00
911	490236.72	3860935.12	2.05278	7.46E-01	8.39E-01	1.04E+00
912	490286.72	3860935.12	2.07656	7.55E-01	8.48E-01	1.05E+00
913	490336.72	3860935.12	2.09295	7.61E-01	8.55E-01	1.06E+00
914	490386.72	3860935.12	2.12018	7.71E-01	8.66E-01	1.07E+00
915	490436.72	3860935.12	2.14783	7.81E-01	8.77E-01	1.09E+00
916	490486.72	3860935.12	2.16869	7.88E-01	8.86E-01	1.10E+00
917	490536.72	3860935.12	2.19044	7.96E-01	8.95E-01	1.11E+00
918	490586.72	3860935.12	2.2046	8.01E-01	9.01E-01	1.12E+00
919	490636.72	3860935.12	2.21677	8.06E-01	9.06E-01	1.12E+00
920	490686.72	3860935.12	2.23286	8.12E-01	9.12E-01	1.13E+00
921	490736.72	3860935.12	2.25054	8.18E-01	9.19E-01	1.14E+00
922	490786.72	3860935.12	2.27201	8.26E-01	9.28E-01	1.15E+00
923	490836.72	3860935.12	2.3057	8.38E-01	9.42E-01	1.17E+00
924	490086.72	3860985.12	1.92468	7.00E-01	7.86E-01	9.75E-01
925	490136.72	3860985.12	1.95254	7.10E-01	7.98E-01	9.89E-01
926	490186.72	3860985.12	1.98166	7.20E-01	8.10E-01	1.00E+00
927	490236.72	3860985.12	1.99813	7.26E-01	8.16E-01	1.01E+00
928	490286.72	3860985.12	2.01691	7.33E-01	8.24E-01	1.02E+00
929	490336.72	3860985.12	2.03678	7.40E-01	8.32E-01	1.03E+00
930	490386.72	3860985.12	2.05948	7.49E-01	8.41E-01	1.04E+00
931	490436.72	3860985.12	2.08969	7.60E-01	8.54E-01	1.06E+00
932	490486.72	3860985.12	2.10851	7.67E-01	8.61E-01	1.07E+00
933	490536.72	3860985.12	2.12348	7.72E-01	8.67E-01	1.08E+00
934	490586.72	3860985.12	2.13739	7.77E-01	8.73E-01	1.08E+00
935	490636.72	3860985.12	2.1544	7.83E-01	8.80E-01	1.09E+00
936	490686.72	3860985.12	2.16455	7.87E-01	8.84E-01	1.10E+00
937	490736.72	3860985.12	2.17413	7.90E-01	8.88E-01	1.10E+00
938	490786.72	3860985.12	2.18857	7.96E-01	8.94E-01	1.11E+00
939	490836.72	3860985.12	2.20754	8.03E-01	9.02E-01	1.12E+00
940	490086.72	3861035.12	1.87037	6.80E-01	7.64E-01	9.47E-01
941	490136.72	3861035.12	1.90149	6.91E-01	7.77E-01	9.63E-01

942	490186.72	3861035.12	1.92603	7.00E-01	7.87E-01	9.76E-01
943	490236.72	3861035.12	1.94996	7.09E-01	7.97E-01	9.88E-01
944	490286.72	3861035.12	1.9647	7.14E-01	8.03E-01	9.95E-01
945	490336.72	3861035.12	1.9807	7.20E-01	8.09E-01	1.00E+00
946	490386.72	3861035.12	2.00693	7.30E-01	8.20E-01	1.02E+00
947	490436.72	3861035.12	2.03341	7.39E-01	8.31E-01	1.03E+00
948	490486.72	3861035.12	2.05169	7.46E-01	8.38E-01	1.04E+00
949	490536.72	3861035.12	2.0654	7.51E-01	8.44E-01	1.05E+00
950	490586.72	3861035.12	2.07589	7.55E-01	8.48E-01	1.05E+00
951	490636.72	3861035.12	2.08367	7.58E-01	8.51E-01	1.06E+00
952	490686.72	3861035.12	2.08911	7.60E-01	8.53E-01	1.06E+00
953	490736.72	3861035.12	2.09294	7.61E-01	8.55E-01	1.06E+00
954	490786.72	3861035.12	2.09854	7.63E-01	8.57E-01	1.06E+00
955	490836.72	3861035.12	2.10193	7.64E-01	8.59E-01	1.06E+00
956	490086.72	3861085.12	1.8187	6.61E-01	7.43E-01	9.21E-01
957	490136.72	3861085.12	1.85593	6.75E-01	7.58E-01	9.40E-01
958	490186.72	3861085.12	1.88935	6.87E-01	7.72E-01	9.57E-01
959	490236.72	3861085.12	1.90581	6.93E-01	7.79E-01	9.65E-01
960	490286.72	3861085.12	1.92076	6.98E-01	7.85E-01	9.73E-01
961	490336.72	3861085.12	1.93398	7.03E-01	7.90E-01	9.80E-01
962	490386.72	3861085.12	1.95596	7.11E-01	7.99E-01	9.91E-01
963	490436.72	3861085.12	1.97293	7.17E-01	8.06E-01	9.99E-01
964	490486.72	3861085.12	1.98833	7.23E-01	8.12E-01	1.01E+00
965	490536.72	3861085.12	2.00616	7.29E-01	8.20E-01	1.02E+00
966	490586.72	3861085.12	2.01116	7.31E-01	8.22E-01	1.02E+00
967	490636.72	3861085.12	2.00805	7.30E-01	8.20E-01	1.02E+00
968	490686.72	3861085.12	2.00596	7.29E-01	8.19E-01	1.02E+00
969	490736.72	3861085.12	2.0034	7.28E-01	8.18E-01	1.01E+00
970	490786.72	3861085.12	1.99718	7.26E-01	8.16E-01	1.01E+00
971	490836.72	3861085.12	1.9865	7.22E-01	8.12E-01	1.01E+00
972	490086.72	3861135.12	1.76734	6.43E-01	7.22E-01	8.95E-01
973	490136.72	3861135.12	1.80361	6.56E-01	7.37E-01	9.14E-01
974	490186.72	3861135.12	1.8356	6.67E-01	7.50E-01	9.30E-01
975	490236.72	3861135.12	1.86	6.76E-01	7.60E-01	9.42E-01
976	490286.72	3861135.12	1.87703	6.82E-01	7.67E-01	9.51E-01
977	490336.72	3861135.12	1.88885	6.87E-01	7.72E-01	9.57E-01
978	490386.72	3861135.12	1.90336	6.92E-01	7.78E-01	9.64E-01
979	490436.72	3861135.12	1.91457	6.96E-01	7.82E-01	9.70E-01
980	490486.72	3861135.12	1.92594	7.00E-01	7.87E-01	9.76E-01
981	490536.72	3861135.12	1.93432	7.03E-01	7.90E-01	9.80E-01
982	490586.72	3861135.12	1.93554	7.04E-01	7.91E-01	9.80E-01
983	490636.72	3861135.12	1.92731	7.01E-01	7.87E-01	9.76E-01
984	490686.72	3861135.12	1.91998	6.98E-01	7.84E-01	9.72E-01
985	490736.72	3861135.12	1.90985	6.94E-01	7.80E-01	9.67E-01
986	490786.72	3861135.12	1.89441	6.89E-01	7.74E-01	9.60E-01
987	490836.72	3861135.12	1.87365	6.81E-01	7.65E-01	9.49E-01
988	490086.72	3861185.12	1.71646	6.24E-01	7.01E-01	8.69E-01
989	490136.72	3861185.12	1.74682	6.35E-01	7.14E-01	8.85E-01
990	490186.72	3861185.12	1.77626	6.46E-01	7.26E-01	9.00E-01
991	490236.72	3861185.12	1.8011	6.55E-01	7.36E-01	9.12E-01
992	490286.72	3861185.12	1.82445	6.63E-01	7.45E-01	9.24E-01
993	490336.72	3861185.12	1.82716	6.64E-01	7.46E-01	9.25E-01
994	490386.72	3861185.12	1.83844	6.68E-01	7.51E-01	9.31E-01
995	490436.72	3861185.12	1.85104	6.73E-01	7.56E-01	9.38E-01
996	490486.72	3861185.12	1.85501	6.74E-01	7.58E-01	9.40E-01
997	490536.72	3861185.12	1.86628	6.78E-01	7.62E-01	9.45E-01
998	490586.72	3861185.12	1.85847	6.76E-01	7.59E-01	9.41E-01
999	490636.72	3861185.12	1.83886	6.69E-01	7.51E-01	9.31E-01
1000	490686.72	3861185.12	1.82464	6.63E-01	7.45E-01	9.24E-01
1001	490736.72	3861185.12	1.81309	6.59E-01	7.41E-01	9.18E-01
1002	490786.72	3861185.12	1.79481	6.53E-01	7.33E-01	9.09E-01
1003	490836.72	3861185.12	1.77133	6.44E-01	7.24E-01	8.97E-01
1004	490086.72	3861235.12	1.66335	6.05E-01	6.79E-01	8.43E-01

1005	490136.72	3861235.12	1.69507	6.16E-01	6.92E-01	8.59E-01
1006	490186.72	3861235.12	1.7244	6.27E-01	7.04E-01	8.73E-01
1007	490236.72	3861235.12	1.74171	6.33E-01	7.12E-01	8.82E-01
1008	490386.72	3861235.12	1.76917	6.43E-01	7.23E-01	8.96E-01
1009	490436.72	3861235.12	1.76945	6.43E-01	7.23E-01	8.96E-01
1010	490486.72	3861235.12	1.7686	6.43E-01	7.22E-01	8.96E-01
1011	490536.72	3861235.12	1.78031	6.47E-01	7.27E-01	9.02E-01
1012	490586.72	3861235.12	1.78076	6.47E-01	7.27E-01	9.02E-01
1013	490636.72	3861235.12	1.74844	6.36E-01	7.14E-01	8.86E-01
1014	490686.72	3861235.12	1.73184	6.30E-01	7.07E-01	8.77E-01
1015	490736.72	3861235.12	1.71798	6.25E-01	7.02E-01	8.70E-01
1016	490786.72	3861235.12	1.70158	6.19E-01	6.95E-01	8.62E-01
1017	490836.72	3861235.12	1.67768	6.10E-01	6.85E-01	8.50E-01
1018	490086.72	3861285.12	1.61472	5.87E-01	6.60E-01	8.18E-01
1019	490136.72	3861285.12	1.65243	6.01E-01	6.75E-01	8.37E-01
1020	490186.72	3861285.12	1.6714	6.08E-01	6.83E-01	8.47E-01
1021	490236.72	3861285.12	1.68717	6.13E-01	6.89E-01	8.55E-01
1022	490386.72	3861285.12	1.70204	6.19E-01	6.95E-01	8.62E-01
1023	490436.72	3861285.12	1.70203	6.19E-01	6.95E-01	8.62E-01
1024	490486.72	3861285.12	1.69321	6.16E-01	6.92E-01	8.58E-01
1025	490536.72	3861285.12	1.68627	6.13E-01	6.89E-01	8.54E-01
1026	490586.72	3861285.12	1.67938	6.11E-01	6.86E-01	8.51E-01
1027	490636.72	3861285.12	1.65651	6.02E-01	6.77E-01	8.39E-01
1028	490686.72	3861285.12	1.6403	5.96E-01	6.70E-01	8.31E-01
1029	490736.72	3861285.12	1.63289	5.94E-01	6.67E-01	8.27E-01
1030	490786.72	3861285.12	1.61159	5.86E-01	6.58E-01	8.16E-01
1031	490836.72	3861285.12	1.58469	5.76E-01	6.47E-01	8.03E-01
1032	490061.24	3859716.13	11.69762	4.25E+00	4.78E+00	5.92E+00
1033	490111.24	3859716.13	12.70904	4.62E+00	5.19E+00	6.44E+00
1034	490161.24	3859716.13	13.88273	5.05E+00	5.67E+00	7.03E+00
1035	490211.24	3859716.13	15.02975	5.46E+00	6.14E+00	7.61E+00
1036	490061.24	3859766.13	9.68645	3.52E+00	3.96E+00	4.91E+00
1037	490111.24	3859766.13	10.16224	3.69E+00	4.15E+00	5.15E+00
1038	490161.24	3859766.13	10.8066	3.93E+00	4.41E+00	5.47E+00
1039	490211.24	3859766.13	11.57572	4.21E+00	4.73E+00	5.86E+00
1040	490061.24	3859816.13	8.52549	3.10E+00	3.48E+00	4.32E+00
1041	490111.24	3859816.13	8.82146	3.21E+00	3.60E+00	4.47E+00
1042	490161.24	3859816.13	9.13099	3.32E+00	3.73E+00	4.62E+00
1043	490211.24	3859816.13	9.36887	3.41E+00	3.83E+00	4.75E+00
1044	490061.24	3859866.13	7.54776	2.74E+00	3.08E+00	3.82E+00
1045	490111.24	3859866.13	7.78916	2.83E+00	3.18E+00	3.95E+00
1046	490161.24	3859866.13	8.05645	2.93E+00	3.29E+00	4.08E+00
1047	490211.24	3859866.13	8.31509	3.02E+00	3.40E+00	4.21E+00
1048	490061.24	3859916.13	6.69318	2.43E+00	2.73E+00	3.39E+00
1049	490111.24	3859916.13	6.9087	2.51E+00	2.82E+00	3.50E+00
1050	490161.24	3859916.13	7.11723	2.59E+00	2.91E+00	3.60E+00
1051	490211.24	3859916.13	7.31342	2.66E+00	2.99E+00	3.70E+00
1052	490229.25	3859815.26	9.60374	3.49E+00	3.92E+00	4.86E+00
1053	490279.25	3859815.26	10.12627	3.68E+00	4.14E+00	5.13E+00
1054	490329.25	3859815.26	10.6863	3.89E+00	4.37E+00	5.41E+00
1055	490379.25	3859815.26	11.54034	4.20E+00	4.71E+00	5.85E+00
1056	490429.25	3859815.26	13.22781	4.81E+00	5.40E+00	6.70E+00
1057	490229.25	3859865.26	8.41697	3.06E+00	3.44E+00	4.26E+00
1058	490279.25	3859865.26	8.58241	3.12E+00	3.51E+00	4.35E+00
1059	490329.25	3859865.26	8.74307	3.18E+00	3.57E+00	4.43E+00
1060	490379.25	3859865.26	9.23076	3.36E+00	3.77E+00	4.68E+00
1061	490429.25	3859865.26	9.83439	3.58E+00	4.02E+00	4.98E+00
1062	490229.25	3859915.26	7.41514	2.70E+00	3.03E+00	3.76E+00
1063	490279.25	3859915.26	7.54466	2.74E+00	3.08E+00	3.82E+00
1064	490329.25	3859915.26	7.69512	2.80E+00	3.14E+00	3.90E+00
1065	490379.25	3859915.26	7.8878	2.87E+00	3.22E+00	4.00E+00
1066	490429.25	3859915.26	8.10371	2.95E+00	3.31E+00	4.10E+00
1067	490451.43	3859872.59	9.77723	3.55E+00	3.99E+00	4.95E+00

1068	490501.43	3859872.59	11.10941	4.04E+00	4.54E+00	5.63E+00
1069	490551.43	3859872.59	12.97314	4.72E+00	5.30E+00	6.57E+00
1070	490601.43	3859872.59	15.1622	5.51E+00	6.19E+00	7.68E+00
1071	490451.43	3859922.59	8.05272	2.93E+00	3.29E+00	4.08E+00
1072	490501.43	3859922.59	8.46786	3.08E+00	3.46E+00	4.29E+00
1073	490551.43	3859922.59	9.55147	3.47E+00	3.90E+00	4.84E+00
1074	490601.43	3859922.59	11.05821	4.02E+00	4.52E+00	5.60E+00
1075	482129.67	3852241.07	10.53898	3.83E+00	4.31E+00	5.34E+00
1076	482029.67	3852291.07	13.28535	4.83E+00	5.43E+00	6.73E+00
1077	482079.67	3852291.07	11.94608	4.34E+00	4.88E+00	6.05E+00
1078	482129.67	3852291.07	11.09843	4.03E+00	4.53E+00	5.62E+00
1079	482179.67	3852291.07	10.21243	3.71E+00	4.17E+00	5.17E+00
1080	482229.67	3852291.07	9.16078	3.33E+00	3.74E+00	4.64E+00
1081	482029.67	3852341.07	15.4033	5.60E+00	6.29E+00	7.80E+00
1082	482079.67	3852341.07	13.07849	4.75E+00	5.34E+00	6.62E+00
1083	482129.67	3852341.07	11.73448	4.27E+00	4.79E+00	5.94E+00
1084	482179.67	3852341.07	10.86636	3.95E+00	4.44E+00	5.50E+00
1085	482259.06	3852400.14	9.89707	3.60E+00	4.04E+00	5.01E+00
1086	482309.06	3852400.14	8.91676	3.24E+00	3.64E+00	4.52E+00
1087	482209.06	3852450.14	11.86323	4.31E+00	4.85E+00	6.01E+00
1088	482259.06	3852450.14	10.72027	3.90E+00	4.38E+00	5.43E+00
1089	482309.06	3852450.14	9.74286	3.54E+00	3.98E+00	4.93E+00
1090	482209.06	3852500.14	13.35675	4.86E+00	5.46E+00	6.77E+00
1091	482259.06	3852500.14	11.87973	4.32E+00	4.85E+00	6.02E+00
1092	482309.06	3852500.14	10.58339	3.85E+00	4.32E+00	5.36E+00
1093	482283.91	3852513.62	11.55684	4.20E+00	4.72E+00	5.85E+00
1094	482333.91	3852513.62	10.1949	3.71E+00	4.16E+00	5.16E+00
1095	482283.91	3852563.62	12.94935	4.71E+00	5.29E+00	6.56E+00
1096	482333.91	3852563.62	11.34637	4.13E+00	4.64E+00	5.75E+00
1097	482383.91	3852563.62	9.7862	3.56E+00	4.00E+00	4.96E+00
1098	482283.91	3852613.62	16.6017	6.04E+00	6.78E+00	8.41E+00
1099	482333.91	3852613.62	12.94065	4.70E+00	5.29E+00	6.55E+00
1100	482383.91	3852613.62	11.0322	4.01E+00	4.51E+00	5.59E+00
1101	482602.38	3852600.87	6.43166	2.34E+00	2.63E+00	3.26E+00
1102	482652.38	3852600.87	6.11014	2.22E+00	2.50E+00	3.09E+00
1103	482702.38	3852600.87	5.95437	2.16E+00	2.43E+00	3.02E+00
1104	482552.38	3852650.87	7.93084	2.88E+00	3.24E+00	4.02E+00
1105	482602.38	3852650.87	7.13512	2.59E+00	2.91E+00	3.61E+00
1106	482652.38	3852650.87	6.52935	2.37E+00	2.67E+00	3.31E+00
1107	482702.38	3852650.87	6.07784	2.21E+00	2.48E+00	3.08E+00
1108	482552.38	3852700.87	8.60594	3.13E+00	3.52E+00	4.36E+00
1109	482602.38	3852700.87	8.05261	2.93E+00	3.29E+00	4.08E+00
1110	482652.38	3852700.87	7.47651	2.72E+00	3.05E+00	3.79E+00
1111	482702.38	3852700.87	6.89773	2.51E+00	2.82E+00	3.49E+00
1112	482452.38	3852750.87	13.60666	4.95E+00	5.56E+00	6.89E+00
1113	482521.29	3852749.74	9.9234	3.61E+00	4.05E+00	5.03E+00
1114	482571.29	3852749.74	9.14351	3.32E+00	3.74E+00	4.63E+00
1115	482521.29	3852799.74	12.17467	4.43E+00	4.97E+00	6.17E+00
1116	482571.29	3852799.74	10.07279	3.66E+00	4.11E+00	5.10E+00
1117	482621.29	3852799.74	9.2008	3.35E+00	3.76E+00	4.66E+00
1118	482571.29	3852849.74	12.13019	4.41E+00	4.96E+00	6.14E+00
1119	482621.29	3852849.74	10.07881	3.66E+00	4.12E+00	5.11E+00
1120	482577.42	3852901.55	15.49955	5.63E+00	6.33E+00	7.85E+00
1121	482627.42	3852901.55	11.86088	4.31E+00	4.85E+00	6.01E+00
1122	482629.96	3852955.85	15.50874	5.64E+00	6.34E+00	7.86E+00
1123	482679.96	3852955.85	11.81625	4.30E+00	4.83E+00	5.99E+00
1124	482781.63	3853034.48	10.29516	3.74E+00	4.21E+00	5.21E+00
1125	482831.63	3853034.48	8.48383	3.08E+00	3.47E+00	4.30E+00
1126	482881.63	3853034.48	7.28995	2.65E+00	2.98E+00	3.69E+00
1127	482781.63	3853084.48	12.36148	4.49E+00	5.05E+00	6.26E+00
1128	482831.63	3853084.48	9.94422	3.62E+00	4.06E+00	5.04E+00
1129	482881.63	3853084.48	8.26339	3.00E+00	3.38E+00	4.19E+00
1130	482781.63	3853134.48	14.73214	5.36E+00	6.02E+00	7.46E+00

1131	482831.63	3853134.48	11.60594	4.22E+00	4.74E+00	5.88E+00
1132	482881.63	3853134.48	9.53705	3.47E+00	3.90E+00	4.83E+00
1133	482831.63	3853184.48	13.42279	4.88E+00	5.48E+00	6.80E+00
1134	482881.63	3853184.48	10.85918	3.95E+00	4.44E+00	5.50E+00
1135	484154.84	3854250.98	2.16301	7.86E-01	8.84E-01	1.10E+00
1136	484204.84	3854250.98	2.20883	8.03E-01	9.02E-01	1.12E+00
1137	484154.84	3854300.98	2.03507	7.40E-01	8.31E-01	1.03E+00
1138	484204.84	3854300.98	2.02381	7.36E-01	8.27E-01	1.03E+00
1139	484074.19	3854519.8	2.28442	8.31E-01	9.33E-01	1.16E+00
1140	484124.19	3854519.8	2.23888	8.14E-01	9.15E-01	1.13E+00
1141	484074.19	3854569.8	2.09624	7.62E-01	8.56E-01	1.06E+00
1142	484124.19	3854569.8	2.10151	7.64E-01	8.58E-01	1.06E+00
1143	485205.11	3855188.89	1.51893	5.52E-01	6.20E-01	7.69E-01
1144	485255.11	3855188.89	1.58817	5.77E-01	6.49E-01	8.04E-01
1145	485205.11	3855238.89	1.53761	5.59E-01	6.28E-01	7.79E-01
1146	485255.11	3855238.89	1.48105	5.38E-01	6.05E-01	7.50E-01
1147	485205.11	3855288.89	1.58907	5.78E-01	6.49E-01	8.05E-01
1148	485255.11	3855288.89	1.53116	5.57E-01	6.25E-01	7.76E-01
1149	485255.11	3855338.89	1.57158	5.71E-01	6.42E-01	7.96E-01
1150	485305.11	3855338.89	1.51518	5.51E-01	6.19E-01	7.67E-01
1151	485852.5	3855635.28	1.3955	5.07E-01	5.70E-01	7.07E-01
1152	485902.5	3855635.28	1.43351	5.21E-01	5.86E-01	7.26E-01
1153	485852.5	3855685.28	1.31354	4.78E-01	5.37E-01	6.65E-01
1154	485902.5	3855685.28	1.36961	4.98E-01	5.59E-01	6.94E-01
1155	485852.5	3855735.28	1.22881	4.47E-01	5.02E-01	6.22E-01
1156	485902.5	3855735.28	1.28129	4.66E-01	5.23E-01	6.49E-01
1157	485852.5	3855785.28	1.22929	4.47E-01	5.02E-01	6.23E-01
1158	485902.5	3855785.28	1.20644	4.39E-01	4.93E-01	6.11E-01
1159	486809.46	3856465.28	1.07311	3.90E-01	4.38E-01	5.44E-01
1160	486859.46	3856465.28	1.07327	3.90E-01	4.38E-01	5.44E-01
1161	486909.46	3856465.28	1.06489	3.87E-01	4.35E-01	5.39E-01
1162	486809.46	3856515.28	1.05038	3.82E-01	4.29E-01	5.32E-01
1163	486859.46	3856515.28	1.06035	3.85E-01	4.33E-01	5.37E-01
1164	486909.46	3856515.28	1.06098	3.86E-01	4.33E-01	5.37E-01
1165	486980.94	3856357.95	1.11259	4.04E-01	4.55E-01	5.64E-01
1166	487030.94	3856357.95	1.10184	4.01E-01	4.50E-01	5.58E-01
1167	486980.94	3856407.95	1.09293	3.97E-01	4.46E-01	5.54E-01
1168	487030.94	3856407.95	1.08923	3.96E-01	4.45E-01	5.52E-01
1169	487447.18	3856437.45	1.02821	3.74E-01	4.20E-01	5.21E-01
1170	487497.18	3856437.45	1.02577	3.73E-01	4.19E-01	5.20E-01
1171	487547.18	3856437.45	1.01684	3.70E-01	4.15E-01	5.15E-01
1172	487447.18	3856487.45	1.02349	3.72E-01	4.18E-01	5.18E-01
1173	487497.18	3856487.45	1.02716	3.73E-01	4.20E-01	5.20E-01
1174	487547.18	3856487.45	1.02637	3.73E-01	4.19E-01	5.20E-01
1175	487447.18	3856537.45	1.01098	3.68E-01	4.13E-01	5.12E-01
1176	487497.18	3856537.45	1.02014	3.71E-01	4.17E-01	5.17E-01
1177	487547.18	3856537.45	1.02643	3.73E-01	4.19E-01	5.20E-01
1178	489285.89	3858826.54	5.21691	1.90E+00	2.13E+00	2.64E+00
1179	489335.89	3858826.54	4.97974	1.81E+00	2.03E+00	2.52E+00
1180	489385.89	3858826.54	4.78139	1.74E+00	1.95E+00	2.42E+00
1181	489435.89	3858826.54	4.59818	1.67E+00	1.88E+00	2.33E+00
1182	489485.89	3858826.54	4.42138	1.61E+00	1.81E+00	2.24E+00
1183	489535.89	3858826.54	4.25958	1.55E+00	1.74E+00	2.16E+00
1184	489585.89	3858826.54	4.12664	1.50E+00	1.69E+00	2.09E+00
1185	489635.89	3858826.54	4.00412	1.46E+00	1.64E+00	2.03E+00
1186	489685.89	3858826.54	3.97477	1.45E+00	1.62E+00	2.01E+00
1187	489735.89	3858826.54	3.93879	1.43E+00	1.61E+00	2.00E+00
1188	489785.89	3858826.54	3.92704	1.43E+00	1.60E+00	1.99E+00
1189	489835.89	3858826.54	3.89675	1.42E+00	1.59E+00	1.97E+00
1190	489885.89	3858826.54	3.84896	1.40E+00	1.57E+00	1.95E+00
1191	489935.89	3858826.54	3.71997	1.35E+00	1.52E+00	1.88E+00
1192	489985.89	3858826.54	3.50301	1.27E+00	1.43E+00	1.77E+00
1193	490035.89	3858826.54	3.2466	1.18E+00	1.33E+00	1.64E+00

1194	489285.89	3858876.54	5.92184	2.15E+00	2.42E+00	3.00E+00
1195	489335.89	3858876.54	5.58509	2.03E+00	2.28E+00	2.83E+00
1196	489385.89	3858876.54	5.30949	1.93E+00	2.17E+00	2.69E+00
1197	489435.89	3858876.54	5.09073	1.85E+00	2.08E+00	2.58E+00
1198	489485.89	3858876.54	4.86974	1.77E+00	1.99E+00	2.47E+00
1199	489535.89	3858876.54	4.67119	1.70E+00	1.91E+00	2.37E+00
1200	489585.89	3858876.54	4.49479	1.63E+00	1.84E+00	2.28E+00
1201	489635.89	3858876.54	4.33703	1.58E+00	1.77E+00	2.20E+00
1202	489685.89	3858876.54	4.21324	1.53E+00	1.72E+00	2.13E+00
1203	489735.89	3858876.54	4.16668	1.51E+00	1.70E+00	2.11E+00
1204	489785.89	3858876.54	4.11722	1.50E+00	1.68E+00	2.09E+00
1205	489835.89	3858876.54	4.11655	1.50E+00	1.68E+00	2.09E+00
1206	489885.89	3858876.54	4.11249	1.50E+00	1.68E+00	2.08E+00
1207	489935.89	3858876.54	4.04153	1.47E+00	1.65E+00	2.05E+00
1208	489985.89	3858876.54	3.87578	1.41E+00	1.58E+00	1.96E+00
1209	490035.89	3858876.54	3.66991	1.33E+00	1.50E+00	1.86E+00
1210	489285.89	3858926.54	7.54613	2.74E+00	3.08E+00	3.82E+00
1211	489335.89	3858926.54	7.04566	2.56E+00	2.88E+00	3.57E+00
1212	489385.89	3858926.54	6.60617	2.40E+00	2.70E+00	3.35E+00
1213	489435.89	3858926.54	6.23188	2.27E+00	2.55E+00	3.16E+00
1214	489485.89	3858926.54	5.89881	2.14E+00	2.41E+00	2.99E+00
1215	489535.89	3858926.54	5.60301	2.04E+00	2.29E+00	2.84E+00
1216	489585.89	3858926.54	5.33461	1.94E+00	2.18E+00	2.70E+00
1217	489635.89	3858926.54	5.09645	1.85E+00	2.08E+00	2.58E+00
1218	489685.89	3858926.54	4.87778	1.77E+00	1.99E+00	2.47E+00
1219	489735.89	3858926.54	4.71738	1.72E+00	1.93E+00	2.39E+00
1220	489785.89	3858926.54	4.5667	1.66E+00	1.87E+00	2.31E+00
1221	489835.89	3858926.54	4.45472	1.62E+00	1.82E+00	2.26E+00
1222	489885.89	3858926.54	4.33293	1.58E+00	1.77E+00	2.19E+00
1223	489935.89	3858926.54	4.28857	1.56E+00	1.75E+00	2.17E+00
1224	489985.89	3858926.54	4.19824	1.53E+00	1.72E+00	2.13E+00
1225	490035.89	3858926.54	4.02071	1.46E+00	1.64E+00	2.04E+00
1226	489335.89	3858976.54	8.90209	3.24E+00	3.64E+00	4.51E+00
1227	489385.89	3858976.54	8.28533	3.01E+00	3.38E+00	4.20E+00
1228	489435.89	3858976.54	7.76729	2.82E+00	3.17E+00	3.93E+00
1229	489485.89	3858976.54	7.29668	2.65E+00	2.98E+00	3.70E+00
1230	489535.89	3858976.54	6.87665	2.50E+00	2.81E+00	3.48E+00
1231	489585.89	3858976.54	6.52137	2.37E+00	2.66E+00	3.30E+00
1232	489635.89	3858976.54	6.19773	2.25E+00	2.53E+00	3.14E+00
1233	489685.89	3858976.54	5.90106	2.15E+00	2.41E+00	2.99E+00
1234	489735.89	3858976.54	5.64463	2.05E+00	2.31E+00	2.86E+00
1235	489785.89	3858976.54	5.41984	1.97E+00	2.21E+00	2.75E+00
1236	489835.89	3858976.54	5.20974	1.89E+00	2.13E+00	2.64E+00
1237	489885.89	3858976.54	5.06989	1.84E+00	2.07E+00	2.57E+00
1238	489935.89	3858976.54	4.92057	1.79E+00	2.01E+00	2.49E+00
1239	489985.89	3858976.54	4.76174	1.73E+00	1.95E+00	2.41E+00
1240	490035.89	3858976.54	4.48255	1.63E+00	1.83E+00	2.27E+00
1241	489385.89	3859026.54	9.60474	3.49E+00	3.92E+00	4.86E+00
1242	489435.89	3859026.54	8.96718	3.26E+00	3.66E+00	4.54E+00
1243	489485.89	3859026.54	8.41313	3.06E+00	3.44E+00	4.26E+00
1244	489535.89	3859026.54	7.93412	2.88E+00	3.24E+00	4.02E+00
1245	489585.89	3859026.54	7.5012	2.73E+00	3.06E+00	3.80E+00
1246	489635.89	3859026.54	7.12765	2.59E+00	2.91E+00	3.61E+00
1247	489685.89	3859026.54	6.78875	2.47E+00	2.77E+00	3.44E+00
1248	489735.89	3859026.54	6.48903	2.36E+00	2.65E+00	3.29E+00
1249	489785.89	3859026.54	6.2121	2.26E+00	2.54E+00	3.15E+00
1250	489835.89	3859026.54	5.93873	2.16E+00	2.43E+00	3.01E+00
1251	489885.89	3859026.54	5.69103	2.07E+00	2.32E+00	2.88E+00
1252	489935.89	3859026.54	5.47687	1.99E+00	2.24E+00	2.77E+00
1253	489985.89	3859026.54	5.30592	1.93E+00	2.17E+00	2.69E+00
1254	490035.89	3859026.54	4.99156	1.81E+00	2.04E+00	2.53E+00
1255	489485.89	3859076.54	9.52143	3.46E+00	3.89E+00	4.82E+00
1256	489535.89	3859076.54	8.94366	3.25E+00	3.65E+00	4.53E+00

1257	489585.89	3859076.54	8.43358	3.07E+00	3.45E+00	4.27E+00
1258	489635.89	3859076.54	7.99868	2.91E+00	3.27E+00	4.05E+00
1259	489685.89	3859076.54	7.60467	2.76E+00	3.11E+00	3.85E+00
1260	489735.89	3859076.54	7.24944	2.64E+00	2.96E+00	3.67E+00
1261	489785.89	3859076.54	6.92671	2.52E+00	2.83E+00	3.51E+00
1262	489835.89	3859076.54	6.61735	2.41E+00	2.70E+00	3.35E+00
1263	489885.89	3859076.54	6.33047	2.30E+00	2.59E+00	3.21E+00
1264	489935.89	3859076.54	6.06297	2.20E+00	2.48E+00	3.07E+00
1265	489985.89	3859076.54	5.76717	2.10E+00	2.36E+00	2.92E+00
1266	490035.89	3859076.54	5.48894	2.00E+00	2.24E+00	2.78E+00
1267	489585.89	3859126.54	9.58934	3.49E+00	3.92E+00	4.86E+00
1268	489635.89	3859126.54	9.03046	3.28E+00	3.69E+00	4.57E+00
1269	489685.89	3859126.54	8.52926	3.10E+00	3.48E+00	4.32E+00
1270	489735.89	3859126.54	8.08499	2.94E+00	3.30E+00	4.10E+00
1271	489785.89	3859126.54	7.69079	2.80E+00	3.14E+00	3.90E+00
1272	489835.89	3859126.54	7.32075	2.66E+00	2.99E+00	3.71E+00
1273	489885.89	3859126.54	6.97085	2.53E+00	2.85E+00	3.53E+00
1274	489935.89	3859126.54	6.66928	2.42E+00	2.72E+00	3.38E+00
1275	489985.89	3859126.54	6.23691	2.27E+00	2.55E+00	3.16E+00
1276	490035.89	3859126.54	5.95903	2.17E+00	2.43E+00	3.02E+00
1277	489585.89	3859176.54	11.14522	4.05E+00	4.55E+00	5.65E+00
1278	489635.89	3859176.54	10.37823	3.77E+00	4.24E+00	5.26E+00
1279	489685.89	3859176.54	9.71768	3.53E+00	3.97E+00	4.92E+00
1280	489735.89	3859176.54	9.14009	3.32E+00	3.73E+00	4.63E+00
1281	489785.89	3859176.54	8.61568	3.13E+00	3.52E+00	4.36E+00
1282	489835.89	3859176.54	8.15472	2.96E+00	3.33E+00	4.13E+00
1283	489885.89	3859176.54	7.72887	2.81E+00	3.16E+00	3.91E+00
1284	489935.89	3859176.54	7.35085	2.67E+00	3.00E+00	3.72E+00
1285	489985.89	3859176.54	6.90803	2.51E+00	2.82E+00	3.50E+00
1286	490035.89	3859176.54	6.58355	2.39E+00	2.69E+00	3.33E+00
1287	489685.89	3859226.54	11.17536	4.06E+00	4.57E+00	5.66E+00
1288	489735.89	3859226.54	10.41794	3.79E+00	4.26E+00	5.28E+00
1289	489785.89	3859226.54	9.74633	3.54E+00	3.98E+00	4.94E+00
1290	489835.89	3859226.54	9.13936	3.32E+00	3.73E+00	4.63E+00
1291	489885.89	3859226.54	8.60908	3.13E+00	3.52E+00	4.36E+00
1292	489935.89	3859226.54	8.134	2.96E+00	3.32E+00	4.12E+00
1293	489985.89	3859226.54	7.56434	2.75E+00	3.09E+00	3.83E+00
1294	490035.89	3859226.54	7.21856	2.62E+00	2.95E+00	3.66E+00
1295	489735.89	3859276.54	11.9792	4.36E+00	4.89E+00	6.07E+00
1296	489785.89	3859276.54	11.10809	4.04E+00	4.54E+00	5.63E+00
1297	489835.89	3859276.54	10.33241	3.76E+00	4.22E+00	5.23E+00
1298	489885.89	3859276.54	9.66591	3.51E+00	3.95E+00	4.90E+00
1299	489935.89	3859276.54	9.04583	3.29E+00	3.70E+00	4.58E+00
1300	489985.89	3859276.54	8.31788	3.02E+00	3.40E+00	4.21E+00
1301	490035.89	3859276.54	7.99013	2.90E+00	3.26E+00	4.05E+00
1302	490458.06	3859590.74	11.61109	4.22E+00	4.74E+00	5.88E+00
1303	490508.06	3859590.74	10.685	3.88E+00	4.36E+00	5.41E+00
1304	490558.06	3859590.74	9.65624	3.51E+00	3.94E+00	4.89E+00
1305	490608.06	3859590.74	8.87291	3.23E+00	3.62E+00	4.49E+00
1306	490658.06	3859590.74	7.9476	2.89E+00	3.25E+00	4.03E+00
1307	490708.06	3859590.74	7.16027	2.60E+00	2.93E+00	3.63E+00
1308	490758.06	3859590.74	6.39482	2.32E+00	2.61E+00	3.24E+00
1309	490808.06	3859590.74	5.87027	2.13E+00	2.40E+00	2.97E+00
1310	490858.06	3859590.74	5.33972	1.94E+00	2.18E+00	2.70E+00
1311	490458.06	3859640.74	14.6013	5.31E+00	5.96E+00	7.40E+00
1312	490508.06	3859640.74	13.36749	4.86E+00	5.46E+00	6.77E+00
1313	490558.06	3859640.74	12.24181	4.45E+00	5.00E+00	6.20E+00
1314	490608.06	3859640.74	10.99518	4.00E+00	4.49E+00	5.57E+00
1315	490658.06	3859640.74	9.57089	3.48E+00	3.91E+00	4.85E+00
1316	490708.06	3859640.74	8.53002	3.10E+00	3.48E+00	4.32E+00
1317	490758.06	3859640.74	7.56862	2.75E+00	3.09E+00	3.83E+00
1318	490808.06	3859640.74	7.00542	2.55E+00	2.86E+00	3.55E+00
1319	490858.06	3859640.74	6.51361	2.37E+00	2.66E+00	3.30E+00

1320	490608.06	3859690.74	13.74567	5.00E+00	5.62E+00	6.96E+00
1321	490658.06	3859690.74	11.76596	4.28E+00	4.81E+00	5.96E+00
1322	490708.06	3859690.74	10.2964	3.74E+00	4.21E+00	5.22E+00
1323	490758.06	3859690.74	9.00314	3.27E+00	3.68E+00	4.56E+00
1324	490808.06	3859690.74	8.15968	2.97E+00	3.33E+00	4.13E+00
1325	490858.06	3859690.74	7.89845	2.87E+00	3.23E+00	4.00E+00
1326	490708.06	3859740.74	13.52537	4.92E+00	5.53E+00	6.85E+00
1327	490758.06	3859740.74	12.09469	4.40E+00	4.94E+00	6.13E+00
1328	490808.06	3859740.74	10.75991	3.91E+00	4.40E+00	5.45E+00
1329	490858.06	3859740.74	9.95191	3.62E+00	4.07E+00	5.04E+00
1330	490786.56	3859749.39	11.99373	4.36E+00	4.90E+00	6.07E+00
1331	490836.56	3859749.39	10.68694	3.89E+00	4.37E+00	5.41E+00
1332	490786.56	3859799.39	17.43461	6.34E+00	7.12E+00	8.83E+00
1333	490836.56	3859799.39	14.86959	5.41E+00	6.07E+00	7.53E+00
1334	492307.84	3854508.36	0.61971	2.25E-01	2.53E-01	3.14E-01
1335	486445.7	3854753.6	1.763	6.41E-01	7.20E-01	8.93E-01
1336	472599.75	3877830.11	0.12996	4.72E-02	5.31E-02	6.58E-02
1337	493107.48	3866840.19	0.27132	9.86E-02	1.11E-01	1.37E-01
1338	495815.8	3861662.87	0.81968	2.98E-01	3.35E-01	4.15E-01
1339	480272.33	3841389.2	0.12858	4.67E-02	5.25E-02	6.51E-02
1340	497005.18	3862813.64	0.6748	2.45E-01	2.76E-01	3.42E-01
1341	493677.33	3860302.55	2.30424	8.38E-01	9.41E-01	1.17E+00
1342	493727.33	3860302.55	2.25961	8.21E-01	9.23E-01	1.14E+00
1343	493777.33	3860302.55	2.21686	8.06E-01	9.06E-01	1.12E+00
1344	493827.33	3860302.55	2.17912	7.92E-01	8.90E-01	1.10E+00
1345	493877.33	3860302.55	2.13353	7.76E-01	8.72E-01	1.08E+00
1346	493927.33	3860302.55	2.08288	7.57E-01	8.51E-01	1.06E+00
1347	493977.33	3860302.55	2.04459	7.43E-01	8.35E-01	1.04E+00
1348	494027.33	3860302.55	1.99613	7.26E-01	8.15E-01	1.01E+00
1349	493677.33	3860352.55	2.32034	8.44E-01	9.48E-01	1.18E+00
1350	493727.33	3860352.55	2.26182	8.22E-01	9.24E-01	1.15E+00
1351	493777.33	3860352.55	2.20786	8.03E-01	9.02E-01	1.12E+00
1352	493827.33	3860352.55	2.17268	7.90E-01	8.88E-01	1.10E+00
1353	493877.33	3860352.55	2.14175	7.79E-01	8.75E-01	1.08E+00
1354	493927.33	3860352.55	2.13296	7.75E-01	8.71E-01	1.08E+00
1355	493977.33	3860352.55	2.10901	7.67E-01	8.62E-01	1.07E+00
1356	494027.33	3860352.55	2.06655	7.51E-01	8.44E-01	1.05E+00
1357	493677.33	3860402.55	2.33809	8.50E-01	9.55E-01	1.18E+00
1358	493727.33	3860402.55	2.28325	8.30E-01	9.33E-01	1.16E+00
1359	493777.33	3860402.55	2.24161	8.15E-01	9.16E-01	1.14E+00
1360	493827.33	3860402.55	2.18668	7.95E-01	8.93E-01	1.11E+00
1361	493877.33	3860402.55	2.13986	7.78E-01	8.74E-01	1.08E+00
1362	493927.33	3860402.55	2.1124	7.68E-01	8.63E-01	1.07E+00
1363	493977.33	3860402.55	2.11715	7.70E-01	8.65E-01	1.07E+00
1364	494027.33	3860402.55	2.06943	7.52E-01	8.45E-01	1.05E+00
1365	493677.33	3860452.55	2.36025	8.58E-01	9.64E-01	1.20E+00
1366	493727.33	3860452.55	2.3084	8.39E-01	9.43E-01	1.17E+00
1367	493777.33	3860452.55	2.25974	8.22E-01	9.23E-01	1.14E+00
1368	493827.33	3860452.55	2.21531	8.05E-01	9.05E-01	1.12E+00
1369	493877.33	3860452.55	2.16843	7.88E-01	8.86E-01	1.10E+00
1370	493927.33	3860452.55	2.13106	7.75E-01	8.71E-01	1.08E+00
1371	493977.33	3860452.55	2.08831	7.59E-01	8.53E-01	1.06E+00
1372	494027.33	3860452.55	2.04515	7.44E-01	8.35E-01	1.04E+00
1373	493677.33	3860502.55	2.34912	8.54E-01	9.60E-01	1.19E+00
1374	493727.33	3860502.55	2.2963	8.35E-01	9.38E-01	1.16E+00
1375	493777.33	3860502.55	2.25044	8.18E-01	9.19E-01	1.14E+00
1376	493827.33	3860502.55	2.20936	8.03E-01	9.03E-01	1.12E+00
1377	493877.33	3860502.55	2.16982	7.89E-01	8.86E-01	1.10E+00
1378	493927.33	3860502.55	2.1285	7.74E-01	8.70E-01	1.08E+00
1379	493977.33	3860502.55	2.08686	7.59E-01	8.53E-01	1.06E+00
1380	494027.33	3860502.55	2.04752	7.44E-01	8.36E-01	1.04E+00
1381	493627.33	3860552.55	2.33955	8.51E-01	9.56E-01	1.19E+00
1382	493677.33	3860552.55	2.29404	8.34E-01	9.37E-01	1.16E+00

1383	493727.33	3860552.55	2.24719	8.17E-01	9.18E-01	1.14E+00
1384	493777.33	3860552.55	2.21141	8.04E-01	9.03E-01	1.12E+00
1385	493827.33	3860552.55	2.17342	7.90E-01	8.88E-01	1.10E+00
1386	493877.33	3860552.55	2.13349	7.76E-01	8.72E-01	1.08E+00
1387	493927.33	3860552.55	2.09726	7.62E-01	8.57E-01	1.06E+00
1388	493977.33	3860552.55	2.06383	7.50E-01	8.43E-01	1.05E+00
1389	494027.33	3860552.55	2.02572	7.36E-01	8.28E-01	1.03E+00
1390	493627.33	3860602.55	2.24395	8.16E-01	9.17E-01	1.14E+00
1391	493727.33	3860602.55	2.18511	7.94E-01	8.93E-01	1.11E+00
1392	493777.33	3860602.55	2.16179	7.86E-01	8.83E-01	1.09E+00
1393	493827.33	3860602.55	2.13821	7.77E-01	8.73E-01	1.08E+00
1394	493877.33	3860602.55	2.1092	7.67E-01	8.62E-01	1.07E+00
1395	493927.33	3860602.55	2.07835	7.56E-01	8.49E-01	1.05E+00
1396	493977.33	3860602.55	2.04681	7.44E-01	8.36E-01	1.04E+00
1397	494027.33	3860602.55	2.01764	7.34E-01	8.24E-01	1.02E+00
1398	493627.33	3860652.55	2.15814	7.85E-01	8.82E-01	1.09E+00
1399	493727.33	3860652.55	2.12668	7.73E-01	8.69E-01	1.08E+00
1400	493777.33	3860652.55	2.11095	7.67E-01	8.62E-01	1.07E+00
1401	493827.33	3860652.55	2.08758	7.59E-01	8.53E-01	1.06E+00
1402	493877.33	3860652.55	2.07259	7.54E-01	8.47E-01	1.05E+00
1403	493927.33	3860652.55	2.05633	7.48E-01	8.40E-01	1.04E+00
1404	493977.33	3860652.55	2.03432	7.40E-01	8.31E-01	1.03E+00
1405	494027.33	3860652.55	2.01359	7.32E-01	8.23E-01	1.02E+00
1406	494311.06	3858401.99	0.57441	2.09E-01	2.35E-01	2.91E-01
1407	494361.06	3858401.99	0.57467	2.09E-01	2.35E-01	2.91E-01
1408	494411.06	3858401.99	0.578	2.10E-01	2.36E-01	2.93E-01
1409	494461.06	3858401.99	0.58508	2.13E-01	2.39E-01	2.96E-01
1410	494511.06	3858401.99	0.58338	2.12E-01	2.38E-01	2.95E-01
1411	494561.06	3858401.99	0.58607	2.13E-01	2.39E-01	2.97E-01
1412	494611.06	3858401.99	0.57988	2.11E-01	2.37E-01	2.94E-01
1413	494661.06	3858401.99	0.57359	2.09E-01	2.34E-01	2.91E-01
1414	494711.06	3858401.99	0.55932	2.03E-01	2.28E-01	2.83E-01
1415	494761.06	3858401.99	0.55133	2.00E-01	2.25E-01	2.79E-01
1416	494811.06	3858401.99	0.55082	2.00E-01	2.25E-01	2.79E-01
1417	494861.06	3858401.99	0.55412	2.01E-01	2.26E-01	2.81E-01
1418	494911.06	3858401.99	0.55486	2.02E-01	2.27E-01	2.81E-01
1419	494961.06	3858401.99	0.55209	2.01E-01	2.26E-01	2.80E-01
1420	495011.06	3858401.99	0.54248	1.97E-01	2.22E-01	2.75E-01
1421	495061.06	3858401.99	0.53384	1.94E-01	2.18E-01	2.70E-01
1422	495111.06	3858401.99	0.50975	1.85E-01	2.08E-01	2.58E-01
1423	495161.06	3858401.99	0.50488	1.84E-01	2.06E-01	2.56E-01
1424	495211.06	3858401.99	0.47895	1.74E-01	1.96E-01	2.43E-01
1425	495261.06	3858401.99	0.46148	1.68E-01	1.89E-01	2.34E-01
1426	495311.06	3858401.99	0.44121	1.60E-01	1.80E-01	2.23E-01
1427	495361.06	3858401.99	0.42337	1.54E-01	1.73E-01	2.14E-01
1428	495411.06	3858401.99	0.40794	1.48E-01	1.67E-01	2.07E-01
1429	495461.06	3858401.99	0.39245	1.43E-01	1.60E-01	1.99E-01
1430	495511.06	3858401.99	0.3743	1.36E-01	1.53E-01	1.90E-01
1431	495561.06	3858401.99	0.34892	1.27E-01	1.43E-01	1.77E-01
1432	495611.06	3858401.99	0.32963	1.20E-01	1.35E-01	1.67E-01
1433	495661.06	3858401.99	0.31761	1.15E-01	1.30E-01	1.61E-01
1434	494311.06	3858451.99	0.57229	2.08E-01	2.34E-01	2.90E-01
1435	494361.06	3858451.99	0.57944	2.11E-01	2.37E-01	2.93E-01
1436	494411.06	3858451.99	0.5866	2.13E-01	2.40E-01	2.97E-01
1437	494461.06	3858451.99	0.59321	2.16E-01	2.42E-01	3.00E-01
1438	494511.06	3858451.99	0.6016	2.19E-01	2.46E-01	3.05E-01
1439	494561.06	3858451.99	0.60168	2.19E-01	2.46E-01	3.05E-01
1440	494611.06	3858451.99	0.60267	2.19E-01	2.46E-01	3.05E-01
1441	494661.06	3858451.99	0.60075	2.18E-01	2.45E-01	3.04E-01
1442	494711.06	3858451.99	0.59353	2.16E-01	2.42E-01	3.01E-01
1443	494761.06	3858451.99	0.58378	2.12E-01	2.38E-01	2.96E-01
1444	494811.06	3858451.99	0.57479	2.09E-01	2.35E-01	2.91E-01
1445	494861.06	3858451.99	0.56211	2.04E-01	2.30E-01	2.85E-01

1446	494911.06	3858451.99	0.55799	2.03E-01	2.28E-01	2.83E-01
1447	494961.06	3858451.99	0.55809	2.03E-01	2.28E-01	2.83E-01
1448	495011.06	3858451.99	0.55339	2.01E-01	2.26E-01	2.80E-01
1449	495061.06	3858451.99	0.55527	2.02E-01	2.27E-01	2.81E-01
1450	495111.06	3858451.99	0.5451	1.98E-01	2.23E-01	2.76E-01
1451	495161.06	3858451.99	0.52951	1.93E-01	2.16E-01	2.68E-01
1452	495211.06	3858451.99	0.51301	1.87E-01	2.10E-01	2.60E-01
1453	495261.06	3858451.99	0.50049	1.82E-01	2.04E-01	2.54E-01
1454	495311.06	3858451.99	0.48768	1.77E-01	1.99E-01	2.47E-01
1455	495361.06	3858451.99	0.47423	1.72E-01	1.94E-01	2.40E-01
1456	495411.06	3858451.99	0.46314	1.68E-01	1.89E-01	2.35E-01
1457	495461.06	3858451.99	0.45094	1.64E-01	1.84E-01	2.28E-01
1458	495511.06	3858451.99	0.43004	1.56E-01	1.76E-01	2.18E-01
1459	495561.06	3858451.99	0.41816	1.52E-01	1.71E-01	2.12E-01
1460	495611.06	3858451.99	0.39256	1.43E-01	1.60E-01	1.99E-01
1461	495661.06	3858451.99	0.37561	1.37E-01	1.53E-01	1.90E-01
1462	494311.06	3858501.99	0.55015	2.00E-01	2.25E-01	2.79E-01
1463	494361.06	3858501.99	0.56376	2.05E-01	2.30E-01	2.86E-01
1464	494411.06	3858501.99	0.57491	2.09E-01	2.35E-01	2.91E-01
1465	494461.06	3858501.99	0.58778	2.14E-01	2.40E-01	2.98E-01
1466	494511.06	3858501.99	0.59269	2.15E-01	2.42E-01	3.00E-01
1467	494561.06	3858501.99	0.60889	2.21E-01	2.49E-01	3.08E-01
1468	494611.06	3858501.99	0.61192	2.22E-01	2.50E-01	3.10E-01
1469	494661.06	3858501.99	0.61673	2.24E-01	2.52E-01	3.12E-01
1470	494711.06	3858501.99	0.61381	2.23E-01	2.51E-01	3.11E-01
1471	494761.06	3858501.99	0.60671	2.21E-01	2.48E-01	3.07E-01
1472	494811.06	3858501.99	0.59838	2.18E-01	2.44E-01	3.03E-01
1473	494861.06	3858501.99	0.59234	2.15E-01	2.42E-01	3.00E-01
1474	494911.06	3858501.99	0.57361	2.09E-01	2.34E-01	2.91E-01
1475	494961.06	3858501.99	0.56322	2.05E-01	2.30E-01	2.85E-01
1476	495011.06	3858501.99	0.55649	2.02E-01	2.27E-01	2.82E-01
1477	495061.06	3858501.99	0.56348	2.05E-01	2.30E-01	2.85E-01
1478	495111.06	3858501.99	0.55161	2.01E-01	2.25E-01	2.79E-01
1479	495161.06	3858501.99	0.54549	1.98E-01	2.23E-01	2.76E-01
1480	495211.06	3858501.99	0.53671	1.95E-01	2.19E-01	2.72E-01
1481	495261.06	3858501.99	0.52992	1.93E-01	2.16E-01	2.68E-01
1482	495311.06	3858501.99	0.52532	1.91E-01	2.15E-01	2.66E-01
1483	495361.06	3858501.99	0.51854	1.89E-01	2.12E-01	2.63E-01
1484	495411.06	3858501.99	0.51137	1.86E-01	2.09E-01	2.59E-01
1485	495461.06	3858501.99	0.50185	1.82E-01	2.05E-01	2.54E-01
1486	495511.06	3858501.99	0.48783	1.77E-01	1.99E-01	2.47E-01
1487	495561.06	3858501.99	0.47849	1.74E-01	1.95E-01	2.42E-01
1488	495611.06	3858501.99	0.45618	1.66E-01	1.86E-01	2.31E-01
1489	495661.06	3858501.99	0.44159	1.61E-01	1.80E-01	2.24E-01
1490	494311.06	3858551.99	0.50943	1.85E-01	2.08E-01	2.58E-01
1491	494361.06	3858551.99	0.53449	1.94E-01	2.18E-01	2.71E-01
1492	494411.06	3858551.99	0.56178	2.04E-01	2.29E-01	2.85E-01
1493	494461.06	3858551.99	0.58	2.11E-01	2.37E-01	2.94E-01
1494	494511.06	3858551.99	0.59327	2.16E-01	2.42E-01	3.00E-01
1495	494561.06	3858551.99	0.60625	2.20E-01	2.48E-01	3.07E-01
1496	494611.06	3858551.99	0.61513	2.24E-01	2.51E-01	3.12E-01
1497	494661.06	3858551.99	0.62317	2.27E-01	2.55E-01	3.16E-01
1498	494711.06	3858551.99	0.6232	2.27E-01	2.55E-01	3.16E-01
1499	494761.06	3858551.99	0.62109	2.26E-01	2.54E-01	3.15E-01
1500	494811.06	3858551.99	0.61985	2.25E-01	2.53E-01	3.14E-01
1501	494861.06	3858551.99	0.61301	2.23E-01	2.50E-01	3.10E-01
1502	494911.06	3858551.99	0.60149	2.19E-01	2.46E-01	3.05E-01
1503	494961.06	3858551.99	0.5913	2.15E-01	2.42E-01	3.00E-01
1504	495011.06	3858551.99	0.5745	2.09E-01	2.35E-01	2.91E-01
1505	495061.06	3858551.99	0.56315	2.05E-01	2.30E-01	2.85E-01
1506	495111.06	3858551.99	0.55232	2.01E-01	2.26E-01	2.80E-01
1507	495161.06	3858551.99	0.55161	2.01E-01	2.25E-01	2.79E-01
1508	495211.06	3858551.99	0.55	2.00E-01	2.25E-01	2.79E-01

1509	495261.06	3858551.99	0.54997	2.00E-01	2.25E-01	2.79E-01
1510	495311.06	3858551.99	0.55236	2.01E-01	2.26E-01	2.80E-01
1511	495361.06	3858551.99	0.551	2.00E-01	2.25E-01	2.79E-01
1512	495411.06	3858551.99	0.55032	2.00E-01	2.25E-01	2.79E-01
1513	495461.06	3858551.99	0.54475	1.98E-01	2.23E-01	2.76E-01
1514	495511.06	3858551.99	0.53912	1.96E-01	2.20E-01	2.73E-01
1515	495561.06	3858551.99	0.52836	1.92E-01	2.16E-01	2.68E-01
1516	495611.06	3858551.99	0.51394	1.87E-01	2.10E-01	2.60E-01
1517	495661.06	3858551.99	0.49658	1.81E-01	2.03E-01	2.52E-01
1518	494311.06	3858601.99	0.50776	1.85E-01	2.07E-01	2.57E-01
1519	494361.06	3858601.99	0.52515	1.91E-01	2.15E-01	2.66E-01
1520	494411.06	3858601.99	0.55491	2.02E-01	2.27E-01	2.81E-01
1521	494461.06	3858601.99	0.5668	2.06E-01	2.32E-01	2.87E-01
1522	494511.06	3858601.99	0.57825	2.10E-01	2.36E-01	2.93E-01
1523	494561.06	3858601.99	0.59933	2.18E-01	2.45E-01	3.04E-01
1524	494611.06	3858601.99	0.60872	2.21E-01	2.49E-01	3.08E-01
1525	494661.06	3858601.99	0.6192	2.25E-01	2.53E-01	3.14E-01
1526	494711.06	3858601.99	0.62403	2.27E-01	2.55E-01	3.16E-01
1527	494761.06	3858601.99	0.62687	2.28E-01	2.56E-01	3.18E-01
1528	494811.06	3858601.99	0.62146	2.26E-01	2.54E-01	3.15E-01
1529	494861.06	3858601.99	0.62236	2.26E-01	2.54E-01	3.15E-01
1530	494911.06	3858601.99	0.61315	2.23E-01	2.50E-01	3.11E-01
1531	494961.06	3858601.99	0.60704	2.21E-01	2.48E-01	3.07E-01
1532	495011.06	3858601.99	0.59796	2.17E-01	2.44E-01	3.03E-01
1533	495061.06	3858601.99	0.58585	2.13E-01	2.39E-01	2.97E-01
1534	495111.06	3858601.99	0.56346	2.05E-01	2.30E-01	2.85E-01
1535	495161.06	3858601.99	0.5503	2.00E-01	2.25E-01	2.79E-01
1536	495211.06	3858601.99	0.55542	2.02E-01	2.27E-01	2.81E-01
1537	495261.06	3858601.99	0.56001	2.04E-01	2.29E-01	2.84E-01
1538	495311.06	3858601.99	0.56488	2.05E-01	2.31E-01	2.86E-01
1539	495361.06	3858601.99	0.57052	2.07E-01	2.33E-01	2.89E-01
1540	495411.06	3858601.99	0.57355	2.09E-01	2.34E-01	2.91E-01
1541	495461.06	3858601.99	0.57481	2.09E-01	2.35E-01	2.91E-01
1542	495511.06	3858601.99	0.56873	2.07E-01	2.32E-01	2.88E-01
1543	495561.06	3858601.99	0.56656	2.06E-01	2.31E-01	2.87E-01
1544	495611.06	3858601.99	0.55361	2.01E-01	2.26E-01	2.80E-01
1545	495661.06	3858601.99	0.54491	1.98E-01	2.23E-01	2.76E-01
1546	494311.06	3858651.99	0.522	1.90E-01	2.13E-01	2.64E-01
1547	494361.06	3858651.99	0.54237	1.97E-01	2.22E-01	2.75E-01
1548	494411.06	3858651.99	0.56743	2.06E-01	2.32E-01	2.87E-01
1549	494461.06	3858651.99	0.57664	2.10E-01	2.36E-01	2.92E-01
1550	494511.06	3858651.99	0.57266	2.08E-01	2.34E-01	2.90E-01
1551	494561.06	3858651.99	0.58101	2.11E-01	2.37E-01	2.94E-01
1552	494611.06	3858651.99	0.59642	2.17E-01	2.44E-01	3.02E-01
1553	494661.06	3858651.99	0.60765	2.21E-01	2.48E-01	3.08E-01
1554	494711.06	3858651.99	0.61421	2.23E-01	2.51E-01	3.11E-01
1555	494761.06	3858651.99	0.62168	2.26E-01	2.54E-01	3.15E-01
1556	494811.06	3858651.99	0.6225	2.26E-01	2.54E-01	3.15E-01
1557	494861.06	3858651.99	0.62228	2.26E-01	2.54E-01	3.15E-01
1558	494911.06	3858651.99	0.61807	2.25E-01	2.52E-01	3.13E-01
1559	494961.06	3858651.99	0.61303	2.23E-01	2.50E-01	3.11E-01
1560	495011.06	3858651.99	0.60927	2.22E-01	2.49E-01	3.09E-01
1561	495061.06	3858651.99	0.6014	2.19E-01	2.46E-01	3.05E-01
1562	495111.06	3858651.99	0.58838	2.14E-01	2.40E-01	2.98E-01
1563	495161.06	3858651.99	0.57988	2.11E-01	2.37E-01	2.94E-01
1564	495211.06	3858651.99	0.567	2.06E-01	2.32E-01	2.87E-01
1565	495261.06	3858651.99	0.56272	2.05E-01	2.30E-01	2.85E-01
1566	495311.06	3858651.99	0.56999	2.07E-01	2.33E-01	2.89E-01
1567	495361.06	3858651.99	0.58018	2.11E-01	2.37E-01	2.94E-01
1568	495411.06	3858651.99	0.58959	2.14E-01	2.41E-01	2.99E-01
1569	495461.06	3858651.99	0.59851	2.18E-01	2.44E-01	3.03E-01
1570	495511.06	3858651.99	0.59674	2.17E-01	2.44E-01	3.02E-01
1571	495561.06	3858651.99	0.59463	2.16E-01	2.43E-01	3.01E-01

1572	495611.06	3858651.99	0.58582	2.13E-01	2.39E-01	2.97E-01
1573	495661.06	3858651.99	0.58173	2.11E-01	2.38E-01	2.95E-01
1574	494311.06	3858701.99	0.5426	1.97E-01	2.22E-01	2.75E-01
1575	494361.06	3858701.99	0.57346	2.08E-01	2.34E-01	2.90E-01
1576	494411.06	3858701.99	0.58922	2.14E-01	2.41E-01	2.98E-01
1577	494461.06	3858701.99	0.58701	2.13E-01	2.40E-01	2.97E-01
1578	494511.06	3858701.99	0.59293	2.16E-01	2.42E-01	3.00E-01
1579	494561.06	3858701.99	0.59036	2.15E-01	2.41E-01	2.99E-01
1580	494611.06	3858701.99	0.57736	2.10E-01	2.36E-01	2.92E-01
1581	494661.06	3858701.99	0.58655	2.13E-01	2.40E-01	2.97E-01
1582	494711.06	3858701.99	0.57787	2.10E-01	2.36E-01	2.93E-01
1583	494761.06	3858701.99	0.60263	2.19E-01	2.46E-01	3.05E-01
1584	494811.06	3858701.99	0.60663	2.21E-01	2.48E-01	3.07E-01
1585	494861.06	3858701.99	0.61161	2.22E-01	2.50E-01	3.10E-01
1586	494911.06	3858701.99	0.6163	2.24E-01	2.52E-01	3.12E-01
1587	494961.06	3858701.99	0.608	2.21E-01	2.48E-01	3.08E-01
1588	495011.06	3858701.99	0.60543	2.20E-01	2.47E-01	3.07E-01
1589	495061.06	3858701.99	0.609	2.21E-01	2.49E-01	3.08E-01
1590	495111.06	3858701.99	0.59938	2.18E-01	2.45E-01	3.04E-01
1591	495161.06	3858701.99	0.5968	2.17E-01	2.44E-01	3.02E-01
1592	495211.06	3858701.99	0.58861	2.14E-01	2.40E-01	2.98E-01
1593	495261.06	3858701.99	0.58851	2.14E-01	2.40E-01	2.98E-01
1594	495311.06	3858701.99	0.58678	2.13E-01	2.40E-01	2.97E-01
1595	495361.06	3858701.99	0.58093	2.11E-01	2.37E-01	2.94E-01
1596	495411.06	3858701.99	0.59469	2.16E-01	2.43E-01	3.01E-01
1597	495461.06	3858701.99	0.60494	2.20E-01	2.47E-01	3.06E-01
1598	495511.06	3858701.99	0.6105	2.22E-01	2.49E-01	3.09E-01
1599	495561.06	3858701.99	0.61195	2.22E-01	2.50E-01	3.10E-01
1600	495611.06	3858701.99	0.61046	2.22E-01	2.49E-01	3.09E-01
1601	495661.06	3858701.99	0.6095	2.22E-01	2.49E-01	3.09E-01
1602	494311.06	3858751.99	0.55585	2.02E-01	2.27E-01	2.82E-01
1603	494361.06	3858751.99	0.5945	2.16E-01	2.43E-01	3.01E-01
1604	494411.06	3858751.99	0.60868	2.21E-01	2.49E-01	3.08E-01
1605	494461.06	3858751.99	0.60879	2.21E-01	2.49E-01	3.08E-01
1606	494511.06	3858751.99	0.61334	2.23E-01	2.51E-01	3.11E-01
1607	494561.06	3858751.99	0.60366	2.19E-01	2.47E-01	3.06E-01
1608	494611.06	3858751.99	0.59691	2.17E-01	2.44E-01	3.02E-01
1609	494661.06	3858751.99	0.59049	2.15E-01	2.41E-01	2.99E-01
1610	494711.06	3858751.99	0.57473	2.09E-01	2.35E-01	2.91E-01
1611	494761.06	3858751.99	0.58199	2.12E-01	2.38E-01	2.95E-01
1612	494811.06	3858751.99	0.5876	2.14E-01	2.40E-01	2.98E-01
1613	494861.06	3858751.99	0.59336	2.16E-01	2.42E-01	3.01E-01
1614	494911.06	3858751.99	0.59583	2.17E-01	2.43E-01	3.02E-01
1615	494961.06	3858751.99	0.60082	2.18E-01	2.45E-01	3.04E-01
1616	495011.06	3858751.99	0.60772	2.21E-01	2.48E-01	3.08E-01
1617	495061.06	3858751.99	0.6086	2.21E-01	2.49E-01	3.08E-01
1618	495111.06	3858751.99	0.60499	2.20E-01	2.47E-01	3.06E-01
1619	495161.06	3858751.99	0.60595	2.20E-01	2.48E-01	3.07E-01
1620	495211.06	3858751.99	0.60217	2.19E-01	2.46E-01	3.05E-01
1621	495261.06	3858751.99	0.60513	2.20E-01	2.47E-01	3.07E-01
1622	495311.06	3858751.99	0.60727	2.21E-01	2.48E-01	3.08E-01
1623	495361.06	3858751.99	0.60551	2.20E-01	2.47E-01	3.07E-01
1624	495411.06	3858751.99	0.60673	2.21E-01	2.48E-01	3.07E-01
1625	495461.06	3858751.99	0.60224	2.19E-01	2.46E-01	3.05E-01
1626	495511.06	3858751.99	0.61127	2.22E-01	2.50E-01	3.10E-01
1627	495561.06	3858751.99	0.61832	2.25E-01	2.53E-01	3.13E-01
1628	495611.06	3858751.99	0.62285	2.26E-01	2.54E-01	3.15E-01
1629	495661.06	3858751.99	0.62619	2.28E-01	2.56E-01	3.17E-01
1630	494311.06	3858801.99	0.56914	2.07E-01	2.32E-01	2.88E-01
1631	494361.06	3858801.99	0.60813	2.21E-01	2.48E-01	3.08E-01
1632	494411.06	3858801.99	0.61665	2.24E-01	2.52E-01	3.12E-01
1633	494461.06	3858801.99	0.62268	2.26E-01	2.54E-01	3.15E-01
1634	494511.06	3858801.99	0.6312	2.29E-01	2.58E-01	3.20E-01

1635	494561.06	3858801.99	0.62905	2.29E-01	2.57E-01	3.19E-01
1636	494611.06	3858801.99	0.62322	2.27E-01	2.55E-01	3.16E-01
1637	494661.06	3858801.99	0.61454	2.23E-01	2.51E-01	3.11E-01
1638	494711.06	3858801.99	0.60405	2.20E-01	2.47E-01	3.06E-01
1639	494761.06	3858801.99	0.58969	2.14E-01	2.41E-01	2.99E-01
1640	494811.06	3858801.99	0.57307	2.08E-01	2.34E-01	2.90E-01
1641	494861.06	3858801.99	0.57232	2.08E-01	2.34E-01	2.90E-01
1642	494911.06	3858801.99	0.57827	2.10E-01	2.36E-01	2.93E-01
1643	494961.06	3858801.99	0.58639	2.13E-01	2.40E-01	2.97E-01
1644	495011.06	3858801.99	0.59233	2.15E-01	2.42E-01	3.00E-01
1645	495061.06	3858801.99	0.60091	2.18E-01	2.45E-01	3.04E-01
1646	495111.06	3858801.99	0.59986	2.18E-01	2.45E-01	3.04E-01
1647	495161.06	3858801.99	0.60107	2.19E-01	2.46E-01	3.04E-01
1648	495211.06	3858801.99	0.60613	2.20E-01	2.48E-01	3.07E-01
1649	495261.06	3858801.99	0.61309	2.23E-01	2.50E-01	3.11E-01
1650	495311.06	3858801.99	0.61957	2.25E-01	2.53E-01	3.14E-01
1651	495361.06	3858801.99	0.62214	2.26E-01	2.54E-01	3.15E-01
1652	495411.06	3858801.99	0.62875	2.29E-01	2.57E-01	3.18E-01
1653	495461.06	3858801.99	0.62711	2.28E-01	2.56E-01	3.18E-01
1654	495511.06	3858801.99	0.62135	2.26E-01	2.54E-01	3.15E-01
1655	495561.06	3858801.99	0.61504	2.24E-01	2.51E-01	3.12E-01
1656	495611.06	3858801.99	0.62168	2.26E-01	2.54E-01	3.15E-01
1657	495661.06	3858801.99	0.6315	2.30E-01	2.58E-01	3.20E-01
1658	494311.06	3858851.99	0.62748	2.28E-01	2.56E-01	3.18E-01
1659	494361.06	3858851.99	0.64579	2.35E-01	2.64E-01	3.27E-01
1660	494411.06	3858851.99	0.64059	2.33E-01	2.62E-01	3.24E-01
1661	494461.06	3858851.99	0.63826	2.32E-01	2.61E-01	3.23E-01
1662	494511.06	3858851.99	0.64094	2.33E-01	2.62E-01	3.25E-01
1663	494561.06	3858851.99	0.64121	2.33E-01	2.62E-01	3.25E-01
1664	494611.06	3858851.99	0.63759	2.32E-01	2.60E-01	3.23E-01
1665	494661.06	3858851.99	0.63075	2.29E-01	2.58E-01	3.19E-01
1666	494711.06	3858851.99	0.61891	2.25E-01	2.53E-01	3.13E-01
1667	494761.06	3858851.99	0.60528	2.20E-01	2.47E-01	3.07E-01
1668	494811.06	3858851.99	0.59139	2.15E-01	2.42E-01	3.00E-01
1669	494861.06	3858851.99	0.58325	2.12E-01	2.38E-01	2.95E-01
1670	494911.06	3858851.99	0.57145	2.08E-01	2.33E-01	2.89E-01
1671	494961.06	3858851.99	0.56803	2.07E-01	2.32E-01	2.88E-01
1672	495011.06	3858851.99	0.57879	2.10E-01	2.36E-01	2.93E-01
1673	495061.06	3858851.99	0.58658	2.13E-01	2.40E-01	2.97E-01
1674	495111.06	3858851.99	0.58381	2.12E-01	2.38E-01	2.96E-01
1675	495161.06	3858851.99	0.58872	2.14E-01	2.40E-01	2.98E-01
1676	495211.06	3858851.99	0.6037	2.19E-01	2.47E-01	3.06E-01
1677	495261.06	3858851.99	0.61368	2.23E-01	2.51E-01	3.11E-01
1678	495311.06	3858851.99	0.62436	2.27E-01	2.55E-01	3.16E-01
1679	495361.06	3858851.99	0.63175	2.30E-01	2.58E-01	3.20E-01
1680	495411.06	3858851.99	0.6374	2.32E-01	2.60E-01	3.23E-01
1681	495461.06	3858851.99	0.64192	2.33E-01	2.62E-01	3.25E-01
1682	495511.06	3858851.99	0.64169	2.33E-01	2.62E-01	3.25E-01
1683	495561.06	3858851.99	0.63432	2.31E-01	2.59E-01	3.21E-01
1684	495611.06	3858851.99	0.62651	2.28E-01	2.56E-01	3.17E-01
1685	495661.06	3858851.99	0.62367	2.27E-01	2.55E-01	3.16E-01
1686	494311.06	3858901.99	0.6588	2.40E-01	2.69E-01	3.34E-01
1687	494361.06	3858901.99	0.66894	2.43E-01	2.73E-01	3.39E-01
1688	494411.06	3858901.99	0.6654	2.42E-01	2.72E-01	3.37E-01
1689	494461.06	3858901.99	0.66365	2.41E-01	2.71E-01	3.36E-01
1690	494511.06	3858901.99	0.65852	2.39E-01	2.69E-01	3.34E-01
1691	494561.06	3858901.99	0.64874	2.36E-01	2.65E-01	3.29E-01
1692	494611.06	3858901.99	0.64419	2.34E-01	2.63E-01	3.26E-01
1693	494661.06	3858901.99	0.64194	2.33E-01	2.62E-01	3.25E-01
1694	494711.06	3858901.99	0.63441	2.31E-01	2.59E-01	3.21E-01
1695	494761.06	3858901.99	0.62317	2.27E-01	2.55E-01	3.16E-01
1696	494811.06	3858901.99	0.61443	2.23E-01	2.51E-01	3.11E-01
1697	494861.06	3858901.99	0.60548	2.20E-01	2.47E-01	3.07E-01

1698	494911.06	3858901.99	0.58838	2.14E-01	2.40E-01	2.98E-01
1699	494961.06	3858901.99	0.57631	2.10E-01	2.35E-01	2.92E-01
1700	495011.06	3858901.99	0.56762	2.06E-01	2.32E-01	2.88E-01
1701	495061.06	3858901.99	0.56134	2.04E-01	2.29E-01	2.84E-01
1702	495111.06	3858901.99	0.5612	2.04E-01	2.29E-01	2.84E-01
1703	495161.06	3858901.99	0.5732	2.08E-01	2.34E-01	2.90E-01
1704	495211.06	3858901.99	0.59367	2.16E-01	2.43E-01	3.01E-01
1705	495261.06	3858901.99	0.60787	2.21E-01	2.48E-01	3.08E-01
1706	495311.06	3858901.99	0.61907	2.25E-01	2.53E-01	3.14E-01
1707	495361.06	3858901.99	0.62933	2.29E-01	2.57E-01	3.19E-01
1708	495411.06	3858901.99	0.64075	2.33E-01	2.62E-01	3.25E-01
1709	495461.06	3858901.99	0.64609	2.35E-01	2.64E-01	3.27E-01
1710	495511.06	3858901.99	0.6471	2.35E-01	2.64E-01	3.28E-01
1711	495561.06	3858901.99	0.64761	2.35E-01	2.65E-01	3.28E-01
1712	495611.06	3858901.99	0.64398	2.34E-01	2.63E-01	3.26E-01
1713	495661.06	3858901.99	0.64553	2.35E-01	2.64E-01	3.27E-01
1714	494311.06	3858951.99	0.69496	2.53E-01	2.84E-01	3.52E-01
1715	494361.06	3858951.99	0.69434	2.52E-01	2.84E-01	3.52E-01
1716	494411.06	3858951.99	0.68549	2.49E-01	2.80E-01	3.47E-01
1717	494461.06	3858951.99	0.68343	2.48E-01	2.79E-01	3.46E-01
1718	494511.06	3858951.99	0.67571	2.46E-01	2.76E-01	3.42E-01
1719	494561.06	3858951.99	0.66564	2.42E-01	2.72E-01	3.37E-01
1720	494611.06	3858951.99	0.65278	2.37E-01	2.67E-01	3.31E-01
1721	494661.06	3858951.99	0.64771	2.35E-01	2.65E-01	3.28E-01
1722	494711.06	3858951.99	0.6416	2.33E-01	2.62E-01	3.25E-01
1723	494761.06	3858951.99	0.63636	2.31E-01	2.60E-01	3.22E-01
1724	494811.06	3858951.99	0.63168	2.30E-01	2.58E-01	3.20E-01
1725	494861.06	3858951.99	0.62522	2.27E-01	2.55E-01	3.17E-01
1726	494911.06	3858951.99	0.6143	2.23E-01	2.51E-01	3.11E-01
1727	494961.06	3858951.99	0.60572	2.20E-01	2.47E-01	3.07E-01
1728	495011.06	3858951.99	0.58592	2.13E-01	2.39E-01	2.97E-01
1729	495061.06	3858951.99	0.56472	2.05E-01	2.31E-01	2.86E-01
1730	495111.06	3858951.99	0.54511	1.98E-01	2.23E-01	2.76E-01
1731	495161.06	3858951.99	0.56056	2.04E-01	2.29E-01	2.84E-01
1732	495211.06	3858951.99	0.57827	2.10E-01	2.36E-01	2.93E-01
1733	495261.06	3858951.99	0.5948	2.16E-01	2.43E-01	3.01E-01
1734	495311.06	3858951.99	0.60428	2.20E-01	2.47E-01	3.06E-01
1735	495361.06	3858951.99	0.61926	2.25E-01	2.53E-01	3.14E-01
1736	495411.06	3858951.99	0.634	2.30E-01	2.59E-01	3.21E-01
1737	495461.06	3858951.99	0.64346	2.34E-01	2.63E-01	3.26E-01
1738	495511.06	3858951.99	0.65355	2.38E-01	2.67E-01	3.31E-01
1739	495561.06	3858951.99	0.65236	2.37E-01	2.66E-01	3.30E-01
1740	495611.06	3858951.99	0.6536	2.38E-01	2.67E-01	3.31E-01
1741	495661.06	3858951.99	0.6589	2.40E-01	2.69E-01	3.34E-01
1742	494311.06	3859001.99	0.71851	2.61E-01	2.94E-01	3.64E-01
1743	494361.06	3859001.99	0.71284	2.59E-01	2.91E-01	3.61E-01
1744	494411.06	3859001.99	0.70855	2.58E-01	2.89E-01	3.59E-01
1745	494461.06	3859001.99	0.70111	2.55E-01	2.86E-01	3.55E-01
1746	494511.06	3859001.99	0.69351	2.52E-01	2.83E-01	3.51E-01
1747	494561.06	3859001.99	0.68142	2.48E-01	2.78E-01	3.45E-01
1748	494611.06	3859001.99	0.66963	2.43E-01	2.74E-01	3.39E-01
1749	494661.06	3859001.99	0.65596	2.38E-01	2.68E-01	3.32E-01
1750	494711.06	3859001.99	0.64486	2.34E-01	2.63E-01	3.27E-01
1751	494761.06	3859001.99	0.64387	2.34E-01	2.63E-01	3.26E-01
1752	494811.06	3859001.99	0.64373	2.34E-01	2.63E-01	3.26E-01
1753	494861.06	3859001.99	0.63888	2.32E-01	2.61E-01	3.24E-01
1754	494911.06	3859001.99	0.63176	2.30E-01	2.58E-01	3.20E-01
1755	494961.06	3859001.99	0.62267	2.26E-01	2.54E-01	3.15E-01
1756	495011.06	3859001.99	0.59733	2.17E-01	2.44E-01	3.03E-01
1757	495061.06	3859001.99	0.58826	2.14E-01	2.40E-01	2.98E-01
1758	495111.06	3859001.99	0.57205	2.08E-01	2.34E-01	2.90E-01
1759	495161.06	3859001.99	0.5731	2.08E-01	2.34E-01	2.90E-01
1760	495211.06	3859001.99	0.57097	2.08E-01	2.33E-01	2.89E-01

1761	495261.06	3859001.99	0.57506	2.09E-01	2.35E-01	2.91E-01
1762	495311.06	3859001.99	0.59001	2.15E-01	2.41E-01	2.99E-01
1763	495361.06	3859001.99	0.60673	2.21E-01	2.48E-01	3.07E-01
1764	495411.06	3859001.99	0.62095	2.26E-01	2.54E-01	3.15E-01
1765	495461.06	3859001.99	0.63456	2.31E-01	2.59E-01	3.21E-01
1766	495511.06	3859001.99	0.64081	2.33E-01	2.62E-01	3.25E-01
1767	495561.06	3859001.99	0.64867	2.36E-01	2.65E-01	3.29E-01
1768	495611.06	3859001.99	0.65437	2.38E-01	2.67E-01	3.31E-01
1769	495661.06	3859001.99	0.66627	2.42E-01	2.72E-01	3.37E-01
1770	494311.06	3859051.99	0.73295	2.66E-01	2.99E-01	3.71E-01
1771	494361.06	3859051.99	0.73033	2.66E-01	2.98E-01	3.70E-01
1772	494411.06	3859051.99	0.72312	2.63E-01	2.95E-01	3.66E-01
1773	494461.06	3859051.99	0.71493	2.60E-01	2.92E-01	3.62E-01
1774	494511.06	3859051.99	0.70524	2.56E-01	2.88E-01	3.57E-01
1775	494561.06	3859051.99	0.69585	2.53E-01	2.84E-01	3.52E-01
1776	494611.06	3859051.99	0.68443	2.49E-01	2.80E-01	3.47E-01
1777	494661.06	3859051.99	0.67199	2.44E-01	2.75E-01	3.40E-01
1778	494711.06	3859051.99	0.65981	2.40E-01	2.70E-01	3.34E-01
1779	494761.06	3859051.99	0.64763	2.35E-01	2.65E-01	3.28E-01
1780	494811.06	3859051.99	0.64828	2.36E-01	2.65E-01	3.28E-01
1781	494861.06	3859051.99	0.64732	2.35E-01	2.64E-01	3.28E-01
1782	494911.06	3859051.99	0.64157	2.33E-01	2.62E-01	3.25E-01
1783	494961.06	3859051.99	0.62939	2.29E-01	2.57E-01	3.19E-01
1784	495011.06	3859051.99	0.61875	2.25E-01	2.53E-01	3.13E-01
1785	495061.06	3859051.99	0.60975	2.22E-01	2.49E-01	3.09E-01
1786	495111.06	3859051.99	0.60254	2.19E-01	2.46E-01	3.05E-01
1787	495161.06	3859051.99	0.60126	2.19E-01	2.46E-01	3.05E-01
1788	495211.06	3859051.99	0.59012	2.15E-01	2.41E-01	2.99E-01
1789	495261.06	3859051.99	0.59041	2.15E-01	2.41E-01	2.99E-01
1790	495311.06	3859051.99	0.58661	2.13E-01	2.40E-01	2.97E-01
1791	495361.06	3859051.99	0.58624	2.13E-01	2.39E-01	2.97E-01
1792	495411.06	3859051.99	0.60409	2.20E-01	2.47E-01	3.06E-01
1793	495461.06	3859051.99	0.62066	2.26E-01	2.54E-01	3.14E-01
1794	495511.06	3859051.99	0.62947	2.29E-01	2.57E-01	3.19E-01
1795	495561.06	3859051.99	0.63864	2.32E-01	2.61E-01	3.23E-01
1796	495611.06	3859051.99	0.64708	2.35E-01	2.64E-01	3.28E-01
1797	495661.06	3859051.99	0.66077	2.40E-01	2.70E-01	3.35E-01
1798	494311.06	3859101.99	0.75982	2.76E-01	3.10E-01	3.85E-01
1799	494361.06	3859101.99	0.75587	2.75E-01	3.09E-01	3.83E-01
1800	494411.06	3859101.99	0.75123	2.73E-01	3.07E-01	3.81E-01
1801	494461.06	3859101.99	0.7422	2.70E-01	3.03E-01	3.76E-01
1802	494511.06	3859101.99	0.72831	2.65E-01	2.98E-01	3.69E-01
1803	494561.06	3859101.99	0.71463	2.60E-01	2.92E-01	3.62E-01
1804	494611.06	3859101.99	0.69725	2.53E-01	2.85E-01	3.53E-01
1805	494661.06	3859101.99	0.68751	2.50E-01	2.81E-01	3.48E-01
1806	494711.06	3859101.99	0.67305	2.45E-01	2.75E-01	3.41E-01
1807	494761.06	3859101.99	0.66571	2.42E-01	2.72E-01	3.37E-01
1808	494811.06	3859101.99	0.65425	2.38E-01	2.67E-01	3.31E-01
1809	494861.06	3859101.99	0.65156	2.37E-01	2.66E-01	3.30E-01
1810	494911.06	3859101.99	0.64797	2.36E-01	2.65E-01	3.28E-01
1811	494961.06	3859101.99	0.63767	2.32E-01	2.60E-01	3.23E-01
1812	495011.06	3859101.99	0.62449	2.27E-01	2.55E-01	3.16E-01
1813	495061.06	3859101.99	0.626	2.28E-01	2.56E-01	3.17E-01
1814	495111.06	3859101.99	0.62126	2.26E-01	2.54E-01	3.15E-01
1815	495161.06	3859101.99	0.62246	2.26E-01	2.54E-01	3.15E-01
1816	495211.06	3859101.99	0.61494	2.24E-01	2.51E-01	3.11E-01
1817	495261.06	3859101.99	0.61003	2.22E-01	2.49E-01	3.09E-01
1818	495311.06	3859101.99	0.60021	2.18E-01	2.45E-01	3.04E-01
1819	495361.06	3859101.99	0.6048	2.20E-01	2.47E-01	3.06E-01
1820	495411.06	3859101.99	0.60381	2.20E-01	2.47E-01	3.06E-01
1821	495461.06	3859101.99	0.59621	2.17E-01	2.44E-01	3.02E-01
1822	495511.06	3859101.99	0.61115	2.22E-01	2.50E-01	3.10E-01
1823	495561.06	3859101.99	0.62453	2.27E-01	2.55E-01	3.16E-01

1824	495611.06	3859101.99	0.63454	2.31E-01	2.59E-01	3.21E-01
1825	495661.06	3859101.99	0.64806	2.36E-01	2.65E-01	3.28E-01
1826	494311.06	3859151.99	0.78468	2.85E-01	3.21E-01	3.97E-01
1827	494361.06	3859151.99	0.78483	2.85E-01	3.21E-01	3.98E-01
1828	494411.06	3859151.99	0.77993	2.84E-01	3.19E-01	3.95E-01
1829	494461.06	3859151.99	0.77264	2.81E-01	3.16E-01	3.91E-01
1830	494511.06	3859151.99	0.76113	2.77E-01	3.11E-01	3.86E-01
1831	494561.06	3859151.99	0.75185	2.73E-01	3.07E-01	3.81E-01
1832	494611.06	3859151.99	0.73632	2.68E-01	3.01E-01	3.73E-01
1833	494661.06	3859151.99	0.7229	2.63E-01	2.95E-01	3.66E-01
1834	494711.06	3859151.99	0.70891	2.58E-01	2.90E-01	3.59E-01
1835	494761.06	3859151.99	0.68546	2.49E-01	2.80E-01	3.47E-01
1836	494811.06	3859151.99	0.66883	2.43E-01	2.73E-01	3.39E-01
1837	494861.06	3859151.99	0.65928	2.40E-01	2.69E-01	3.34E-01
1838	494911.06	3859151.99	0.64991	2.36E-01	2.65E-01	3.29E-01
1839	494961.06	3859151.99	0.63711	2.32E-01	2.60E-01	3.23E-01
1840	495011.06	3859151.99	0.63311	2.30E-01	2.59E-01	3.21E-01
1841	495061.06	3859151.99	0.63589	2.31E-01	2.60E-01	3.22E-01
1842	495111.06	3859151.99	0.63579	2.31E-01	2.60E-01	3.22E-01
1843	495161.06	3859151.99	0.63969	2.33E-01	2.61E-01	3.24E-01
1844	495211.06	3859151.99	0.63695	2.32E-01	2.60E-01	3.23E-01
1845	495261.06	3859151.99	0.63281	2.30E-01	2.59E-01	3.21E-01
1846	495311.06	3859151.99	0.62776	2.28E-01	2.56E-01	3.18E-01
1847	495361.06	3859151.99	0.6208	2.26E-01	2.54E-01	3.14E-01
1848	495411.06	3859151.99	0.61886	2.25E-01	2.53E-01	3.13E-01
1849	495461.06	3859151.99	0.61769	2.25E-01	2.52E-01	3.13E-01
1850	495511.06	3859151.99	0.61113	2.22E-01	2.50E-01	3.10E-01
1851	495561.06	3859151.99	0.60555	2.20E-01	2.47E-01	3.07E-01
1852	495611.06	3859151.99	0.61738	2.24E-01	2.52E-01	3.13E-01
1853	495661.06	3859151.99	0.63016	2.29E-01	2.57E-01	3.19E-01
1854	494311.06	3859201.99	0.8008	2.91E-01	3.27E-01	4.06E-01
1855	494361.06	3859201.99	0.801	2.91E-01	3.27E-01	4.06E-01
1856	494411.06	3859201.99	0.79946	2.91E-01	3.27E-01	4.05E-01
1857	494461.06	3859201.99	0.79555	2.89E-01	3.25E-01	4.03E-01
1858	494511.06	3859201.99	0.79171	2.88E-01	3.23E-01	4.01E-01
1859	494561.06	3859201.99	0.78118	2.84E-01	3.19E-01	3.96E-01
1860	494611.06	3859201.99	0.77062	2.80E-01	3.15E-01	3.90E-01
1861	494661.06	3859201.99	0.76008	2.76E-01	3.10E-01	3.85E-01
1862	494711.06	3859201.99	0.74775	2.72E-01	3.05E-01	3.79E-01
1863	494761.06	3859201.99	0.72838	2.65E-01	2.98E-01	3.69E-01
1864	494811.06	3859201.99	0.70919	2.58E-01	2.90E-01	3.59E-01
1865	494861.06	3859201.99	0.67989	2.47E-01	2.78E-01	3.44E-01
1866	494911.06	3859201.99	0.65715	2.39E-01	2.68E-01	3.33E-01
1867	494961.06	3859201.99	0.64151	2.33E-01	2.62E-01	3.25E-01
1868	495011.06	3859201.99	0.6306	2.29E-01	2.58E-01	3.19E-01
1869	495061.06	3859201.99	0.64456	2.34E-01	2.63E-01	3.26E-01
1870	495111.06	3859201.99	0.64934	2.36E-01	2.65E-01	3.29E-01
1871	495161.06	3859201.99	0.65177	2.37E-01	2.66E-01	3.30E-01
1872	495211.06	3859201.99	0.65027	2.36E-01	2.66E-01	3.29E-01
1873	495261.06	3859201.99	0.65078	2.37E-01	2.66E-01	3.30E-01
1874	495311.06	3859201.99	0.64853	2.36E-01	2.65E-01	3.28E-01
1875	495361.06	3859201.99	0.64532	2.35E-01	2.64E-01	3.27E-01
1876	495411.06	3859201.99	0.64275	2.34E-01	2.63E-01	3.26E-01
1877	495461.06	3859201.99	0.63503	2.31E-01	2.59E-01	3.22E-01
1878	495511.06	3859201.99	0.62602	2.28E-01	2.56E-01	3.17E-01
1879	495561.06	3859201.99	0.61799	2.25E-01	2.52E-01	3.13E-01
1880	495611.06	3859201.99	0.61294	2.23E-01	2.50E-01	3.10E-01
1881	495661.06	3859201.99	0.60862	2.21E-01	2.49E-01	3.08E-01
1882	494311.06	3859251.99	0.81788	2.97E-01	3.34E-01	4.14E-01
1883	494361.06	3859251.99	0.8162	2.97E-01	3.33E-01	4.13E-01
1884	494411.06	3859251.99	0.81231	2.95E-01	3.32E-01	4.11E-01
1885	494461.06	3859251.99	0.81083	2.95E-01	3.31E-01	4.11E-01
1886	494511.06	3859251.99	0.80565	2.93E-01	3.29E-01	4.08E-01

1887	494561.06	3859251.99	0.80251	2.92E-01	3.28E-01	4.06E-01
1888	494611.06	3859251.99	0.79522	2.89E-01	3.25E-01	4.03E-01
1889	494661.06	3859251.99	0.78904	2.87E-01	3.22E-01	4.00E-01
1890	494711.06	3859251.99	0.77938	2.83E-01	3.18E-01	3.95E-01
1891	494761.06	3859251.99	0.74922	2.72E-01	3.06E-01	3.79E-01
1892	494811.06	3859251.99	0.74772	2.72E-01	3.05E-01	3.79E-01
1893	494861.06	3859251.99	0.71207	2.59E-01	2.91E-01	3.61E-01
1894	494911.06	3859251.99	0.69497	2.53E-01	2.84E-01	3.52E-01
1895	494961.06	3859251.99	0.67544	2.46E-01	2.76E-01	3.42E-01
1896	495011.06	3859251.99	0.65221	2.37E-01	2.66E-01	3.30E-01
1897	495061.06	3859251.99	0.65325	2.37E-01	2.67E-01	3.31E-01
1898	495111.06	3859251.99	0.65736	2.39E-01	2.69E-01	3.33E-01
1899	495161.06	3859251.99	0.66181	2.41E-01	2.70E-01	3.35E-01
1900	495211.06	3859251.99	0.66299	2.41E-01	2.71E-01	3.36E-01
1901	495261.06	3859251.99	0.65926	2.40E-01	2.69E-01	3.34E-01
1902	495311.06	3859251.99	0.66656	2.42E-01	2.72E-01	3.38E-01
1903	495361.06	3859251.99	0.66485	2.42E-01	2.72E-01	3.37E-01
1904	495411.06	3859251.99	0.66434	2.42E-01	2.71E-01	3.36E-01
1905	495461.06	3859251.99	0.65944	2.40E-01	2.69E-01	3.34E-01
1906	495511.06	3859251.99	0.64993	2.36E-01	2.66E-01	3.29E-01
1907	495561.06	3859251.99	0.64143	2.33E-01	2.62E-01	3.25E-01
1908	495611.06	3859251.99	0.62983	2.29E-01	2.57E-01	3.19E-01
1909	495661.06	3859251.99	0.61867	2.25E-01	2.53E-01	3.13E-01
1910	494311.06	3859301.99	0.83373	3.03E-01	3.41E-01	4.22E-01
1911	494361.06	3859301.99	0.8323	3.03E-01	3.40E-01	4.22E-01
1912	494411.06	3859301.99	0.82684	3.01E-01	3.38E-01	4.19E-01
1913	494461.06	3859301.99	0.82075	2.98E-01	3.35E-01	4.16E-01
1914	494511.06	3859301.99	0.81735	2.97E-01	3.34E-01	4.14E-01
1915	494561.06	3859301.99	0.81461	2.96E-01	3.33E-01	4.13E-01
1916	494611.06	3859301.99	0.8108	2.95E-01	3.31E-01	4.11E-01
1917	494661.06	3859301.99	0.80659	2.93E-01	3.29E-01	4.09E-01
1918	494711.06	3859301.99	0.79919	2.91E-01	3.26E-01	4.05E-01
1919	494761.06	3859301.99	0.78937	2.87E-01	3.22E-01	4.00E-01
1920	494811.06	3859301.99	0.77389	2.81E-01	3.16E-01	3.92E-01
1921	494861.06	3859301.99	0.75083	2.73E-01	3.07E-01	3.80E-01
1922	494911.06	3859301.99	0.73491	2.67E-01	3.00E-01	3.72E-01
1923	494961.06	3859301.99	0.70325	2.56E-01	2.87E-01	3.56E-01
1924	495011.06	3859301.99	0.68621	2.49E-01	2.80E-01	3.48E-01
1925	495061.06	3859301.99	0.68054	2.47E-01	2.78E-01	3.45E-01
1926	495111.06	3859301.99	0.66262	2.41E-01	2.71E-01	3.36E-01
1927	495161.06	3859301.99	0.66392	2.41E-01	2.71E-01	3.36E-01
1928	495211.06	3859301.99	0.67224	2.44E-01	2.75E-01	3.40E-01
1929	495261.06	3859301.99	0.67719	2.46E-01	2.77E-01	3.43E-01
1930	495311.06	3859301.99	0.67624	2.46E-01	2.76E-01	3.43E-01
1931	495361.06	3859301.99	0.67912	2.47E-01	2.77E-01	3.44E-01
1932	495411.06	3859301.99	0.67891	2.47E-01	2.77E-01	3.44E-01
1933	495461.06	3859301.99	0.67785	2.46E-01	2.77E-01	3.43E-01
1934	495511.06	3859301.99	0.67201	2.44E-01	2.75E-01	3.40E-01
1935	495561.06	3859301.99	0.662	2.41E-01	2.70E-01	3.35E-01
1936	495611.06	3859301.99	0.6547	2.38E-01	2.67E-01	3.32E-01
1937	495661.06	3859301.99	0.64593	2.35E-01	2.64E-01	3.27E-01
1938	494311.06	3859351.99	0.84175	3.06E-01	3.44E-01	4.26E-01
1939	494361.06	3859351.99	0.84022	3.05E-01	3.43E-01	4.26E-01
1940	494411.06	3859351.99	0.83429	3.03E-01	3.41E-01	4.23E-01
1941	494461.06	3859351.99	0.82968	3.02E-01	3.39E-01	4.20E-01
1942	494511.06	3859351.99	0.8256	3.00E-01	3.37E-01	4.18E-01
1943	494561.06	3859351.99	0.82365	2.99E-01	3.36E-01	4.17E-01
1944	494611.06	3859351.99	0.8201	2.98E-01	3.35E-01	4.15E-01
1945	494661.06	3859351.99	0.8167	2.97E-01	3.34E-01	4.14E-01
1946	494711.06	3859351.99	0.81	2.94E-01	3.31E-01	4.10E-01
1947	494761.06	3859351.99	0.7913	2.88E-01	3.23E-01	4.01E-01
1948	494811.06	3859351.99	0.78348	2.85E-01	3.20E-01	3.97E-01
1949	494861.06	3859351.99	0.77403	2.81E-01	3.16E-01	3.92E-01

1950	494911.06	3859351.99	0.76541	2.78E-01	3.13E-01	3.88E-01
1951	494961.06	3859351.99	0.75146	2.73E-01	3.07E-01	3.81E-01
1952	495011.06	3859351.99	0.73847	2.68E-01	3.02E-01	3.74E-01
1953	495061.06	3859351.99	0.73424	2.67E-01	3.00E-01	3.72E-01
1954	495111.06	3859351.99	0.71778	2.61E-01	2.93E-01	3.64E-01
1955	495161.06	3859351.99	0.70394	2.56E-01	2.88E-01	3.57E-01
1956	495211.06	3859351.99	0.68847	2.50E-01	2.81E-01	3.49E-01
1957	495261.06	3859351.99	0.68353	2.49E-01	2.79E-01	3.46E-01
1958	495311.06	3859351.99	0.68503	2.49E-01	2.80E-01	3.47E-01
1959	495361.06	3859351.99	0.68735	2.50E-01	2.81E-01	3.48E-01
1960	495411.06	3859351.99	0.68975	2.51E-01	2.82E-01	3.49E-01
1961	495461.06	3859351.99	0.69177	2.51E-01	2.83E-01	3.50E-01
1962	495511.06	3859351.99	0.68658	2.50E-01	2.80E-01	3.48E-01
1963	495561.06	3859351.99	0.68168	2.48E-01	2.78E-01	3.45E-01
1964	495611.06	3859351.99	0.67679	2.46E-01	2.76E-01	3.43E-01
1965	495661.06	3859351.99	0.66756	2.43E-01	2.73E-01	3.38E-01
1966	494311.06	3859401.99	0.84888	3.09E-01	3.47E-01	4.30E-01
1967	494361.06	3859401.99	0.84293	3.06E-01	3.44E-01	4.27E-01
1968	494411.06	3859401.99	0.83621	3.04E-01	3.42E-01	4.24E-01
1969	494461.06	3859401.99	0.83334	3.03E-01	3.40E-01	4.22E-01
1970	494511.06	3859401.99	0.83401	3.03E-01	3.41E-01	4.22E-01
1971	494561.06	3859401.99	0.83245	3.03E-01	3.40E-01	4.22E-01
1972	494611.06	3859401.99	0.82745	3.01E-01	3.38E-01	4.19E-01
1973	494661.06	3859401.99	0.82498	3.00E-01	3.37E-01	4.18E-01
1974	494711.06	3859401.99	0.81991	2.98E-01	3.35E-01	4.15E-01
1975	494761.06	3859401.99	0.79776	2.90E-01	3.26E-01	4.04E-01
1976	494811.06	3859401.99	0.80364	2.92E-01	3.28E-01	4.07E-01
1977	494861.06	3859401.99	0.79331	2.88E-01	3.24E-01	4.02E-01
1978	494911.06	3859401.99	0.77734	2.83E-01	3.18E-01	3.94E-01
1979	494961.06	3859401.99	0.77627	2.82E-01	3.17E-01	3.93E-01
1980	495011.06	3859401.99	0.76884	2.80E-01	3.14E-01	3.89E-01
1981	495061.06	3859401.99	0.75229	2.73E-01	3.07E-01	3.81E-01
1982	495111.06	3859401.99	0.73974	2.69E-01	3.02E-01	3.75E-01
1983	495161.06	3859401.99	0.73682	2.68E-01	3.01E-01	3.73E-01
1984	495211.06	3859401.99	0.72649	2.64E-01	2.97E-01	3.68E-01
1985	495261.06	3859401.99	0.71244	2.59E-01	2.91E-01	3.61E-01
1986	495311.06	3859401.99	0.69675	2.53E-01	2.85E-01	3.53E-01
1987	495361.06	3859401.99	0.69427	2.52E-01	2.84E-01	3.52E-01
1988	495411.06	3859401.99	0.6976	2.54E-01	2.85E-01	3.53E-01
1989	495461.06	3859401.99	0.69779	2.54E-01	2.85E-01	3.53E-01
1990	495511.06	3859401.99	0.69492	2.53E-01	2.84E-01	3.52E-01
1991	495561.06	3859401.99	0.68986	2.51E-01	2.82E-01	3.49E-01
1992	495611.06	3859401.99	0.68673	2.50E-01	2.81E-01	3.48E-01
1993	495661.06	3859401.99	0.68296	2.48E-01	2.79E-01	3.46E-01
1994	494311.06	3859451.99	0.86204	3.13E-01	3.52E-01	4.37E-01
1995	494361.06	3859451.99	0.8401	3.05E-01	3.43E-01	4.26E-01
1996	494411.06	3859451.99	0.82913	3.01E-01	3.39E-01	4.20E-01
1997	494461.06	3859451.99	0.83221	3.03E-01	3.40E-01	4.22E-01
1998	494511.06	3859451.99	0.82979	3.02E-01	3.39E-01	4.20E-01
1999	494561.06	3859451.99	0.8289	3.01E-01	3.39E-01	4.20E-01
2000	494611.06	3859451.99	0.83133	3.02E-01	3.40E-01	4.21E-01
2001	494661.06	3859451.99	0.82689	3.01E-01	3.38E-01	4.19E-01
2002	494711.06	3859451.99	0.821	2.98E-01	3.35E-01	4.16E-01
2003	494761.06	3859451.99	0.81635	2.97E-01	3.33E-01	4.13E-01
2004	494811.06	3859451.99	0.80718	2.93E-01	3.30E-01	4.09E-01
2005	494861.06	3859451.99	0.80164	2.91E-01	3.27E-01	4.06E-01
2006	494911.06	3859451.99	0.79706	2.90E-01	3.26E-01	4.04E-01
2007	494961.06	3859451.99	0.79285	2.88E-01	3.24E-01	4.02E-01
2008	495011.06	3859451.99	0.78707	2.86E-01	3.22E-01	3.99E-01
2009	495061.06	3859451.99	0.78012	2.84E-01	3.19E-01	3.95E-01
2010	495111.06	3859451.99	0.77099	2.80E-01	3.15E-01	3.91E-01
2011	495161.06	3859451.99	0.7627	2.77E-01	3.12E-01	3.86E-01
2012	495211.06	3859451.99	0.75404	2.74E-01	3.08E-01	3.82E-01

2013	495261.06	3859451.99	0.74372	2.70E-01	3.04E-01	3.77E-01
2014	495311.06	3859451.99	0.73041	2.66E-01	2.98E-01	3.70E-01
2015	495361.06	3859451.99	0.71693	2.61E-01	2.93E-01	3.63E-01
2016	495411.06	3859451.99	0.70114	2.55E-01	2.86E-01	3.55E-01
2017	495461.06	3859451.99	0.69819	2.54E-01	2.85E-01	3.54E-01
2018	495511.06	3859451.99	0.69611	2.53E-01	2.84E-01	3.53E-01
2019	495561.06	3859451.99	0.69566	2.53E-01	2.84E-01	3.52E-01
2020	495611.06	3859451.99	0.69427	2.52E-01	2.84E-01	3.52E-01
2021	495661.06	3859451.99	0.69203	2.52E-01	2.83E-01	3.51E-01
2022	494311.06	3859501.99	0.92043	3.35E-01	3.76E-01	4.66E-01
2023	494361.06	3859501.99	0.88573	3.22E-01	3.62E-01	4.49E-01
2024	494411.06	3859501.99	0.82363	2.99E-01	3.36E-01	4.17E-01
2025	494461.06	3859501.99	0.82695	3.01E-01	3.38E-01	4.19E-01
2026	494511.06	3859501.99	0.82339	2.99E-01	3.36E-01	4.17E-01
2027	494561.06	3859501.99	0.82154	2.99E-01	3.36E-01	4.16E-01
2028	494611.06	3859501.99	0.83016	3.02E-01	3.39E-01	4.20E-01
2029	494661.06	3859501.99	0.82432	3.00E-01	3.37E-01	4.18E-01
2030	494711.06	3859501.99	0.81539	2.96E-01	3.33E-01	4.13E-01
2031	494761.06	3859501.99	0.81844	2.98E-01	3.34E-01	4.15E-01
2032	494811.06	3859501.99	0.80467	2.93E-01	3.29E-01	4.08E-01
2033	494861.06	3859501.99	0.80142	2.91E-01	3.27E-01	4.06E-01
2034	494911.06	3859501.99	0.80003	2.91E-01	3.27E-01	4.05E-01
2035	494961.06	3859501.99	0.79477	2.89E-01	3.25E-01	4.03E-01
2036	495011.06	3859501.99	0.79155	2.88E-01	3.23E-01	4.01E-01
2037	495061.06	3859501.99	0.78753	2.86E-01	3.22E-01	3.99E-01
2038	495111.06	3859501.99	0.77931	2.83E-01	3.18E-01	3.95E-01
2039	495161.06	3859501.99	0.77311	2.81E-01	3.16E-01	3.92E-01
2040	495211.06	3859501.99	0.76691	2.79E-01	3.13E-01	3.88E-01
2041	495261.06	3859501.99	0.75808	2.76E-01	3.10E-01	3.84E-01
2042	495311.06	3859501.99	0.7487	2.72E-01	3.06E-01	3.79E-01
2043	495361.06	3859501.99	0.7371	2.68E-01	3.01E-01	3.73E-01
2044	495411.06	3859501.99	0.72513	2.64E-01	2.96E-01	3.67E-01
2045	495461.06	3859501.99	0.71145	2.59E-01	2.91E-01	3.60E-01
2046	495511.06	3859501.99	0.68565	2.49E-01	2.80E-01	3.47E-01
2047	495561.06	3859501.99	0.69452	2.52E-01	2.84E-01	3.52E-01
2048	495611.06	3859501.99	0.69473	2.53E-01	2.84E-01	3.52E-01
2049	495661.06	3859501.99	0.69324	2.52E-01	2.83E-01	3.51E-01
2050	494311.06	3859551.99	0.97018	3.53E-01	3.96E-01	4.91E-01
2051	494361.06	3859551.99	0.90797	3.30E-01	3.71E-01	4.60E-01
2052	494411.06	3859551.99	0.85422	3.11E-01	3.49E-01	4.33E-01
2053	494461.06	3859551.99	0.87586	3.18E-01	3.58E-01	4.44E-01
2054	494511.06	3859551.99	0.84291	3.06E-01	3.44E-01	4.27E-01
2055	494561.06	3859551.99	0.81877	2.98E-01	3.34E-01	4.15E-01
2056	494611.06	3859551.99	0.81492	2.96E-01	3.33E-01	4.13E-01
2057	494661.06	3859551.99	0.81575	2.97E-01	3.33E-01	4.13E-01
2058	494711.06	3859551.99	0.80034	2.91E-01	3.27E-01	4.05E-01
2059	494761.06	3859551.99	0.81173	2.95E-01	3.32E-01	4.11E-01
2060	494811.06	3859551.99	0.80213	2.92E-01	3.28E-01	4.06E-01
2061	494861.06	3859551.99	0.80118	2.91E-01	3.27E-01	4.06E-01
2062	494911.06	3859551.99	0.79727	2.90E-01	3.26E-01	4.04E-01
2063	494961.06	3859551.99	0.79683	2.90E-01	3.26E-01	4.04E-01
2064	495011.06	3859551.99	0.79622	2.89E-01	3.25E-01	4.03E-01
2065	495061.06	3859551.99	0.79169	2.88E-01	3.23E-01	4.01E-01
2066	495111.06	3859551.99	0.78487	2.85E-01	3.21E-01	3.98E-01
2067	495161.06	3859551.99	0.78125	2.84E-01	3.19E-01	3.96E-01
2068	495211.06	3859551.99	0.77741	2.83E-01	3.18E-01	3.94E-01
2069	495261.06	3859551.99	0.76873	2.79E-01	3.14E-01	3.89E-01
2070	495311.06	3859551.99	0.76017	2.76E-01	3.11E-01	3.85E-01
2071	495361.06	3859551.99	0.75143	2.73E-01	3.07E-01	3.81E-01
2072	495411.06	3859551.99	0.74244	2.70E-01	3.03E-01	3.76E-01
2073	495461.06	3859551.99	0.72917	2.65E-01	2.98E-01	3.69E-01
2074	495511.06	3859551.99	0.71463	2.60E-01	2.92E-01	3.62E-01
2075	495561.06	3859551.99	0.70085	2.55E-01	2.86E-01	3.55E-01

2076	495611.06	3859551.99	0.68657	2.50E-01	2.80E-01	3.48E-01
2077	495661.06	3859551.99	0.6868	2.50E-01	2.81E-01	3.48E-01
2078	494311.06	3859601.99	1.02604	3.73E-01	4.19E-01	5.20E-01
2079	494361.06	3859601.99	0.94508	3.44E-01	3.86E-01	4.79E-01
2080	494411.06	3859601.99	0.91757	3.34E-01	3.75E-01	4.65E-01
2081	494461.06	3859601.99	0.92729	3.37E-01	3.79E-01	4.70E-01
2082	494511.06	3859601.99	0.88067	3.20E-01	3.60E-01	4.46E-01
2083	494561.06	3859601.99	0.8815	3.20E-01	3.60E-01	4.46E-01
2084	494611.06	3859601.99	0.87085	3.17E-01	3.56E-01	4.41E-01
2085	494661.06	3859601.99	0.81946	2.98E-01	3.35E-01	4.15E-01
2086	494711.06	3859601.99	0.79945	2.91E-01	3.27E-01	4.05E-01
2087	494761.06	3859601.99	0.81496	2.96E-01	3.33E-01	4.13E-01
2088	494811.06	3859601.99	0.7964	2.90E-01	3.25E-01	4.03E-01
2089	494861.06	3859601.99	0.79689	2.90E-01	3.26E-01	4.04E-01
2090	494911.06	3859601.99	0.79191	2.88E-01	3.24E-01	4.01E-01
2091	494961.06	3859601.99	0.79801	2.90E-01	3.26E-01	4.04E-01
2092	495011.06	3859601.99	0.79111	2.88E-01	3.23E-01	4.01E-01
2093	495061.06	3859601.99	0.79268	2.88E-01	3.24E-01	4.02E-01
2094	495111.06	3859601.99	0.78767	2.86E-01	3.22E-01	3.99E-01
2095	495161.06	3859601.99	0.7861	2.86E-01	3.21E-01	3.98E-01
2096	495211.06	3859601.99	0.78231	2.84E-01	3.20E-01	3.96E-01
2097	495261.06	3859601.99	0.77799	2.83E-01	3.18E-01	3.94E-01
2098	495311.06	3859601.99	0.77299	2.81E-01	3.16E-01	3.92E-01
2099	495361.06	3859601.99	0.76526	2.78E-01	3.13E-01	3.88E-01
2100	495411.06	3859601.99	0.75803	2.76E-01	3.10E-01	3.84E-01
2101	495461.06	3859601.99	0.74486	2.71E-01	3.04E-01	3.77E-01
2102	495511.06	3859601.99	0.73139	2.66E-01	2.99E-01	3.70E-01
2103	495561.06	3859601.99	0.72245	2.63E-01	2.95E-01	3.66E-01
2104	495611.06	3859601.99	0.70698	2.57E-01	2.89E-01	3.58E-01
2105	495661.06	3859601.99	0.69502	2.53E-01	2.84E-01	3.52E-01
2106	494311.06	3859651.99	1.05722	3.84E-01	4.32E-01	5.35E-01
2107	494361.06	3859651.99	0.98784	3.59E-01	4.04E-01	5.00E-01
2108	494411.06	3859651.99	0.96825	3.52E-01	3.96E-01	4.90E-01
2109	494461.06	3859651.99	0.97923	3.56E-01	4.00E-01	4.96E-01
2110	494511.06	3859651.99	0.95418	3.47E-01	3.90E-01	4.83E-01
2111	494561.06	3859651.99	0.94105	3.42E-01	3.84E-01	4.77E-01
2112	494611.06	3859651.99	0.92536	3.36E-01	3.78E-01	4.69E-01
2113	494661.06	3859651.99	0.84222	3.06E-01	3.44E-01	4.27E-01
2114	494711.06	3859651.99	0.8346	3.03E-01	3.41E-01	4.23E-01
2115	494761.06	3859651.99	0.83981	3.05E-01	3.43E-01	4.25E-01
2116	494811.06	3859651.99	0.81735	2.97E-01	3.34E-01	4.14E-01
2117	494861.06	3859651.99	0.81083	2.95E-01	3.31E-01	4.11E-01
2118	494911.06	3859651.99	0.79973	2.91E-01	3.27E-01	4.05E-01
2119	494961.06	3859651.99	0.79155	2.88E-01	3.23E-01	4.01E-01
2120	495011.06	3859651.99	0.79037	2.87E-01	3.23E-01	4.00E-01
2121	495061.06	3859651.99	0.79135	2.88E-01	3.23E-01	4.01E-01
2122	495111.06	3859651.99	0.78952	2.87E-01	3.23E-01	4.00E-01
2123	495161.06	3859651.99	0.78791	2.86E-01	3.22E-01	3.99E-01
2124	495211.06	3859651.99	0.78627	2.86E-01	3.21E-01	3.98E-01
2125	495261.06	3859651.99	0.78297	2.85E-01	3.20E-01	3.97E-01
2126	495311.06	3859651.99	0.77901	2.83E-01	3.18E-01	3.95E-01
2127	495361.06	3859651.99	0.77461	2.82E-01	3.16E-01	3.92E-01
2128	495411.06	3859651.99	0.76811	2.79E-01	3.14E-01	3.89E-01
2129	495461.06	3859651.99	0.75823	2.76E-01	3.10E-01	3.84E-01
2130	495511.06	3859651.99	0.74824	2.72E-01	3.06E-01	3.79E-01
2131	495561.06	3859651.99	0.73983	2.69E-01	3.02E-01	3.75E-01
2132	495611.06	3859651.99	0.72911	2.65E-01	2.98E-01	3.69E-01
2133	495661.06	3859651.99	0.71685	2.61E-01	2.93E-01	3.63E-01
2134	494311.06	3859701.99	1.02164	3.71E-01	4.17E-01	5.17E-01
2135	494361.06	3859701.99	1.00984	3.67E-01	4.13E-01	5.11E-01
2136	494411.06	3859701.99	1.00565	3.66E-01	4.11E-01	5.09E-01
2137	494461.06	3859701.99	1.03236	3.75E-01	4.22E-01	5.23E-01
2138	494511.06	3859701.99	1.01229	3.68E-01	4.14E-01	5.13E-01

2139	494561.06	3859701.99	1.00248	3.64E-01	4.10E-01	5.08E-01
2140	494611.06	3859701.99	0.98938	3.60E-01	4.04E-01	5.01E-01
2141	494661.06	3859701.99	0.91857	3.34E-01	3.75E-01	4.65E-01
2142	494711.06	3859701.99	0.91851	3.34E-01	3.75E-01	4.65E-01
2143	494761.06	3859701.99	0.88977	3.23E-01	3.63E-01	4.51E-01
2144	494811.06	3859701.99	0.85874	3.12E-01	3.51E-01	4.35E-01
2145	494861.06	3859701.99	0.85989	3.13E-01	3.51E-01	4.36E-01
2146	494911.06	3859701.99	0.83435	3.03E-01	3.41E-01	4.23E-01
2147	494961.06	3859701.99	0.81982	2.98E-01	3.35E-01	4.15E-01
2148	495011.06	3859701.99	0.81593	2.97E-01	3.33E-01	4.13E-01
2149	495061.06	3859701.99	0.80742	2.94E-01	3.30E-01	4.09E-01
2150	495111.06	3859701.99	0.79595	2.89E-01	3.25E-01	4.03E-01
2151	495161.06	3859701.99	0.78751	2.86E-01	3.22E-01	3.99E-01
2152	495211.06	3859701.99	0.7848	2.85E-01	3.21E-01	3.98E-01
2153	495261.06	3859701.99	0.78548	2.86E-01	3.21E-01	3.98E-01
2154	495311.06	3859701.99	0.78174	2.84E-01	3.19E-01	3.96E-01
2155	495361.06	3859701.99	0.77836	2.83E-01	3.18E-01	3.94E-01
2156	495411.06	3859701.99	0.77321	2.81E-01	3.16E-01	3.92E-01
2157	495461.06	3859701.99	0.76748	2.79E-01	3.14E-01	3.89E-01
2158	495511.06	3859701.99	0.75776	2.75E-01	3.10E-01	3.84E-01
2159	495561.06	3859701.99	0.75374	2.74E-01	3.08E-01	3.82E-01
2160	495611.06	3859701.99	0.74549	2.71E-01	3.05E-01	3.78E-01
2161	495661.06	3859701.99	0.73609	2.68E-01	3.01E-01	3.73E-01
2162	494311.06	3859751.99	1.10288	4.01E-01	4.51E-01	5.59E-01
2163	494361.06	3859751.99	1.08558	3.95E-01	4.43E-01	5.50E-01
2164	494411.06	3859751.99	1.05826	3.85E-01	4.32E-01	5.36E-01
2165	494461.06	3859751.99	1.08059	3.93E-01	4.41E-01	5.47E-01
2166	494511.06	3859751.99	1.08671	3.95E-01	4.44E-01	5.50E-01
2167	494561.06	3859751.99	1.06765	3.88E-01	4.36E-01	5.41E-01
2168	494611.06	3859751.99	1.03684	3.77E-01	4.24E-01	5.25E-01
2169	494661.06	3859751.99	0.96058	3.49E-01	3.92E-01	4.87E-01
2170	494711.06	3859751.99	0.98451	3.58E-01	4.02E-01	4.99E-01
2171	494761.06	3859751.99	0.97348	3.54E-01	3.98E-01	4.93E-01
2172	494811.06	3859751.99	0.94708	3.44E-01	3.87E-01	4.80E-01
2173	494861.06	3859751.99	0.9312	3.39E-01	3.80E-01	4.72E-01
2174	494911.06	3859751.99	0.91323	3.32E-01	3.73E-01	4.63E-01
2175	494961.06	3859751.99	0.89513	3.25E-01	3.66E-01	4.53E-01
2176	495011.06	3859751.99	0.87376	3.18E-01	3.57E-01	4.43E-01
2177	495061.06	3859751.99	0.86177	3.13E-01	3.52E-01	4.36E-01
2178	495111.06	3859751.99	0.84036	3.06E-01	3.43E-01	4.26E-01
2179	495161.06	3859751.99	0.81796	2.97E-01	3.34E-01	4.14E-01
2180	495211.06	3859751.99	0.80766	2.94E-01	3.30E-01	4.09E-01
2181	495261.06	3859751.99	0.799	2.90E-01	3.26E-01	4.05E-01
2182	495311.06	3859751.99	0.78934	2.87E-01	3.22E-01	4.00E-01
2183	495361.06	3859751.99	0.78221	2.84E-01	3.20E-01	3.96E-01
2184	495411.06	3859751.99	0.77935	2.83E-01	3.18E-01	3.95E-01
2185	495461.06	3859751.99	0.77404	2.81E-01	3.16E-01	3.92E-01
2186	495511.06	3859751.99	0.76817	2.79E-01	3.14E-01	3.89E-01
2187	495561.06	3859751.99	0.76285	2.77E-01	3.12E-01	3.86E-01
2188	495611.06	3859751.99	0.75672	2.75E-01	3.09E-01	3.83E-01
2189	495661.06	3859751.99	0.75046	2.73E-01	3.07E-01	3.80E-01
2190	494311.06	3859801.99	1.178	4.28E-01	4.81E-01	5.97E-01
2191	494361.06	3859801.99	1.14497	4.16E-01	4.68E-01	5.80E-01
2192	494411.06	3859801.99	1.10625	4.02E-01	4.52E-01	5.60E-01
2193	494461.06	3859801.99	1.12726	4.10E-01	4.60E-01	5.71E-01
2194	494511.06	3859801.99	1.1505	4.18E-01	4.70E-01	5.83E-01
2195	494561.06	3859801.99	1.13474	4.13E-01	4.64E-01	5.75E-01
2196	494611.06	3859801.99	1.08195	3.93E-01	4.42E-01	5.48E-01
2197	494661.06	3859801.99	1.05916	3.85E-01	4.33E-01	5.36E-01
2198	494711.06	3859801.99	1.02642	3.73E-01	4.19E-01	5.20E-01
2199	494761.06	3859801.99	1.04398	3.80E-01	4.26E-01	5.29E-01
2200	494811.06	3859801.99	1.02045	3.71E-01	4.17E-01	5.17E-01
2201	494861.06	3859801.99	1.00825	3.67E-01	4.12E-01	5.11E-01

2202	494911.06	3859801.99	0.97998	3.56E-01	4.00E-01	4.96E-01
2203	494961.06	3859801.99	0.96255	3.50E-01	3.93E-01	4.88E-01
2204	495011.06	3859801.99	0.94235	3.43E-01	3.85E-01	4.77E-01
2205	495061.06	3859801.99	0.92839	3.38E-01	3.79E-01	4.70E-01
2206	495111.06	3859801.99	0.90238	3.28E-01	3.69E-01	4.57E-01
2207	495161.06	3859801.99	0.87816	3.19E-01	3.59E-01	4.45E-01
2208	495211.06	3859801.99	0.86289	3.14E-01	3.52E-01	4.37E-01
2209	495261.06	3859801.99	0.83665	3.04E-01	3.42E-01	4.24E-01
2210	495311.06	3859801.99	0.82308	2.99E-01	3.36E-01	4.17E-01
2211	495361.06	3859801.99	0.79986	2.91E-01	3.27E-01	4.05E-01
2212	495411.06	3859801.99	0.7878	2.86E-01	3.22E-01	3.99E-01
2213	495461.06	3859801.99	0.77834	2.83E-01	3.18E-01	3.94E-01
2214	495511.06	3859801.99	0.77212	2.81E-01	3.15E-01	3.91E-01
2215	495561.06	3859801.99	0.76832	2.79E-01	3.14E-01	3.89E-01
2216	495611.06	3859801.99	0.7649	2.78E-01	3.12E-01	3.87E-01
2217	495661.06	3859801.99	0.75771	2.75E-01	3.10E-01	3.84E-01
2218	494311.06	3859851.99	1.2298	4.47E-01	5.02E-01	6.23E-01
2219	494361.06	3859851.99	1.20436	4.38E-01	4.92E-01	6.10E-01
2220	494411.06	3859851.99	1.1736	4.27E-01	4.79E-01	5.94E-01
2221	494461.06	3859851.99	1.1573	4.21E-01	4.73E-01	5.86E-01
2222	494511.06	3859851.99	1.16827	4.25E-01	4.77E-01	5.92E-01
2223	494561.06	3859851.99	1.18643	4.31E-01	4.85E-01	6.01E-01
2224	494611.06	3859851.99	1.12841	4.10E-01	4.61E-01	5.72E-01
2225	494661.06	3859851.99	1.13116	4.11E-01	4.62E-01	5.73E-01
2226	494711.06	3859851.99	1.0929	3.97E-01	4.46E-01	5.54E-01
2227	494761.06	3859851.99	1.10618	4.02E-01	4.52E-01	5.60E-01
2228	494811.06	3859851.99	1.087	3.95E-01	4.44E-01	5.51E-01
2229	494861.06	3859851.99	1.08073	3.93E-01	4.41E-01	5.47E-01
2230	494911.06	3859851.99	1.05369	3.83E-01	4.30E-01	5.34E-01
2231	494961.06	3859851.99	1.0359	3.77E-01	4.23E-01	5.25E-01
2232	495011.06	3859851.99	1.01701	3.70E-01	4.15E-01	5.15E-01
2233	495061.06	3859851.99	1.00385	3.65E-01	4.10E-01	5.08E-01
2234	495111.06	3859851.99	0.97401	3.54E-01	3.98E-01	4.93E-01
2235	495161.06	3859851.99	0.95162	3.46E-01	3.89E-01	4.82E-01
2236	495211.06	3859851.99	0.93217	3.39E-01	3.81E-01	4.72E-01
2237	495261.06	3859851.99	0.909	3.30E-01	3.71E-01	4.60E-01
2238	495311.06	3859851.99	0.89344	3.25E-01	3.65E-01	4.53E-01
2239	495361.06	3859851.99	0.87388	3.18E-01	3.57E-01	4.43E-01
2240	495411.06	3859851.99	0.84651	3.08E-01	3.46E-01	4.29E-01
2241	495461.06	3859851.99	0.81975	2.98E-01	3.35E-01	4.15E-01
2242	495511.06	3859851.99	0.78847	2.87E-01	3.22E-01	3.99E-01
2243	495561.06	3859851.99	0.77595	2.82E-01	3.17E-01	3.93E-01
2244	495611.06	3859851.99	0.76472	2.78E-01	3.12E-01	3.87E-01
2245	495661.06	3859851.99	0.75966	2.76E-01	3.10E-01	3.85E-01
2246	494311.06	3859901.99	1.26565	4.60E-01	5.17E-01	6.41E-01
2247	494361.06	3859901.99	1.21461	4.42E-01	4.96E-01	6.15E-01
2248	494411.06	3859901.99	1.22034	4.44E-01	4.99E-01	6.18E-01
2249	494461.06	3859901.99	1.20584	4.38E-01	4.93E-01	6.11E-01
2250	494511.06	3859901.99	1.20596	4.38E-01	4.93E-01	6.11E-01
2251	494561.06	3859901.99	1.23991	4.51E-01	5.07E-01	6.28E-01
2252	494611.06	3859901.99	1.17218	4.26E-01	4.79E-01	5.94E-01
2253	494661.06	3859901.99	1.1951	4.34E-01	4.88E-01	6.05E-01
2254	494711.06	3859901.99	1.13329	4.12E-01	4.63E-01	5.74E-01
2255	494761.06	3859901.99	1.13981	4.14E-01	4.66E-01	5.77E-01
2256	494811.06	3859901.99	1.14698	4.17E-01	4.69E-01	5.81E-01
2257	494861.06	3859901.99	1.13947	4.14E-01	4.65E-01	5.77E-01
2258	494911.06	3859901.99	1.11207	4.04E-01	4.54E-01	5.63E-01
2259	494961.06	3859901.99	1.1006	4.00E-01	4.50E-01	5.57E-01
2260	495011.06	3859901.99	1.07778	3.92E-01	4.40E-01	5.46E-01
2261	495061.06	3859901.99	1.05931	3.85E-01	4.33E-01	5.37E-01
2262	495111.06	3859901.99	1.03085	3.75E-01	4.21E-01	5.22E-01
2263	495161.06	3859901.99	1.00415	3.65E-01	4.10E-01	5.09E-01
2264	495211.06	3859901.99	0.99437	3.62E-01	4.06E-01	5.04E-01

2265	495261.06	3859901.99	0.95992	3.49E-01	3.92E-01	4.86E-01
2266	495311.06	3859901.99	0.94986	3.45E-01	3.88E-01	4.81E-01
2267	495361.06	3859901.99	0.92651	3.37E-01	3.78E-01	4.69E-01
2268	495411.06	3859901.99	0.89793	3.26E-01	3.67E-01	4.55E-01
2269	495461.06	3859901.99	0.87342	3.18E-01	3.57E-01	4.42E-01
2270	495511.06	3859901.99	0.85979	3.13E-01	3.51E-01	4.35E-01
2271	495561.06	3859901.99	0.84574	3.07E-01	3.45E-01	4.28E-01
2272	495611.06	3859901.99	0.81882	2.98E-01	3.34E-01	4.15E-01
2273	495661.06	3859901.99	0.78944	2.87E-01	3.22E-01	4.00E-01
2274	494311.06	3859951.99	1.31367	4.78E-01	5.37E-01	6.65E-01
2275	494361.06	3859951.99	1.2751	4.64E-01	5.21E-01	6.46E-01
2276	494411.06	3859951.99	1.24784	4.54E-01	5.10E-01	6.32E-01
2277	494461.06	3859951.99	1.23512	4.49E-01	5.05E-01	6.26E-01
2278	494511.06	3859951.99	1.23827	4.50E-01	5.06E-01	6.27E-01
2279	494561.06	3859951.99	1.28344	4.67E-01	5.24E-01	6.50E-01
2280	494611.06	3859951.99	1.22704	4.46E-01	5.01E-01	6.22E-01
2281	494661.06	3859951.99	1.24592	4.53E-01	5.09E-01	6.31E-01
2282	494711.06	3859951.99	1.19558	4.35E-01	4.88E-01	6.06E-01
2283	494761.06	3859951.99	1.19329	4.34E-01	4.87E-01	6.04E-01
2284	494811.06	3859951.99	1.18454	4.31E-01	4.84E-01	6.00E-01
2285	494861.06	3859951.99	1.18867	4.32E-01	4.86E-01	6.02E-01
2286	494911.06	3859951.99	1.15976	4.22E-01	4.74E-01	5.87E-01
2287	494961.06	3859951.99	1.13449	4.12E-01	4.63E-01	5.75E-01
2288	495011.06	3859951.99	1.11372	4.05E-01	4.55E-01	5.64E-01
2289	495061.06	3859951.99	1.09945	4.00E-01	4.49E-01	5.57E-01
2290	495111.06	3859951.99	1.07096	3.89E-01	4.37E-01	5.42E-01
2291	495161.06	3859951.99	1.04476	3.80E-01	4.27E-01	5.29E-01
2292	495211.06	3859951.99	1.01998	3.71E-01	4.17E-01	5.17E-01
2293	495261.06	3859951.99	1.00204	3.64E-01	4.09E-01	5.08E-01
2294	495311.06	3859951.99	0.99598	3.62E-01	4.07E-01	5.04E-01
2295	495361.06	3859951.99	0.97967	3.56E-01	4.00E-01	4.96E-01
2296	495411.06	3859951.99	0.95258	3.46E-01	3.89E-01	4.82E-01
2297	495461.06	3859951.99	0.92912	3.38E-01	3.80E-01	4.71E-01
2298	495511.06	3859951.99	0.9049	3.29E-01	3.70E-01	4.58E-01
2299	495561.06	3859951.99	0.90131	3.28E-01	3.68E-01	4.57E-01
2300	495611.06	3859951.99	0.87429	3.18E-01	3.57E-01	4.43E-01
2301	495661.06	3859951.99	0.84138	3.06E-01	3.44E-01	4.26E-01
2302	494311.06	3860001.99	1.42442	5.18E-01	5.82E-01	7.21E-01
2303	494361.06	3860001.99	1.39504	5.07E-01	5.70E-01	7.07E-01
2304	494411.06	3860001.99	1.34528	4.89E-01	5.50E-01	6.81E-01
2305	494461.06	3860001.99	1.32858	4.83E-01	5.43E-01	6.73E-01
2306	494511.06	3860001.99	1.29349	4.70E-01	5.28E-01	6.55E-01
2307	494561.06	3860001.99	1.33236	4.84E-01	5.44E-01	6.75E-01
2308	494611.06	3860001.99	1.29356	4.70E-01	5.28E-01	6.55E-01
2309	494661.06	3860001.99	1.27421	4.63E-01	5.21E-01	6.45E-01
2310	494711.06	3860001.99	1.19669	4.35E-01	4.89E-01	6.06E-01
2311	494761.06	3860001.99	1.21844	4.43E-01	4.98E-01	6.17E-01
2312	494811.06	3860001.99	1.21763	4.43E-01	4.97E-01	6.17E-01
2313	494861.06	3860001.99	1.22097	4.44E-01	4.99E-01	6.18E-01
2314	494911.06	3860001.99	1.15229	4.19E-01	4.71E-01	5.84E-01
2315	494961.06	3860001.99	1.15326	4.19E-01	4.71E-01	5.84E-01
2316	495011.06	3860001.99	1.12891	4.10E-01	4.61E-01	5.72E-01
2317	495061.06	3860001.99	1.12901	4.10E-01	4.61E-01	5.72E-01
2318	495111.06	3860001.99	1.10222	4.01E-01	4.50E-01	5.58E-01
2319	495161.06	3860001.99	1.07512	3.91E-01	4.39E-01	5.45E-01
2320	495211.06	3860001.99	1.07177	3.90E-01	4.38E-01	5.43E-01
2321	495261.06	3860001.99	1.04772	3.81E-01	4.28E-01	5.31E-01
2322	495311.06	3860001.99	1.0331	3.76E-01	4.22E-01	5.23E-01
2323	495361.06	3860001.99	0.99254	3.61E-01	4.05E-01	5.03E-01
2324	495411.06	3860001.99	0.99255	3.61E-01	4.05E-01	5.03E-01
2325	495461.06	3860001.99	0.97294	3.54E-01	3.97E-01	4.93E-01
2326	495511.06	3860001.99	0.95498	3.47E-01	3.90E-01	4.84E-01
2327	495561.06	3860001.99	0.94689	3.44E-01	3.87E-01	4.80E-01

2328	495611.06	3860001.99	0.9186	3.34E-01	3.75E-01	4.65E-01
2329	495661.06	3860001.99	0.89102	3.24E-01	3.64E-01	4.51E-01
2330	494411.06	3860051.99	1.45903	5.30E-01	5.96E-01	7.39E-01
2331	494461.06	3860051.99	1.42875	5.19E-01	5.84E-01	7.24E-01
2332	494511.06	3860051.99	1.40268	5.10E-01	5.73E-01	7.10E-01
2333	494561.06	3860051.99	1.41282	5.14E-01	5.77E-01	7.16E-01
2334	494611.06	3860051.99	1.39964	5.09E-01	5.72E-01	7.09E-01
2335	494661.06	3860051.99	1.38037	5.02E-01	5.64E-01	6.99E-01
2336	494711.06	3860051.99	1.33038	4.84E-01	5.43E-01	6.74E-01
2337	494761.06	3860051.99	1.31475	4.78E-01	5.37E-01	6.66E-01
2338	494811.06	3860051.99	1.31068	4.77E-01	5.35E-01	6.64E-01
2339	494861.06	3860051.99	1.30169	4.73E-01	5.32E-01	6.59E-01
2340	494911.06	3860051.99	1.26469	4.60E-01	5.17E-01	6.41E-01
2341	494961.06	3860051.99	1.22542	4.46E-01	5.01E-01	6.21E-01
2342	495011.06	3860051.99	1.1921	4.33E-01	4.87E-01	6.04E-01
2343	495061.06	3860051.99	1.16666	4.24E-01	4.77E-01	5.91E-01
2344	495111.06	3860051.99	1.13013	4.11E-01	4.62E-01	5.72E-01
2345	495161.06	3860051.99	1.10624	4.02E-01	4.52E-01	5.60E-01
2346	495211.06	3860051.99	1.07762	3.92E-01	4.40E-01	5.46E-01
2347	495261.06	3860051.99	1.06008	3.85E-01	4.33E-01	5.37E-01
2348	495311.06	3860051.99	1.0518	3.82E-01	4.30E-01	5.33E-01
2349	495361.06	3860051.99	1.03857	3.78E-01	4.24E-01	5.26E-01
2350	495411.06	3860051.99	1.02177	3.71E-01	4.17E-01	5.18E-01
2351	495461.06	3860051.99	0.99983	3.63E-01	4.08E-01	5.06E-01
2352	495511.06	3860051.99	0.98884	3.59E-01	4.04E-01	5.01E-01
2353	495561.06	3860051.99	0.97137	3.53E-01	3.97E-01	4.92E-01
2354	495611.06	3860051.99	0.948	3.45E-01	3.87E-01	4.80E-01
2355	495661.06	3860051.99	0.9169	3.33E-01	3.75E-01	4.64E-01
2356	494411.06	3860101.99	1.52428	5.54E-01	6.23E-01	7.72E-01
2357	494461.06	3860101.99	1.53205	5.57E-01	6.26E-01	7.76E-01
2358	494511.06	3860101.99	1.48572	5.40E-01	6.07E-01	7.53E-01
2359	494561.06	3860101.99	1.47846	5.38E-01	6.04E-01	7.49E-01
2360	494611.06	3860101.99	1.48606	5.40E-01	6.07E-01	7.53E-01
2361	494661.06	3860101.99	1.47183	5.35E-01	6.01E-01	7.45E-01
2362	494711.06	3860101.99	1.43054	5.20E-01	5.84E-01	7.25E-01
2363	494761.06	3860101.99	1.4138	5.14E-01	5.78E-01	7.16E-01
2364	494811.06	3860101.99	1.39871	5.09E-01	5.71E-01	7.08E-01
2365	494861.06	3860101.99	1.41138	5.13E-01	5.77E-01	7.15E-01
2366	494911.06	3860101.99	1.34213	4.88E-01	5.48E-01	6.80E-01
2367	494961.06	3860101.99	1.32258	4.81E-01	5.40E-01	6.70E-01
2368	495011.06	3860101.99	1.29077	4.69E-01	5.27E-01	6.54E-01
2369	495061.06	3860101.99	1.2616	4.59E-01	5.15E-01	6.39E-01
2370	495111.06	3860101.99	1.22399	4.45E-01	5.00E-01	6.20E-01
2371	495161.06	3860101.99	1.2083	4.39E-01	4.94E-01	6.12E-01
2372	495211.06	3860101.99	1.18514	4.31E-01	4.84E-01	6.00E-01
2373	495261.06	3860101.99	1.16155	4.22E-01	4.75E-01	5.88E-01
2374	495311.06	3860101.99	1.14197	4.15E-01	4.67E-01	5.78E-01
2375	495361.06	3860101.99	1.12896	4.10E-01	4.61E-01	5.72E-01
2376	495411.06	3860101.99	1.10543	4.02E-01	4.52E-01	5.60E-01
2377	495461.06	3860101.99	1.07127	3.89E-01	4.38E-01	5.43E-01
2378	495511.06	3860101.99	1.05907	3.85E-01	4.33E-01	5.36E-01
2379	495561.06	3860101.99	1.0461	3.80E-01	4.27E-01	5.30E-01
2380	495611.06	3860101.99	1.01261	3.68E-01	4.14E-01	5.13E-01
2381	495661.06	3860101.99	0.99228	3.61E-01	4.05E-01	5.03E-01
2382	494861.06	3860151.99	1.50336	5.47E-01	6.14E-01	7.61E-01
2383	494911.06	3860151.99	1.44172	5.24E-01	5.89E-01	7.30E-01
2384	494961.06	3860151.99	1.41367	5.14E-01	5.77E-01	7.16E-01
2385	495011.06	3860151.99	1.38291	5.03E-01	5.65E-01	7.00E-01
2386	495061.06	3860151.99	1.35316	4.92E-01	5.53E-01	6.85E-01
2387	495111.06	3860151.99	1.32908	4.83E-01	5.43E-01	6.73E-01
2388	495161.06	3860151.99	1.30764	4.75E-01	5.34E-01	6.62E-01
2389	495211.06	3860151.99	1.28244	4.66E-01	5.24E-01	6.50E-01
2390	495261.06	3860151.99	1.26286	4.59E-01	5.16E-01	6.40E-01

2391	495311.06	3860151.99	1.2425	4.52E-01	5.08E-01	6.29E-01
2392	495361.06	3860151.99	1.22392	4.45E-01	5.00E-01	6.20E-01
2393	495411.06	3860151.99	1.20157	4.37E-01	4.91E-01	6.09E-01
2394	495461.06	3860151.99	1.18037	4.29E-01	4.82E-01	5.98E-01
2395	495511.06	3860151.99	1.15435	4.20E-01	4.72E-01	5.85E-01
2396	495561.06	3860151.99	1.13679	4.13E-01	4.64E-01	5.76E-01
2397	495611.06	3860151.99	1.11196	4.04E-01	4.54E-01	5.63E-01
2398	495661.06	3860151.99	1.08476	3.94E-01	4.43E-01	5.49E-01
2399	495718.25	3859442.96	0.68587	2.49E-01	2.80E-01	3.47E-01
2400	495818.25	3859442.96	0.67281	2.45E-01	2.75E-01	3.41E-01
2401	495918.25	3859442.96	0.65705	2.39E-01	2.68E-01	3.33E-01
2402	496018.25	3859442.96	0.63742	2.32E-01	2.60E-01	3.23E-01
2403	496118.25	3859442.96	0.62176	2.26E-01	2.54E-01	3.15E-01
2404	496218.25	3859442.96	0.61746	2.24E-01	2.52E-01	3.13E-01
2405	496318.25	3859442.96	0.63004	2.29E-01	2.57E-01	3.19E-01
2406	496418.25	3859442.96	0.64532	2.35E-01	2.64E-01	3.27E-01
2407	495718.25	3859542.96	0.68926	2.51E-01	2.82E-01	3.49E-01
2408	495818.25	3859542.96	0.68688	2.50E-01	2.81E-01	3.48E-01
2409	495918.25	3859542.96	0.67864	2.47E-01	2.77E-01	3.44E-01
2410	496018.25	3859542.96	0.66678	2.42E-01	2.72E-01	3.38E-01
2411	496118.25	3859542.96	0.65786	2.39E-01	2.69E-01	3.33E-01
2412	496218.25	3859542.96	0.6429	2.34E-01	2.63E-01	3.26E-01
2413	496318.25	3859542.96	0.62311	2.27E-01	2.55E-01	3.16E-01
2414	496418.25	3859542.96	0.62296	2.26E-01	2.54E-01	3.16E-01
2415	495718.25	3859642.96	0.69663	2.53E-01	2.85E-01	3.53E-01
2416	495818.25	3859642.96	0.66892	2.43E-01	2.73E-01	3.39E-01
2417	495918.25	3859642.96	0.66798	2.43E-01	2.73E-01	3.38E-01
2418	496018.25	3859642.96	0.6645	2.42E-01	2.71E-01	3.37E-01
2419	496118.25	3859642.96	0.66255	2.41E-01	2.71E-01	3.36E-01
2420	496218.25	3859642.96	0.65604	2.39E-01	2.68E-01	3.32E-01
2421	496318.25	3859642.96	0.64102	2.33E-01	2.62E-01	3.25E-01
2422	496418.25	3859642.96	0.61589	2.24E-01	2.52E-01	3.12E-01
2423	495718.25	3859742.96	0.73883	2.69E-01	3.02E-01	3.74E-01
2424	495818.25	3859742.96	0.71734	2.61E-01	2.93E-01	3.63E-01
2425	495918.25	3859742.96	0.69434	2.52E-01	2.84E-01	3.52E-01
2426	496018.25	3859742.96	0.667	2.42E-01	2.72E-01	3.38E-01
2427	496118.25	3859742.96	0.65268	2.37E-01	2.67E-01	3.31E-01
2428	496218.25	3859742.96	0.65578	2.38E-01	2.68E-01	3.32E-01
2429	496318.25	3859742.96	0.63872	2.32E-01	2.61E-01	3.24E-01
2430	496418.25	3859742.96	0.61562	2.24E-01	2.51E-01	3.12E-01
2431	495718.25	3859842.96	0.75348	2.74E-01	3.08E-01	3.82E-01
2432	495818.25	3859842.96	0.73946	2.69E-01	3.02E-01	3.75E-01
2433	495918.25	3859842.96	0.72208	2.63E-01	2.95E-01	3.66E-01
2434	496018.25	3859842.96	0.70306	2.56E-01	2.87E-01	3.56E-01
2435	496118.25	3859842.96	0.70711	2.57E-01	2.89E-01	3.58E-01
2436	496218.25	3859842.96	0.65571	2.38E-01	2.68E-01	3.32E-01
2437	496318.25	3859842.96	0.6134	2.23E-01	2.51E-01	3.11E-01
2438	496418.25	3859842.96	0.60736	2.21E-01	2.48E-01	3.08E-01
2439	495718.25	3859942.96	0.81645	2.97E-01	3.34E-01	4.14E-01
2440	495818.25	3859942.96	0.77991	2.84E-01	3.19E-01	3.95E-01
2441	495918.25	3859942.96	0.76592	2.78E-01	3.13E-01	3.88E-01
2442	496018.25	3859942.96	0.78711	2.86E-01	3.22E-01	3.99E-01
2443	496118.25	3859942.96	0.73079	2.66E-01	2.99E-01	3.70E-01
2444	496218.25	3859942.96	0.65941	2.40E-01	2.69E-01	3.34E-01
2445	496318.25	3859942.96	0.63621	2.31E-01	2.60E-01	3.22E-01
2446	496418.25	3859942.96	0.60301	2.19E-01	2.46E-01	3.05E-01
2447	496856.82	3858864.83	0.44896	1.63E-01	1.83E-01	2.27E-01
2448	496956.82	3858864.83	0.43821	1.59E-01	1.79E-01	2.22E-01
2449	497056.82	3858864.83	0.42376	1.54E-01	1.73E-01	2.15E-01
2450	497156.82	3858864.83	0.40311	1.47E-01	1.65E-01	2.04E-01
2451	497256.82	3858864.83	0.40442	1.47E-01	1.65E-01	2.05E-01
2452	496856.82	3858964.83	0.47709	1.73E-01	1.95E-01	2.42E-01
2453	496956.82	3858964.83	0.46739	1.70E-01	1.91E-01	2.37E-01

2454	497056.82	3858964.83	0.46064	1.67E-01	1.88E-01	2.33E-01
2455	497156.82	3858964.83	0.44922	1.63E-01	1.84E-01	2.28E-01
2456	497256.82	3858964.83	0.44842	1.63E-01	1.83E-01	2.27E-01
2457	496856.82	3859064.83	0.58532	2.13E-01	2.39E-01	2.96E-01
2458	496956.82	3859064.83	0.53521	1.95E-01	2.19E-01	2.71E-01
2459	497056.82	3859064.83	0.48275	1.76E-01	1.97E-01	2.45E-01
2460	497156.82	3859064.83	0.47614	1.73E-01	1.95E-01	2.41E-01
2461	497256.82	3859064.83	0.48742	1.77E-01	1.99E-01	2.47E-01
2462	496856.82	3859164.83	0.66122	2.40E-01	2.70E-01	3.35E-01
2463	496956.82	3859164.83	0.6248	2.27E-01	2.55E-01	3.16E-01
2464	497056.82	3859164.83	0.58554	2.13E-01	2.39E-01	2.97E-01
2465	497156.82	3859164.83	0.54557	1.98E-01	2.23E-01	2.76E-01
2466	497256.82	3859164.83	0.50671	1.84E-01	2.07E-01	2.57E-01
2467	496856.82	3859264.83	0.69651	2.53E-01	2.85E-01	3.53E-01
2468	496956.82	3859264.83	0.68415	2.49E-01	2.79E-01	3.47E-01
2469	497056.82	3859264.83	0.66512	2.42E-01	2.72E-01	3.37E-01
2470	497156.82	3859264.83	0.63689	2.32E-01	2.60E-01	3.23E-01
2471	497256.82	3859264.83	0.60382	2.20E-01	2.47E-01	3.06E-01
2472	497088.92	3858620.93	0.39135	1.42E-01	1.60E-01	1.98E-01
2473	497138.92	3858620.93	0.39497	1.44E-01	1.61E-01	2.00E-01
2474	497188.92	3858620.93	0.39377	1.43E-01	1.61E-01	1.99E-01
2475	497238.92	3858620.93	0.39432	1.43E-01	1.61E-01	2.00E-01
2476	497088.92	3858670.93	0.38726	1.41E-01	1.58E-01	1.96E-01
2477	497138.92	3858670.93	0.39471	1.43E-01	1.61E-01	2.00E-01
2478	497188.92	3858670.93	0.39498	1.44E-01	1.61E-01	2.00E-01
2479	497238.92	3858670.93	0.3984	1.45E-01	1.63E-01	2.02E-01
2480	497088.92	3858720.93	0.39315	1.43E-01	1.61E-01	1.99E-01
2481	497138.92	3858720.93	0.3867	1.41E-01	1.58E-01	1.96E-01
2482	497188.92	3858720.93	0.3896	1.42E-01	1.59E-01	1.97E-01
2483	497238.92	3858720.93	0.40125	1.46E-01	1.64E-01	2.03E-01
2484	497088.92	3858770.93	0.38948	1.42E-01	1.59E-01	1.97E-01
2485	497138.92	3858770.93	0.39067	1.42E-01	1.60E-01	1.98E-01
2486	497188.92	3858770.93	0.39419	1.43E-01	1.61E-01	2.00E-01
2487	497238.92	3858770.93	0.40214	1.46E-01	1.64E-01	2.04E-01
2488	497396.65	3858622.63	0.4371	1.59E-01	1.79E-01	2.21E-01
2489	497496.65	3858622.63	0.45871	1.67E-01	1.87E-01	2.32E-01
2490	497596.65	3858622.63	0.48413	1.76E-01	1.98E-01	2.45E-01
2491	497696.65	3858622.63	0.4899	1.78E-01	2.00E-01	2.48E-01
2492	497796.65	3858622.63	0.49589	1.80E-01	2.03E-01	2.51E-01
2493	497896.65	3858622.63	0.49589	1.80E-01	2.03E-01	2.51E-01
2494	497396.65	3858722.63	0.43462	1.58E-01	1.78E-01	2.20E-01
2495	497496.65	3858722.63	0.45972	1.67E-01	1.88E-01	2.33E-01
2496	497596.65	3858722.63	0.4894	1.78E-01	2.00E-01	2.48E-01
2497	497696.65	3858722.63	0.50597	1.84E-01	2.07E-01	2.56E-01
2498	497796.65	3858722.63	0.51366	1.87E-01	2.10E-01	2.60E-01
2499	497896.65	3858722.63	0.51821	1.88E-01	2.12E-01	2.62E-01
2500	497396.65	3858822.63	0.43528	1.58E-01	1.78E-01	2.20E-01
2501	497496.65	3858822.63	0.45029	1.64E-01	1.84E-01	2.28E-01
2502	497596.65	3858822.63	0.47366	1.72E-01	1.93E-01	2.40E-01
2503	497696.65	3858822.63	0.49451	1.80E-01	2.02E-01	2.50E-01
2504	497796.65	3858822.63	0.50914	1.85E-01	2.08E-01	2.58E-01
2505	497896.65	3858822.63	0.52381	1.90E-01	2.14E-01	2.65E-01
2506	497396.65	3858922.63	0.43308	1.57E-01	1.77E-01	2.19E-01
2507	497496.65	3858922.63	0.45357	1.65E-01	1.85E-01	2.30E-01
2508	497596.65	3858922.63	0.46127	1.68E-01	1.88E-01	2.34E-01
2509	497696.65	3858922.63	0.47872	1.74E-01	1.96E-01	2.42E-01
2510	497796.65	3858922.63	0.49311	1.79E-01	2.01E-01	2.50E-01
2511	497896.65	3858922.63	0.51242	1.86E-01	2.09E-01	2.60E-01
2512	497364.44	3858201.52	0.30857	1.12E-01	1.26E-01	1.56E-01
2513	497414.44	3858201.52	0.33315	1.21E-01	1.36E-01	1.69E-01
2514	497464.44	3858201.52	0.35831	1.30E-01	1.46E-01	1.81E-01
2515	497514.44	3858201.52	0.37936	1.38E-01	1.55E-01	1.92E-01
2516	497564.44	3858201.52	0.39113	1.42E-01	1.60E-01	1.98E-01

2517	497614.44	3858201.52	0.40829	1.48E-01	1.67E-01	2.07E-01
2518	497364.44	3858251.52	0.33723	1.23E-01	1.38E-01	1.71E-01
2519	497414.44	3858251.52	0.33868	1.23E-01	1.38E-01	1.72E-01
2520	497464.44	3858251.52	0.33806	1.23E-01	1.38E-01	1.71E-01
2521	497514.44	3858251.52	0.34567	1.26E-01	1.41E-01	1.75E-01
2522	497564.44	3858251.52	0.3594	1.31E-01	1.47E-01	1.82E-01
2523	497614.44	3858251.52	0.37277	1.36E-01	1.52E-01	1.89E-01
2524	497364.44	3858301.52	0.36216	1.32E-01	1.48E-01	1.83E-01
2525	497414.44	3858301.52	0.36138	1.31E-01	1.48E-01	1.83E-01
2526	497464.44	3858301.52	0.34886	1.27E-01	1.43E-01	1.77E-01
2527	497514.44	3858301.52	0.33809	1.23E-01	1.38E-01	1.71E-01
2528	497564.44	3858301.52	0.32607	1.19E-01	1.33E-01	1.65E-01
2529	497614.44	3858301.52	0.33961	1.23E-01	1.39E-01	1.72E-01
2530	497364.44	3858351.52	0.38499	1.40E-01	1.57E-01	1.95E-01
2531	497414.44	3858351.52	0.37677	1.37E-01	1.54E-01	1.91E-01
2532	497464.44	3858351.52	0.37043	1.35E-01	1.51E-01	1.88E-01
2533	497514.44	3858351.52	0.36163	1.31E-01	1.48E-01	1.83E-01
2534	497564.44	3858351.52	0.34747	1.26E-01	1.42E-01	1.76E-01
2535	497614.44	3858351.52	0.33918	1.23E-01	1.39E-01	1.72E-01
2536	497364.44	3858401.52	0.3946	1.43E-01	1.61E-01	2.00E-01
2537	497414.44	3858401.52	0.39154	1.42E-01	1.60E-01	1.98E-01
2538	497464.44	3858401.52	0.38377	1.40E-01	1.57E-01	1.94E-01
2539	497514.44	3858401.52	0.37749	1.37E-01	1.54E-01	1.91E-01
2540	497564.44	3858401.52	0.37908	1.38E-01	1.55E-01	1.92E-01
2541	497614.44	3858401.52	0.37948	1.38E-01	1.55E-01	1.92E-01
2542	493478.11	3860497.94	2.54776	9.26E-01	1.04E+00	1.29E+00
2543	493528.11	3860497.94	2.49389	9.07E-01	1.02E+00	1.26E+00
2544	493478.11	3860547.94	2.47713	9.01E-01	1.01E+00	1.25E+00
2545	493528.11	3860547.94	2.43397	8.85E-01	9.94E-01	1.23E+00
2546	493478.11	3860597.94	2.35952	8.58E-01	9.64E-01	1.20E+00
2547	493528.11	3860597.94	2.30909	8.39E-01	9.43E-01	1.17E+00
2548	493561.88	3860524.64	2.43137	8.84E-01	9.93E-01	1.23E+00
2549	493591.88	3860524.64	2.40722	8.75E-01	9.83E-01	1.22E+00
2550	493561.88	3860554.64	2.3885	8.68E-01	9.76E-01	1.21E+00
2551	493591.88	3860554.64	2.36704	8.61E-01	9.67E-01	1.20E+00
2552	492880.5	3860293.11	3.27211	1.19E+00	1.34E+00	1.66E+00
2553	492930.5	3860293.11	3.14459	1.14E+00	1.28E+00	1.59E+00
2554	492980.5	3860293.11	3.06664	1.11E+00	1.25E+00	1.55E+00
2555	493030.5	3860293.11	3.08196	1.12E+00	1.26E+00	1.56E+00
2556	493080.5	3860293.11	2.90575	1.06E+00	1.19E+00	1.47E+00
2557	493130.5	3860293.11	2.91912	1.06E+00	1.19E+00	1.48E+00
2558	493180.5	3860293.11	2.87414	1.04E+00	1.17E+00	1.46E+00
2559	493230.5	3860293.11	2.80307	1.02E+00	1.15E+00	1.42E+00
2560	493280.5	3860293.11	2.73729	9.95E-01	1.12E+00	1.39E+00
2561	493330.5	3860293.11	2.66281	9.68E-01	1.09E+00	1.35E+00
2562	493380.5	3860293.11	2.60116	9.46E-01	1.06E+00	1.32E+00
2563	492880.5	3860343.11	3.32714	1.21E+00	1.36E+00	1.69E+00
2564	492930.5	3860343.11	3.20973	1.17E+00	1.31E+00	1.63E+00
2565	492980.5	3860343.11	3.11711	1.13E+00	1.27E+00	1.58E+00
2566	493030.5	3860343.11	3.0423	1.11E+00	1.24E+00	1.54E+00
2567	493080.5	3860343.11	2.97858	1.08E+00	1.22E+00	1.51E+00
2568	493130.5	3860343.11	2.96725	1.08E+00	1.21E+00	1.50E+00
2569	493180.5	3860343.11	2.85576	1.04E+00	1.17E+00	1.45E+00
2570	493230.5	3860343.11	2.79591	1.02E+00	1.14E+00	1.42E+00
2571	493280.5	3860343.11	2.80515	1.02E+00	1.15E+00	1.42E+00
2572	493330.5	3860343.11	2.73435	9.94E-01	1.12E+00	1.38E+00
2573	493380.5	3860343.11	2.6718	9.71E-01	1.09E+00	1.35E+00
2574	492880.5	3860393.11	3.46552	1.26E+00	1.42E+00	1.76E+00
2575	492930.5	3860393.11	3.32632	1.21E+00	1.36E+00	1.68E+00
2576	492980.5	3860393.11	3.17372	1.15E+00	1.30E+00	1.61E+00
2577	493030.5	3860393.11	3.0873	1.12E+00	1.26E+00	1.56E+00
2578	493080.5	3860393.11	2.9992	1.09E+00	1.23E+00	1.52E+00
2579	493130.5	3860393.11	2.94884	1.07E+00	1.20E+00	1.49E+00

2580	493180.5	3860393.11	2.89911	1.05E+00	1.18E+00	1.47E+00
2581	493230.5	3860393.11	2.83652	1.03E+00	1.16E+00	1.44E+00
2582	493280.5	3860393.11	2.7741	1.01E+00	1.13E+00	1.41E+00
2583	493330.5	3860393.11	2.72101	9.89E-01	1.11E+00	1.38E+00
2584	493380.5	3860393.11	2.67181	9.71E-01	1.09E+00	1.35E+00
2585	492880.5	3860443.11	3.56989	1.30E+00	1.46E+00	1.81E+00
2586	492930.5	3860443.11	3.42919	1.25E+00	1.40E+00	1.74E+00
2587	492980.5	3860443.11	3.31188	1.20E+00	1.35E+00	1.68E+00
2588	493030.5	3860443.11	3.16537	1.15E+00	1.29E+00	1.60E+00
2589	493080.5	3860443.11	3.0348	1.10E+00	1.24E+00	1.54E+00
2590	493130.5	3860443.11	2.97725	1.08E+00	1.22E+00	1.51E+00
2591	493180.5	3860443.11	2.90968	1.06E+00	1.19E+00	1.47E+00
2592	493230.5	3860443.11	2.8494	1.04E+00	1.16E+00	1.44E+00
2593	493280.5	3860443.11	2.78461	1.01E+00	1.14E+00	1.41E+00
2594	493330.5	3860443.11	2.71727	9.88E-01	1.11E+00	1.38E+00
2595	493380.5	3860443.11	2.66661	9.69E-01	1.09E+00	1.35E+00
2596	493180.5	3860493.11	2.92487	1.06E+00	1.19E+00	1.48E+00
2597	493230.5	3860493.11	2.81617	1.02E+00	1.15E+00	1.43E+00
2598	493280.5	3860493.11	2.7611	1.00E+00	1.13E+00	1.40E+00
2599	493330.5	3860493.11	2.69849	9.81E-01	1.10E+00	1.37E+00
2600	493380.5	3860493.11	2.64932	9.63E-01	1.08E+00	1.34E+00
2601	493330.5	3860543.11	2.62083	9.53E-01	1.07E+00	1.33E+00
2602	493380.5	3860543.11	2.57676	9.37E-01	1.05E+00	1.31E+00
2603	494135.94	3860876.85	1.5831	5.76E-01	6.47E-01	8.02E-01
2604	494185.94	3860876.85	1.58691	5.77E-01	6.48E-01	8.04E-01
2605	494135.94	3860926.85	1.5308	5.57E-01	6.25E-01	7.75E-01
2606	494185.94	3860926.85	1.50697	5.48E-01	6.16E-01	7.63E-01
2607	494135.94	3860976.85	1.49161	5.42E-01	6.09E-01	7.56E-01
2608	494185.94	3860976.85	1.47116	5.35E-01	6.01E-01	7.45E-01
2609	494135.94	3861026.85	1.51851	5.52E-01	6.20E-01	7.69E-01
2610	494185.94	3861026.85	1.46161	5.31E-01	5.97E-01	7.40E-01
2611	494135.94	3861076.85	1.57319	5.72E-01	6.43E-01	7.97E-01
2612	494185.94	3861076.85	1.5214	5.53E-01	6.22E-01	7.71E-01
2613	490360.04	3858710.04	1.85914	6.76E-01	7.59E-01	9.42E-01
2614	490410.04	3858710.04	1.79515	6.53E-01	7.33E-01	9.09E-01
2615	490460.04	3858710.04	1.69479	6.16E-01	6.92E-01	8.58E-01
2616	490510.04	3858710.04	1.63352	5.94E-01	6.67E-01	8.27E-01
2617	490560.04	3858710.04	1.58872	5.78E-01	6.49E-01	8.05E-01
2618	490610.04	3858710.04	1.55803	5.66E-01	6.36E-01	7.89E-01
2619	490660.04	3858710.04	1.55171	5.64E-01	6.34E-01	7.86E-01
2620	490710.04	3858710.04	1.51158	5.50E-01	6.17E-01	7.66E-01
2621	490760.04	3858710.04	1.47322	5.36E-01	6.02E-01	7.46E-01
2622	490810.04	3858710.04	1.43307	5.21E-01	5.85E-01	7.26E-01
2623	490860.04	3858710.04	1.37353	4.99E-01	5.61E-01	6.96E-01
2624	490360.04	3858760.04	1.92891	7.01E-01	7.88E-01	9.77E-01
2625	490410.04	3858760.04	1.84551	6.71E-01	7.54E-01	9.35E-01
2626	490460.04	3858760.04	1.78017	6.47E-01	7.27E-01	9.02E-01
2627	490510.04	3858760.04	1.71323	6.23E-01	7.00E-01	8.68E-01
2628	490560.04	3858760.04	1.6689	6.07E-01	6.82E-01	8.45E-01
2629	490610.04	3858760.04	1.62454	5.91E-01	6.64E-01	8.23E-01
2630	490660.04	3858760.04	1.58403	5.76E-01	6.47E-01	8.02E-01
2631	490710.04	3858760.04	1.54023	5.60E-01	6.29E-01	7.80E-01
2632	490760.04	3858760.04	1.48293	5.39E-01	6.06E-01	7.51E-01
2633	490810.04	3858760.04	1.43039	5.20E-01	5.84E-01	7.25E-01
2634	490860.04	3858760.04	1.38704	5.04E-01	5.67E-01	7.03E-01
2635	490360.04	3858810.04	2.12963	7.74E-01	8.70E-01	1.08E+00
2636	490410.04	3858810.04	2.04072	7.42E-01	8.34E-01	1.03E+00
2637	490460.04	3858810.04	1.94495	7.07E-01	7.95E-01	9.85E-01
2638	490510.04	3858810.04	1.87941	6.83E-01	7.68E-01	9.52E-01
2639	490560.04	3858810.04	1.80581	6.57E-01	7.38E-01	9.15E-01
2640	490610.04	3858810.04	1.69727	6.17E-01	6.93E-01	8.60E-01
2641	490660.04	3858810.04	1.61842	5.88E-01	6.61E-01	8.20E-01
2642	490710.04	3858810.04	1.54592	5.62E-01	6.32E-01	7.83E-01

2643	490760.04	3858810.04	1.4566	5.30E-01	5.95E-01	7.38E-01
2644	490810.04	3858810.04	1.43214	5.21E-01	5.85E-01	7.25E-01
2645	490860.04	3858810.04	1.37333	4.99E-01	5.61E-01	6.96E-01
2646	490360.04	3858860.04	2.44079	8.87E-01	9.97E-01	1.24E+00
2647	490410.04	3858860.04	2.38309	8.66E-01	9.74E-01	1.21E+00
2648	490460.04	3858860.04	2.24315	8.16E-01	9.16E-01	1.14E+00
2649	490510.04	3858860.04	2.19261	7.97E-01	8.96E-01	1.11E+00
2650	490560.04	3858860.04	2.07228	7.53E-01	8.47E-01	1.05E+00
2651	490610.04	3858860.04	1.90009	6.91E-01	7.76E-01	9.62E-01
2652	490660.04	3858860.04	1.80499	6.56E-01	7.37E-01	9.14E-01
2653	490710.04	3858860.04	1.7416	6.33E-01	7.11E-01	8.82E-01
2654	490760.04	3858860.04	1.60055	5.82E-01	6.54E-01	8.11E-01
2655	490810.04	3858860.04	1.47892	5.38E-01	6.04E-01	7.49E-01
2656	490860.04	3858860.04	1.35818	4.94E-01	5.55E-01	6.88E-01
2657	490360.04	3858910.04	2.94058	1.07E+00	1.20E+00	1.49E+00
2658	490410.04	3858910.04	2.81215	1.02E+00	1.15E+00	1.42E+00
2659	490460.04	3858910.04	2.66918	9.70E-01	1.09E+00	1.35E+00
2660	490510.04	3858910.04	2.51118	9.13E-01	1.03E+00	1.27E+00
2661	490560.04	3858910.04	2.3379	8.50E-01	9.55E-01	1.18E+00
2662	490610.04	3858910.04	2.16399	7.87E-01	8.84E-01	1.10E+00
2663	490660.04	3858910.04	2.03767	7.41E-01	8.32E-01	1.03E+00
2664	490710.04	3858910.04	1.88649	6.86E-01	7.71E-01	9.56E-01
2665	490760.04	3858910.04	1.70723	6.21E-01	6.97E-01	8.65E-01
2666	490810.04	3858910.04	1.59924	5.81E-01	6.53E-01	8.10E-01
2667	490860.04	3858910.04	1.43491	5.22E-01	5.86E-01	7.27E-01
2668	490360.04	3858960.04	3.38868	1.23E+00	1.38E+00	1.72E+00
2669	490410.04	3858960.04	3.19699	1.16E+00	1.31E+00	1.62E+00
2670	490460.04	3858960.04	2.98392	1.08E+00	1.22E+00	1.51E+00
2671	490510.04	3858960.04	2.79758	1.02E+00	1.14E+00	1.42E+00
2672	490560.04	3858960.04	2.6147	9.51E-01	1.07E+00	1.32E+00
2673	490610.04	3858960.04	2.36868	8.61E-01	9.68E-01	1.20E+00
2674	490660.04	3858960.04	2.27997	8.29E-01	9.31E-01	1.15E+00
2675	490710.04	3858960.04	2.05385	7.47E-01	8.39E-01	1.04E+00
2676	490760.04	3858960.04	1.87289	6.81E-01	7.65E-01	9.49E-01
2677	490810.04	3858960.04	1.69872	6.18E-01	6.94E-01	8.60E-01
2678	490860.04	3858960.04	1.50193	5.46E-01	6.14E-01	7.61E-01
2679	490360.04	3859010.04	3.77593	1.37E+00	1.54E+00	1.91E+00
2680	490410.04	3859010.04	3.52037	1.28E+00	1.44E+00	1.78E+00
2681	490460.04	3859010.04	3.20562	1.17E+00	1.31E+00	1.62E+00
2682	490510.04	3859010.04	2.90801	1.06E+00	1.19E+00	1.47E+00
2683	490560.04	3859010.04	2.77189	1.01E+00	1.13E+00	1.40E+00
2684	490610.04	3859010.04	2.50099	9.09E-01	1.02E+00	1.27E+00
2685	490660.04	3859010.04	2.4117	8.77E-01	9.85E-01	1.22E+00
2686	490710.04	3859010.04	2.14872	7.81E-01	8.78E-01	1.09E+00
2687	490760.04	3859010.04	1.93347	7.03E-01	7.90E-01	9.79E-01
2688	490810.04	3859010.04	1.72914	6.29E-01	7.06E-01	8.76E-01
2689	490860.04	3859010.04	1.56206	5.68E-01	6.38E-01	7.91E-01
2690	490360.04	3859060.04	4.01721	1.46E+00	1.64E+00	2.03E+00
2691	490410.04	3859060.04	3.60921	1.31E+00	1.47E+00	1.83E+00
2692	490460.04	3859060.04	3.29654	1.20E+00	1.35E+00	1.67E+00
2693	490510.04	3859060.04	3.03792	1.10E+00	1.24E+00	1.54E+00
2694	490560.04	3859060.04	2.72622	9.91E-01	1.11E+00	1.38E+00
2695	490610.04	3859060.04	2.55146	9.28E-01	1.04E+00	1.29E+00
2696	490660.04	3859060.04	2.39812	8.72E-01	9.80E-01	1.21E+00
2697	490710.04	3859060.04	2.11957	7.71E-01	8.66E-01	1.07E+00
2698	490760.04	3859060.04	1.89428	6.89E-01	7.74E-01	9.59E-01
2699	490810.04	3859060.04	1.68011	6.11E-01	6.86E-01	8.51E-01
2700	490860.04	3859060.04	1.50908	5.49E-01	6.16E-01	7.64E-01
2701	490360.04	3859110.04	4.25758	1.55E+00	1.74E+00	2.16E+00
2702	490410.04	3859110.04	3.79596	1.38E+00	1.55E+00	1.92E+00
2703	490460.04	3859110.04	3.5075	1.28E+00	1.43E+00	1.78E+00
2704	490510.04	3859110.04	2.98161	1.08E+00	1.22E+00	1.51E+00
2705	490560.04	3859110.04	2.7034	9.83E-01	1.10E+00	1.37E+00

2706	490610.04	3859110.04	2.41303	8.77E-01	9.86E-01	1.22E+00
2707	490660.04	3859110.04	2.10937	7.67E-01	8.62E-01	1.07E+00
2708	490710.04	3859110.04	1.96094	7.13E-01	8.01E-01	9.93E-01
2709	490760.04	3859110.04	1.76519	6.42E-01	7.21E-01	8.94E-01
2710	490810.04	3859110.04	1.54316	5.61E-01	6.30E-01	7.82E-01
2711	490860.04	3859110.04	1.35534	4.93E-01	5.54E-01	6.86E-01
2712	490360.04	3859160.04	4.54422	1.65E+00	1.86E+00	2.30E+00
2713	490410.04	3859160.04	4.05013	1.47E+00	1.65E+00	2.05E+00
2714	490460.04	3859160.04	3.62742	1.32E+00	1.48E+00	1.84E+00
2715	490510.04	3859160.04	3.21426	1.17E+00	1.31E+00	1.63E+00
2716	490560.04	3859160.04	2.74278	9.97E-01	1.12E+00	1.39E+00
2717	490610.04	3859160.04	2.48159	9.02E-01	1.01E+00	1.26E+00
2718	490660.04	3859160.04	1.95424	7.10E-01	7.98E-01	9.90E-01
2719	490710.04	3859160.04	1.79316	6.52E-01	7.33E-01	9.08E-01
2720	490760.04	3859160.04	1.50441	5.47E-01	6.15E-01	7.62E-01
2721	490810.04	3859160.04	1.37891	5.01E-01	5.63E-01	6.98E-01
2722	490860.04	3859160.04	1.24828	4.54E-01	5.10E-01	6.32E-01
2723	490360.04	3859210.04	4.85553	1.77E+00	1.98E+00	2.46E+00
2724	490410.04	3859210.04	4.531	1.65E+00	1.85E+00	2.30E+00
2725	490460.04	3859210.04	3.7477	1.36E+00	1.53E+00	1.90E+00
2726	490510.04	3859210.04	3.27738	1.19E+00	1.34E+00	1.66E+00
2727	490560.04	3859210.04	2.97674	1.08E+00	1.22E+00	1.51E+00
2728	490610.04	3859210.04	2.57682	9.37E-01	1.05E+00	1.31E+00
2729	490660.04	3859210.04	2.01065	7.31E-01	8.21E-01	1.02E+00
2730	490710.04	3859210.04	1.6912	6.15E-01	6.91E-01	8.57E-01
2731	490760.04	3859210.04	1.51037	5.49E-01	6.17E-01	7.65E-01
2732	490810.04	3859210.04	1.48579	5.40E-01	6.07E-01	7.53E-01
2733	490860.04	3859210.04	1.44886	5.27E-01	5.92E-01	7.34E-01
2734	490360.04	3859260.04	5.07696	1.85E+00	2.07E+00	2.57E+00
2735	490410.04	3859260.04	4.61982	1.68E+00	1.89E+00	2.34E+00
2736	490460.04	3859260.04	4.27765	1.56E+00	1.75E+00	2.17E+00
2737	490510.04	3859260.04	3.88012	1.41E+00	1.59E+00	1.97E+00
2738	490560.04	3859260.04	3.43501	1.25E+00	1.40E+00	1.74E+00
2739	490610.04	3859260.04	2.78581	1.01E+00	1.14E+00	1.41E+00
2740	490660.04	3859260.04	2.69181	9.79E-01	1.10E+00	1.36E+00
2741	490710.04	3859260.04	2.29048	8.33E-01	9.36E-01	1.16E+00
2742	490760.04	3859260.04	1.96272	7.14E-01	8.02E-01	9.94E-01
2743	490810.04	3859260.04	1.87029	6.80E-01	7.64E-01	9.47E-01
2744	490860.04	3859260.04	1.77879	6.47E-01	7.27E-01	9.01E-01
2745	490360.04	3859310.04	5.62445	2.04E+00	2.30E+00	2.85E+00
2746	490410.04	3859310.04	5.09783	1.85E+00	2.08E+00	2.58E+00
2747	490460.04	3859310.04	4.657	1.69E+00	1.90E+00	2.36E+00
2748	490510.04	3859310.04	4.35507	1.58E+00	1.78E+00	2.21E+00
2749	490560.04	3859310.04	4.02483	1.46E+00	1.64E+00	2.04E+00
2750	490610.04	3859310.04	3.77372	1.37E+00	1.54E+00	1.91E+00
2751	490660.04	3859310.04	3.41807	1.24E+00	1.40E+00	1.73E+00
2752	490710.04	3859310.04	2.76603	1.01E+00	1.13E+00	1.40E+00
2753	490760.04	3859310.04	2.45524	8.93E-01	1.00E+00	1.24E+00
2754	490810.04	3859310.04	2.30964	8.40E-01	9.44E-01	1.17E+00
2755	490860.04	3859310.04	2.07115	7.53E-01	8.46E-01	1.05E+00
2756	490360.04	3859360.04	6.29104	2.29E+00	2.57E+00	3.19E+00
2757	490410.04	3859360.04	5.85536	2.13E+00	2.39E+00	2.97E+00
2758	490460.04	3859360.04	5.48526	1.99E+00	2.24E+00	2.78E+00
2759	490510.04	3859360.04	5.123	1.86E+00	2.09E+00	2.59E+00
2760	490560.04	3859360.04	4.62005	1.68E+00	1.89E+00	2.34E+00
2761	490610.04	3859360.04	4.16795	1.52E+00	1.70E+00	2.11E+00
2762	490660.04	3859360.04	3.82524	1.39E+00	1.56E+00	1.94E+00
2763	490710.04	3859360.04	3.33088	1.21E+00	1.36E+00	1.69E+00
2764	490760.04	3859360.04	2.8519	1.04E+00	1.17E+00	1.44E+00
2765	490810.04	3859360.04	2.77675	1.01E+00	1.13E+00	1.41E+00
2766	490860.04	3859360.04	2.53155	9.20E-01	1.03E+00	1.28E+00
2767	490360.04	3859410.04	7.09507	2.58E+00	2.90E+00	3.59E+00
2768	490410.04	3859410.04	6.67488	2.43E+00	2.73E+00	3.38E+00

2769	490460.04	3859410.04	6.25325	2.27E+00	2.55E+00	3.17E+00
2770	490510.04	3859410.04	5.82384	2.12E+00	2.38E+00	2.95E+00
2771	490560.04	3859410.04	5.41333	1.97E+00	2.21E+00	2.74E+00
2772	490610.04	3859410.04	5.00564	1.82E+00	2.04E+00	2.54E+00
2773	490660.04	3859410.04	4.32298	1.57E+00	1.77E+00	2.19E+00
2774	490710.04	3859410.04	3.797	1.38E+00	1.55E+00	1.92E+00
2775	490760.04	3859410.04	3.22563	1.17E+00	1.32E+00	1.63E+00
2776	490810.04	3859410.04	3.19247	1.16E+00	1.30E+00	1.62E+00
2777	490860.04	3859410.04	3.16009	1.15E+00	1.29E+00	1.60E+00
2778	490360.04	3859460.04	8.08789	2.94E+00	3.30E+00	4.10E+00
2779	490410.04	3859460.04	7.47279	2.72E+00	3.05E+00	3.79E+00
2780	490460.04	3859460.04	7.10874	2.58E+00	2.90E+00	3.60E+00
2781	490510.04	3859460.04	6.56312	2.39E+00	2.68E+00	3.32E+00
2782	490560.04	3859460.04	6.13439	2.23E+00	2.51E+00	3.11E+00
2783	490610.04	3859460.04	5.62473	2.04E+00	2.30E+00	2.85E+00
2784	490660.04	3859460.04	5.09095	1.85E+00	2.08E+00	2.58E+00
2785	490710.04	3859460.04	4.62196	1.68E+00	1.89E+00	2.34E+00
2786	490760.04	3859460.04	4.25886	1.55E+00	1.74E+00	2.16E+00
2787	490810.04	3859460.04	3.85757	1.40E+00	1.58E+00	1.95E+00
2788	490860.04	3859460.04	3.73457	1.36E+00	1.53E+00	1.89E+00
2789	490360.04	3859510.04	9.59679	3.49E+00	3.92E+00	4.86E+00
2790	490410.04	3859510.04	8.82268	3.21E+00	3.60E+00	4.47E+00
2791	490460.04	3859510.04	8.1066	2.95E+00	3.31E+00	4.11E+00
2792	490510.04	3859510.04	7.70063	2.80E+00	3.15E+00	3.90E+00
2793	490560.04	3859510.04	7.07041	2.57E+00	2.89E+00	3.58E+00
2794	490610.04	3859510.04	6.49479	2.36E+00	2.65E+00	3.29E+00
2795	490660.04	3859510.04	5.95312	2.16E+00	2.43E+00	3.02E+00
2796	490710.04	3859510.04	5.41747	1.97E+00	2.21E+00	2.74E+00
2797	490760.04	3859510.04	4.96036	1.80E+00	2.03E+00	2.51E+00
2798	490810.04	3859510.04	4.65347	1.69E+00	1.90E+00	2.36E+00
2799	490860.04	3859510.04	4.29537	1.56E+00	1.75E+00	2.18E+00
2800	490360.04	3859560.04	11.77796	4.28E+00	4.81E+00	5.97E+00
2801	490410.04	3859560.04	10.85009	3.94E+00	4.43E+00	5.50E+00
2802	490460.04	3859560.04	10.02145	3.64E+00	4.09E+00	5.08E+00
2803	490510.04	3859560.04	9.01613	3.28E+00	3.68E+00	4.57E+00
2804	490560.04	3859560.04	8.57339	3.12E+00	3.50E+00	4.34E+00
2805	490610.04	3859560.04	7.81555	2.84E+00	3.19E+00	3.96E+00
2806	490660.04	3859560.04	7.1101	2.58E+00	2.90E+00	3.60E+00
2807	490710.04	3859560.04	6.47271	2.35E+00	2.64E+00	3.28E+00
2808	490760.04	3859560.04	5.75459	2.09E+00	2.35E+00	2.91E+00
2809	490810.04	3859560.04	5.26683	1.91E+00	2.15E+00	2.67E+00
2810	490860.04	3859560.04	4.79575	1.74E+00	1.96E+00	2.43E+00
2811	490187.25	3859422.08	9.32348	3.39E+00	3.81E+00	4.72E+00
2812	490237.25	3859422.08	8.70224	3.16E+00	3.55E+00	4.41E+00
2813	490287.25	3859422.08	8.09917	2.94E+00	3.31E+00	4.10E+00
2814	490337.25	3859422.08	7.42138	2.70E+00	3.03E+00	3.76E+00
2815	490187.25	3859472.08	10.58347	3.85E+00	4.32E+00	5.36E+00
2816	490237.25	3859472.08	9.93891	3.61E+00	4.06E+00	5.03E+00
2817	490287.25	3859472.08	9.25046	3.36E+00	3.78E+00	4.69E+00
2818	490337.25	3859472.08	8.64648	3.14E+00	3.53E+00	4.38E+00
2819	490297.07	3859500.42	10.04465	3.65E+00	4.10E+00	5.09E+00
2820	490327.07	3859500.42	9.72456	3.54E+00	3.97E+00	4.93E+00
2821	490297.07	3859530.42	11.30621	4.11E+00	4.62E+00	5.73E+00
2822	490327.07	3859530.42	10.87452	3.95E+00	4.44E+00	5.51E+00
2823	490319.73	3859055.34	4.30844	1.57E+00	1.76E+00	2.18E+00
2824	490319.73	3859105.34	4.55706	1.66E+00	1.86E+00	2.31E+00
2825	490069.73	3859155.34	6.08086	2.21E+00	2.48E+00	3.08E+00
2826	490119.73	3859155.34	5.85985	2.13E+00	2.39E+00	2.97E+00
2827	490269.73	3859155.34	5.25925	1.91E+00	2.15E+00	2.66E+00
2828	490319.73	3859155.34	4.88242	1.78E+00	1.99E+00	2.47E+00
2829	490069.73	3859205.34	6.82262	2.48E+00	2.79E+00	3.46E+00
2830	490119.73	3859205.34	6.57288	2.39E+00	2.69E+00	3.33E+00
2831	490169.73	3859205.34	6.23204	2.27E+00	2.55E+00	3.16E+00

2832	490219.73	3859205.34	5.9481	2.16E+00	2.43E+00	3.01E+00
2833	490269.73	3859205.34	5.50129	2.00E+00	2.25E+00	2.79E+00
2834	490319.73	3859205.34	5.17373	1.88E+00	2.11E+00	2.62E+00
2835	490069.73	3859255.34	7.49121	2.72E+00	3.06E+00	3.79E+00
2836	490119.73	3859255.34	7.16183	2.60E+00	2.93E+00	3.63E+00
2837	490169.73	3859255.34	6.80661	2.47E+00	2.78E+00	3.45E+00
2838	490219.73	3859255.34	6.30002	2.29E+00	2.57E+00	3.19E+00
2839	490269.73	3859255.34	5.98834	2.18E+00	2.45E+00	3.03E+00
2840	490319.73	3859255.34	5.60445	2.04E+00	2.29E+00	2.84E+00
2841	490069.73	3859305.34	8.24889	3.00E+00	3.37E+00	4.18E+00
2842	490119.73	3859305.34	7.86797	2.86E+00	3.21E+00	3.99E+00
2843	490169.73	3859305.34	7.45026	2.71E+00	3.04E+00	3.77E+00
2844	490219.73	3859305.34	6.9681	2.53E+00	2.85E+00	3.53E+00
2845	490269.73	3859305.34	6.57088	2.39E+00	2.68E+00	3.33E+00
2846	490319.73	3859305.34	6.04334	2.20E+00	2.47E+00	3.06E+00
2847	490069.73	3859355.34	9.25705	3.37E+00	3.78E+00	4.69E+00
2848	490119.73	3859355.34	8.75419	3.18E+00	3.58E+00	4.43E+00
2849	490169.73	3859355.34	8.25121	3.00E+00	3.37E+00	4.18E+00
2850	490219.73	3859355.34	7.7109	2.80E+00	3.15E+00	3.91E+00
2851	490269.73	3859355.34	7.15094	2.60E+00	2.92E+00	3.62E+00
2852	490319.73	3859355.34	6.68581	2.43E+00	2.73E+00	3.39E+00
2853	490069.73	3859405.34	10.45202	3.80E+00	4.27E+00	5.29E+00
2854	490119.73	3859405.34	9.79378	3.56E+00	4.00E+00	4.96E+00
2855	490169.73	3859405.34	9.17963	3.34E+00	3.75E+00	4.65E+00
2856	490219.73	3859405.34	8.59592	3.13E+00	3.51E+00	4.35E+00
2857	490269.73	3859405.34	7.98139	2.90E+00	3.26E+00	4.04E+00
2858	490319.73	3859405.34	7.27785	2.65E+00	2.97E+00	3.69E+00
2859	490161.89	3859541.83	14.47654	5.26E+00	5.91E+00	7.33E+00
2860	490171.89	3859541.83	14.23799	5.18E+00	5.82E+00	7.21E+00
2861	490161.89	3859551.83	15.54312	5.65E+00	6.35E+00	7.87E+00
2862	490171.89	3859551.83	15.0579	5.47E+00	6.15E+00	7.63E+00
2863	489799.72	3859348.21	14.09415	5.12E+00	5.76E+00	7.14E+00
2864	489819.72	3859348.21	13.40897	4.87E+00	5.48E+00	6.79E+00
2865	489799.72	3859368.21	15.62948	5.68E+00	6.38E+00	7.92E+00
2866	489819.72	3859368.21	14.80239	5.38E+00	6.05E+00	7.50E+00
2867	489775.41	3859329.72	13.67673	4.97E+00	5.59E+00	6.93E+00
2868	489795.41	3859329.72	13.01997	4.73E+00	5.32E+00	6.59E+00
2869	489775.41	3859349.72	15.14764	5.51E+00	6.19E+00	7.67E+00
2870	489795.41	3859349.72	14.35994	5.22E+00	5.87E+00	7.27E+00
2871	489595.05	3859219.43	12.62935	4.59E+00	5.16E+00	6.40E+00
2872	489615.05	3859219.43	12.21044	4.44E+00	4.99E+00	6.18E+00
2873	489595.05	3859239.43	13.65927	4.97E+00	5.58E+00	6.92E+00
2874	489615.05	3859239.43	13.01849	4.73E+00	5.32E+00	6.59E+00
2875	489372.4	3859092.58	11.67618	4.24E+00	4.77E+00	5.91E+00
2876	489422.4	3859092.58	10.85573	3.95E+00	4.43E+00	5.50E+00
2877	489372.4	3859142.58	14.3751	5.23E+00	5.87E+00	7.28E+00
2878	489422.4	3859142.58	12.81807	4.66E+00	5.24E+00	6.49E+00
2879	488870.84	3858666.64	4.03145	1.47E+00	1.65E+00	2.04E+00
2880	488900.84	3858666.64	3.84788	1.40E+00	1.57E+00	1.95E+00
2881	488870.84	3858696.64	4.3983	1.60E+00	1.80E+00	2.23E+00
2882	488900.84	3858696.64	4.16579	1.51E+00	1.70E+00	2.11E+00
2883	488889.67	3858683.97	4.09963	1.49E+00	1.67E+00	2.08E+00
2884	488919.67	3858683.97	3.91091	1.42E+00	1.60E+00	1.98E+00
2885	488889.67	3858713.97	4.47828	1.63E+00	1.83E+00	2.27E+00
2886	488919.67	3858713.97	4.24973	1.55E+00	1.74E+00	2.15E+00
2887	488906.61	3858703.33	4.20399	1.53E+00	1.72E+00	2.13E+00
2888	488936.61	3858703.33	4.03684	1.47E+00	1.65E+00	2.04E+00
2889	488906.61	3858733.33	4.62683	1.68E+00	1.89E+00	2.34E+00
2890	488936.61	3858733.33	4.44795	1.62E+00	1.82E+00	2.25E+00
2891	488637.63	3858467.85	3.18549	1.16E+00	1.30E+00	1.61E+00
2892	488662.63	3858467.85	3.0613	1.11E+00	1.25E+00	1.55E+00
2893	488637.63	3858492.85	3.3938	1.23E+00	1.39E+00	1.72E+00
2894	488662.63	3858492.85	3.25376	1.18E+00	1.33E+00	1.65E+00

2895	488687.63	3858492.85	3.13542	1.14E+00	1.28E+00	1.59E+00
2896	488637.63	3858517.85	3.62095	1.32E+00	1.48E+00	1.83E+00
2897	488662.63	3858517.85	3.47135	1.26E+00	1.42E+00	1.76E+00
2898	488687.63	3858517.85	3.32929	1.21E+00	1.36E+00	1.69E+00
2899	488194.42	3857168.98	1.09852	3.99E-01	4.49E-01	5.56E-01
2900	488244.42	3857168.98	1.10296	4.01E-01	4.51E-01	5.59E-01
2901	488294.42	3857168.98	1.08824	3.96E-01	4.45E-01	5.51E-01
2902	488244.42	3857218.98	1.12619	4.09E-01	4.60E-01	5.70E-01
2903	488294.42	3857218.98	1.12505	4.09E-01	4.60E-01	5.70E-01
2904	488294.42	3857268.98	1.1534	4.19E-01	4.71E-01	5.84E-01
2905	488139.13	3857111.68	1.07152	3.90E-01	4.38E-01	5.43E-01
2906	488189.13	3857111.68	1.07923	3.92E-01	4.41E-01	5.47E-01
2907	488189.13	3857161.68	1.09596	3.98E-01	4.48E-01	5.55E-01
2908	487951.04	3856961.26	1.01138	3.68E-01	4.13E-01	5.12E-01
2909	488001.04	3856961.26	1.02397	3.72E-01	4.18E-01	5.19E-01
2910	488051.04	3856961.26	1.02975	3.74E-01	4.21E-01	5.22E-01
2911	488101.04	3856961.26	1.02899	3.74E-01	4.20E-01	5.21E-01
2912	487951.04	3857011.26	1.02274	3.72E-01	4.18E-01	5.18E-01
2913	488001.04	3857011.26	1.02123	3.71E-01	4.17E-01	5.17E-01
2914	488051.04	3857011.26	1.02352	3.72E-01	4.18E-01	5.18E-01
2915	488101.04	3857011.26	1.03263	3.75E-01	4.22E-01	5.23E-01
2916	488001.04	3857061.26	1.0473	3.81E-01	4.28E-01	5.30E-01
2917	488051.04	3857061.26	1.04745	3.81E-01	4.28E-01	5.31E-01
2918	488101.04	3857061.26	1.05663	3.84E-01	4.32E-01	5.35E-01
2919	487638.98	3856673.79	1.01414	3.69E-01	4.14E-01	5.14E-01
2920	487688.98	3856673.79	1.02228	3.72E-01	4.18E-01	5.18E-01
2921	487638.98	3856723.79	1.00077	3.64E-01	4.09E-01	5.07E-01
2922	487688.98	3856723.79	1.01223	3.68E-01	4.14E-01	5.13E-01
2923	486324.61	3855740.57	1.3496	4.91E-01	5.51E-01	6.84E-01
2924	486374.61	3855740.57	1.31581	4.78E-01	5.38E-01	6.66E-01
2925	486424.61	3855740.57	1.27704	4.64E-01	5.22E-01	6.47E-01
2926	486324.61	3855790.57	1.36051	4.95E-01	5.56E-01	6.89E-01
2927	486374.61	3855790.57	1.33792	4.86E-01	5.47E-01	6.78E-01
2928	486424.61	3855790.57	1.30629	4.75E-01	5.34E-01	6.62E-01
2929	486324.61	3855840.57	1.35988	4.94E-01	5.56E-01	6.89E-01
2930	486374.61	3855840.57	1.3442	4.89E-01	5.49E-01	6.81E-01
2931	486424.61	3855840.57	1.32301	4.81E-01	5.40E-01	6.70E-01
2932	486324.61	3855890.57	1.34086	4.87E-01	5.48E-01	6.79E-01
2933	486374.61	3855890.57	1.33794	4.86E-01	5.47E-01	6.78E-01
2934	486424.61	3855890.57	1.3261	4.82E-01	5.42E-01	6.72E-01
2935	488735.69	3858285.64	2.13807	7.77E-01	8.73E-01	1.08E+00
2936	488765.69	3858285.64	2.12023	7.71E-01	8.66E-01	1.07E+00
2937	488735.69	3858315.64	2.23197	8.11E-01	9.12E-01	1.13E+00
2938	488765.69	3858315.64	2.21417	8.05E-01	9.05E-01	1.12E+00
2939	478676.63	3849871.93	6.34841	2.31E+00	2.59E+00	3.22E+00
2940	479326.63	3849871.93	4.15389	1.51E+00	1.70E+00	2.10E+00
2941	479376.63	3849871.93	4.03139	1.47E+00	1.65E+00	2.04E+00
2942	479426.63	3849871.93	3.97545	1.45E+00	1.62E+00	2.01E+00
2943	478726.63	3849921.93	6.53142	2.37E+00	2.67E+00	3.31E+00
2944	478776.63	3849921.93	6.31542	2.30E+00	2.58E+00	3.20E+00
2945	478826.63	3849921.93	6.12997	2.23E+00	2.50E+00	3.10E+00
2946	478976.63	3849921.93	5.63575	2.05E+00	2.30E+00	2.85E+00
2947	479026.63	3849921.93	5.48738	1.99E+00	2.24E+00	2.78E+00
2948	479076.63	3849921.93	5.35932	1.95E+00	2.19E+00	2.71E+00
2949	479126.63	3849921.93	5.22315	1.90E+00	2.13E+00	2.65E+00
2950	479176.63	3849921.93	5.09506	1.85E+00	2.08E+00	2.58E+00
2951	479226.63	3849921.93	4.89113	1.78E+00	2.00E+00	2.48E+00
2952	479276.63	3849921.93	4.51117	1.64E+00	1.84E+00	2.28E+00
2953	479326.63	3849921.93	4.65871	1.69E+00	1.90E+00	2.36E+00
2954	479376.63	3849921.93	4.29456	1.56E+00	1.75E+00	2.18E+00
2955	479426.63	3849921.93	4.35755	1.58E+00	1.78E+00	2.21E+00
2956	478726.63	3849971.93	7.09201	2.58E+00	2.90E+00	3.59E+00
2957	478776.63	3849971.93	6.75628	2.46E+00	2.76E+00	3.42E+00

2958	478826.63	3849971.93	6.52297	2.37E+00	2.66E+00	3.30E+00
2959	478976.63	3849971.93	5.9286	2.16E+00	2.42E+00	3.00E+00
2960	479026.63	3849971.93	5.73705	2.09E+00	2.34E+00	2.91E+00
2961	479076.63	3849971.93	5.5679	2.02E+00	2.27E+00	2.82E+00
2962	479126.63	3849971.93	5.41543	1.97E+00	2.21E+00	2.74E+00
2963	479176.63	3849971.93	5.25369	1.91E+00	2.15E+00	2.66E+00
2964	479226.63	3849971.93	4.95789	1.80E+00	2.03E+00	2.51E+00
2965	479276.63	3849971.93	4.97133	1.81E+00	2.03E+00	2.52E+00
2966	479326.63	3849971.93	4.89742	1.78E+00	2.00E+00	2.48E+00
2967	479376.63	3849971.93	4.68099	1.70E+00	1.91E+00	2.37E+00
2968	479426.63	3849971.93	4.61184	1.68E+00	1.88E+00	2.34E+00
2969	478726.63	3850021.93	7.9399	2.89E+00	3.24E+00	4.02E+00
2970	478776.63	3850021.93	7.53992	2.74E+00	3.08E+00	3.82E+00
2971	478826.63	3850021.93	7.1714	2.61E+00	2.93E+00	3.63E+00
2972	478976.63	3850021.93	6.31865	2.30E+00	2.58E+00	3.20E+00
2973	478726.63	3850071.93	8.86309	3.22E+00	3.62E+00	4.49E+00
2974	478776.63	3850071.93	8.40565	3.06E+00	3.43E+00	4.26E+00
2975	478826.63	3850071.93	7.98972	2.90E+00	3.26E+00	4.05E+00
2976	478876.63	3850071.93	7.6004	2.76E+00	3.10E+00	3.85E+00
2977	478976.63	3850071.93	6.89844	2.51E+00	2.82E+00	3.49E+00
2978	478726.63	3850121.93	9.89472	3.60E+00	4.04E+00	5.01E+00
2979	478776.63	3850121.93	9.34966	3.40E+00	3.82E+00	4.74E+00
2980	478826.63	3850121.93	8.87212	3.23E+00	3.62E+00	4.49E+00
2981	478876.63	3850121.93	8.43794	3.07E+00	3.45E+00	4.27E+00
2982	478976.63	3850121.93	7.62925	2.77E+00	3.12E+00	3.86E+00
2983	479026.63	3850121.93	7.27804	2.65E+00	2.97E+00	3.69E+00
2984	479076.63	3850121.93	6.9552	2.53E+00	2.84E+00	3.52E+00
2985	479126.63	3850121.93	6.6441	2.42E+00	2.71E+00	3.37E+00
2986	478776.63	3850171.93	10.45934	3.80E+00	4.27E+00	5.30E+00
2987	478826.63	3850171.93	9.88669	3.59E+00	4.04E+00	5.01E+00
2988	478876.63	3850171.93	9.3703	3.41E+00	3.83E+00	4.75E+00
2989	478976.63	3850171.93	8.43828	3.07E+00	3.45E+00	4.27E+00
2990	479026.63	3850171.93	8.0289	2.92E+00	3.28E+00	4.07E+00
2991	479076.63	3850171.93	7.67272	2.79E+00	3.13E+00	3.89E+00
2992	479126.63	3850171.93	7.32335	2.66E+00	2.99E+00	3.71E+00
2993	479176.63	3850171.93	6.99981	2.54E+00	2.86E+00	3.55E+00
2994	479226.63	3850171.93	6.69758	2.43E+00	2.74E+00	3.39E+00
2995	479276.63	3850171.93	6.3924	2.32E+00	2.61E+00	3.24E+00
2996	479326.63	3850171.93	6.15672	2.24E+00	2.52E+00	3.12E+00
2997	479376.63	3850171.93	5.96377	2.17E+00	2.44E+00	3.02E+00
2998	478676.63	3850221.93	14.13471	5.14E+00	5.77E+00	7.16E+00
2999	478726.63	3850221.93	12.79489	4.65E+00	5.23E+00	6.48E+00
3000	478976.63	3850221.93	9.32485	3.39E+00	3.81E+00	4.72E+00
3001	479026.63	3850221.93	8.84259	3.21E+00	3.61E+00	4.48E+00
3002	479076.63	3850221.93	8.44108	3.07E+00	3.45E+00	4.28E+00
3003	479126.63	3850221.93	8.06031	2.93E+00	3.29E+00	4.08E+00
3004	479176.63	3850221.93	7.67875	2.79E+00	3.14E+00	3.89E+00
3005	479226.63	3850221.93	7.32458	2.66E+00	2.99E+00	3.71E+00
3006	479276.63	3850221.93	6.98858	2.54E+00	2.85E+00	3.54E+00
3007	479326.63	3850221.93	6.73655	2.45E+00	2.75E+00	3.41E+00
3008	479376.63	3850221.93	6.47652	2.35E+00	2.65E+00	3.28E+00
3009	478676.63	3850271.93	18.59617	6.76E+00	7.60E+00	9.42E+00
3010	478726.63	3850271.93	15.97283	5.81E+00	6.53E+00	8.09E+00
3011	478976.63	3850271.93	10.40842	3.78E+00	4.25E+00	5.27E+00
3012	479026.63	3850271.93	9.78616	3.56E+00	4.00E+00	4.96E+00
3013	479076.63	3850271.93	9.28712	3.38E+00	3.79E+00	4.70E+00
3014	479126.63	3850271.93	8.83525	3.21E+00	3.61E+00	4.48E+00
3015	479176.63	3850271.93	8.40336	3.06E+00	3.43E+00	4.26E+00
3016	479226.63	3850271.93	7.99674	2.91E+00	3.27E+00	4.05E+00
3017	479276.63	3850271.93	7.65099	2.78E+00	3.13E+00	3.88E+00
3018	479326.63	3850271.93	7.36614	2.68E+00	3.01E+00	3.73E+00
3019	479376.63	3850271.93	7.09708	2.58E+00	2.90E+00	3.59E+00
3020	479053.24	3850293.52	9.92532	3.61E+00	4.05E+00	5.03E+00

3021	479103.24	3850293.52	9.40463	3.42E+00	3.84E+00	4.76E+00
3022	479153.24	3850293.52	8.96248	3.26E+00	3.66E+00	4.54E+00
3023	479203.24	3850293.52	8.5077	3.09E+00	3.48E+00	4.31E+00
3024	479253.24	3850293.52	8.11552	2.95E+00	3.32E+00	4.11E+00
3025	479303.24	3850293.52	7.80078	2.84E+00	3.19E+00	3.95E+00
3026	479353.24	3850293.52	7.51562	2.73E+00	3.07E+00	3.81E+00
3027	479153.24	3850343.52	9.85569	3.58E+00	4.03E+00	4.99E+00
3028	479203.24	3850343.52	9.33253	3.39E+00	3.81E+00	4.73E+00
3029	479253.24	3850343.52	8.92876	3.25E+00	3.65E+00	4.52E+00
3030	479303.24	3850343.52	8.57763	3.12E+00	3.50E+00	4.34E+00
3031	479353.24	3850343.52	8.24248	3.00E+00	3.37E+00	4.17E+00
3032	479203.24	3850393.52	10.39401	3.78E+00	4.25E+00	5.26E+00
3033	479253.24	3850393.52	9.89312	3.60E+00	4.04E+00	5.01E+00
3034	479303.24	3850393.52	9.4682	3.44E+00	3.87E+00	4.80E+00
3035	479353.24	3850393.52	9.0743	3.30E+00	3.71E+00	4.60E+00
3036	479403.24	3850393.52	8.69277	3.16E+00	3.55E+00	4.40E+00
3037	479453.24	3850393.52	8.3347	3.03E+00	3.40E+00	4.22E+00
3038	479503.24	3850393.52	7.9834	2.90E+00	3.26E+00	4.04E+00
3039	479303.24	3850443.52	10.63638	3.87E+00	4.35E+00	5.39E+00
3040	479353.24	3850443.52	10.14041	3.69E+00	4.14E+00	5.14E+00
3041	479403.24	3850443.52	9.67481	3.52E+00	3.95E+00	4.90E+00
3042	479453.24	3850443.52	9.21481	3.35E+00	3.76E+00	4.67E+00
3043	479503.24	3850443.52	8.75486	3.18E+00	3.58E+00	4.43E+00
3044	480327.18	3850987.04	11.86946	4.32E+00	4.85E+00	6.01E+00
3045	480377.18	3850987.04	11.20614	4.07E+00	4.58E+00	5.68E+00
3046	480427.18	3850987.04	10.90126	3.96E+00	4.45E+00	5.52E+00
3047	480477.18	3850987.04	11.07797	4.03E+00	4.53E+00	5.61E+00
3048	480327.18	3851037.04	14.8199	5.39E+00	6.05E+00	7.51E+00
3049	480377.18	3851037.04	13.14659	4.78E+00	5.37E+00	6.66E+00
3050	480427.18	3851037.04	12.23719	4.45E+00	5.00E+00	6.20E+00
3051	480477.18	3851037.04	11.63924	4.23E+00	4.75E+00	5.90E+00
3052	480622.06	3851087.39	13.01853	4.73E+00	5.32E+00	6.59E+00
3053	480672.06	3851087.39	13.3617	4.86E+00	5.46E+00	6.77E+00
3054	480622.06	3851137.39	13.63024	4.96E+00	5.57E+00	6.90E+00
3055	480672.06	3851137.39	13.95332	5.07E+00	5.70E+00	7.07E+00
3056	480722.06	3851137.39	14.42114	5.24E+00	5.89E+00	7.30E+00
3057	480622.06	3851187.39	15.39163	5.60E+00	6.29E+00	7.80E+00
3058	480672.06	3851187.39	15.01081	5.46E+00	6.13E+00	7.60E+00
3059	480722.06	3851187.39	15.15972	5.51E+00	6.19E+00	7.68E+00
3060	471363.09	3845877.25	0.50764	1.85E-01	2.07E-01	2.57E-01
3061	471863.09	3845877.25	0.51169	1.86E-01	2.09E-01	2.59E-01
3062	472363.09	3845877.25	0.72983	2.65E-01	2.98E-01	3.70E-01
3063	472863.09	3845877.25	0.38323	1.39E-01	1.57E-01	1.94E-01
3064	473363.09	3845877.25	0.31443	1.14E-01	1.28E-01	1.59E-01
3065	473863.09	3845877.25	0.34645	1.26E-01	1.42E-01	1.75E-01
3066	474363.09	3845877.25	0.41216	1.50E-01	1.68E-01	2.09E-01
3067	474863.09	3845877.25	0.41245	1.50E-01	1.68E-01	2.09E-01
3068	475363.09	3845877.25	0.53934	1.96E-01	2.20E-01	2.73E-01
3069	475863.09	3845877.25	0.57731	2.10E-01	2.36E-01	2.92E-01
3070	476363.09	3845877.25	0.41977	1.53E-01	1.71E-01	2.13E-01
3071	476863.09	3845877.25	0.30883	1.12E-01	1.26E-01	1.56E-01
3072	477363.09	3845877.25	0.28824	1.05E-01	1.18E-01	1.46E-01
3073	477863.09	3845877.25	0.22682	8.25E-02	9.27E-02	1.15E-01
3074	478363.09	3845877.25	0.2111	7.67E-02	8.62E-02	1.07E-01
3075	478863.09	3845877.25	0.18921	6.88E-02	7.73E-02	9.58E-02
3076	479363.09	3845877.25	0.19783	7.19E-02	8.08E-02	1.00E-01
3077	479863.09	3845877.25	0.21235	7.72E-02	8.67E-02	1.08E-01
3078	480363.09	3845877.25	0.17993	6.54E-02	7.35E-02	9.11E-02
3079	480863.09	3845877.25	0.16386	5.96E-02	6.69E-02	8.30E-02
3080	481363.09	3845877.25	0.15005	5.46E-02	6.13E-02	7.60E-02
3081	481863.09	3845877.25	0.12976	4.72E-02	5.30E-02	6.57E-02
3082	482363.09	3845877.25	0.10957	3.98E-02	4.48E-02	5.55E-02
3083	482863.09	3845877.25	0.1068	3.88E-02	4.36E-02	5.41E-02

3084	483363.09	3845877.25	0.10472	3.81E-02	4.28E-02	5.30E-02
3085	483863.09	3845877.25	0.10274	3.74E-02	4.20E-02	5.20E-02
3086	484363.09	3845877.25	0.10133	3.68E-02	4.14E-02	5.13E-02
3087	484863.09	3845877.25	0.09414	3.42E-02	3.85E-02	4.77E-02
3088	485363.09	3845877.25	0.08513	3.09E-02	3.48E-02	4.31E-02
3089	485863.09	3845877.25	0.0851	3.09E-02	3.48E-02	4.31E-02
3090	486363.09	3845877.25	0.08426	3.06E-02	3.44E-02	4.27E-02
3091	486863.09	3845877.25	0.08248	3.00E-02	3.37E-02	4.18E-02
3092	487363.09	3845877.25	0.08204	2.98E-02	3.35E-02	4.16E-02
3093	487863.09	3845877.25	0.09056	3.29E-02	3.70E-02	4.59E-02
3094	488363.09	3845877.25	0.09378	3.41E-02	3.83E-02	4.75E-02
3095	488863.09	3845877.25	0.09369	3.41E-02	3.83E-02	4.75E-02
3096	489363.09	3845877.25	0.09206	3.35E-02	3.76E-02	4.66E-02
3097	489863.09	3845877.25	0.08082	2.94E-02	3.30E-02	4.09E-02
3098	490363.09	3845877.25	0.07937	2.89E-02	3.24E-02	4.02E-02
3099	490863.09	3845877.25	0.07847	2.85E-02	3.21E-02	3.97E-02
3100	491363.09	3845877.25	0.07835	2.85E-02	3.20E-02	3.97E-02
3101	491863.09	3845877.25	0.07795	2.83E-02	3.18E-02	3.95E-02
3102	492363.09	3845877.25	0.07615	2.77E-02	3.11E-02	3.86E-02
3103	492863.09	3845877.25	0.07436	2.70E-02	3.04E-02	3.77E-02
3104	493363.09	3845877.25	0.07179	2.61E-02	2.93E-02	3.64E-02
3105	493863.09	3845877.25	0.06968	2.53E-02	2.85E-02	3.53E-02
3106	494363.09	3845877.25	0.06822	2.48E-02	2.79E-02	3.46E-02
3107	494863.09	3845877.25	0.06738	2.45E-02	2.75E-02	3.41E-02
3108	495363.09	3845877.25	0.06769	2.46E-02	2.77E-02	3.43E-02
3109	495863.09	3845877.25	0.06907	2.51E-02	2.82E-02	3.50E-02
3110	496363.09	3845877.25	0.07181	2.61E-02	2.93E-02	3.64E-02
3111	496863.09	3845877.25	0.07275	2.64E-02	2.97E-02	3.68E-02
3112	497363.09	3845877.25	0.07359	2.68E-02	3.01E-02	3.73E-02
3113	497863.09	3845877.25	0.07508	2.73E-02	3.07E-02	3.80E-02
3114	498363.09	3845877.25	0.07556	2.75E-02	3.09E-02	3.83E-02
3115	471363.09	3846377.25	1.76607	6.42E-01	7.21E-01	8.95E-01
3116	471863.09	3846377.25	1.64537	5.98E-01	6.72E-01	8.33E-01
3117	472363.09	3846377.25	0.59028	2.15E-01	2.41E-01	2.99E-01
3118	472863.09	3846377.25	0.64436	2.34E-01	2.63E-01	3.26E-01
3119	473363.09	3846377.25	0.46448	1.69E-01	1.90E-01	2.35E-01
3120	473863.09	3846377.25	0.50088	1.82E-01	2.05E-01	2.54E-01
3121	474363.09	3846377.25	0.52205	1.90E-01	2.13E-01	2.64E-01
3122	474863.09	3846377.25	0.58908	2.14E-01	2.41E-01	2.98E-01
3123	475363.09	3846377.25	0.57323	2.08E-01	2.34E-01	2.90E-01
3124	475863.09	3846377.25	0.7455	2.71E-01	3.05E-01	3.78E-01
3125	476363.09	3846377.25	0.62809	2.28E-01	2.57E-01	3.18E-01
3126	476863.09	3846377.25	0.5667	2.06E-01	2.32E-01	2.87E-01
3127	477363.09	3846377.25	0.50735	1.84E-01	2.07E-01	2.57E-01
3128	477863.09	3846377.25	0.3711	1.35E-01	1.52E-01	1.88E-01
3129	478363.09	3846377.25	0.28407	1.03E-01	1.16E-01	1.44E-01
3130	478863.09	3846377.25	0.29009	1.05E-01	1.19E-01	1.47E-01
3131	479363.09	3846377.25	0.27192	9.89E-02	1.11E-01	1.38E-01
3132	479863.09	3846377.25	0.23865	8.68E-02	9.75E-02	1.21E-01
3133	480363.09	3846377.25	0.22199	8.07E-02	9.07E-02	1.12E-01
3134	480863.09	3846377.25	0.19066	6.93E-02	7.79E-02	9.66E-02
3135	481363.09	3846377.25	0.17581	6.39E-02	7.18E-02	8.90E-02
3136	481863.09	3846377.25	0.16516	6.00E-02	6.75E-02	8.37E-02
3137	482363.09	3846377.25	0.15258	5.55E-02	6.23E-02	7.73E-02
3138	482863.09	3846377.25	0.12847	4.67E-02	5.25E-02	6.51E-02
3139	483363.09	3846377.25	0.13622	4.95E-02	5.56E-02	6.90E-02
3140	483863.09	3846377.25	0.12703	4.62E-02	5.19E-02	6.43E-02
3141	484363.09	3846377.25	0.1034	3.76E-02	4.22E-02	5.24E-02
3142	484863.09	3846377.25	0.11167	4.06E-02	4.56E-02	5.66E-02
3143	485363.09	3846377.25	0.10967	3.99E-02	4.48E-02	5.55E-02
3144	485863.09	3846377.25	0.09772	3.55E-02	3.99E-02	4.95E-02
3145	486363.09	3846377.25	0.08405	3.06E-02	3.43E-02	4.26E-02
3146	486863.09	3846377.25	0.08285	3.01E-02	3.38E-02	4.20E-02

3147	487363.09	3846377.25	0.08337	3.03E-02	3.41E-02	4.22E-02
3148	487863.09	3846377.25	0.09023	3.28E-02	3.69E-02	4.57E-02
3149	488363.09	3846377.25	0.09462	3.44E-02	3.87E-02	4.79E-02
3150	488863.09	3846377.25	0.09412	3.42E-02	3.84E-02	4.77E-02
3151	489363.09	3846377.25	0.09402	3.42E-02	3.84E-02	4.76E-02
3152	489863.09	3846377.25	0.08151	2.96E-02	3.33E-02	4.13E-02
3153	490363.09	3846377.25	0.07934	2.88E-02	3.24E-02	4.02E-02
3154	490863.09	3846377.25	0.07848	2.85E-02	3.21E-02	3.98E-02
3155	491363.09	3846377.25	0.07694	2.80E-02	3.14E-02	3.90E-02
3156	491863.09	3846377.25	0.07495	2.72E-02	3.06E-02	3.80E-02
3157	492363.09	3846377.25	0.07148	2.60E-02	2.92E-02	3.62E-02
3158	492863.09	3846377.25	0.06868	2.50E-02	2.81E-02	3.48E-02
3159	493363.09	3846377.25	0.06793	2.47E-02	2.78E-02	3.44E-02
3160	493863.09	3846377.25	0.06805	2.47E-02	2.78E-02	3.45E-02
3161	494363.09	3846377.25	0.06922	2.52E-02	2.83E-02	3.51E-02
3162	494863.09	3846377.25	0.07165	2.60E-02	2.93E-02	3.63E-02
3163	495363.09	3846377.25	0.07375	2.68E-02	3.01E-02	3.74E-02
3164	495863.09	3846377.25	0.07777	2.83E-02	3.18E-02	3.94E-02
3165	496363.09	3846377.25	0.08172	2.97E-02	3.34E-02	4.14E-02
3166	496863.09	3846377.25	0.08472	3.08E-02	3.46E-02	4.29E-02
3167	497363.09	3846377.25	0.08711	3.17E-02	3.56E-02	4.41E-02
3168	497863.09	3846377.25	0.08814	3.20E-02	3.60E-02	4.46E-02
3169	498363.09	3846377.25	0.08808	3.20E-02	3.60E-02	4.46E-02
3170	471363.09	3846877.25	2.17295	7.90E-01	8.88E-01	1.10E+00
3171	471863.09	3846877.25	2.50623	9.11E-01	1.02E+00	1.27E+00
3172	472363.09	3846877.25	2.12929	7.74E-01	8.70E-01	1.08E+00
3173	472863.09	3846877.25	0.71549	2.60E-01	2.92E-01	3.62E-01
3174	473363.09	3846877.25	0.78255	2.85E-01	3.20E-01	3.96E-01
3175	473863.09	3846877.25	0.79244	2.88E-01	3.24E-01	4.01E-01
3176	474363.09	3846877.25	0.89183	3.24E-01	3.64E-01	4.52E-01
3177	474863.09	3846877.25	0.69867	2.54E-01	2.85E-01	3.54E-01
3178	475363.09	3846877.25	0.58607	2.13E-01	2.39E-01	2.97E-01
3179	475863.09	3846877.25	0.92862	3.38E-01	3.79E-01	4.70E-01
3180	476363.09	3846877.25	1.133	4.12E-01	4.63E-01	5.74E-01
3181	476863.09	3846877.25	0.8149	2.96E-01	3.33E-01	4.13E-01
3182	477363.09	3846877.25	0.69098	2.51E-01	2.82E-01	3.50E-01
3183	477863.09	3846877.25	0.50102	1.82E-01	2.05E-01	2.54E-01
3184	478363.09	3846877.25	0.4115	1.50E-01	1.68E-01	2.08E-01
3185	478863.09	3846877.25	0.41287	1.50E-01	1.69E-01	2.09E-01
3186	479363.09	3846877.25	0.38593	1.40E-01	1.58E-01	1.95E-01
3187	479863.09	3846877.25	0.27125	9.86E-02	1.11E-01	1.37E-01
3188	480363.09	3846877.25	0.22188	8.07E-02	9.06E-02	1.12E-01
3189	480863.09	3846877.25	0.20876	7.59E-02	8.53E-02	1.06E-01
3190	481363.09	3846877.25	0.22651	8.23E-02	9.25E-02	1.15E-01
3191	481863.09	3846877.25	0.2226	8.09E-02	9.09E-02	1.13E-01
3192	482363.09	3846877.25	0.17808	6.47E-02	7.27E-02	9.02E-02
3193	482863.09	3846877.25	0.16192	5.89E-02	6.61E-02	8.20E-02
3194	483363.09	3846877.25	0.16077	5.84E-02	6.57E-02	8.14E-02
3195	483863.09	3846877.25	0.15264	5.55E-02	6.24E-02	7.73E-02
3196	484363.09	3846877.25	0.14506	5.27E-02	5.93E-02	7.35E-02
3197	484863.09	3846877.25	0.13416	4.88E-02	5.48E-02	6.80E-02
3198	485363.09	3846877.25	0.13036	4.74E-02	5.33E-02	6.60E-02
3199	485863.09	3846877.25	0.11707	4.26E-02	4.78E-02	5.93E-02
3200	486363.09	3846877.25	0.12231	4.45E-02	5.00E-02	6.20E-02
3201	486863.09	3846877.25	0.10022	3.64E-02	4.09E-02	5.08E-02
3202	487363.09	3846877.25	0.10128	3.68E-02	4.14E-02	5.13E-02
3203	487863.09	3846877.25	0.10117	3.68E-02	4.13E-02	5.12E-02
3204	488363.09	3846877.25	0.09831	3.57E-02	4.02E-02	4.98E-02
3205	488863.09	3846877.25	0.099	3.60E-02	4.04E-02	5.01E-02
3206	489363.09	3846877.25	0.09745	3.54E-02	3.98E-02	4.94E-02
3207	489863.09	3846877.25	0.08852	3.22E-02	3.62E-02	4.48E-02
3208	490363.09	3846877.25	0.07885	2.87E-02	3.22E-02	3.99E-02
3209	490863.09	3846877.25	0.0755	2.74E-02	3.08E-02	3.82E-02

3210	491363.09	3846877.25	0.07199	2.62E-02	2.94E-02	3.65E-02
3211	491863.09	3846877.25	0.06933	2.52E-02	2.83E-02	3.51E-02
3212	492363.09	3846877.25	0.07193	2.62E-02	2.94E-02	3.64E-02
3213	492863.09	3846877.25	0.07212	2.62E-02	2.95E-02	3.65E-02
3214	493363.09	3846877.25	0.07455	2.71E-02	3.05E-02	3.78E-02
3215	493863.09	3846877.25	0.07531	2.74E-02	3.08E-02	3.81E-02
3216	494363.09	3846877.25	0.07626	2.77E-02	3.12E-02	3.86E-02
3217	494863.09	3846877.25	0.0788	2.86E-02	3.22E-02	3.99E-02
3218	495363.09	3846877.25	0.08106	2.95E-02	3.31E-02	4.11E-02
3219	495863.09	3846877.25	0.08346	3.03E-02	3.41E-02	4.23E-02
3220	496363.09	3846877.25	0.08661	3.15E-02	3.54E-02	4.39E-02
3221	496863.09	3846877.25	0.09191	3.34E-02	3.75E-02	4.66E-02
3222	497363.09	3846877.25	0.09943	3.61E-02	4.06E-02	5.04E-02
3223	497863.09	3846877.25	0.10459	3.80E-02	4.27E-02	5.30E-02
3224	498363.09	3846877.25	0.10235	3.72E-02	4.18E-02	5.18E-02
3225	471363.09	3847377.25	2.02412	7.36E-01	8.27E-01	1.03E+00
3226	471863.09	3847377.25	2.74499	9.98E-01	1.12E+00	1.39E+00
3227	472363.09	3847377.25	3.15381	1.15E+00	1.29E+00	1.60E+00
3228	472863.09	3847377.25	3.74488	1.36E+00	1.53E+00	1.90E+00
3229	473363.09	3847377.25	1.92256	6.99E-01	7.85E-01	9.74E-01
3230	473863.09	3847377.25	1.17598	4.28E-01	4.80E-01	5.96E-01
3231	474363.09	3847377.25	1.27425	4.63E-01	5.21E-01	6.45E-01
3232	474863.09	3847377.25	1.12526	4.09E-01	4.60E-01	5.70E-01
3233	475363.09	3847377.25	0.7534	2.74E-01	3.08E-01	3.82E-01
3234	475863.09	3847377.25	1.04763	3.81E-01	4.28E-01	5.31E-01
3235	476363.09	3847377.25	1.41429	5.14E-01	5.78E-01	7.16E-01
3236	476863.09	3847377.25	1.27439	4.63E-01	5.21E-01	6.45E-01
3237	477363.09	3847377.25	0.91521	3.33E-01	3.74E-01	4.64E-01
3238	477863.09	3847377.25	0.72196	2.62E-01	2.95E-01	3.66E-01
3239	478363.09	3847377.25	0.71422	2.60E-01	2.92E-01	3.62E-01
3240	478863.09	3847377.25	0.60309	2.19E-01	2.46E-01	3.05E-01
3241	479363.09	3847377.25	0.4113	1.50E-01	1.68E-01	2.08E-01
3242	479863.09	3847377.25	0.27487	9.99E-02	1.12E-01	1.39E-01
3243	480363.09	3847377.25	0.20536	7.47E-02	8.39E-02	1.04E-01
3244	480863.09	3847377.25	0.17687	6.43E-02	7.23E-02	8.96E-02
3245	481363.09	3847377.25	0.19878	7.23E-02	8.12E-02	1.01E-01
3246	481863.09	3847377.25	0.25921	9.42E-02	1.06E-01	1.31E-01
3247	482363.09	3847377.25	0.23695	8.61E-02	9.68E-02	1.20E-01
3248	482863.09	3847377.25	0.2057	7.48E-02	8.40E-02	1.04E-01
3249	483363.09	3847377.25	0.18354	6.67E-02	7.50E-02	9.30E-02
3250	483863.09	3847377.25	0.17436	6.34E-02	7.12E-02	8.83E-02
3251	484363.09	3847377.25	0.18182	6.61E-02	7.43E-02	9.21E-02
3252	484863.09	3847377.25	0.16637	6.05E-02	6.80E-02	8.43E-02
3253	485363.09	3847377.25	0.16629	6.05E-02	6.79E-02	8.42E-02
3254	485863.09	3847377.25	0.16989	6.18E-02	6.94E-02	8.61E-02
3255	486363.09	3847377.25	0.17106	6.22E-02	6.99E-02	8.66E-02
3256	486863.09	3847377.25	0.1463	5.32E-02	5.98E-02	7.41E-02
3257	487363.09	3847377.25	0.14466	5.26E-02	5.91E-02	7.33E-02
3258	487863.09	3847377.25	0.12588	4.58E-02	5.14E-02	6.38E-02
3259	488363.09	3847377.25	0.11881	4.32E-02	4.85E-02	6.02E-02
3260	488863.09	3847377.25	0.1175	4.27E-02	4.80E-02	5.95E-02
3261	489363.09	3847377.25	0.11501	4.18E-02	4.70E-02	5.83E-02
3262	489863.09	3847377.25	0.10186	3.70E-02	4.16E-02	5.16E-02
3263	490363.09	3847377.25	0.0997	3.62E-02	4.07E-02	5.05E-02
3264	490863.09	3847377.25	0.10065	3.66E-02	4.11E-02	5.10E-02
3265	491363.09	3847377.25	0.10118	3.68E-02	4.13E-02	5.12E-02
3266	491863.09	3847377.25	0.1048	3.81E-02	4.28E-02	5.31E-02
3267	492363.09	3847377.25	0.10528	3.83E-02	4.30E-02	5.33E-02
3268	492863.09	3847377.25	0.10807	3.93E-02	4.41E-02	5.47E-02
3269	493363.09	3847377.25	0.10995	4.00E-02	4.49E-02	5.57E-02
3270	493863.09	3847377.25	0.11038	4.01E-02	4.51E-02	5.59E-02
3271	494363.09	3847377.25	0.11101	4.04E-02	4.53E-02	5.62E-02
3272	494863.09	3847377.25	0.11235	4.08E-02	4.59E-02	5.69E-02

3273	495363.09	3847377.25	0.11361	4.13E-02	4.64E-02	5.75E-02
3274	495863.09	3847377.25	0.11517	4.19E-02	4.70E-02	5.83E-02
3275	496363.09	3847377.25	0.11671	4.24E-02	4.77E-02	5.91E-02
3276	496863.09	3847377.25	0.11974	4.35E-02	4.89E-02	6.06E-02
3277	497363.09	3847377.25	0.12443	4.52E-02	5.08E-02	6.30E-02
3278	497863.09	3847377.25	0.13011	4.73E-02	5.32E-02	6.59E-02
3279	498363.09	3847377.25	0.13146	4.78E-02	5.37E-02	6.66E-02
3280	471363.09	3847877.25	1.63	5.93E-01	6.66E-01	8.26E-01
3281	471863.09	3847877.25	2.06399	7.50E-01	8.43E-01	1.05E+00
3282	472363.09	3847877.25	2.4961	9.07E-01	1.02E+00	1.26E+00
3283	472863.09	3847877.25	3.70332	1.35E+00	1.51E+00	1.88E+00
3284	473363.09	3847877.25	4.76072	1.73E+00	1.94E+00	2.41E+00
3285	473863.09	3847877.25	16.26212	5.91E+00	6.64E+00	8.24E+00
3286	474363.09	3847877.25	1.8936	6.88E-01	7.74E-01	9.59E-01
3287	474863.09	3847877.25	2.26331	8.23E-01	9.25E-01	1.15E+00
3288	475363.09	3847877.25	1.50194	5.46E-01	6.14E-01	7.61E-01
3289	475863.09	3847877.25	1.15103	4.18E-01	4.70E-01	5.83E-01
3290	476363.09	3847877.25	1.80919	6.58E-01	7.39E-01	9.16E-01
3291	476863.09	3847877.25	1.68864	6.14E-01	6.90E-01	8.55E-01
3292	477363.09	3847877.25	1.70879	6.21E-01	6.98E-01	8.66E-01
3293	477863.09	3847877.25	1.33156	4.84E-01	5.44E-01	6.74E-01
3294	478363.09	3847877.25	1.23311	4.48E-01	5.04E-01	6.25E-01
3295	478863.09	3847877.25	1.16353	4.23E-01	4.75E-01	5.89E-01
3296	479363.09	3847877.25	0.58455	2.13E-01	2.39E-01	2.96E-01
3297	479863.09	3847877.25	0.26612	9.67E-02	1.09E-01	1.35E-01
3298	480363.09	3847877.25	0.27985	1.02E-01	1.14E-01	1.42E-01
3299	480863.09	3847877.25	0.226	8.22E-02	9.23E-02	1.14E-01
3300	481363.09	3847877.25	0.22503	8.18E-02	9.19E-02	1.14E-01
3301	481863.09	3847877.25	0.31861	1.16E-01	1.30E-01	1.61E-01
3302	482363.09	3847877.25	0.31311	1.14E-01	1.28E-01	1.59E-01
3303	482863.09	3847877.25	0.28876	1.05E-01	1.18E-01	1.46E-01
3304	483363.09	3847877.25	0.25269	9.19E-02	1.03E-01	1.28E-01
3305	483863.09	3847877.25	0.24929	9.06E-02	1.02E-01	1.26E-01
3306	484363.09	3847877.25	0.25954	9.44E-02	1.06E-01	1.31E-01
3307	484863.09	3847877.25	0.24591	8.94E-02	1.00E-01	1.25E-01
3308	485363.09	3847877.25	0.2431	8.84E-02	9.93E-02	1.23E-01
3309	485863.09	3847877.25	0.23972	8.72E-02	9.79E-02	1.21E-01
3310	486363.09	3847877.25	0.20981	7.63E-02	8.57E-02	1.06E-01
3311	486863.09	3847877.25	0.19754	7.18E-02	8.07E-02	1.00E-01
3312	487363.09	3847877.25	0.18818	6.84E-02	7.69E-02	9.53E-02
3313	487863.09	3847877.25	0.17167	6.24E-02	7.01E-02	8.70E-02
3314	488363.09	3847877.25	0.16677	6.06E-02	6.81E-02	8.45E-02
3315	488863.09	3847877.25	0.16651	6.05E-02	6.80E-02	8.43E-02
3316	489363.09	3847877.25	0.16632	6.05E-02	6.79E-02	8.42E-02
3317	489863.09	3847877.25	0.16939	6.16E-02	6.92E-02	8.58E-02
3318	490363.09	3847877.25	0.16748	6.09E-02	6.84E-02	8.48E-02
3319	490863.09	3847877.25	0.16376	5.95E-02	6.69E-02	8.29E-02
3320	491363.09	3847877.25	0.1576	5.73E-02	6.44E-02	7.98E-02
3321	491863.09	3847877.25	0.15719	5.71E-02	6.42E-02	7.96E-02
3322	492363.09	3847877.25	0.15806	5.75E-02	6.46E-02	8.01E-02
3323	492863.09	3847877.25	0.15738	5.72E-02	6.43E-02	7.97E-02
3324	493363.09	3847877.25	0.15337	5.58E-02	6.27E-02	7.77E-02
3325	493863.09	3847877.25	0.15129	5.50E-02	6.18E-02	7.66E-02
3326	494363.09	3847877.25	0.15074	5.48E-02	6.16E-02	7.64E-02
3327	494863.09	3847877.25	0.15088	5.49E-02	6.16E-02	7.64E-02
3328	495363.09	3847877.25	0.14955	5.44E-02	6.11E-02	7.57E-02
3329	495863.09	3847877.25	0.14512	5.28E-02	5.93E-02	7.35E-02
3330	496363.09	3847877.25	0.15076	5.48E-02	6.16E-02	7.64E-02
3331	496863.09	3847877.25	0.15283	5.56E-02	6.24E-02	7.74E-02
3332	497363.09	3847877.25	0.15656	5.69E-02	6.40E-02	7.93E-02
3333	497863.09	3847877.25	0.16709	6.07E-02	6.83E-02	8.46E-02
3334	498363.09	3847877.25	0.1707	6.21E-02	6.97E-02	8.65E-02
3335	471363.09	3848377.25	1.74546	6.35E-01	7.13E-01	8.84E-01

3336	471863.09	3848377.25	2.01351	7.32E-01	8.23E-01	1.02E+00
3337	472363.09	3848377.25	2.29878	8.36E-01	9.39E-01	1.16E+00
3338	472863.09	3848377.25	2.60504	9.47E-01	1.06E+00	1.32E+00
3339	473363.09	3848377.25	3.55983	1.29E+00	1.45E+00	1.80E+00
3340	473863.09	3848377.25	6.0321	2.19E+00	2.46E+00	3.06E+00
3341	474363.09	3848377.25	11.57065	4.21E+00	4.73E+00	5.86E+00
3342	474863.09	3848377.25	4.45292	1.62E+00	1.82E+00	2.26E+00
3343	475363.09	3848377.25	4.37643	1.59E+00	1.79E+00	2.22E+00
3344	475863.09	3848377.25	2.68074	9.75E-01	1.10E+00	1.36E+00
3345	476363.09	3848377.25	1.78096	6.47E-01	7.28E-01	9.02E-01
3346	476863.09	3848377.25	2.47741	9.01E-01	1.01E+00	1.25E+00
3347	477363.09	3848377.25	2.37405	8.63E-01	9.70E-01	1.20E+00
3348	477863.09	3848377.25	2.2728	8.26E-01	9.28E-01	1.15E+00
3349	478363.09	3848377.25	2.04979	7.45E-01	8.37E-01	1.04E+00
3350	478863.09	3848377.25	1.66623	6.06E-01	6.81E-01	8.44E-01
3351	479363.09	3848377.25	0.93582	3.40E-01	3.82E-01	4.74E-01
3352	479863.09	3848377.25	0.23782	8.65E-02	9.72E-02	1.20E-01
3353	480363.09	3848377.25	0.30896	1.12E-01	1.26E-01	1.56E-01
3354	480863.09	3848377.25	0.54017	1.96E-01	2.21E-01	2.74E-01
3355	481363.09	3848377.25	0.53121	1.93E-01	2.17E-01	2.69E-01
3356	481863.09	3848377.25	0.53359	1.94E-01	2.18E-01	2.70E-01
3357	482363.09	3848377.25	0.51173	1.86E-01	2.09E-01	2.59E-01
3358	482863.09	3848377.25	0.38095	1.38E-01	1.56E-01	1.93E-01
3359	483363.09	3848377.25	0.35304	1.28E-01	1.44E-01	1.79E-01
3360	483863.09	3848377.25	0.30365	1.10E-01	1.24E-01	1.54E-01
3361	484363.09	3848377.25	0.29921	1.09E-01	1.22E-01	1.52E-01
3362	484863.09	3848377.25	0.32913	1.20E-01	1.34E-01	1.67E-01
3363	485363.09	3848377.25	0.31109	1.13E-01	1.27E-01	1.58E-01
3364	485863.09	3848377.25	0.29762	1.08E-01	1.22E-01	1.51E-01
3365	486363.09	3848377.25	0.28007	1.02E-01	1.14E-01	1.42E-01
3366	486863.09	3848377.25	0.26584	9.66E-02	1.09E-01	1.35E-01
3367	487363.09	3848377.25	0.24851	9.03E-02	1.02E-01	1.26E-01
3368	487863.09	3848377.25	0.24452	8.89E-02	9.99E-02	1.24E-01
3369	488363.09	3848377.25	0.23949	8.71E-02	9.78E-02	1.21E-01
3370	488863.09	3848377.25	0.23608	8.58E-02	9.64E-02	1.20E-01
3371	489363.09	3848377.25	0.23474	8.53E-02	9.59E-02	1.19E-01
3372	489863.09	3848377.25	0.2384	8.67E-02	9.74E-02	1.21E-01
3373	490363.09	3848377.25	0.23194	8.43E-02	9.47E-02	1.17E-01
3374	490863.09	3848377.25	0.22006	8.00E-02	8.99E-02	1.11E-01
3375	491363.09	3848377.25	0.21239	7.72E-02	8.68E-02	1.08E-01
3376	491863.09	3848377.25	0.20678	7.52E-02	8.45E-02	1.05E-01
3377	492363.09	3848377.25	0.19682	7.16E-02	8.04E-02	9.97E-02
3378	492863.09	3848377.25	0.18726	6.81E-02	7.65E-02	9.48E-02
3379	493363.09	3848377.25	0.18318	6.66E-02	7.48E-02	9.28E-02
3380	493863.09	3848377.25	0.17989	6.54E-02	7.35E-02	9.11E-02
3381	494363.09	3848377.25	0.17663	6.42E-02	7.22E-02	8.95E-02
3382	494863.09	3848377.25	0.17577	6.39E-02	7.18E-02	8.90E-02
3383	495363.09	3848377.25	0.17035	6.19E-02	6.96E-02	8.63E-02
3384	495863.09	3848377.25	0.16861	6.13E-02	6.89E-02	8.54E-02
3385	496363.09	3848377.25	0.17079	6.21E-02	6.98E-02	8.65E-02
3386	496863.09	3848377.25	0.16822	6.12E-02	6.87E-02	8.52E-02
3387	497363.09	3848377.25	0.17322	6.30E-02	7.08E-02	8.77E-02
3388	497863.09	3848377.25	0.1982	7.21E-02	8.10E-02	1.00E-01
3389	498363.09	3848377.25	0.19858	7.22E-02	8.11E-02	1.01E-01
3390	471363.09	3848877.25	1.72662	6.28E-01	7.05E-01	8.75E-01
3391	471863.09	3848877.25	1.88339	6.85E-01	7.69E-01	9.54E-01
3392	472363.09	3848877.25	2.13591	7.77E-01	8.73E-01	1.08E+00
3393	472863.09	3848877.25	2.55661	9.29E-01	1.04E+00	1.29E+00
3394	473363.09	3848877.25	3.36484	1.22E+00	1.37E+00	1.70E+00
3395	473863.09	3848877.25	4.41615	1.61E+00	1.80E+00	2.24E+00
3396	474363.09	3848877.25	5.99329	2.18E+00	2.45E+00	3.04E+00
3397	474863.09	3848877.25	11.60782	4.22E+00	4.74E+00	5.88E+00
3398	475363.09	3848877.25	9.52353	3.46E+00	3.89E+00	4.82E+00

3399	475863.09	3848877.25	7.66642	2.79E+00	3.13E+00	3.88E+00
3400	476363.09	3848877.25	4.48717	1.63E+00	1.83E+00	2.27E+00
3401	476863.09	3848877.25	3.50845	1.28E+00	1.43E+00	1.78E+00
3402	477363.09	3848877.25	4.02967	1.47E+00	1.65E+00	2.04E+00
3403	477863.09	3848877.25	3.48155	1.27E+00	1.42E+00	1.76E+00
3404	478363.09	3848877.25	3.02976	1.10E+00	1.24E+00	1.53E+00
3405	478863.09	3848877.25	2.45214	8.91E-01	1.00E+00	1.24E+00
3406	479363.09	3848877.25	1.6873	6.13E-01	6.89E-01	8.55E-01
3407	479863.09	3848877.25	0.98393	3.58E-01	4.02E-01	4.98E-01
3408	480363.09	3848877.25	1.01749	3.70E-01	4.16E-01	5.15E-01
3409	480863.09	3848877.25	1.05032	3.82E-01	4.29E-01	5.32E-01
3410	481363.09	3848877.25	0.92013	3.35E-01	3.76E-01	4.66E-01
3411	481863.09	3848877.25	0.7699	2.80E-01	3.15E-01	3.90E-01
3412	482363.09	3848877.25	0.50966	1.85E-01	2.08E-01	2.58E-01
3413	482863.09	3848877.25	0.44313	1.61E-01	1.81E-01	2.24E-01
3414	483363.09	3848877.25	0.39572	1.44E-01	1.62E-01	2.00E-01
3415	483863.09	3848877.25	0.38406	1.40E-01	1.57E-01	1.95E-01
3416	484363.09	3848877.25	0.43094	1.57E-01	1.76E-01	2.18E-01
3417	484863.09	3848877.25	0.47842	1.74E-01	1.95E-01	2.42E-01
3418	485363.09	3848877.25	0.45003	1.64E-01	1.84E-01	2.28E-01
3419	485863.09	3848877.25	0.4315	1.57E-01	1.76E-01	2.19E-01
3420	486363.09	3848877.25	0.39663	1.44E-01	1.62E-01	2.01E-01
3421	486863.09	3848877.25	0.3602	1.31E-01	1.47E-01	1.82E-01
3422	487363.09	3848877.25	0.35055	1.27E-01	1.43E-01	1.78E-01
3423	487863.09	3848877.25	0.33106	1.20E-01	1.35E-01	1.68E-01
3424	488363.09	3848877.25	0.31941	1.16E-01	1.30E-01	1.62E-01
3425	488863.09	3848877.25	0.30481	1.11E-01	1.25E-01	1.54E-01
3426	489363.09	3848877.25	0.29936	1.09E-01	1.22E-01	1.52E-01
3427	489863.09	3848877.25	0.29469	1.07E-01	1.20E-01	1.49E-01
3428	490363.09	3848877.25	0.27545	1.00E-01	1.13E-01	1.40E-01
3429	490863.09	3848877.25	0.25732	9.36E-02	1.05E-01	1.30E-01
3430	491363.09	3848877.25	0.24615	8.95E-02	1.01E-01	1.25E-01
3431	491863.09	3848877.25	0.22724	8.26E-02	9.28E-02	1.15E-01
3432	492363.09	3848877.25	0.21082	7.66E-02	8.61E-02	1.07E-01
3433	492863.09	3848877.25	0.19553	7.11E-02	7.99E-02	9.90E-02
3434	493363.09	3848877.25	0.1844	6.70E-02	7.53E-02	9.34E-02
3435	493863.09	3848877.25	0.18348	6.67E-02	7.50E-02	9.29E-02
3436	494363.09	3848877.25	0.18066	6.57E-02	7.38E-02	9.15E-02
3437	494863.09	3848877.25	0.18095	6.58E-02	7.39E-02	9.17E-02
3438	495363.09	3848877.25	0.17997	6.54E-02	7.35E-02	9.12E-02
3439	495863.09	3848877.25	0.17292	6.29E-02	7.06E-02	8.76E-02
3440	496363.09	3848877.25	0.17199	6.25E-02	7.03E-02	8.71E-02
3441	496863.09	3848877.25	0.17666	6.42E-02	7.22E-02	8.95E-02
3442	497363.09	3848877.25	0.19434	7.07E-02	7.94E-02	9.84E-02
3443	497863.09	3848877.25	0.2024	7.36E-02	8.27E-02	1.03E-01
3444	498363.09	3848877.25	0.20772	7.55E-02	8.49E-02	1.05E-01
3445	471363.09	3849377.25	1.52644	5.55E-01	6.24E-01	7.73E-01
3446	471863.09	3849377.25	1.6684	6.07E-01	6.82E-01	8.45E-01
3447	472363.09	3849377.25	1.90263	6.92E-01	7.77E-01	9.64E-01
3448	472863.09	3849377.25	2.26753	8.24E-01	9.26E-01	1.15E+00
3449	473363.09	3849377.25	2.80941	1.02E+00	1.15E+00	1.42E+00
3450	473863.09	3849377.25	3.25855	1.18E+00	1.33E+00	1.65E+00
3451	474363.09	3849377.25	3.82929	1.39E+00	1.56E+00	1.94E+00
3452	474863.09	3849377.25	4.61094	1.68E+00	1.88E+00	2.34E+00
3453	475363.09	3849377.25	7.04534	2.56E+00	2.88E+00	3.57E+00
3454	475863.09	3849377.25	8.59203	3.12E+00	3.51E+00	4.35E+00
3455	476363.09	3849377.25	12.09496	4.40E+00	4.94E+00	6.13E+00
3456	476863.09	3849377.25	20.20492	7.35E+00	8.25E+00	1.02E+01
3457	477363.09	3849377.25	8.1888	2.98E+00	3.35E+00	4.15E+00
3458	477863.09	3849377.25	6.17375	2.24E+00	2.52E+00	3.13E+00
3459	478363.09	3849377.25	5.11309	1.86E+00	2.09E+00	2.59E+00
3460	478863.09	3849377.25	3.83427	1.39E+00	1.57E+00	1.94E+00
3461	479363.09	3849377.25	3.05581	1.11E+00	1.25E+00	1.55E+00

3462	479863.09	3849377.25	1.83858	6.68E-01	7.51E-01	9.31E-01
3463	480363.09	3849377.25	2.23789	8.14E-01	9.14E-01	1.13E+00
3464	480863.09	3849377.25	1.7971	6.53E-01	7.34E-01	9.10E-01
3465	481363.09	3849377.25	1.14275	4.15E-01	4.67E-01	5.79E-01
3466	481863.09	3849377.25	0.64725	2.35E-01	2.64E-01	3.28E-01
3467	482363.09	3849377.25	0.50714	1.84E-01	2.07E-01	2.57E-01
3468	482863.09	3849377.25	0.41849	1.52E-01	1.71E-01	2.12E-01
3469	483363.09	3849377.25	0.37857	1.38E-01	1.55E-01	1.92E-01
3470	483863.09	3849377.25	0.32125	1.17E-01	1.31E-01	1.63E-01
3471	484363.09	3849377.25	0.44442	1.62E-01	1.82E-01	2.25E-01
3472	484863.09	3849377.25	0.56195	2.04E-01	2.30E-01	2.85E-01
3473	485363.09	3849377.25	0.53655	1.95E-01	2.19E-01	2.72E-01
3474	485863.09	3849377.25	0.39767	1.45E-01	1.62E-01	2.01E-01
3475	486363.09	3849377.25	0.33478	1.22E-01	1.37E-01	1.70E-01
3476	486863.09	3849377.25	0.3773	1.37E-01	1.54E-01	1.91E-01
3477	487363.09	3849377.25	0.37796	1.37E-01	1.54E-01	1.91E-01
3478	487863.09	3849377.25	0.36074	1.31E-01	1.47E-01	1.83E-01
3479	488363.09	3849377.25	0.34679	1.26E-01	1.42E-01	1.76E-01
3480	488863.09	3849377.25	0.33707	1.23E-01	1.38E-01	1.71E-01
3481	489363.09	3849377.25	0.32752	1.19E-01	1.34E-01	1.66E-01
3482	489863.09	3849377.25	0.31321	1.14E-01	1.28E-01	1.59E-01
3483	490363.09	3849377.25	0.2897	1.05E-01	1.18E-01	1.47E-01
3484	490863.09	3849377.25	0.2721	9.89E-02	1.11E-01	1.38E-01
3485	491363.09	3849377.25	0.25783	9.37E-02	1.05E-01	1.31E-01
3486	491863.09	3849377.25	0.23568	8.57E-02	9.63E-02	1.19E-01
3487	492363.09	3849377.25	0.21728	7.90E-02	8.88E-02	1.10E-01
3488	492863.09	3849377.25	0.19529	7.10E-02	7.98E-02	9.89E-02
3489	493363.09	3849377.25	0.18737	6.81E-02	7.65E-02	9.49E-02
3490	493863.09	3849377.25	0.18306	6.66E-02	7.48E-02	9.27E-02
3491	494363.09	3849377.25	0.18349	6.67E-02	7.50E-02	9.29E-02
3492	494863.09	3849377.25	0.19364	7.04E-02	7.91E-02	9.81E-02
3493	495363.09	3849377.25	0.19539	7.10E-02	7.98E-02	9.90E-02
3494	495863.09	3849377.25	0.17254	6.27E-02	7.05E-02	8.74E-02
3495	496363.09	3849377.25	0.16885	6.14E-02	6.90E-02	8.55E-02
3496	496863.09	3849377.25	0.18993	6.91E-02	7.76E-02	9.62E-02
3497	497363.09	3849377.25	0.1963	7.14E-02	8.02E-02	9.94E-02
3498	497863.09	3849377.25	0.22832	8.30E-02	9.33E-02	1.16E-01
3499	498363.09	3849377.25	0.2187	7.95E-02	8.93E-02	1.11E-01
3500	471363.09	3849877.25	0.98748	3.59E-01	4.03E-01	5.00E-01
3501	471863.09	3849877.25	1.33543	4.86E-01	5.46E-01	6.76E-01
3502	472363.09	3849877.25	1.62218	5.90E-01	6.63E-01	8.22E-01
3503	472863.09	3849877.25	1.84791	6.72E-01	7.55E-01	9.36E-01
3504	473363.09	3849877.25	2.04035	7.42E-01	8.34E-01	1.03E+00
3505	473863.09	3849877.25	2.27206	8.26E-01	9.28E-01	1.15E+00
3506	474363.09	3849877.25	2.61642	9.51E-01	1.07E+00	1.33E+00
3507	474863.09	3849877.25	3.01301	1.10E+00	1.23E+00	1.53E+00
3508	475363.09	3849877.25	3.41865	1.24E+00	1.40E+00	1.73E+00
3509	475863.09	3849877.25	4.32114	1.57E+00	1.77E+00	2.19E+00
3510	476363.09	3849877.25	4.73105	1.72E+00	1.93E+00	2.40E+00
3511	476863.09	3849877.25	6.29534	2.29E+00	2.57E+00	3.19E+00
3512	477363.09	3849877.25	10.15353	3.69E+00	4.15E+00	5.14E+00
3513	477863.09	3849877.25	18.58488	6.76E+00	7.59E+00	9.41E+00
3514	478363.09	3849877.25	8.24311	3.00E+00	3.37E+00	4.18E+00
3515	478863.09	3849877.25	5.74323	2.09E+00	2.35E+00	2.91E+00
3516	479363.09	3849877.25	4.07595	1.48E+00	1.67E+00	2.06E+00
3517	479863.09	3849877.25	3.49624	1.27E+00	1.43E+00	1.77E+00
3518	480363.09	3849877.25	2.45747	8.93E-01	1.00E+00	1.24E+00
3519	480863.09	3849877.25	1.89649	6.89E-01	7.75E-01	9.61E-01
3520	481363.09	3849877.25	1.48469	5.40E-01	6.07E-01	7.52E-01
3521	481863.09	3849877.25	0.67848	2.47E-01	2.77E-01	3.44E-01
3522	482363.09	3849877.25	0.53277	1.94E-01	2.18E-01	2.70E-01
3523	482863.09	3849877.25	0.42216	1.53E-01	1.72E-01	2.14E-01
3524	483363.09	3849877.25	0.35738	1.30E-01	1.46E-01	1.81E-01

3525	483863.09	3849877.25	0.35505	1.29E-01	1.45E-01	1.80E-01
3526	484363.09	3849877.25	0.47089	1.71E-01	1.92E-01	2.39E-01
3527	484863.09	3849877.25	0.68336	2.48E-01	2.79E-01	3.46E-01
3528	485363.09	3849877.25	0.61526	2.24E-01	2.51E-01	3.12E-01
3529	485863.09	3849877.25	0.47431	1.72E-01	1.94E-01	2.40E-01
3530	486363.09	3849877.25	0.4302	1.56E-01	1.76E-01	2.18E-01
3531	486863.09	3849877.25	0.48748	1.77E-01	1.99E-01	2.47E-01
3532	487363.09	3849877.25	0.47139	1.71E-01	1.93E-01	2.39E-01
3533	487863.09	3849877.25	0.43366	1.58E-01	1.77E-01	2.20E-01
3534	488363.09	3849877.25	0.40741	1.48E-01	1.66E-01	2.06E-01
3535	488863.09	3849877.25	0.38777	1.41E-01	1.58E-01	1.96E-01
3536	489363.09	3849877.25	0.36571	1.33E-01	1.49E-01	1.85E-01
3537	489863.09	3849877.25	0.34264	1.25E-01	1.40E-01	1.74E-01
3538	490363.09	3849877.25	0.31621	1.15E-01	1.29E-01	1.60E-01
3539	490863.09	3849877.25	0.29811	1.08E-01	1.22E-01	1.51E-01
3540	491363.09	3849877.25	0.28001	1.02E-01	1.14E-01	1.42E-01
3541	491863.09	3849877.25	0.25429	9.24E-02	1.04E-01	1.29E-01
3542	492363.09	3849877.25	0.23385	8.50E-02	9.55E-02	1.18E-01
3543	492863.09	3849877.25	0.21045	7.65E-02	8.60E-02	1.07E-01
3544	493363.09	3849877.25	0.19334	7.03E-02	7.90E-02	9.79E-02
3545	493863.09	3849877.25	0.18392	6.69E-02	7.51E-02	9.32E-02
3546	494363.09	3849877.25	0.20278	7.37E-02	8.28E-02	1.03E-01
3547	494863.09	3849877.25	0.21587	7.85E-02	8.82E-02	1.09E-01
3548	495363.09	3849877.25	0.19237	6.99E-02	7.86E-02	9.74E-02
3549	495863.09	3849877.25	0.20649	7.51E-02	8.44E-02	1.05E-01
3550	496363.09	3849877.25	0.20893	7.60E-02	8.53E-02	1.06E-01
3551	496863.09	3849877.25	0.20913	7.60E-02	8.54E-02	1.06E-01
3552	497363.09	3849877.25	0.2334	8.49E-02	9.53E-02	1.18E-01
3553	497863.09	3849877.25	0.23828	8.66E-02	9.73E-02	1.21E-01
3554	498363.09	3849877.25	0.22666	8.24E-02	9.26E-02	1.15E-01
3555	471363.09	3850377.25	0.42701	1.55E-01	1.74E-01	2.16E-01
3556	471863.09	3850377.25	0.85638	3.11E-01	3.50E-01	4.34E-01
3557	472363.09	3850377.25	1.18232	4.30E-01	4.83E-01	5.99E-01
3558	472863.09	3850377.25	1.56709	5.70E-01	6.40E-01	7.94E-01
3559	473363.09	3850377.25	1.85014	6.73E-01	7.56E-01	9.37E-01
3560	473863.09	3850377.25	1.90605	6.93E-01	7.79E-01	9.65E-01
3561	474363.09	3850377.25	2.0533	7.46E-01	8.39E-01	1.04E+00
3562	474863.09	3850377.25	2.23892	8.14E-01	9.15E-01	1.13E+00
3563	475363.09	3850377.25	2.41447	8.78E-01	9.86E-01	1.22E+00
3564	475863.09	3850377.25	2.76772	1.01E+00	1.13E+00	1.40E+00
3565	476363.09	3850377.25	3.50447	1.27E+00	1.43E+00	1.78E+00
3566	476863.09	3850377.25	3.72308	1.35E+00	1.52E+00	1.89E+00
3567	477363.09	3850377.25	4.51526	1.64E+00	1.84E+00	2.29E+00
3568	477863.09	3850377.25	6.02163	2.19E+00	2.46E+00	3.05E+00
3569	478363.09	3850377.25	10.4881	3.81E+00	4.28E+00	5.31E+00
3570	478863.09	3850377.25	19.85842	7.22E+00	8.11E+00	1.01E+01
3571	479363.09	3850377.25	8.7181	3.17E+00	3.56E+00	4.42E+00
3572	479863.09	3850377.25	5.50777	2.00E+00	2.25E+00	2.79E+00
3573	480363.09	3850377.25	3.67414	1.34E+00	1.50E+00	1.86E+00
3574	480863.09	3850377.25	3.13544	1.14E+00	1.28E+00	1.59E+00
3575	481363.09	3850377.25	1.98582	7.22E-01	8.11E-01	1.01E+00
3576	481863.09	3850377.25	1.61187	5.86E-01	6.58E-01	8.16E-01
3577	482363.09	3850377.25	1.22924	4.47E-01	5.02E-01	6.23E-01
3578	482863.09	3850377.25	0.66251	2.41E-01	2.71E-01	3.36E-01
3579	483363.09	3850377.25	0.46417	1.69E-01	1.90E-01	2.35E-01
3580	483863.09	3850377.25	0.49046	1.78E-01	2.00E-01	2.48E-01
3581	484363.09	3850377.25	0.70828	2.57E-01	2.89E-01	3.59E-01
3582	484863.09	3850377.25	0.89766	3.26E-01	3.67E-01	4.55E-01
3583	485363.09	3850377.25	0.82333	2.99E-01	3.36E-01	4.17E-01
3584	485863.09	3850377.25	0.66518	2.42E-01	2.72E-01	3.37E-01
3585	486363.09	3850377.25	0.6019	2.19E-01	2.46E-01	3.05E-01
3586	486863.09	3850377.25	0.54633	1.99E-01	2.23E-01	2.77E-01
3587	487363.09	3850377.25	0.46245	1.68E-01	1.89E-01	2.34E-01

3588	487863.09	3850377.25	0.44005	1.60E-01	1.80E-01	2.23E-01
3589	488363.09	3850377.25	0.42084	1.53E-01	1.72E-01	2.13E-01
3590	488863.09	3850377.25	0.40454	1.47E-01	1.65E-01	2.05E-01
3591	489363.09	3850377.25	0.3856	1.40E-01	1.58E-01	1.95E-01
3592	489863.09	3850377.25	0.3593	1.31E-01	1.47E-01	1.82E-01
3593	490363.09	3850377.25	0.33703	1.23E-01	1.38E-01	1.71E-01
3594	490863.09	3850377.25	0.31852	1.16E-01	1.30E-01	1.61E-01
3595	491363.09	3850377.25	0.29885	1.09E-01	1.22E-01	1.51E-01
3596	491863.09	3850377.25	0.2703	9.83E-02	1.10E-01	1.37E-01
3597	492363.09	3850377.25	0.2419	8.79E-02	9.88E-02	1.23E-01
3598	492863.09	3850377.25	0.22331	8.12E-02	9.12E-02	1.13E-01
3599	493363.09	3850377.25	0.20338	7.39E-02	8.31E-02	1.03E-01
3600	493863.09	3850377.25	0.21074	7.66E-02	8.61E-02	1.07E-01
3601	494363.09	3850377.25	0.21488	7.81E-02	8.78E-02	1.09E-01
3602	494863.09	3850377.25	0.22825	8.30E-02	9.32E-02	1.16E-01
3603	495363.09	3850377.25	0.24591	8.94E-02	1.00E-01	1.25E-01
3604	495863.09	3850377.25	0.22805	8.29E-02	9.32E-02	1.16E-01
3605	496363.09	3850377.25	0.2443	8.88E-02	9.98E-02	1.24E-01
3606	496863.09	3850377.25	0.25723	9.35E-02	1.05E-01	1.30E-01
3607	497363.09	3850377.25	0.25791	9.38E-02	1.05E-01	1.31E-01
3608	497863.09	3850377.25	0.24934	9.06E-02	1.02E-01	1.26E-01
3609	498363.09	3850377.25	0.2411	8.77E-02	9.85E-02	1.22E-01
3610	471363.09	3850877.25	0.54092	1.97E-01	2.21E-01	2.74E-01
3611	471863.09	3850877.25	0.74513	2.71E-01	3.04E-01	3.77E-01
3612	472363.09	3850877.25	1.06007	3.85E-01	4.33E-01	5.37E-01
3613	472863.09	3850877.25	1.30666	4.75E-01	5.34E-01	6.62E-01
3614	473363.09	3850877.25	1.25547	4.56E-01	5.13E-01	6.36E-01
3615	473863.09	3850877.25	1.49165	5.42E-01	6.09E-01	7.56E-01
3616	474363.09	3850877.25	1.6901	6.14E-01	6.90E-01	8.56E-01
3617	474863.09	3850877.25	1.79287	6.52E-01	7.32E-01	9.08E-01
3618	475363.09	3850877.25	1.92049	6.98E-01	7.85E-01	9.73E-01
3619	475863.09	3850877.25	2.06491	7.51E-01	8.44E-01	1.05E+00
3620	476363.09	3850877.25	2.52017	9.16E-01	1.03E+00	1.28E+00
3621	476863.09	3850877.25	2.88789	1.05E+00	1.18E+00	1.46E+00
3622	477363.09	3850877.25	3.01203	1.10E+00	1.23E+00	1.53E+00
3623	477863.09	3850877.25	3.52076	1.28E+00	1.44E+00	1.78E+00
3624	478363.09	3850877.25	4.33541	1.58E+00	1.77E+00	2.20E+00
3625	478863.09	3850877.25	5.6913	2.07E+00	2.32E+00	2.88E+00
3626	479363.09	3850877.25	9.09244	3.31E+00	3.71E+00	4.61E+00
3627	479863.09	3850877.25	24.23262	8.81E+00	9.90E+00	1.23E+01
3628	480363.09	3850877.25	9.83405	3.58E+00	4.02E+00	4.98E+00
3629	480863.09	3850877.25	5.77173	2.10E+00	2.36E+00	2.92E+00
3630	481363.09	3850877.25	4.06407	1.48E+00	1.66E+00	2.06E+00
3631	481863.09	3850877.25	2.64399	9.61E-01	1.08E+00	1.34E+00
3632	482363.09	3850877.25	1.81539	6.60E-01	7.42E-01	9.20E-01
3633	482863.09	3850877.25	1.50276	5.46E-01	6.14E-01	7.61E-01
3634	483363.09	3850877.25	1.08849	3.96E-01	4.45E-01	5.51E-01
3635	483863.09	3850877.25	1.00348	3.65E-01	4.10E-01	5.08E-01
3636	484363.09	3850877.25	1.09456	3.98E-01	4.47E-01	5.54E-01
3637	484863.09	3850877.25	0.96612	3.51E-01	3.95E-01	4.89E-01
3638	485363.09	3850877.25	0.94437	3.43E-01	3.86E-01	4.78E-01
3639	485863.09	3850877.25	0.77669	2.82E-01	3.17E-01	3.93E-01
3640	486363.09	3850877.25	0.81221	2.95E-01	3.32E-01	4.11E-01
3641	486863.09	3850877.25	0.75858	2.76E-01	3.10E-01	3.84E-01
3642	487363.09	3850877.25	0.65918	2.40E-01	2.69E-01	3.34E-01
3643	487863.09	3850877.25	0.60123	2.19E-01	2.46E-01	3.05E-01
3644	488363.09	3850877.25	0.54528	1.98E-01	2.23E-01	2.76E-01
3645	488863.09	3850877.25	0.47321	1.72E-01	1.93E-01	2.40E-01
3646	489363.09	3850877.25	0.41282	1.50E-01	1.69E-01	2.09E-01
3647	489863.09	3850877.25	0.34935	1.27E-01	1.43E-01	1.77E-01
3648	490363.09	3850877.25	0.33297	1.21E-01	1.36E-01	1.69E-01
3649	490863.09	3850877.25	0.31486	1.14E-01	1.29E-01	1.59E-01
3650	491363.09	3850877.25	0.29085	1.06E-01	1.19E-01	1.47E-01

3651	491863.09	3850877.25	0.26629	9.68E-02	1.09E-01	1.35E-01
3652	492363.09	3850877.25	0.24463	8.89E-02	9.99E-02	1.24E-01
3653	492863.09	3850877.25	0.22909	8.33E-02	9.36E-02	1.16E-01
3654	493363.09	3850877.25	0.21924	7.97E-02	8.96E-02	1.11E-01
3655	493863.09	3850877.25	0.22891	8.32E-02	9.35E-02	1.16E-01
3656	494363.09	3850877.25	0.22819	8.30E-02	9.32E-02	1.16E-01
3657	494863.09	3850877.25	0.23974	8.72E-02	9.79E-02	1.21E-01
3658	495363.09	3850877.25	0.25236	9.17E-02	1.03E-01	1.28E-01
3659	495863.09	3850877.25	0.24744	9.00E-02	1.01E-01	1.25E-01
3660	496363.09	3850877.25	0.2498	9.08E-02	1.02E-01	1.27E-01
3661	496863.09	3850877.25	0.25846	9.40E-02	1.06E-01	1.31E-01
3662	497363.09	3850877.25	0.25194	9.16E-02	1.03E-01	1.28E-01
3663	497863.09	3850877.25	0.2414	8.78E-02	9.86E-02	1.22E-01
3664	498363.09	3850877.25	0.23104	8.40E-02	9.44E-02	1.17E-01
3665	471363.09	3851377.25	0.53589	1.95E-01	2.19E-01	2.71E-01
3666	471863.09	3851377.25	0.78599	2.86E-01	3.21E-01	3.98E-01
3667	472363.09	3851377.25	0.81937	2.98E-01	3.35E-01	4.15E-01
3668	472863.09	3851377.25	0.99593	3.62E-01	4.07E-01	5.04E-01
3669	473363.09	3851377.25	0.87056	3.16E-01	3.56E-01	4.41E-01
3670	473863.09	3851377.25	0.95912	3.49E-01	3.92E-01	4.86E-01
3671	474363.09	3851377.25	1.21386	4.41E-01	4.96E-01	6.15E-01
3672	474863.09	3851377.25	1.4265	5.19E-01	5.83E-01	7.23E-01
3673	475363.09	3851377.25	1.55269	5.64E-01	6.34E-01	7.86E-01
3674	475863.09	3851377.25	1.67742	6.10E-01	6.85E-01	8.50E-01
3675	476363.09	3851377.25	1.8945	6.89E-01	7.74E-01	9.60E-01
3676	476863.09	3851377.25	2.37256	8.63E-01	9.69E-01	1.20E+00
3677	477363.09	3851377.25	2.55524	9.29E-01	1.04E+00	1.29E+00
3678	477863.09	3851377.25	2.6134	9.50E-01	1.07E+00	1.32E+00
3679	478363.09	3851377.25	3.02509	1.10E+00	1.24E+00	1.53E+00
3680	478863.09	3851377.25	3.55384	1.29E+00	1.45E+00	1.80E+00
3681	479363.09	3851377.25	4.28569	1.56E+00	1.75E+00	2.17E+00
3682	479863.09	3851377.25	5.47854	1.99E+00	2.24E+00	2.77E+00
3683	480363.09	3851377.25	8.77382	3.19E+00	3.58E+00	4.44E+00
3684	480863.09	3851377.25	24.39015	8.87E+00	9.96E+00	1.24E+01
3685	481363.09	3851377.25	8.597	3.13E+00	3.51E+00	4.35E+00
3686	481863.09	3851377.25	4.76911	1.73E+00	1.95E+00	2.42E+00
3687	482363.09	3851377.25	3.19461	1.16E+00	1.31E+00	1.62E+00
3688	482863.09	3851377.25	1.85661	6.75E-01	7.58E-01	9.40E-01
3689	483363.09	3851377.25	1.27177	4.62E-01	5.20E-01	6.44E-01
3690	483863.09	3851377.25	1.03542	3.76E-01	4.23E-01	5.24E-01
3691	484363.09	3851377.25	1.39025	5.05E-01	5.68E-01	7.04E-01
3692	484863.09	3851377.25	1.0613	3.86E-01	4.34E-01	5.38E-01
3693	485363.09	3851377.25	1.28059	4.66E-01	5.23E-01	6.49E-01
3694	485863.09	3851377.25	1.04	3.78E-01	4.25E-01	5.27E-01
3695	486363.09	3851377.25	1.01038	3.67E-01	4.13E-01	5.12E-01
3696	486863.09	3851377.25	0.87657	3.19E-01	3.58E-01	4.44E-01
3697	487363.09	3851377.25	0.68421	2.49E-01	2.80E-01	3.47E-01
3698	487863.09	3851377.25	0.6312	2.29E-01	2.58E-01	3.20E-01
3699	488363.09	3851377.25	0.59274	2.15E-01	2.42E-01	3.00E-01
3700	488863.09	3851377.25	0.54841	1.99E-01	2.24E-01	2.78E-01
3701	489363.09	3851377.25	0.50138	1.82E-01	2.05E-01	2.54E-01
3702	489863.09	3851377.25	0.44387	1.61E-01	1.81E-01	2.25E-01
3703	490363.09	3851377.25	0.39218	1.43E-01	1.60E-01	1.99E-01
3704	490863.09	3851377.25	0.33392	1.21E-01	1.36E-01	1.69E-01
3705	491363.09	3851377.25	0.26469	9.62E-02	1.08E-01	1.34E-01
3706	491863.09	3851377.25	0.23807	8.66E-02	9.73E-02	1.21E-01
3707	492363.09	3851377.25	0.22567	8.20E-02	9.22E-02	1.14E-01
3708	492863.09	3851377.25	0.20969	7.62E-02	8.57E-02	1.06E-01
3709	493363.09	3851377.25	0.18258	6.64E-02	7.46E-02	9.25E-02
3710	493863.09	3851377.25	0.19113	6.95E-02	7.81E-02	9.68E-02
3711	494363.09	3851377.25	0.21702	7.89E-02	8.87E-02	1.10E-01
3712	494863.09	3851377.25	0.21773	7.92E-02	8.89E-02	1.10E-01
3713	495363.09	3851377.25	0.24054	8.74E-02	9.83E-02	1.22E-01

3714	495863.09	3851377.25	0.24353	8.85E-02	9.95E-02	1.23E-01
3715	496363.09	3851377.25	0.24124	8.77E-02	9.85E-02	1.22E-01
3716	496863.09	3851377.25	0.23603	8.58E-02	9.64E-02	1.20E-01
3717	497363.09	3851377.25	0.23022	8.37E-02	9.40E-02	1.17E-01
3718	497863.09	3851377.25	0.22218	8.08E-02	9.08E-02	1.13E-01
3719	498363.09	3851377.25	0.20859	7.58E-02	8.52E-02	1.06E-01
3720	471363.09	3851877.25	0.5529	2.01E-01	2.26E-01	2.80E-01
3721	471863.09	3851877.25	0.51226	1.86E-01	2.09E-01	2.59E-01
3722	472363.09	3851877.25	0.75534	2.75E-01	3.09E-01	3.83E-01
3723	472863.09	3851877.25	0.90546	3.29E-01	3.70E-01	4.59E-01
3724	473363.09	3851877.25	0.77426	2.81E-01	3.16E-01	3.92E-01
3725	473863.09	3851877.25	0.74243	2.70E-01	3.03E-01	3.76E-01
3726	474363.09	3851877.25	0.93088	3.38E-01	3.80E-01	4.72E-01
3727	474863.09	3851877.25	1.11906	4.07E-01	4.57E-01	5.67E-01
3728	475363.09	3851877.25	1.20593	4.38E-01	4.93E-01	6.11E-01
3729	475863.09	3851877.25	1.36794	4.97E-01	5.59E-01	6.93E-01
3730	476363.09	3851877.25	1.48068	5.38E-01	6.05E-01	7.50E-01
3731	476863.09	3851877.25	1.53026	5.56E-01	6.25E-01	7.75E-01
3732	477363.09	3851877.25	1.94571	7.07E-01	7.95E-01	9.86E-01
3733	477863.09	3851877.25	2.04019	7.42E-01	8.33E-01	1.03E+00
3734	478363.09	3851877.25	2.02616	7.37E-01	8.28E-01	1.03E+00
3735	478863.09	3851877.25	2.4487	8.90E-01	1.00E+00	1.24E+00
3736	479363.09	3851877.25	2.86658	1.04E+00	1.17E+00	1.45E+00
3737	479863.09	3851877.25	3.25606	1.18E+00	1.33E+00	1.65E+00
3738	480363.09	3851877.25	3.86047	1.40E+00	1.58E+00	1.96E+00
3739	480863.09	3851877.25	5.07247	1.84E+00	2.07E+00	2.57E+00
3740	481363.09	3851877.25	10.00743	3.64E+00	4.09E+00	5.07E+00
3741	481863.09	3851877.25	9.88405	3.59E+00	4.04E+00	5.01E+00
3742	482363.09	3851877.25	4.38072	1.59E+00	1.79E+00	2.22E+00
3743	482863.09	3851877.25	2.45753	8.93E-01	1.00E+00	1.24E+00
3744	483363.09	3851877.25	1.9919	7.24E-01	8.14E-01	1.01E+00
3745	483863.09	3851877.25	1.51067	5.49E-01	6.17E-01	7.65E-01
3746	484363.09	3851877.25	1.47419	5.36E-01	6.02E-01	7.47E-01
3747	484863.09	3851877.25	1.31281	4.77E-01	5.36E-01	6.65E-01
3748	485363.09	3851877.25	1.24305	4.52E-01	5.08E-01	6.30E-01
3749	485863.09	3851877.25	1.21976	4.43E-01	4.98E-01	6.18E-01
3750	486363.09	3851877.25	1.09535	3.98E-01	4.47E-01	5.55E-01
3751	486863.09	3851877.25	1.06181	3.86E-01	4.34E-01	5.38E-01
3752	487363.09	3851877.25	0.99551	3.62E-01	4.07E-01	5.04E-01
3753	487863.09	3851877.25	0.80199	2.92E-01	3.28E-01	4.06E-01
3754	488363.09	3851877.25	0.70748	2.57E-01	2.89E-01	3.58E-01
3755	488863.09	3851877.25	0.59257	2.15E-01	2.42E-01	3.00E-01
3756	489363.09	3851877.25	0.4967	1.81E-01	2.03E-01	2.52E-01
3757	489863.09	3851877.25	0.42439	1.54E-01	1.73E-01	2.15E-01
3758	490363.09	3851877.25	0.37158	1.35E-01	1.52E-01	1.88E-01
3759	490863.09	3851877.25	0.32359	1.18E-01	1.32E-01	1.64E-01
3760	491363.09	3851877.25	0.30969	1.13E-01	1.27E-01	1.57E-01
3761	491863.09	3851877.25	0.29418	1.07E-01	1.20E-01	1.49E-01
3762	492363.09	3851877.25	0.25581	9.30E-02	1.05E-01	1.30E-01
3763	492863.09	3851877.25	0.20254	7.36E-02	8.27E-02	1.03E-01
3764	493363.09	3851877.25	0.22201	8.07E-02	9.07E-02	1.12E-01
3765	493863.09	3851877.25	0.29559	1.07E-01	1.21E-01	1.50E-01
3766	494363.09	3851877.25	0.24876	9.04E-02	1.02E-01	1.26E-01
3767	494863.09	3851877.25	0.29756	1.08E-01	1.22E-01	1.51E-01
3768	495363.09	3851877.25	0.31418	1.14E-01	1.28E-01	1.59E-01
3769	495863.09	3851877.25	0.31376	1.14E-01	1.28E-01	1.59E-01
3770	496363.09	3851877.25	0.28614	1.04E-01	1.17E-01	1.45E-01
3771	496863.09	3851877.25	0.2558	9.30E-02	1.04E-01	1.30E-01
3772	497363.09	3851877.25	0.2238	8.14E-02	9.14E-02	1.13E-01
3773	497863.09	3851877.25	0.18869	6.86E-02	7.71E-02	9.56E-02
3774	498363.09	3851877.25	0.17567	6.39E-02	7.18E-02	8.90E-02
3775	471363.09	3852377.25	0.40778	1.48E-01	1.67E-01	2.07E-01
3776	471863.09	3852377.25	0.52489	1.91E-01	2.14E-01	2.66E-01

3777	472363.09	3852377.25	0.69865	2.54E-01	2.85E-01	3.54E-01
3778	472863.09	3852377.25	0.73225	2.66E-01	2.99E-01	3.71E-01
3779	473363.09	3852377.25	0.72212	2.63E-01	2.95E-01	3.66E-01
3780	473863.09	3852377.25	0.6824	2.48E-01	2.79E-01	3.46E-01
3781	474363.09	3852377.25	0.65557	2.38E-01	2.68E-01	3.32E-01
3782	474863.09	3852377.25	0.96783	3.52E-01	3.95E-01	4.90E-01
3783	475363.09	3852377.25	0.98639	3.59E-01	4.03E-01	5.00E-01
3784	475863.09	3852377.25	1.11651	4.06E-01	4.56E-01	5.66E-01
3785	476363.09	3852377.25	1.25662	4.57E-01	5.13E-01	6.36E-01
3786	476863.09	3852377.25	1.22447	4.45E-01	5.00E-01	6.20E-01
3787	477363.09	3852377.25	1.18629	4.31E-01	4.85E-01	6.01E-01
3788	477863.09	3852377.25	0.95442	3.47E-01	3.90E-01	4.83E-01
3789	478363.09	3852377.25	0.78142	2.84E-01	3.19E-01	3.96E-01
3790	478863.09	3852377.25	1.19637	4.35E-01	4.89E-01	6.06E-01
3791	479363.09	3852377.25	1.38383	5.03E-01	5.65E-01	7.01E-01
3792	479863.09	3852377.25	2.08009	7.56E-01	8.50E-01	1.05E+00
3793	480363.09	3852377.25	2.81892	1.02E+00	1.15E+00	1.43E+00
3794	480863.09	3852377.25	3.45266	1.26E+00	1.41E+00	1.75E+00
3795	481363.09	3852377.25	5.00929	1.82E+00	2.05E+00	2.54E+00
3796	481863.09	3852377.25	10.93898	3.98E+00	4.47E+00	5.54E+00
3797	482363.09	3852377.25	7.38749	2.69E+00	3.02E+00	3.74E+00
3798	482863.09	3852377.25	5.12454	1.86E+00	2.09E+00	2.60E+00
3799	483363.09	3852377.25	3.31625	1.21E+00	1.35E+00	1.68E+00
3800	483863.09	3852377.25	2.51121	9.13E-01	1.03E+00	1.27E+00
3801	484363.09	3852377.25	1.98299	7.21E-01	8.10E-01	1.00E+00
3802	484863.09	3852377.25	1.74008	6.33E-01	7.11E-01	8.81E-01
3803	485363.09	3852377.25	1.58416	5.76E-01	6.47E-01	8.02E-01
3804	485863.09	3852377.25	1.24877	4.54E-01	5.10E-01	6.33E-01
3805	486363.09	3852377.25	1.01694	3.70E-01	4.15E-01	5.15E-01
3806	486863.09	3852377.25	0.91217	3.32E-01	3.73E-01	4.62E-01
3807	487363.09	3852377.25	0.74632	2.71E-01	3.05E-01	3.78E-01
3808	487863.09	3852377.25	0.63374	2.30E-01	2.59E-01	3.21E-01
3809	488363.09	3852377.25	0.55259	2.01E-01	2.26E-01	2.80E-01
3810	488863.09	3852377.25	0.46449	1.69E-01	1.90E-01	2.35E-01
3811	489363.09	3852377.25	0.40245	1.46E-01	1.64E-01	2.04E-01
3812	489863.09	3852377.25	0.28526	1.04E-01	1.17E-01	1.44E-01
3813	490363.09	3852377.25	0.33796	1.23E-01	1.38E-01	1.71E-01
3814	490863.09	3852377.25	0.3647	1.33E-01	1.49E-01	1.85E-01
3815	491363.09	3852377.25	0.45994	1.67E-01	1.88E-01	2.33E-01
3816	491863.09	3852377.25	0.43731	1.59E-01	1.79E-01	2.22E-01
3817	492363.09	3852377.25	0.40061	1.46E-01	1.64E-01	2.03E-01
3818	492863.09	3852377.25	0.38615	1.40E-01	1.58E-01	1.96E-01
3819	493363.09	3852377.25	0.38122	1.39E-01	1.56E-01	1.93E-01
3820	493863.09	3852377.25	0.35918	1.31E-01	1.47E-01	1.82E-01
3821	494363.09	3852377.25	0.34759	1.26E-01	1.42E-01	1.76E-01
3822	494863.09	3852377.25	0.37989	1.38E-01	1.55E-01	1.92E-01
3823	495363.09	3852377.25	0.40732	1.48E-01	1.66E-01	2.06E-01
3824	495863.09	3852377.25	0.37157	1.35E-01	1.52E-01	1.88E-01
3825	496363.09	3852377.25	0.33317	1.21E-01	1.36E-01	1.69E-01
3826	496863.09	3852377.25	0.3057	1.11E-01	1.25E-01	1.55E-01
3827	497363.09	3852377.25	0.23655	8.60E-02	9.66E-02	1.20E-01
3828	497863.09	3852377.25	0.1805	6.56E-02	7.37E-02	9.14E-02
3829	498363.09	3852377.25	0.15377	5.59E-02	6.28E-02	7.79E-02
3830	471363.09	3852877.25	0.40912	1.49E-01	1.67E-01	2.07E-01
3831	471863.09	3852877.25	0.54826	1.99E-01	2.24E-01	2.78E-01
3832	472363.09	3852877.25	0.63664	2.31E-01	2.60E-01	3.22E-01
3833	472863.09	3852877.25	0.65894	2.40E-01	2.69E-01	3.34E-01
3834	473363.09	3852877.25	0.68812	2.50E-01	2.81E-01	3.49E-01
3835	473863.09	3852877.25	0.73615	2.68E-01	3.01E-01	3.73E-01
3836	474363.09	3852877.25	0.7922	2.88E-01	3.24E-01	4.01E-01
3837	474863.09	3852877.25	0.66072	2.40E-01	2.70E-01	3.35E-01
3838	475363.09	3852877.25	0.80685	2.93E-01	3.30E-01	4.09E-01
3839	475863.09	3852877.25	0.87613	3.19E-01	3.58E-01	4.44E-01

3840	476363.09	3852877.25	0.94207	3.42E-01	3.85E-01	4.77E-01
3841	476863.09	3852877.25	0.74784	2.72E-01	3.05E-01	3.79E-01
3842	477363.09	3852877.25	0.56482	2.05E-01	2.31E-01	2.86E-01
3843	477863.09	3852877.25	0.42206	1.53E-01	1.72E-01	2.14E-01
3844	478363.09	3852877.25	0.27342	9.94E-02	1.12E-01	1.38E-01
3845	478863.09	3852877.25	0.37771	1.37E-01	1.54E-01	1.91E-01
3846	479363.09	3852877.25	0.90773	3.30E-01	3.71E-01	4.60E-01
3847	479863.09	3852877.25	1.22536	4.45E-01	5.01E-01	6.21E-01
3848	480363.09	3852877.25	2.1746	7.91E-01	8.88E-01	1.10E+00
3849	480863.09	3852877.25	2.71063	9.85E-01	1.11E+00	1.37E+00
3850	481363.09	3852877.25	3.40533	1.24E+00	1.39E+00	1.72E+00
3851	481863.09	3852877.25	4.86401	1.77E+00	1.99E+00	2.46E+00
3852	482363.09	3852877.25	11.54956	4.20E+00	4.72E+00	5.85E+00
3853	482863.09	3852877.25	5.86121	2.13E+00	2.39E+00	2.97E+00
3854	483363.09	3852877.25	4.11912	1.50E+00	1.68E+00	2.09E+00
3855	483863.09	3852877.25	2.96541	1.08E+00	1.21E+00	1.50E+00
3856	484363.09	3852877.25	2.68361	9.76E-01	1.10E+00	1.36E+00
3857	484863.09	3852877.25	2.70255	9.83E-01	1.10E+00	1.37E+00
3858	485363.09	3852877.25	1.77581	6.46E-01	7.25E-01	8.99E-01
3859	485863.09	3852877.25	1.32116	4.80E-01	5.40E-01	6.69E-01
3860	486363.09	3852877.25	0.99468	3.62E-01	4.06E-01	5.04E-01
3861	486863.09	3852877.25	0.80801	2.94E-01	3.30E-01	4.09E-01
3862	487363.09	3852877.25	0.69602	2.53E-01	2.84E-01	3.53E-01
3863	487863.09	3852877.25	0.59675	2.17E-01	2.44E-01	3.02E-01
3864	488363.09	3852877.25	0.32074	1.17E-01	1.31E-01	1.62E-01
3865	488863.09	3852877.25	0.29465	1.07E-01	1.20E-01	1.49E-01
3866	489363.09	3852877.25	0.27075	9.84E-02	1.11E-01	1.37E-01
3867	489863.09	3852877.25	0.2536	9.22E-02	1.04E-01	1.28E-01
3868	490363.09	3852877.25	0.44071	1.60E-01	1.80E-01	2.23E-01
3869	490863.09	3852877.25	0.53385	1.94E-01	2.18E-01	2.70E-01
3870	491363.09	3852877.25	0.59737	2.17E-01	2.44E-01	3.03E-01
3871	491863.09	3852877.25	0.59534	2.16E-01	2.43E-01	3.02E-01
3872	492363.09	3852877.25	0.5819	2.12E-01	2.38E-01	2.95E-01
3873	492863.09	3852877.25	0.57924	2.11E-01	2.37E-01	2.93E-01
3874	493363.09	3852877.25	0.54061	1.97E-01	2.21E-01	2.74E-01
3875	493863.09	3852877.25	0.49838	1.81E-01	2.04E-01	2.52E-01
3876	494363.09	3852877.25	0.46202	1.68E-01	1.89E-01	2.34E-01
3877	494863.09	3852877.25	0.43007	1.56E-01	1.76E-01	2.18E-01
3878	495363.09	3852877.25	0.37342	1.36E-01	1.53E-01	1.89E-01
3879	495863.09	3852877.25	0.31943	1.16E-01	1.30E-01	1.62E-01
3880	496363.09	3852877.25	0.31708	1.15E-01	1.30E-01	1.61E-01
3881	496863.09	3852877.25	0.29576	1.08E-01	1.21E-01	1.50E-01
3882	497363.09	3852877.25	0.23088	8.39E-02	9.43E-02	1.17E-01
3883	497863.09	3852877.25	0.17219	6.26E-02	7.03E-02	8.72E-02
3884	498363.09	3852877.25	0.15576	5.66E-02	6.36E-02	7.89E-02
3885	471363.09	3853377.25	0.42614	1.55E-01	1.74E-01	2.16E-01
3886	471863.09	3853377.25	0.55764	2.03E-01	2.28E-01	2.82E-01
3887	472363.09	3853377.25	0.59019	2.15E-01	2.41E-01	2.99E-01
3888	472863.09	3853377.25	0.60937	2.22E-01	2.49E-01	3.09E-01
3889	473363.09	3853377.25	0.61559	2.24E-01	2.51E-01	3.12E-01
3890	473863.09	3853377.25	0.62615	2.28E-01	2.56E-01	3.17E-01
3891	474363.09	3853377.25	0.62214	2.26E-01	2.54E-01	3.15E-01
3892	474863.09	3853377.25	0.54561	1.98E-01	2.23E-01	2.76E-01
3893	475363.09	3853377.25	0.62721	2.28E-01	2.56E-01	3.18E-01
3894	475863.09	3853377.25	0.60933	2.22E-01	2.49E-01	3.09E-01
3895	476363.09	3853377.25	0.55326	2.01E-01	2.26E-01	2.80E-01
3896	476863.09	3853377.25	0.4407	1.60E-01	1.80E-01	2.23E-01
3897	477363.09	3853377.25	0.37185	1.35E-01	1.52E-01	1.88E-01
3898	477863.09	3853377.25	0.33063	1.20E-01	1.35E-01	1.67E-01
3899	478363.09	3853377.25	0.25881	9.41E-02	1.06E-01	1.31E-01
3900	478863.09	3853377.25	0.15647	5.69E-02	6.39E-02	7.93E-02
3901	479363.09	3853377.25	0.37249	1.35E-01	1.52E-01	1.89E-01
3902	479863.09	3853377.25	0.8714	3.17E-01	3.56E-01	4.41E-01

3903	480363.09	3853377.25	1.27223	4.63E-01	5.20E-01	6.44E-01
3904	480863.09	3853377.25	1.08181	3.93E-01	4.42E-01	5.48E-01
3905	481363.09	3853377.25	1.9671	7.15E-01	8.04E-01	9.96E-01
3906	481863.09	3853377.25	3.10962	1.13E+00	1.27E+00	1.58E+00
3907	482363.09	3853377.25	4.71719	1.71E+00	1.93E+00	2.39E+00
3908	482863.09	3853377.25	15.87179	5.77E+00	6.48E+00	8.04E+00
3909	483363.09	3853377.25	4.1206	1.50E+00	1.68E+00	2.09E+00
3910	483863.09	3853377.25	3.20345	1.16E+00	1.31E+00	1.62E+00
3911	484363.09	3853377.25	2.97225	1.08E+00	1.21E+00	1.51E+00
3912	484863.09	3853377.25	2.43948	8.87E-01	9.97E-01	1.24E+00
3913	485363.09	3853377.25	1.71127	6.22E-01	6.99E-01	8.67E-01
3914	485863.09	3853377.25	1.08403	3.94E-01	4.43E-01	5.49E-01
3915	486363.09	3853377.25	1.23031	4.47E-01	5.03E-01	6.23E-01
3916	486863.09	3853377.25	0.95429	3.47E-01	3.90E-01	4.83E-01
3917	487363.09	3853377.25	0.88099	3.20E-01	3.60E-01	4.46E-01
3918	487863.09	3853377.25	0.74244	2.70E-01	3.03E-01	3.76E-01
3919	488363.09	3853377.25	0.67774	2.46E-01	2.77E-01	3.43E-01
3920	488863.09	3853377.25	0.66497	2.42E-01	2.72E-01	3.37E-01
3921	489363.09	3853377.25	0.61262	2.23E-01	2.50E-01	3.10E-01
3922	489863.09	3853377.25	0.51781	1.88E-01	2.12E-01	2.62E-01
3923	490363.09	3853377.25	0.5199	1.89E-01	2.12E-01	2.63E-01
3924	490863.09	3853377.25	0.52282	1.90E-01	2.14E-01	2.65E-01
3925	491363.09	3853377.25	0.56642	2.06E-01	2.31E-01	2.87E-01
3926	491863.09	3853377.25	0.59942	2.18E-01	2.45E-01	3.04E-01
3927	492363.09	3853377.25	0.65486	2.38E-01	2.68E-01	3.32E-01
3928	492863.09	3853377.25	0.70012	2.55E-01	2.86E-01	3.55E-01
3929	493363.09	3853377.25	0.69897	2.54E-01	2.86E-01	3.54E-01
3930	493863.09	3853377.25	0.67505	2.45E-01	2.76E-01	3.42E-01
3931	494363.09	3853377.25	0.62002	2.25E-01	2.53E-01	3.14E-01
3932	494863.09	3853377.25	0.54955	2.00E-01	2.24E-01	2.78E-01
3933	495363.09	3853377.25	0.4912	1.79E-01	2.01E-01	2.49E-01
3934	495863.09	3853377.25	0.42618	1.55E-01	1.74E-01	2.16E-01
3935	496363.09	3853377.25	0.37258	1.35E-01	1.52E-01	1.89E-01
3936	496863.09	3853377.25	0.29979	1.09E-01	1.22E-01	1.52E-01
3937	497363.09	3853377.25	0.20633	7.50E-02	8.43E-02	1.05E-01
3938	497863.09	3853377.25	0.13197	4.80E-02	5.39E-02	6.68E-02
3939	498363.09	3853377.25	0.12266	4.46E-02	5.01E-02	6.21E-02
3940	471363.09	3853877.25	0.46287	1.68E-01	1.89E-01	2.34E-01
3941	471863.09	3853877.25	0.55106	2.00E-01	2.25E-01	2.79E-01
3942	472363.09	3853877.25	0.5519	2.01E-01	2.25E-01	2.80E-01
3943	472863.09	3853877.25	0.57323	2.08E-01	2.34E-01	2.90E-01
3944	473363.09	3853877.25	0.56822	2.07E-01	2.32E-01	2.88E-01
3945	473863.09	3853877.25	0.55059	2.00E-01	2.25E-01	2.79E-01
3946	474363.09	3853877.25	0.54287	1.97E-01	2.22E-01	2.75E-01
3947	474863.09	3853877.25	0.51701	1.88E-01	2.11E-01	2.62E-01
3948	475363.09	3853877.25	0.55448	2.02E-01	2.27E-01	2.81E-01
3949	475863.09	3853877.25	0.40749	1.48E-01	1.66E-01	2.06E-01
3950	476363.09	3853877.25	0.25833	9.39E-02	1.06E-01	1.31E-01
3951	476863.09	3853877.25	0.18385	6.68E-02	7.51E-02	9.31E-02
3952	477363.09	3853877.25	0.18932	6.88E-02	7.73E-02	9.59E-02
3953	477863.09	3853877.25	0.23307	8.47E-02	9.52E-02	1.18E-01
3954	478363.09	3853877.25	0.2038	7.41E-02	8.33E-02	1.03E-01
3955	478863.09	3853877.25	0.15054	5.47E-02	6.15E-02	7.63E-02
3956	479363.09	3853877.25	0.21547	7.83E-02	8.80E-02	1.09E-01
3957	479863.09	3853877.25	0.49946	1.82E-01	2.04E-01	2.53E-01
3958	480363.09	3853877.25	0.79234	2.88E-01	3.24E-01	4.01E-01
3959	480863.09	3853877.25	1.35379	4.92E-01	5.53E-01	6.86E-01
3960	481363.09	3853877.25	1.87398	6.81E-01	7.66E-01	9.49E-01
3961	481863.09	3853877.25	2.1293	7.74E-01	8.70E-01	1.08E+00
3962	482363.09	3853877.25	2.4531	8.92E-01	1.00E+00	1.24E+00
3963	482863.09	3853877.25	4.21521	1.53E+00	1.72E+00	2.14E+00
3964	483363.09	3853877.25	5.0854	1.85E+00	2.08E+00	2.58E+00
3965	483863.09	3853877.25	3.08179	1.12E+00	1.26E+00	1.56E+00

3966	484363.09	3853877.25	2.16256	7.86E-01	8.83E-01	1.10E+00
3967	484863.09	3853877.25	2.23531	8.13E-01	9.13E-01	1.13E+00
3968	485363.09	3853877.25	1.35223	4.92E-01	5.52E-01	6.85E-01
3969	485863.09	3853877.25	1.70306	6.19E-01	6.96E-01	8.63E-01
3970	486363.09	3853877.25	1.29924	4.72E-01	5.31E-01	6.58E-01
3971	486863.09	3853877.25	1.16042	4.22E-01	4.74E-01	5.88E-01
3972	487363.09	3853877.25	1.32764	4.83E-01	5.42E-01	6.72E-01
3973	487863.09	3853877.25	1.19004	4.33E-01	4.86E-01	6.03E-01
3974	488363.09	3853877.25	1.00938	3.67E-01	4.12E-01	5.11E-01
3975	488863.09	3853877.25	0.9091	3.31E-01	3.71E-01	4.60E-01
3976	489363.09	3853877.25	0.78135	2.84E-01	3.19E-01	3.96E-01
3977	489863.09	3853877.25	0.70458	2.56E-01	2.88E-01	3.57E-01
3978	490363.09	3853877.25	0.6548	2.38E-01	2.67E-01	3.32E-01
3979	490863.09	3853877.25	0.61681	2.24E-01	2.52E-01	3.12E-01
3980	491363.09	3853877.25	0.60042	2.18E-01	2.45E-01	3.04E-01
3981	491863.09	3853877.25	0.59921	2.18E-01	2.45E-01	3.04E-01
3982	492363.09	3853877.25	0.63086	2.29E-01	2.58E-01	3.20E-01
3983	492863.09	3853877.25	0.68374	2.49E-01	2.79E-01	3.46E-01
3984	493363.09	3853877.25	0.68651	2.50E-01	2.80E-01	3.48E-01
3985	493863.09	3853877.25	0.66969	2.43E-01	2.74E-01	3.39E-01
3986	494363.09	3853877.25	0.65828	2.39E-01	2.69E-01	3.33E-01
3987	494863.09	3853877.25	0.62761	2.28E-01	2.56E-01	3.18E-01
3988	495363.09	3853877.25	0.53472	1.94E-01	2.18E-01	2.71E-01
3989	495863.09	3853877.25	0.45402	1.65E-01	1.85E-01	2.30E-01
3990	496363.09	3853877.25	0.39592	1.44E-01	1.62E-01	2.01E-01
3991	496863.09	3853877.25	0.27511	1.00E-01	1.12E-01	1.39E-01
3992	497363.09	3853877.25	0.17828	6.48E-02	7.28E-02	9.03E-02
3993	497863.09	3853877.25	0.15184	5.52E-02	6.20E-02	7.69E-02
3994	498363.09	3853877.25	0.14751	5.36E-02	6.03E-02	7.47E-02
3995	471363.09	3854377.25	0.48373	1.76E-01	1.98E-01	2.45E-01
3996	471863.09	3854377.25	0.53223	1.93E-01	2.17E-01	2.70E-01
3997	472363.09	3854377.25	0.54585	1.98E-01	2.23E-01	2.76E-01
3998	472863.09	3854377.25	0.54491	1.98E-01	2.23E-01	2.76E-01
3999	473363.09	3854377.25	0.54312	1.97E-01	2.22E-01	2.75E-01
4000	473863.09	3854377.25	0.54793	1.99E-01	2.24E-01	2.78E-01
4001	474363.09	3854377.25	0.54742	1.99E-01	2.24E-01	2.77E-01
4002	474863.09	3854377.25	0.48149	1.75E-01	1.97E-01	2.44E-01
4003	475363.09	3854377.25	0.42186	1.53E-01	1.72E-01	2.14E-01
4004	475863.09	3854377.25	0.22509	8.18E-02	9.20E-02	1.14E-01
4005	476363.09	3854377.25	0.19401	7.05E-02	7.93E-02	9.83E-02
4006	476863.09	3854377.25	0.17448	6.34E-02	7.13E-02	8.84E-02
4007	477363.09	3854377.25	0.16586	6.03E-02	6.78E-02	8.40E-02
4008	477863.09	3854377.25	0.16092	5.85E-02	6.57E-02	8.15E-02
4009	478363.09	3854377.25	0.17131	6.23E-02	7.00E-02	8.68E-02
4010	478863.09	3854377.25	0.17402	6.33E-02	7.11E-02	8.81E-02
4011	479363.09	3854377.25	0.35105	1.28E-01	1.43E-01	1.78E-01
4012	479863.09	3854377.25	0.46993	1.71E-01	1.92E-01	2.38E-01
4013	480363.09	3854377.25	0.54262	1.97E-01	2.22E-01	2.75E-01
4014	480863.09	3854377.25	0.90049	3.27E-01	3.68E-01	4.56E-01
4015	481363.09	3854377.25	1.24359	4.52E-01	5.08E-01	6.30E-01
4016	481863.09	3854377.25	1.51295	5.50E-01	6.18E-01	7.66E-01
4017	482363.09	3854377.25	1.59137	5.79E-01	6.50E-01	8.06E-01
4018	482863.09	3854377.25	2.33965	8.51E-01	9.56E-01	1.19E+00
4019	483363.09	3854377.25	3.14206	1.14E+00	1.28E+00	1.59E+00
4020	483863.09	3854377.25	2.81477	1.02E+00	1.15E+00	1.43E+00
4021	484363.09	3854377.25	1.72467	6.27E-01	7.05E-01	8.74E-01
4022	484863.09	3854377.25	1.04585	3.80E-01	4.27E-01	5.30E-01
4023	485363.09	3854377.25	1.46672	5.33E-01	5.99E-01	7.43E-01
4024	485863.09	3854377.25	1.53449	5.58E-01	6.27E-01	7.77E-01
4025	486363.09	3854377.25	1.4624	5.32E-01	5.97E-01	7.41E-01
4026	486863.09	3854377.25	1.56754	5.70E-01	6.40E-01	7.94E-01
4027	487363.09	3854377.25	1.25916	4.58E-01	5.14E-01	6.38E-01
4028	487863.09	3854377.25	1.31489	4.78E-01	5.37E-01	6.66E-01

4029	488363.09	3854377.25	1.49029	5.42E-01	6.09E-01	7.55E-01
4030	488863.09	3854377.25	1.3543	4.92E-01	5.53E-01	6.86E-01
4031	489363.09	3854377.25	1.07607	3.91E-01	4.40E-01	5.45E-01
4032	489863.09	3854377.25	0.90598	3.29E-01	3.70E-01	4.59E-01
4033	490363.09	3854377.25	0.80226	2.92E-01	3.28E-01	4.06E-01
4034	490863.09	3854377.25	0.68993	2.51E-01	2.82E-01	3.49E-01
4035	491363.09	3854377.25	0.63802	2.32E-01	2.61E-01	3.23E-01
4036	491863.09	3854377.25	0.62363	2.27E-01	2.55E-01	3.16E-01
4037	492363.09	3854377.25	0.61337	2.23E-01	2.51E-01	3.11E-01
4038	492863.09	3854377.25	0.61004	2.22E-01	2.49E-01	3.09E-01
4039	493363.09	3854377.25	0.58822	2.14E-01	2.40E-01	2.98E-01
4040	493863.09	3854377.25	0.54769	1.99E-01	2.24E-01	2.77E-01
4041	494363.09	3854377.25	0.55008	2.00E-01	2.25E-01	2.79E-01
4042	494863.09	3854377.25	0.43422	1.58E-01	1.77E-01	2.20E-01
4043	495363.09	3854377.25	0.29897	1.09E-01	1.22E-01	1.51E-01
4044	495863.09	3854377.25	0.21239	7.72E-02	8.68E-02	1.08E-01
4045	496363.09	3854377.25	0.18835	6.85E-02	7.69E-02	9.54E-02
4046	496863.09	3854377.25	0.14663	5.33E-02	5.99E-02	7.43E-02
4047	497363.09	3854377.25	0.14038	5.10E-02	5.73E-02	7.11E-02
4048	497863.09	3854377.25	0.14356	5.22E-02	5.86E-02	7.27E-02
4049	498363.09	3854377.25	0.14516	5.28E-02	5.93E-02	7.35E-02
4050	471363.09	3854877.25	0.48998	1.78E-01	2.00E-01	2.48E-01
4051	471863.09	3854877.25	0.51605	1.88E-01	2.11E-01	2.61E-01
4052	472363.09	3854877.25	0.52666	1.91E-01	2.15E-01	2.67E-01
4053	472863.09	3854877.25	0.50735	1.84E-01	2.07E-01	2.57E-01
4054	473363.09	3854877.25	0.5224	1.90E-01	2.13E-01	2.65E-01
4055	473863.09	3854877.25	0.52925	1.92E-01	2.16E-01	2.68E-01
4056	474363.09	3854877.25	0.54931	2.00E-01	2.24E-01	2.78E-01
4057	474863.09	3854877.25	0.36851	1.34E-01	1.51E-01	1.87E-01
4058	475363.09	3854877.25	0.28975	1.05E-01	1.18E-01	1.47E-01
4059	475863.09	3854877.25	0.20567	7.48E-02	8.40E-02	1.04E-01
4060	476363.09	3854877.25	0.1403	5.10E-02	5.73E-02	7.11E-02
4061	476863.09	3854877.25	0.13205	4.80E-02	5.39E-02	6.69E-02
4062	477363.09	3854877.25	0.14353	5.22E-02	5.86E-02	7.27E-02
4063	477863.09	3854877.25	0.1533	5.57E-02	6.26E-02	7.76E-02
4064	478363.09	3854877.25	0.18073	6.57E-02	7.38E-02	9.15E-02
4065	478863.09	3854877.25	0.32061	1.17E-01	1.31E-01	1.62E-01
4066	479363.09	3854877.25	0.40312	1.47E-01	1.65E-01	2.04E-01
4067	479863.09	3854877.25	0.5695	2.07E-01	2.33E-01	2.88E-01
4068	480363.09	3854877.25	0.69965	2.54E-01	2.86E-01	3.54E-01
4069	480863.09	3854877.25	0.87356	3.18E-01	3.57E-01	4.42E-01
4070	481363.09	3854877.25	0.90708	3.30E-01	3.71E-01	4.59E-01
4071	481863.09	3854877.25	0.89319	3.25E-01	3.65E-01	4.52E-01
4072	482363.09	3854877.25	1.21592	4.42E-01	4.97E-01	6.16E-01
4073	482863.09	3854877.25	1.60573	5.84E-01	6.56E-01	8.13E-01
4074	483363.09	3854877.25	1.38365	5.03E-01	5.65E-01	7.01E-01
4075	483863.09	3854877.25	1.8073	6.57E-01	7.38E-01	9.15E-01
4076	484363.09	3854877.25	2.21597	8.06E-01	9.05E-01	1.12E+00
4077	484863.09	3854877.25	1.64819	5.99E-01	6.73E-01	8.35E-01
4078	485363.09	3854877.25	1.41852	5.16E-01	5.79E-01	7.18E-01
4079	485863.09	3854877.25	1.22925	4.47E-01	5.02E-01	6.23E-01
4080	486363.09	3854877.25	1.57058	5.71E-01	6.42E-01	7.96E-01
4081	486863.09	3854877.25	1.70345	6.19E-01	6.96E-01	8.63E-01
4082	487363.09	3854877.25	1.45128	5.28E-01	5.93E-01	7.35E-01
4083	487863.09	3854877.25	1.54887	5.63E-01	6.33E-01	7.85E-01
4084	488363.09	3854877.25	1.28697	4.68E-01	5.26E-01	6.52E-01
4085	488863.09	3854877.25	1.18911	4.32E-01	4.86E-01	6.02E-01
4086	489363.09	3854877.25	1.28239	4.66E-01	5.24E-01	6.50E-01
4087	489863.09	3854877.25	1.27376	4.63E-01	5.20E-01	6.45E-01
4088	490363.09	3854877.25	0.95451	3.47E-01	3.90E-01	4.83E-01
4089	490863.09	3854877.25	0.60759	2.21E-01	2.48E-01	3.08E-01
4090	491363.09	3854877.25	0.63002	2.29E-01	2.57E-01	3.19E-01
4091	491863.09	3854877.25	0.7483	2.72E-01	3.06E-01	3.79E-01

4092	492363.09	3854877.25	0.65845	2.39E-01	2.69E-01	3.34E-01
4093	492863.09	3854877.25	0.58708	2.13E-01	2.40E-01	2.97E-01
4094	493363.09	3854877.25	0.59793	2.17E-01	2.44E-01	3.03E-01
4095	493863.09	3854877.25	0.58396	2.12E-01	2.39E-01	2.96E-01
4096	494363.09	3854877.25	0.4748	1.73E-01	1.94E-01	2.40E-01
4097	494863.09	3854877.25	0.29655	1.08E-01	1.21E-01	1.50E-01
4098	495363.09	3854877.25	0.23548	8.56E-02	9.62E-02	1.19E-01
4099	495863.09	3854877.25	0.17678	6.43E-02	7.22E-02	8.95E-02
4100	496363.09	3854877.25	0.13195	4.80E-02	5.39E-02	6.68E-02
4101	496863.09	3854877.25	0.11196	4.07E-02	4.57E-02	5.67E-02
4102	497363.09	3854877.25	0.10946	3.98E-02	4.47E-02	5.54E-02
4103	497863.09	3854877.25	0.11808	4.29E-02	4.82E-02	5.98E-02
4104	498363.09	3854877.25	0.12072	4.39E-02	4.93E-02	6.11E-02
4105	471363.09	3855377.25	0.49601	1.80E-01	2.03E-01	2.51E-01
4106	471863.09	3855377.25	0.50236	1.83E-01	2.05E-01	2.54E-01
4107	472363.09	3855377.25	0.51993	1.89E-01	2.12E-01	2.63E-01
4108	472863.09	3855377.25	0.50975	1.85E-01	2.08E-01	2.58E-01
4109	473363.09	3855377.25	0.53138	1.93E-01	2.17E-01	2.69E-01
4110	473863.09	3855377.25	0.53742	1.95E-01	2.20E-01	2.72E-01
4111	474363.09	3855377.25	0.53736	1.95E-01	2.20E-01	2.72E-01
4112	474863.09	3855377.25	0.38583	1.40E-01	1.58E-01	1.95E-01
4113	475363.09	3855377.25	0.16053	5.84E-02	6.56E-02	8.13E-02
4114	475863.09	3855377.25	0.14799	5.38E-02	6.05E-02	7.50E-02
4115	476363.09	3855377.25	0.16432	5.97E-02	6.71E-02	8.32E-02
4116	476863.09	3855377.25	0.15008	5.46E-02	6.13E-02	7.60E-02
4117	477363.09	3855377.25	0.15159	5.51E-02	6.19E-02	7.68E-02
4118	477863.09	3855377.25	0.1729	6.29E-02	7.06E-02	8.76E-02
4119	478363.09	3855377.25	0.2448	8.90E-02	1.00E-01	1.24E-01
4120	478863.09	3855377.25	0.33642	1.22E-01	1.37E-01	1.70E-01
4121	479363.09	3855377.25	0.36067	1.31E-01	1.47E-01	1.83E-01
4122	479863.09	3855377.25	0.4424	1.61E-01	1.81E-01	2.24E-01
4123	480363.09	3855377.25	0.64213	2.33E-01	2.62E-01	3.25E-01
4124	480863.09	3855377.25	0.77446	2.82E-01	3.16E-01	3.92E-01
4125	481363.09	3855377.25	0.88166	3.21E-01	3.60E-01	4.47E-01
4126	481863.09	3855377.25	0.8859	3.22E-01	3.62E-01	4.49E-01
4127	482363.09	3855377.25	0.95205	3.46E-01	3.89E-01	4.82E-01
4128	482863.09	3855377.25	1.19497	4.34E-01	4.88E-01	6.05E-01
4129	483363.09	3855377.25	0.97743	3.55E-01	3.99E-01	4.95E-01
4130	483863.09	3855377.25	1.54125	5.60E-01	6.30E-01	7.81E-01
4131	484363.09	3855377.25	1.57925	5.74E-01	6.45E-01	8.00E-01
4132	484863.09	3855377.25	1.90847	6.94E-01	7.80E-01	9.67E-01
4133	485363.09	3855377.25	1.48176	5.39E-01	6.05E-01	7.51E-01
4134	485863.09	3855377.25	1.51363	5.50E-01	6.18E-01	7.67E-01
4135	486363.09	3855377.25	1.12193	4.08E-01	4.58E-01	5.68E-01
4136	486863.09	3855377.25	1.16178	4.22E-01	4.75E-01	5.88E-01
4137	487363.09	3855377.25	1.63917	5.96E-01	6.70E-01	8.30E-01
4138	487863.09	3855377.25	1.60692	5.84E-01	6.56E-01	8.14E-01
4139	488363.09	3855377.25	1.28068	4.66E-01	5.23E-01	6.49E-01
4140	488863.09	3855377.25	1.27201	4.62E-01	5.20E-01	6.44E-01
4141	489363.09	3855377.25	1.12404	4.09E-01	4.59E-01	5.69E-01
4142	489863.09	3855377.25	1.02965	3.74E-01	4.21E-01	5.22E-01
4143	490363.09	3855377.25	1.0569	3.84E-01	4.32E-01	5.35E-01
4144	490863.09	3855377.25	1.06932	3.89E-01	4.37E-01	5.42E-01
4145	491363.09	3855377.25	0.89303	3.25E-01	3.65E-01	4.52E-01
4146	491863.09	3855377.25	0.82957	3.02E-01	3.39E-01	4.20E-01
4147	492363.09	3855377.25	0.72452	2.63E-01	2.96E-01	3.67E-01
4148	492863.09	3855377.25	0.6791	2.47E-01	2.77E-01	3.44E-01
4149	493363.09	3855377.25	0.66742	2.43E-01	2.73E-01	3.38E-01
4150	493863.09	3855377.25	0.56421	2.05E-01	2.30E-01	2.86E-01
4151	494363.09	3855377.25	0.36425	1.32E-01	1.49E-01	1.84E-01
4152	494863.09	3855377.25	0.19916	7.24E-02	8.14E-02	1.01E-01
4153	495363.09	3855377.25	0.1633	5.94E-02	6.67E-02	8.27E-02
4154	495863.09	3855377.25	0.14181	5.16E-02	5.79E-02	7.18E-02

4155	496363.09	3855377.25	0.13338	4.85E-02	5.45E-02	6.76E-02
4156	496863.09	3855377.25	0.12317	4.48E-02	5.03E-02	6.24E-02
4157	497363.09	3855377.25	0.12741	4.63E-02	5.20E-02	6.45E-02
4158	497863.09	3855377.25	0.12497	4.54E-02	5.11E-02	6.33E-02
4159	498363.09	3855377.25	0.11784	4.28E-02	4.81E-02	5.97E-02
4160	471363.09	3855877.25	0.49213	1.79E-01	2.01E-01	2.49E-01
4161	471863.09	3855877.25	0.49573	1.80E-01	2.03E-01	2.51E-01
4162	472363.09	3855877.25	0.51586	1.88E-01	2.11E-01	2.61E-01
4163	472863.09	3855877.25	0.50228	1.83E-01	2.05E-01	2.54E-01
4164	473363.09	3855877.25	0.52975	1.93E-01	2.16E-01	2.68E-01
4165	473863.09	3855877.25	0.53719	1.95E-01	2.19E-01	2.72E-01
4166	474363.09	3855877.25	0.53236	1.94E-01	2.17E-01	2.70E-01
4167	474863.09	3855877.25	0.36235	1.32E-01	1.48E-01	1.84E-01
4168	475363.09	3855877.25	0.24819	9.02E-02	1.01E-01	1.26E-01
4169	475863.09	3855877.25	0.19407	7.06E-02	7.93E-02	9.83E-02
4170	476363.09	3855877.25	0.17106	6.22E-02	6.99E-02	8.66E-02
4171	476863.09	3855877.25	0.15798	5.74E-02	6.45E-02	8.00E-02
4172	477363.09	3855877.25	0.16617	6.04E-02	6.79E-02	8.42E-02
4173	477863.09	3855877.25	0.196	7.13E-02	8.01E-02	9.93E-02
4174	478363.09	3855877.25	0.25318	9.20E-02	1.03E-01	1.28E-01
4175	478863.09	3855877.25	0.34268	1.25E-01	1.40E-01	1.74E-01
4176	479363.09	3855877.25	0.44319	1.61E-01	1.81E-01	2.24E-01
4177	479863.09	3855877.25	0.50976	1.85E-01	2.08E-01	2.58E-01
4178	480363.09	3855877.25	0.61206	2.23E-01	2.50E-01	3.10E-01
4179	480863.09	3855877.25	0.67234	2.44E-01	2.75E-01	3.41E-01
4180	481363.09	3855877.25	0.72185	2.62E-01	2.95E-01	3.66E-01
4181	481863.09	3855877.25	0.91813	3.34E-01	3.75E-01	4.65E-01
4182	482363.09	3855877.25	0.79421	2.89E-01	3.24E-01	4.02E-01
4183	482863.09	3855877.25	0.96147	3.50E-01	3.93E-01	4.87E-01
4184	483363.09	3855877.25	0.84252	3.06E-01	3.44E-01	4.27E-01
4185	483863.09	3855877.25	0.94648	3.44E-01	3.87E-01	4.79E-01
4186	484363.09	3855877.25	1.3566	4.93E-01	5.54E-01	6.87E-01
4187	484863.09	3855877.25	1.22567	4.46E-01	5.01E-01	6.21E-01
4188	485363.09	3855877.25	1.36648	4.97E-01	5.58E-01	6.92E-01
4189	485863.09	3855877.25	1.25029	4.55E-01	5.11E-01	6.33E-01
4190	486363.09	3855877.25	1.34353	4.88E-01	5.49E-01	6.81E-01
4191	486863.09	3855877.25	1.03091	3.75E-01	4.21E-01	5.22E-01
4192	487363.09	3855877.25	1.01101	3.68E-01	4.13E-01	5.12E-01
4193	487863.09	3855877.25	1.24716	4.53E-01	5.09E-01	6.32E-01
4194	488363.09	3855877.25	1.3909	5.06E-01	5.68E-01	7.05E-01
4195	488863.09	3855877.25	1.22788	4.46E-01	5.02E-01	6.22E-01
4196	489363.09	3855877.25	1.06202	3.86E-01	4.34E-01	5.38E-01
4197	489863.09	3855877.25	1.03575	3.77E-01	4.23E-01	5.25E-01
4198	490363.09	3855877.25	0.94259	3.43E-01	3.85E-01	4.77E-01
4199	490863.09	3855877.25	0.92035	3.35E-01	3.76E-01	4.66E-01
4200	491363.09	3855877.25	0.91994	3.34E-01	3.76E-01	4.66E-01
4201	491863.09	3855877.25	0.96718	3.52E-01	3.95E-01	4.90E-01
4202	492363.09	3855877.25	0.94031	3.42E-01	3.84E-01	4.76E-01
4203	492863.09	3855877.25	0.77249	2.81E-01	3.16E-01	3.91E-01
4204	493363.09	3855877.25	0.72667	2.64E-01	2.97E-01	3.68E-01
4205	493863.09	3855877.25	0.45265	1.65E-01	1.85E-01	2.29E-01
4206	494363.09	3855877.25	0.26097	9.49E-02	1.07E-01	1.32E-01
4207	494863.09	3855877.25	0.14897	5.42E-02	6.09E-02	7.55E-02
4208	495363.09	3855877.25	0.11132	4.05E-02	4.55E-02	5.64E-02
4209	495863.09	3855877.25	0.09918	3.61E-02	4.05E-02	5.02E-02
4210	496363.09	3855877.25	0.10214	3.71E-02	4.17E-02	5.17E-02
4211	496863.09	3855877.25	0.11207	4.07E-02	4.58E-02	5.68E-02
4212	497363.09	3855877.25	0.13248	4.82E-02	5.41E-02	6.71E-02
4213	497863.09	3855877.25	0.14846	5.40E-02	6.06E-02	7.52E-02
4214	498363.09	3855877.25	0.15909	5.78E-02	6.50E-02	8.06E-02
4215	471363.09	3856377.25	0.48283	1.76E-01	1.97E-01	2.45E-01
4216	471863.09	3856377.25	0.48392	1.76E-01	1.98E-01	2.45E-01
4217	472363.09	3856377.25	0.4925	1.79E-01	2.01E-01	2.49E-01

4218	472863.09	3856377.25	0.50583	1.84E-01	2.07E-01	2.56E-01
4219	473363.09	3856377.25	0.50623	1.84E-01	2.07E-01	2.56E-01
4220	473863.09	3856377.25	0.52586	1.91E-01	2.15E-01	2.66E-01
4221	474363.09	3856377.25	0.47968	1.74E-01	1.96E-01	2.43E-01
4222	474863.09	3856377.25	0.40438	1.47E-01	1.65E-01	2.05E-01
4223	475363.09	3856377.25	0.27939	1.02E-01	1.14E-01	1.42E-01
4224	475863.09	3856377.25	0.21102	7.67E-02	8.62E-02	1.07E-01
4225	476363.09	3856377.25	0.21562	7.84E-02	8.81E-02	1.09E-01
4226	476863.09	3856377.25	0.23571	8.57E-02	9.63E-02	1.19E-01
4227	477363.09	3856377.25	0.24253	8.82E-02	9.91E-02	1.23E-01
4228	477863.09	3856377.25	0.21647	7.87E-02	8.84E-02	1.10E-01
4229	478363.09	3856377.25	0.18421	6.70E-02	7.53E-02	9.33E-02
4230	478863.09	3856377.25	0.25738	9.36E-02	1.05E-01	1.30E-01
4231	479363.09	3856377.25	0.3625	1.32E-01	1.48E-01	1.84E-01
4232	479863.09	3856377.25	0.47485	1.73E-01	1.94E-01	2.41E-01
4233	480363.09	3856377.25	0.59239	2.15E-01	2.42E-01	3.00E-01
4234	480863.09	3856377.25	0.63766	2.32E-01	2.60E-01	3.23E-01
4235	481363.09	3856377.25	0.70251	2.55E-01	2.87E-01	3.56E-01
4236	481863.09	3856377.25	0.70101	2.55E-01	2.86E-01	3.55E-01
4237	482363.09	3856377.25	0.69441	2.52E-01	2.84E-01	3.52E-01
4238	482863.09	3856377.25	0.81512	2.96E-01	3.33E-01	4.13E-01
4239	483363.09	3856377.25	0.77684	2.82E-01	3.17E-01	3.93E-01
4240	483863.09	3856377.25	0.74455	2.71E-01	3.04E-01	3.77E-01
4241	484363.09	3856377.25	1.0363	3.77E-01	4.23E-01	5.25E-01
4242	484863.09	3856377.25	0.98627	3.59E-01	4.03E-01	5.00E-01
4243	485363.09	3856377.25	1.0796	3.92E-01	4.41E-01	5.47E-01
4244	485863.09	3856377.25	1.08568	3.95E-01	4.44E-01	5.50E-01
4245	486363.09	3856377.25	1.08751	3.95E-01	4.44E-01	5.51E-01
4246	486863.09	3856377.25	1.10797	4.03E-01	4.53E-01	5.61E-01
4247	487363.09	3856377.25	1.02855	3.74E-01	4.20E-01	5.21E-01
4248	487863.09	3856377.25	0.8117	2.95E-01	3.32E-01	4.11E-01
4249	488363.09	3856377.25	0.96149	3.50E-01	3.93E-01	4.87E-01
4250	488863.09	3856377.25	1.07392	3.90E-01	4.39E-01	5.44E-01
4251	489363.09	3856377.25	1.07701	3.92E-01	4.40E-01	5.46E-01
4252	489863.09	3856377.25	0.9877	3.59E-01	4.03E-01	5.00E-01
4253	490363.09	3856377.25	0.9051	3.29E-01	3.70E-01	4.58E-01
4254	490863.09	3856377.25	0.88643	3.22E-01	3.62E-01	4.49E-01
4255	491363.09	3856377.25	0.84372	3.07E-01	3.45E-01	4.27E-01
4256	491863.09	3856377.25	0.79942	2.91E-01	3.27E-01	4.05E-01
4257	492363.09	3856377.25	0.82512	3.00E-01	3.37E-01	4.18E-01
4258	492863.09	3856377.25	0.87606	3.18E-01	3.58E-01	4.44E-01
4259	493363.09	3856377.25	0.66722	2.43E-01	2.73E-01	3.38E-01
4260	493863.09	3856377.25	0.40364	1.47E-01	1.65E-01	2.04E-01
4261	494363.09	3856377.25	0.17298	6.29E-02	7.07E-02	8.76E-02
4262	494863.09	3856377.25	0.13856	5.04E-02	5.66E-02	7.02E-02
4263	495363.09	3856377.25	0.10712	3.89E-02	4.38E-02	5.43E-02
4264	495863.09	3856377.25	0.10447	3.80E-02	4.27E-02	5.29E-02
4265	496363.09	3856377.25	0.10936	3.98E-02	4.47E-02	5.54E-02
4266	496863.09	3856377.25	0.11245	4.09E-02	4.59E-02	5.70E-02
4267	497363.09	3856377.25	0.13354	4.85E-02	5.46E-02	6.76E-02
4268	497863.09	3856377.25	0.15707	5.71E-02	6.42E-02	7.96E-02
4269	498363.09	3856377.25	0.17851	6.49E-02	7.29E-02	9.04E-02
4270	471363.09	3856877.25	0.4786	1.74E-01	1.96E-01	2.42E-01
4271	471863.09	3856877.25	0.47188	1.72E-01	1.93E-01	2.39E-01
4272	472363.09	3856877.25	0.4736	1.72E-01	1.93E-01	2.40E-01
4273	472863.09	3856877.25	0.46774	1.70E-01	1.91E-01	2.37E-01
4274	473363.09	3856877.25	0.47479	1.73E-01	1.94E-01	2.40E-01
4275	473863.09	3856877.25	0.47081	1.71E-01	1.92E-01	2.38E-01
4276	474363.09	3856877.25	0.43684	1.59E-01	1.78E-01	2.21E-01
4277	474863.09	3856877.25	0.37904	1.38E-01	1.55E-01	1.92E-01
4278	475363.09	3856877.25	0.28563	1.04E-01	1.17E-01	1.45E-01
4279	475863.09	3856877.25	0.34966	1.27E-01	1.43E-01	1.77E-01
4280	476363.09	3856877.25	0.28839	1.05E-01	1.18E-01	1.46E-01

4281	476863.09	3856877.25	0.23681	8.61E-02	9.67E-02	1.20E-01
4282	477363.09	3856877.25	0.19832	7.21E-02	8.10E-02	1.00E-01
4283	477863.09	3856877.25	0.17674	6.43E-02	7.22E-02	8.95E-02
4284	478363.09	3856877.25	0.2088	7.59E-02	8.53E-02	1.06E-01
4285	478863.09	3856877.25	0.23837	8.67E-02	9.74E-02	1.21E-01
4286	479363.09	3856877.25	0.29371	1.07E-01	1.20E-01	1.49E-01
4287	479863.09	3856877.25	0.53505	1.95E-01	2.19E-01	2.71E-01
4288	480363.09	3856877.25	0.55925	2.03E-01	2.28E-01	2.83E-01
4289	480863.09	3856877.25	0.63272	2.30E-01	2.58E-01	3.20E-01
4290	481363.09	3856877.25	0.65979	2.40E-01	2.70E-01	3.34E-01
4291	481863.09	3856877.25	0.69168	2.51E-01	2.83E-01	3.50E-01
4292	482363.09	3856877.25	0.623	2.26E-01	2.55E-01	3.16E-01
4293	482863.09	3856877.25	0.71445	2.60E-01	2.92E-01	3.62E-01
4294	483363.09	3856877.25	0.713	2.59E-01	2.91E-01	3.61E-01
4295	483863.09	3856877.25	0.76977	2.80E-01	3.14E-01	3.90E-01
4296	484363.09	3856877.25	0.96364	3.50E-01	3.94E-01	4.88E-01
4297	484863.09	3856877.25	1.01058	3.67E-01	4.13E-01	5.12E-01
4298	485363.09	3856877.25	1.01434	3.69E-01	4.14E-01	5.14E-01
4299	485863.09	3856877.25	1.33041	4.84E-01	5.43E-01	6.74E-01
4300	486363.09	3856877.25	1.14668	4.17E-01	4.68E-01	5.81E-01
4301	486863.09	3856877.25	0.95401	3.47E-01	3.90E-01	4.83E-01
4302	487363.09	3856877.25	1.04107	3.78E-01	4.25E-01	5.27E-01
4303	487863.09	3856877.25	1.01052	3.67E-01	4.13E-01	5.12E-01
4304	488363.09	3856877.25	0.81221	2.95E-01	3.32E-01	4.11E-01
4305	488863.09	3856877.25	0.78666	2.86E-01	3.21E-01	3.98E-01
4306	489363.09	3856877.25	0.91357	3.32E-01	3.73E-01	4.63E-01
4307	489863.09	3856877.25	0.86881	3.16E-01	3.55E-01	4.40E-01
4308	490363.09	3856877.25	0.90278	3.28E-01	3.69E-01	4.57E-01
4309	490863.09	3856877.25	0.81097	2.95E-01	3.31E-01	4.11E-01
4310	491363.09	3856877.25	0.81741	2.97E-01	3.34E-01	4.14E-01
4311	491863.09	3856877.25	0.83596	3.04E-01	3.41E-01	4.23E-01
4312	492363.09	3856877.25	0.82816	3.01E-01	3.38E-01	4.19E-01
4313	492863.09	3856877.25	0.71614	2.60E-01	2.93E-01	3.63E-01
4314	493363.09	3856877.25	0.57625	2.09E-01	2.35E-01	2.92E-01
4315	493863.09	3856877.25	0.29275	1.06E-01	1.20E-01	1.48E-01
4316	494363.09	3856877.25	0.14935	5.43E-02	6.10E-02	7.56E-02
4317	494863.09	3856877.25	0.11954	4.35E-02	4.88E-02	6.05E-02
4318	495363.09	3856877.25	0.11879	4.32E-02	4.85E-02	6.02E-02
4319	495863.09	3856877.25	0.12424	4.52E-02	5.08E-02	6.29E-02
4320	496363.09	3856877.25	0.12054	4.38E-02	4.92E-02	6.11E-02
4321	496863.09	3856877.25	0.11298	4.11E-02	4.62E-02	5.72E-02
4322	497363.09	3856877.25	0.12534	4.56E-02	5.12E-02	6.35E-02
4323	497863.09	3856877.25	0.17163	6.24E-02	7.01E-02	8.69E-02
4324	498363.09	3856877.25	0.25308	9.20E-02	1.03E-01	1.28E-01
4325	471363.09	3857377.25	0.45325	1.65E-01	1.85E-01	2.30E-01
4326	471863.09	3857377.25	0.43968	1.60E-01	1.80E-01	2.23E-01
4327	472363.09	3857377.25	0.4353	1.58E-01	1.78E-01	2.20E-01
4328	472863.09	3857377.25	0.43525	1.58E-01	1.78E-01	2.20E-01
4329	473363.09	3857377.25	0.44254	1.61E-01	1.81E-01	2.24E-01
4330	473863.09	3857377.25	0.45803	1.67E-01	1.87E-01	2.32E-01
4331	474363.09	3857377.25	0.41883	1.52E-01	1.71E-01	2.12E-01
4332	474863.09	3857377.25	0.2811	1.02E-01	1.15E-01	1.42E-01
4333	475363.09	3857377.25	0.16289	5.92E-02	6.65E-02	8.25E-02
4334	475863.09	3857377.25	0.18295	6.65E-02	7.47E-02	9.27E-02
4335	476363.09	3857377.25	0.25903	9.42E-02	1.06E-01	1.31E-01
4336	476863.09	3857377.25	0.23984	8.72E-02	9.80E-02	1.21E-01
4337	477363.09	3857377.25	0.20292	7.38E-02	8.29E-02	1.03E-01
4338	477863.09	3857377.25	0.16478	5.99E-02	6.73E-02	8.35E-02
4339	478363.09	3857377.25	0.14338	5.21E-02	5.86E-02	7.26E-02
4340	478863.09	3857377.25	0.1483	5.39E-02	6.06E-02	7.51E-02
4341	479363.09	3857377.25	0.1566	5.69E-02	6.40E-02	7.93E-02
4342	479863.09	3857377.25	0.37751	1.37E-01	1.54E-01	1.91E-01
4343	480363.09	3857377.25	0.44137	1.60E-01	1.80E-01	2.24E-01

4344	480863.09	3857377.25	0.76572	2.78E-01	3.13E-01	3.88E-01
4345	481363.09	3857377.25	0.79893	2.90E-01	3.26E-01	4.05E-01
4346	481863.09	3857377.25	0.86181	3.13E-01	3.52E-01	4.37E-01
4347	482363.09	3857377.25	0.66592	2.42E-01	2.72E-01	3.37E-01
4348	482863.09	3857377.25	0.64307	2.34E-01	2.63E-01	3.26E-01
4349	483363.09	3857377.25	0.66333	2.41E-01	2.71E-01	3.36E-01
4350	483863.09	3857377.25	0.68418	2.49E-01	2.79E-01	3.47E-01
4351	484363.09	3857377.25	0.75009	2.73E-01	3.06E-01	3.80E-01
4352	484863.09	3857377.25	1.02824	3.74E-01	4.20E-01	5.21E-01
4353	485363.09	3857377.25	0.98815	3.59E-01	4.04E-01	5.01E-01
4354	485863.09	3857377.25	1.05506	3.84E-01	4.31E-01	5.34E-01
4355	486363.09	3857377.25	1.39408	5.07E-01	5.69E-01	7.06E-01
4356	486863.09	3857377.25	1.36335	4.96E-01	5.57E-01	6.91E-01
4357	487363.09	3857377.25	1.13633	4.13E-01	4.64E-01	5.76E-01
4358	487863.09	3857377.25	1.32909	4.83E-01	5.43E-01	6.73E-01
4359	488363.09	3857377.25	1.20414	4.38E-01	4.92E-01	6.10E-01
4360	488863.09	3857377.25	0.92483	3.36E-01	3.78E-01	4.68E-01
4361	489363.09	3857377.25	0.86266	3.14E-01	3.52E-01	4.37E-01
4362	489863.09	3857377.25	0.89546	3.26E-01	3.66E-01	4.54E-01
4363	490363.09	3857377.25	0.75662	2.75E-01	3.09E-01	3.83E-01
4364	490863.09	3857377.25	0.81277	2.95E-01	3.32E-01	4.12E-01
4365	491363.09	3857377.25	0.80995	2.94E-01	3.31E-01	4.10E-01
4366	491863.09	3857377.25	0.77088	2.80E-01	3.15E-01	3.90E-01
4367	492363.09	3857377.25	0.91298	3.32E-01	3.73E-01	4.62E-01
4368	492863.09	3857377.25	0.83343	3.03E-01	3.40E-01	4.22E-01
4369	493363.09	3857377.25	0.39663	1.44E-01	1.62E-01	2.01E-01
4370	493863.09	3857377.25	0.22445	8.16E-02	9.17E-02	1.14E-01
4371	494363.09	3857377.25	0.16514	6.00E-02	6.75E-02	8.36E-02
4372	494863.09	3857377.25	0.16108	5.86E-02	6.58E-02	8.16E-02
4373	495363.09	3857377.25	0.143	5.20E-02	5.84E-02	7.24E-02
4374	495863.09	3857377.25	0.13125	4.77E-02	5.36E-02	6.65E-02
4375	496363.09	3857377.25	0.14985	5.45E-02	6.12E-02	7.59E-02
4376	496863.09	3857377.25	0.17889	6.50E-02	7.31E-02	9.06E-02
4377	497363.09	3857377.25	0.18948	6.89E-02	7.74E-02	9.60E-02
4378	497863.09	3857377.25	0.21638	7.87E-02	8.84E-02	1.10E-01
4379	498363.09	3857377.25	0.34452	1.25E-01	1.41E-01	1.75E-01
4380	471363.09	3857877.25	0.41687	1.52E-01	1.70E-01	2.11E-01
4381	471863.09	3857877.25	0.41911	1.52E-01	1.71E-01	2.12E-01
4382	472363.09	3857877.25	0.42118	1.53E-01	1.72E-01	2.13E-01
4383	472863.09	3857877.25	0.42738	1.55E-01	1.75E-01	2.16E-01
4384	473363.09	3857877.25	0.42937	1.56E-01	1.75E-01	2.17E-01
4385	473863.09	3857877.25	0.44168	1.61E-01	1.80E-01	2.24E-01
4386	474363.09	3857877.25	0.39492	1.44E-01	1.61E-01	2.00E-01
4387	474863.09	3857877.25	0.26734	9.72E-02	1.09E-01	1.35E-01
4388	475363.09	3857877.25	0.14729	5.35E-02	6.02E-02	7.46E-02
4389	475863.09	3857877.25	0.11682	4.25E-02	4.77E-02	5.92E-02
4390	476363.09	3857877.25	0.20062	7.29E-02	8.20E-02	1.02E-01
4391	476863.09	3857877.25	0.22011	8.00E-02	8.99E-02	1.11E-01
4392	477363.09	3857877.25	0.19877	7.23E-02	8.12E-02	1.01E-01
4393	477863.09	3857877.25	0.18211	6.62E-02	7.44E-02	9.22E-02
4394	478363.09	3857877.25	0.13357	4.86E-02	5.46E-02	6.77E-02
4395	478863.09	3857877.25	0.11994	4.36E-02	4.90E-02	6.08E-02
4396	479363.09	3857877.25	0.4081	1.48E-01	1.67E-01	2.07E-01
4397	479863.09	3857877.25	0.47592	1.73E-01	1.94E-01	2.41E-01
4398	480363.09	3857877.25	0.5318	1.93E-01	2.17E-01	2.69E-01
4399	480863.09	3857877.25	0.51215	1.86E-01	2.09E-01	2.59E-01
4400	481363.09	3857877.25	0.57454	2.09E-01	2.35E-01	2.91E-01
4401	481863.09	3857877.25	0.66994	2.44E-01	2.74E-01	3.39E-01
4402	482363.09	3857877.25	0.77128	2.80E-01	3.15E-01	3.91E-01
4403	482863.09	3857877.25	0.78762	2.86E-01	3.22E-01	3.99E-01
4404	483363.09	3857877.25	0.82697	3.01E-01	3.38E-01	4.19E-01
4405	483863.09	3857877.25	0.80073	2.91E-01	3.27E-01	4.06E-01
4406	484363.09	3857877.25	0.76946	2.80E-01	3.14E-01	3.90E-01

4407	484863.09	3857877.25	0.9237	3.36E-01	3.77E-01	4.68E-01
4408	485363.09	3857877.25	1.09241	3.97E-01	4.46E-01	5.53E-01
4409	485863.09	3857877.25	1.22663	4.46E-01	5.01E-01	6.21E-01
4410	486363.09	3857877.25	1.47447	5.36E-01	6.02E-01	7.47E-01
4411	486863.09	3857877.25	1.64837	5.99E-01	6.73E-01	8.35E-01
4412	487363.09	3857877.25	1.66588	6.06E-01	6.81E-01	8.44E-01
4413	487863.09	3857877.25	1.87871	6.83E-01	7.67E-01	9.52E-01
4414	488363.09	3857877.25	1.61844	5.88E-01	6.61E-01	8.20E-01
4415	488863.09	3857877.25	1.54283	5.61E-01	6.30E-01	7.81E-01
4416	489363.09	3857877.25	1.17226	4.26E-01	4.79E-01	5.94E-01
4417	489863.09	3857877.25	1.08498	3.94E-01	4.43E-01	5.50E-01
4418	490363.09	3857877.25	0.97047	3.53E-01	3.96E-01	4.92E-01
4419	490863.09	3857877.25	0.82617	3.00E-01	3.37E-01	4.18E-01
4420	491363.09	3857877.25	0.71427	2.60E-01	2.92E-01	3.62E-01
4421	491863.09	3857877.25	0.88802	3.23E-01	3.63E-01	4.50E-01
4422	492363.09	3857877.25	0.84978	3.09E-01	3.47E-01	4.30E-01
4423	492863.09	3857877.25	0.50786	1.85E-01	2.07E-01	2.57E-01
4424	493363.09	3857877.25	0.4726	1.72E-01	1.93E-01	2.39E-01
4425	493863.09	3857877.25	0.43505	1.58E-01	1.78E-01	2.20E-01
4426	494363.09	3857877.25	0.32322	1.18E-01	1.32E-01	1.64E-01
4427	494863.09	3857877.25	0.18063	6.57E-02	7.38E-02	9.15E-02
4428	495363.09	3857877.25	0.19814	7.20E-02	8.09E-02	1.00E-01
4429	495863.09	3857877.25	0.20154	7.33E-02	8.23E-02	1.02E-01
4430	496363.09	3857877.25	0.19357	7.04E-02	7.91E-02	9.80E-02
4431	496863.09	3857877.25	0.19873	7.22E-02	8.12E-02	1.01E-01
4432	497363.09	3857877.25	0.25409	9.24E-02	1.04E-01	1.29E-01
4433	497863.09	3857877.25	0.373	1.36E-01	1.52E-01	1.89E-01
4434	498363.09	3857877.25	0.45264	1.65E-01	1.85E-01	2.29E-01
4435	471363.09	3858377.25	0.40512	1.47E-01	1.65E-01	2.05E-01
4436	471863.09	3858377.25	0.40939	1.49E-01	1.67E-01	2.07E-01
4437	472363.09	3858377.25	0.40695	1.48E-01	1.66E-01	2.06E-01
4438	472863.09	3858377.25	0.4111	1.49E-01	1.68E-01	2.08E-01
4439	473363.09	3858377.25	0.42706	1.55E-01	1.74E-01	2.16E-01
4440	473863.09	3858377.25	0.42332	1.54E-01	1.73E-01	2.14E-01
4441	474363.09	3858377.25	0.3638	1.32E-01	1.49E-01	1.84E-01
4442	474863.09	3858377.25	0.26675	9.70E-02	1.09E-01	1.35E-01
4443	475363.09	3858377.25	0.15721	5.72E-02	6.42E-02	7.96E-02
4444	475863.09	3858377.25	0.14738	5.36E-02	6.02E-02	7.46E-02
4445	476363.09	3858377.25	0.18123	6.59E-02	7.40E-02	9.18E-02
4446	476863.09	3858377.25	0.19112	6.95E-02	7.81E-02	9.68E-02
4447	477363.09	3858377.25	0.17213	6.26E-02	7.03E-02	8.72E-02
4448	477863.09	3858377.25	0.18576	6.75E-02	7.59E-02	9.41E-02
4449	478363.09	3858377.25	0.18746	6.82E-02	7.66E-02	9.50E-02
4450	478863.09	3858377.25	0.15196	5.52E-02	6.21E-02	7.70E-02
4451	479363.09	3858377.25	0.43064	1.57E-01	1.76E-01	2.18E-01
4452	479863.09	3858377.25	0.44805	1.63E-01	1.83E-01	2.27E-01
4453	480363.09	3858377.25	0.45315	1.65E-01	1.85E-01	2.30E-01
4454	480863.09	3858377.25	0.47625	1.73E-01	1.95E-01	2.41E-01
4455	481363.09	3858377.25	0.52167	1.90E-01	2.13E-01	2.64E-01
4456	481863.09	3858377.25	0.5568	2.02E-01	2.27E-01	2.82E-01
4457	482363.09	3858377.25	0.61733	2.24E-01	2.52E-01	3.13E-01
4458	482863.09	3858377.25	0.64347	2.34E-01	2.63E-01	3.26E-01
4459	483363.09	3858377.25	0.66783	2.43E-01	2.73E-01	3.38E-01
4460	483863.09	3858377.25	0.76086	2.77E-01	3.11E-01	3.85E-01
4461	484363.09	3858377.25	0.78649	2.86E-01	3.21E-01	3.98E-01
4462	484863.09	3858377.25	0.8713	3.17E-01	3.56E-01	4.41E-01
4463	485363.09	3858377.25	0.99878	3.63E-01	4.08E-01	5.06E-01
4464	485863.09	3858377.25	1.12356	4.08E-01	4.59E-01	5.69E-01
4465	486363.09	3858377.25	1.14643	4.17E-01	4.68E-01	5.81E-01
4466	486863.09	3858377.25	1.55641	5.66E-01	6.36E-01	7.88E-01
4467	487363.09	3858377.25	2.50068	9.09E-01	1.02E+00	1.27E+00
4468	487863.09	3858377.25	3.07138	1.12E+00	1.25E+00	1.56E+00
4469	488363.09	3858377.25	3.03579	1.10E+00	1.24E+00	1.54E+00

4470	488863.09	3858377.25	2.2857	8.31E-01	9.34E-01	1.16E+00
4471	489363.09	3858377.25	2.22068	8.07E-01	9.07E-01	1.12E+00
4472	489863.09	3858377.25	1.57661	5.73E-01	6.44E-01	7.99E-01
4473	490363.09	3858377.25	1.52825	5.56E-01	6.24E-01	7.74E-01
4474	490863.09	3858377.25	1.18436	4.31E-01	4.84E-01	6.00E-01
4475	491363.09	3858377.25	0.73044	2.66E-01	2.98E-01	3.70E-01
4476	491863.09	3858377.25	0.64351	2.34E-01	2.63E-01	3.26E-01
4477	492363.09	3858377.25	0.65657	2.39E-01	2.68E-01	3.33E-01
4478	492863.09	3858377.25	0.77098	2.80E-01	3.15E-01	3.91E-01
4479	493363.09	3858377.25	0.61231	2.23E-01	2.50E-01	3.10E-01
4480	493863.09	3858377.25	0.53182	1.93E-01	2.17E-01	2.69E-01
4481	494363.09	3858377.25	0.57495	2.09E-01	2.35E-01	2.91E-01
4482	494863.09	3858377.25	0.54829	1.99E-01	2.24E-01	2.78E-01
4483	495363.09	3858377.25	0.39507	1.44E-01	1.61E-01	2.00E-01
4484	495863.09	3858377.25	0.28908	1.05E-01	1.18E-01	1.46E-01
4485	496363.09	3858377.25	0.30696	1.12E-01	1.25E-01	1.55E-01
4486	496863.09	3858377.25	0.3771	1.37E-01	1.54E-01	1.91E-01
4487	497363.09	3858377.25	0.38825	1.41E-01	1.59E-01	1.97E-01
4488	497863.09	3858377.25	0.48389	1.76E-01	1.98E-01	2.45E-01
4489	498363.09	3858377.25	0.67845	2.47E-01	2.77E-01	3.44E-01
4490	471363.09	3858877.25	0.39015	1.42E-01	1.59E-01	1.98E-01
4491	471863.09	3858877.25	0.39316	1.43E-01	1.61E-01	1.99E-01
4492	472363.09	3858877.25	0.40112	1.46E-01	1.64E-01	2.03E-01
4493	472863.09	3858877.25	0.40412	1.47E-01	1.65E-01	2.05E-01
4494	473363.09	3858877.25	0.4152	1.51E-01	1.70E-01	2.10E-01
4495	473863.09	3858877.25	0.41358	1.50E-01	1.69E-01	2.09E-01
4496	474363.09	3858877.25	0.37438	1.36E-01	1.53E-01	1.90E-01
4497	474863.09	3858877.25	0.15863	5.77E-02	6.48E-02	8.03E-02
4498	475363.09	3858877.25	0.14139	5.14E-02	5.78E-02	7.16E-02
4499	475863.09	3858877.25	0.15184	5.52E-02	6.20E-02	7.69E-02
4500	476363.09	3858877.25	0.14216	5.17E-02	5.81E-02	7.20E-02
4501	476863.09	3858877.25	0.16425	5.97E-02	6.71E-02	8.32E-02
4502	477363.09	3858877.25	0.15901	5.78E-02	6.50E-02	8.05E-02
4503	477863.09	3858877.25	0.16613	6.04E-02	6.79E-02	8.41E-02
4504	478363.09	3858877.25	0.2446	8.89E-02	9.99E-02	1.24E-01
4505	478863.09	3858877.25	0.24136	8.77E-02	9.86E-02	1.22E-01
4506	479363.09	3858877.25	0.21834	7.94E-02	8.92E-02	1.11E-01
4507	479863.09	3858877.25	0.46845	1.70E-01	1.91E-01	2.37E-01
4508	480363.09	3858877.25	0.46281	1.68E-01	1.89E-01	2.34E-01
4509	480863.09	3858877.25	0.51468	1.87E-01	2.10E-01	2.61E-01
4510	481363.09	3858877.25	0.5538	2.01E-01	2.26E-01	2.81E-01
4511	481863.09	3858877.25	0.59936	2.18E-01	2.45E-01	3.04E-01
4512	482363.09	3858877.25	0.63127	2.30E-01	2.58E-01	3.20E-01
4513	482863.09	3858877.25	0.69226	2.52E-01	2.83E-01	3.51E-01
4514	483363.09	3858877.25	0.66702	2.42E-01	2.72E-01	3.38E-01
4515	483863.09	3858877.25	0.71294	2.59E-01	2.91E-01	3.61E-01
4516	484363.09	3858877.25	0.76923	2.80E-01	3.14E-01	3.90E-01
4517	484863.09	3858877.25	0.83194	3.02E-01	3.40E-01	4.21E-01
4518	485363.09	3858877.25	0.93571	3.40E-01	3.82E-01	4.74E-01
4519	485863.09	3858877.25	1.09443	3.98E-01	4.47E-01	5.54E-01
4520	486363.09	3858877.25	1.28678	4.68E-01	5.26E-01	6.52E-01
4521	486863.09	3858877.25	1.54049	5.60E-01	6.29E-01	7.80E-01
4522	487363.09	3858877.25	1.93312	7.03E-01	7.90E-01	9.79E-01
4523	487863.09	3858877.25	2.60633	9.48E-01	1.06E+00	1.32E+00
4524	488363.09	3858877.25	4.46478	1.62E+00	1.82E+00	2.26E+00
4525	488863.09	3858877.25	11.76422	4.28E+00	4.81E+00	5.96E+00
4526	489363.09	3858877.25	5.43592	1.98E+00	2.22E+00	2.75E+00
4527	489863.09	3858877.25	4.1182	1.50E+00	1.68E+00	2.09E+00
4528	490363.09	3858877.25	2.59834	9.45E-01	1.06E+00	1.32E+00
4529	490863.09	3858877.25	1.37499	5.00E-01	5.62E-01	6.96E-01
4530	491363.09	3858877.25	0.77154	2.80E-01	3.15E-01	3.91E-01
4531	491863.09	3858877.25	0.68832	2.50E-01	2.81E-01	3.49E-01
4532	492363.09	3858877.25	0.73718	2.68E-01	3.01E-01	3.73E-01

4533	492863.09	3858877.25	0.73963	2.69E-01	3.02E-01	3.75E-01
4534	493363.09	3858877.25	0.73155	2.66E-01	2.99E-01	3.71E-01
4535	493863.09	3858877.25	0.74854	2.72E-01	3.06E-01	3.79E-01
4536	494363.09	3858877.25	0.657	2.39E-01	2.68E-01	3.33E-01
4537	494863.09	3858877.25	0.59249	2.15E-01	2.42E-01	3.00E-01
4538	495363.09	3858877.25	0.63199	2.30E-01	2.58E-01	3.20E-01
4539	495863.09	3858877.25	0.65547	2.38E-01	2.68E-01	3.32E-01
4540	496363.09	3858877.25	0.59957	2.18E-01	2.45E-01	3.04E-01
4541	496863.09	3858877.25	0.45381	1.65E-01	1.85E-01	2.30E-01
4542	497363.09	3858877.25	0.4264	1.55E-01	1.74E-01	2.16E-01
4543	497863.09	3858877.25	0.51062	1.86E-01	2.09E-01	2.59E-01
4544	498363.09	3858877.25	0.51173	1.86E-01	2.09E-01	2.59E-01
4545	471363.09	3859377.25	0.37229	1.35E-01	1.52E-01	1.89E-01
4546	471863.09	3859377.25	0.38261	1.39E-01	1.56E-01	1.94E-01
4547	472363.09	3859377.25	0.38755	1.41E-01	1.58E-01	1.96E-01
4548	472863.09	3859377.25	0.39407	1.43E-01	1.61E-01	2.00E-01
4549	473363.09	3859377.25	0.40126	1.46E-01	1.64E-01	2.03E-01
4550	473863.09	3859377.25	0.4036	1.47E-01	1.65E-01	2.04E-01
4551	474363.09	3859377.25	0.37003	1.35E-01	1.51E-01	1.87E-01
4552	474863.09	3859377.25	0.26114	9.49E-02	1.07E-01	1.32E-01
4553	475363.09	3859377.25	0.15505	5.64E-02	6.33E-02	7.85E-02
4554	475863.09	3859377.25	0.13806	5.02E-02	5.64E-02	6.99E-02
4555	476363.09	3859377.25	0.14673	5.33E-02	5.99E-02	7.43E-02
4556	476863.09	3859377.25	0.13774	5.01E-02	5.63E-02	6.98E-02
4557	477363.09	3859377.25	0.14002	5.09E-02	5.72E-02	7.09E-02
4558	477863.09	3859377.25	0.17867	6.50E-02	7.30E-02	9.05E-02
4559	478363.09	3859377.25	0.21012	7.64E-02	8.58E-02	1.06E-01
4560	478863.09	3859377.25	0.32568	1.18E-01	1.33E-01	1.65E-01
4561	479363.09	3859377.25	0.39304	1.43E-01	1.61E-01	1.99E-01
4562	479863.09	3859377.25	0.41111	1.49E-01	1.68E-01	2.08E-01
4563	480363.09	3859377.25	0.41422	1.51E-01	1.69E-01	2.10E-01
4564	480863.09	3859377.25	0.47508	1.73E-01	1.94E-01	2.41E-01
4565	481363.09	3859377.25	0.50557	1.84E-01	2.07E-01	2.56E-01
4566	481863.09	3859377.25	0.54834	1.99E-01	2.24E-01	2.78E-01
4567	482363.09	3859377.25	0.58842	2.14E-01	2.40E-01	2.98E-01
4568	482863.09	3859377.25	0.6533	2.38E-01	2.67E-01	3.31E-01
4569	483363.09	3859377.25	0.73291	2.66E-01	2.99E-01	3.71E-01
4570	483863.09	3859377.25	0.71413	2.60E-01	2.92E-01	3.62E-01
4571	484363.09	3859377.25	0.78425	2.85E-01	3.20E-01	3.97E-01
4572	484863.09	3859377.25	0.86744	3.15E-01	3.54E-01	4.39E-01
4573	485363.09	3859377.25	0.98253	3.57E-01	4.01E-01	4.98E-01
4574	485863.09	3859377.25	1.14398	4.16E-01	4.67E-01	5.79E-01
4575	486363.09	3859377.25	1.3556	4.93E-01	5.54E-01	6.87E-01
4576	486863.09	3859377.25	1.61739	5.88E-01	6.61E-01	8.19E-01
4577	487363.09	3859377.25	1.95644	7.11E-01	7.99E-01	9.91E-01
4578	487863.09	3859377.25	2.47535	9.00E-01	1.01E+00	1.25E+00
4579	488363.09	3859377.25	3.38446	1.23E+00	1.38E+00	1.71E+00
4580	488863.09	3859377.25	5.94903	2.16E+00	2.43E+00	3.01E+00
4581	489363.09	3859377.25	10.89547	3.96E+00	4.45E+00	5.52E+00
4582	489863.09	3859377.25	13.86087	5.04E+00	5.66E+00	7.02E+00
4583	490363.09	3859377.25	6.5299	2.37E+00	2.67E+00	3.31E+00
4584	490863.09	3859377.25	2.75493	1.00E+00	1.13E+00	1.40E+00
4585	491363.09	3859377.25	0.94279	3.43E-01	3.85E-01	4.78E-01
4586	491863.09	3859377.25	1.32224	4.81E-01	5.40E-01	6.70E-01
4587	492363.09	3859377.25	1.26752	4.61E-01	5.18E-01	6.42E-01
4588	492863.09	3859377.25	1.36567	4.96E-01	5.58E-01	6.92E-01
4589	493363.09	3859377.25	0.96452	3.51E-01	3.94E-01	4.89E-01
4590	493863.09	3859377.25	0.91545	3.33E-01	3.74E-01	4.64E-01
4591	494363.09	3859377.25	0.84345	3.07E-01	3.45E-01	4.27E-01
4592	494863.09	3859377.25	0.78299	2.85E-01	3.20E-01	3.97E-01
4593	495363.09	3859377.25	0.69226	2.52E-01	2.83E-01	3.51E-01
4594	495863.09	3859377.25	0.64083	2.33E-01	2.62E-01	3.25E-01
4595	496363.09	3859377.25	0.66082	2.40E-01	2.70E-01	3.35E-01

4596	496863.09	3859377.25	0.70019	2.55E-01	2.86E-01	3.55E-01
4597	497363.09	3859377.25	0.64286	2.34E-01	2.63E-01	3.26E-01
4598	497863.09	3859377.25	0.56038	2.04E-01	2.29E-01	2.84E-01
4599	498363.09	3859377.25	0.57824	2.10E-01	2.36E-01	2.93E-01
4600	471363.09	3859877.25	0.35131	1.28E-01	1.44E-01	1.78E-01
4601	471863.09	3859877.25	0.35922	1.31E-01	1.47E-01	1.82E-01
4602	472363.09	3859877.25	0.3724	1.35E-01	1.52E-01	1.89E-01
4603	472863.09	3859877.25	0.37778	1.37E-01	1.54E-01	1.91E-01
4604	473363.09	3859877.25	0.37935	1.38E-01	1.55E-01	1.92E-01
4605	473863.09	3859877.25	0.37625	1.37E-01	1.54E-01	1.91E-01
4606	474363.09	3859877.25	0.36516	1.33E-01	1.49E-01	1.85E-01
4607	474863.09	3859877.25	0.28981	1.05E-01	1.18E-01	1.47E-01
4608	475363.09	3859877.25	0.16948	6.16E-02	6.92E-02	8.58E-02
4609	475863.09	3859877.25	0.13622	4.95E-02	5.56E-02	6.90E-02
4610	476363.09	3859877.25	0.12212	4.44E-02	4.99E-02	6.19E-02
4611	476863.09	3859877.25	0.13606	4.95E-02	5.56E-02	6.89E-02
4612	477363.09	3859877.25	0.13859	5.04E-02	5.66E-02	7.02E-02
4613	477863.09	3859877.25	0.17035	6.19E-02	6.96E-02	8.63E-02
4614	478363.09	3859877.25	0.21706	7.89E-02	8.87E-02	1.10E-01
4615	478863.09	3859877.25	0.30498	1.11E-01	1.25E-01	1.54E-01
4616	479363.09	3859877.25	0.36331	1.32E-01	1.48E-01	1.84E-01
4617	479863.09	3859877.25	0.36818	1.34E-01	1.50E-01	1.86E-01
4618	480363.09	3859877.25	0.40861	1.49E-01	1.67E-01	2.07E-01
4619	480863.09	3859877.25	0.41621	1.51E-01	1.70E-01	2.11E-01
4620	481363.09	3859877.25	0.44155	1.61E-01	1.80E-01	2.24E-01
4621	481863.09	3859877.25	0.46534	1.69E-01	1.90E-01	2.36E-01
4622	482363.09	3859877.25	0.51759	1.88E-01	2.11E-01	2.62E-01
4623	482863.09	3859877.25	0.57299	2.08E-01	2.34E-01	2.90E-01
4624	483363.09	3859877.25	0.6309	2.29E-01	2.58E-01	3.20E-01
4625	483863.09	3859877.25	0.60826	2.21E-01	2.48E-01	3.08E-01
4626	484363.09	3859877.25	0.67247	2.44E-01	2.75E-01	3.41E-01
4627	484863.09	3859877.25	0.73378	2.67E-01	3.00E-01	3.72E-01
4628	485363.09	3859877.25	0.79927	2.91E-01	3.27E-01	4.05E-01
4629	485863.09	3859877.25	0.89157	3.24E-01	3.64E-01	4.52E-01
4630	486363.09	3859877.25	1.10687	4.02E-01	4.52E-01	5.61E-01
4631	486863.09	3859877.25	1.57303	5.72E-01	6.43E-01	7.97E-01
4632	487363.09	3859877.25	1.94501	7.07E-01	7.95E-01	9.85E-01
4633	487863.09	3859877.25	2.28923	8.32E-01	9.35E-01	1.16E+00
4634	488363.09	3859877.25	2.51976	9.16E-01	1.03E+00	1.28E+00
4635	488863.09	3859877.25	3.18967	1.16E+00	1.30E+00	1.62E+00
4636	489363.09	3859877.25	4.10553	1.49E+00	1.68E+00	2.08E+00
4637	489863.09	3859877.25	6.49412	2.36E+00	2.65E+00	3.29E+00
4638	490363.09	3859877.25	8.73549	3.18E+00	3.57E+00	4.42E+00
4639	490863.09	3859877.25	25.04349	9.10E+00	1.02E+01	1.27E+01
4640	491363.09	3859877.25	8.71871	3.17E+00	3.56E+00	4.42E+00
4641	491863.09	3859877.25	5.18699	1.89E+00	2.12E+00	2.63E+00
4642	492363.09	3859877.25	3.72253	1.35E+00	1.52E+00	1.89E+00
4643	492863.09	3859877.25	2.41315	8.77E-01	9.86E-01	1.22E+00
4644	493363.09	3859877.25	1.90001	6.91E-01	7.76E-01	9.62E-01
4645	493863.09	3859877.25	1.46694	5.33E-01	5.99E-01	7.43E-01
4646	494363.09	3859877.25	1.20439	4.38E-01	4.92E-01	6.10E-01
4647	494863.09	3859877.25	1.10899	4.03E-01	4.53E-01	5.62E-01
4648	495363.09	3859877.25	0.89882	3.27E-01	3.67E-01	4.55E-01
4649	495863.09	3859877.25	0.73141	2.66E-01	2.99E-01	3.70E-01
4650	496363.09	3859877.25	0.60458	2.20E-01	2.47E-01	3.06E-01
4651	496863.09	3859877.25	0.52167	1.90E-01	2.13E-01	2.64E-01
4652	497363.09	3859877.25	0.61066	2.22E-01	2.49E-01	3.09E-01
4653	497863.09	3859877.25	0.61814	2.25E-01	2.53E-01	3.13E-01
4654	498363.09	3859877.25	0.74479	2.71E-01	3.04E-01	3.77E-01
4655	471363.09	3860377.25	0.3369	1.22E-01	1.38E-01	1.71E-01
4656	471863.09	3860377.25	0.34171	1.24E-01	1.40E-01	1.73E-01
4657	472363.09	3860377.25	0.34566	1.26E-01	1.41E-01	1.75E-01
4658	472863.09	3860377.25	0.34846	1.27E-01	1.42E-01	1.76E-01

4659	473363.09	3860377.25	0.34867	1.27E-01	1.42E-01	1.77E-01
4660	473863.09	3860377.25	0.33533	1.22E-01	1.37E-01	1.70E-01
4661	474363.09	3860377.25	0.32666	1.19E-01	1.33E-01	1.65E-01
4662	474863.09	3860377.25	0.30363	1.10E-01	1.24E-01	1.54E-01
4663	475363.09	3860377.25	0.28694	1.04E-01	1.17E-01	1.45E-01
4664	475863.09	3860377.25	0.26725	9.72E-02	1.09E-01	1.35E-01
4665	476363.09	3860377.25	0.19171	6.97E-02	7.83E-02	9.71E-02
4666	476863.09	3860377.25	0.21082	7.66E-02	8.61E-02	1.07E-01
4667	477363.09	3860377.25	0.17415	6.33E-02	7.11E-02	8.82E-02
4668	477863.09	3860377.25	0.17178	6.25E-02	7.02E-02	8.70E-02
4669	478363.09	3860377.25	0.23626	8.59E-02	9.65E-02	1.20E-01
4670	478863.09	3860377.25	0.31194	1.13E-01	1.27E-01	1.58E-01
4671	479363.09	3860377.25	0.33993	1.24E-01	1.39E-01	1.72E-01
4672	479863.09	3860377.25	0.35573	1.29E-01	1.45E-01	1.80E-01
4673	480363.09	3860377.25	0.36548	1.33E-01	1.49E-01	1.85E-01
4674	480863.09	3860377.25	0.37915	1.38E-01	1.55E-01	1.92E-01
4675	481363.09	3860377.25	0.37334	1.36E-01	1.53E-01	1.89E-01
4676	481863.09	3860377.25	0.34343	1.25E-01	1.40E-01	1.74E-01
4677	482363.09	3860377.25	0.36458	1.33E-01	1.49E-01	1.85E-01
4678	482863.09	3860377.25	0.39861	1.45E-01	1.63E-01	2.02E-01
4679	483363.09	3860377.25	0.4415	1.61E-01	1.80E-01	2.24E-01
4680	483863.09	3860377.25	0.49145	1.79E-01	2.01E-01	2.49E-01
4681	484363.09	3860377.25	0.51126	1.86E-01	2.09E-01	2.59E-01
4682	484863.09	3860377.25	0.6004	2.18E-01	2.45E-01	3.04E-01
4683	485363.09	3860377.25	0.77066	2.80E-01	3.15E-01	3.90E-01
4684	485863.09	3860377.25	1.02423	3.72E-01	4.18E-01	5.19E-01
4685	486363.09	3860377.25	1.21954	4.43E-01	4.98E-01	6.18E-01
4686	486863.09	3860377.25	1.3316	4.84E-01	5.44E-01	6.74E-01
4687	487363.09	3860377.25	1.45311	5.28E-01	5.94E-01	7.36E-01
4688	487863.09	3860377.25	1.66264	6.04E-01	6.79E-01	8.42E-01
4689	488363.09	3860377.25	1.97042	7.16E-01	8.05E-01	9.98E-01
4690	488863.09	3860377.25	2.24843	8.17E-01	9.19E-01	1.14E+00
4691	489363.09	3860377.25	2.43707	8.86E-01	9.96E-01	1.23E+00
4692	489863.09	3860377.25	2.93989	1.07E+00	1.20E+00	1.49E+00
4693	490363.09	3860377.25	3.90632	1.42E+00	1.60E+00	1.98E+00
4694	490863.09	3860377.25	5.07809	1.85E+00	2.07E+00	2.57E+00
4695	491363.09	3860377.25	8.43223	3.07E+00	3.44E+00	4.27E+00
4696	491863.09	3860377.25	8.60987	3.13E+00	3.52E+00	4.36E+00
4697	492363.09	3860377.25	5.41349	1.97E+00	2.21E+00	2.74E+00
4698	492863.09	3860377.25	3.48231	1.27E+00	1.42E+00	1.76E+00
4699	493363.09	3860377.25	2.69518	9.80E-01	1.10E+00	1.37E+00
4700	493863.09	3860377.25	2.14504	7.80E-01	8.76E-01	1.09E+00
4701	494363.09	3860377.25	1.81092	6.58E-01	7.40E-01	9.17E-01
4702	494863.09	3860377.25	1.62838	5.92E-01	6.65E-01	8.25E-01
4703	495363.09	3860377.25	1.48415	5.40E-01	6.06E-01	7.52E-01
4704	495863.09	3860377.25	1.14527	4.16E-01	4.68E-01	5.80E-01
4705	496363.09	3860377.25	0.76687	2.79E-01	3.13E-01	3.88E-01
4706	496863.09	3860377.25	0.69423	2.52E-01	2.84E-01	3.52E-01
4707	497363.09	3860377.25	0.55539	2.02E-01	2.27E-01	2.81E-01
4708	497863.09	3860377.25	0.54336	1.98E-01	2.22E-01	2.75E-01
4709	498363.09	3860377.25	0.67027	2.44E-01	2.74E-01	3.39E-01
4710	471363.09	3860877.25	0.32471	1.18E-01	1.33E-01	1.64E-01
4711	471863.09	3860877.25	0.32881	1.20E-01	1.34E-01	1.67E-01
4712	472363.09	3860877.25	0.33092	1.20E-01	1.35E-01	1.68E-01
4713	472863.09	3860877.25	0.32533	1.18E-01	1.33E-01	1.65E-01
4714	473363.09	3860877.25	0.30774	1.12E-01	1.26E-01	1.56E-01
4715	473863.09	3860877.25	0.28761	1.05E-01	1.17E-01	1.46E-01
4716	474363.09	3860877.25	0.28521	1.04E-01	1.17E-01	1.44E-01
4717	474863.09	3860877.25	0.28581	1.04E-01	1.17E-01	1.45E-01
4718	475363.09	3860877.25	0.31608	1.15E-01	1.29E-01	1.60E-01
4719	475863.09	3860877.25	0.31958	1.16E-01	1.31E-01	1.62E-01
4720	476363.09	3860877.25	0.29096	1.06E-01	1.19E-01	1.47E-01
4721	476863.09	3860877.25	0.31446	1.14E-01	1.28E-01	1.59E-01

4722	477363.09	3860877.25	0.32438	1.18E-01	1.33E-01	1.64E-01
4723	477863.09	3860877.25	0.22806	8.29E-02	9.32E-02	1.16E-01
4724	478363.09	3860877.25	0.1722	6.26E-02	7.03E-02	8.72E-02
4725	478863.09	3860877.25	0.29952	1.09E-01	1.22E-01	1.52E-01
4726	479363.09	3860877.25	0.33602	1.22E-01	1.37E-01	1.70E-01
4727	479863.09	3860877.25	0.34624	1.26E-01	1.41E-01	1.75E-01
4728	480363.09	3860877.25	0.35473	1.29E-01	1.45E-01	1.80E-01
4729	480863.09	3860877.25	0.35738	1.30E-01	1.46E-01	1.81E-01
4730	481363.09	3860877.25	0.33505	1.22E-01	1.37E-01	1.70E-01
4731	481863.09	3860877.25	0.32916	1.20E-01	1.34E-01	1.67E-01
4732	482363.09	3860877.25	0.373	1.36E-01	1.52E-01	1.89E-01
4733	482863.09	3860877.25	0.41925	1.52E-01	1.71E-01	2.12E-01
4734	483363.09	3860877.25	0.46303	1.68E-01	1.89E-01	2.35E-01
4735	483863.09	3860877.25	0.49644	1.80E-01	2.03E-01	2.51E-01
4736	484363.09	3860877.25	0.5185	1.89E-01	2.12E-01	2.63E-01
4737	484863.09	3860877.25	0.66882	2.43E-01	2.73E-01	3.39E-01
4738	485363.09	3860877.25	0.79132	2.88E-01	3.23E-01	4.01E-01
4739	485863.09	3860877.25	0.8613	3.13E-01	3.52E-01	4.36E-01
4740	486363.09	3860877.25	0.89129	3.24E-01	3.64E-01	4.51E-01
4741	486863.09	3860877.25	0.94528	3.44E-01	3.86E-01	4.79E-01
4742	487363.09	3860877.25	1.02339	3.72E-01	4.18E-01	5.18E-01
4743	487863.09	3860877.25	1.10815	4.03E-01	4.53E-01	5.61E-01
4744	488363.09	3860877.25	1.38529	5.04E-01	5.66E-01	7.02E-01
4745	488863.09	3860877.25	1.48028	5.38E-01	6.05E-01	7.50E-01
4746	489363.09	3860877.25	1.68814	6.14E-01	6.90E-01	8.55E-01
4747	489863.09	3860877.25	1.84453	6.71E-01	7.54E-01	9.34E-01
4748	490363.09	3860877.25	2.17581	7.91E-01	8.89E-01	1.10E+00
4749	490863.09	3860877.25	2.42599	8.82E-01	9.91E-01	1.23E+00
4750	491363.09	3860877.25	2.8042	1.02E+00	1.15E+00	1.42E+00
4751	491863.09	3860877.25	3.62479	1.32E+00	1.48E+00	1.84E+00
4752	492363.09	3860877.25	3.72663	1.35E+00	1.52E+00	1.89E+00
4753	492863.09	3860877.25	3.36078	1.22E+00	1.37E+00	1.70E+00
4754	493363.09	3860877.25	2.4073	8.75E-01	9.83E-01	1.22E+00
4755	493863.09	3860877.25	1.72134	6.26E-01	7.03E-01	8.72E-01
4756	494363.09	3860877.25	1.59078	5.78E-01	6.50E-01	8.06E-01
4757	494863.09	3860877.25	1.55868	5.67E-01	6.37E-01	7.89E-01
4758	495363.09	3860877.25	1.42793	5.19E-01	5.83E-01	7.23E-01
4759	495863.09	3860877.25	1.23431	4.49E-01	5.04E-01	6.25E-01
4760	496363.09	3860877.25	1.14446	4.16E-01	4.68E-01	5.80E-01
4761	496863.09	3860877.25	0.89266	3.25E-01	3.65E-01	4.52E-01
4762	497363.09	3860877.25	0.85274	3.10E-01	3.48E-01	4.32E-01
4763	497863.09	3860877.25	0.77686	2.82E-01	3.17E-01	3.93E-01
4764	498363.09	3860877.25	0.8793	3.20E-01	3.59E-01	4.45E-01
4765	471363.09	3861377.25	0.31329	1.14E-01	1.28E-01	1.59E-01
4766	471863.09	3861377.25	0.31322	1.14E-01	1.28E-01	1.59E-01
4767	472363.09	3861377.25	0.30401	1.11E-01	1.24E-01	1.54E-01
4768	472863.09	3861377.25	0.2849	1.04E-01	1.16E-01	1.44E-01
4769	473363.09	3861377.25	0.26796	9.74E-02	1.09E-01	1.36E-01
4770	473863.09	3861377.25	0.27219	9.90E-02	1.11E-01	1.38E-01
4771	474363.09	3861377.25	0.28283	1.03E-01	1.16E-01	1.43E-01
4772	474863.09	3861377.25	0.30285	1.10E-01	1.24E-01	1.53E-01
4773	475363.09	3861377.25	0.30845	1.12E-01	1.26E-01	1.56E-01
4774	475863.09	3861377.25	0.30133	1.10E-01	1.23E-01	1.53E-01
4775	476363.09	3861377.25	0.31202	1.13E-01	1.27E-01	1.58E-01
4776	476863.09	3861377.25	0.31437	1.14E-01	1.28E-01	1.59E-01
4777	477363.09	3861377.25	0.31348	1.14E-01	1.28E-01	1.59E-01
4778	477863.09	3861377.25	0.31167	1.13E-01	1.27E-01	1.58E-01
4779	478363.09	3861377.25	0.19152	6.96E-02	7.82E-02	9.70E-02
4780	478863.09	3861377.25	0.22859	8.31E-02	9.34E-02	1.16E-01
4781	479363.09	3861377.25	0.32807	1.19E-01	1.34E-01	1.66E-01
4782	479863.09	3861377.25	0.33348	1.21E-01	1.36E-01	1.69E-01
4783	480363.09	3861377.25	0.34639	1.26E-01	1.42E-01	1.75E-01
4784	480863.09	3861377.25	0.33421	1.22E-01	1.37E-01	1.69E-01

4785	481363.09	3861377.25	0.3412	1.24E-01	1.39E-01	1.73E-01
4786	481863.09	3861377.25	0.36518	1.33E-01	1.49E-01	1.85E-01
4787	482363.09	3861377.25	0.38333	1.39E-01	1.57E-01	1.94E-01
4788	482863.09	3861377.25	0.39744	1.44E-01	1.62E-01	2.01E-01
4789	483363.09	3861377.25	0.4056	1.47E-01	1.66E-01	2.05E-01
4790	483863.09	3861377.25	0.48426	1.76E-01	1.98E-01	2.45E-01
4791	484363.09	3861377.25	0.58878	2.14E-01	2.41E-01	2.98E-01
4792	484863.09	3861377.25	0.64698	2.35E-01	2.64E-01	3.28E-01
4793	485363.09	3861377.25	0.68114	2.48E-01	2.78E-01	3.45E-01
4794	485863.09	3861377.25	0.72654	2.64E-01	2.97E-01	3.68E-01
4795	486363.09	3861377.25	0.76513	2.78E-01	3.13E-01	3.88E-01
4796	486863.09	3861377.25	0.79199	2.88E-01	3.24E-01	4.01E-01
4797	487363.09	3861377.25	0.84406	3.07E-01	3.45E-01	4.28E-01
4798	487863.09	3861377.25	0.98393	3.58E-01	4.02E-01	4.98E-01
4799	488363.09	3861377.25	1.14572	4.17E-01	4.68E-01	5.80E-01
4800	488863.09	3861377.25	1.22443	4.45E-01	5.00E-01	6.20E-01
4801	489363.09	3861377.25	1.24061	4.51E-01	5.07E-01	6.28E-01
4802	489863.09	3861377.25	1.33712	4.86E-01	5.46E-01	6.77E-01
4803	490363.09	3861377.25	1.57849	5.74E-01	6.45E-01	8.00E-01
4804	490863.09	3861377.25	1.43549	5.22E-01	5.86E-01	7.27E-01
4805	491363.09	3861377.25	1.46187	5.31E-01	5.97E-01	7.40E-01
4806	491863.09	3861377.25	1.7191	6.25E-01	7.02E-01	8.71E-01
4807	492363.09	3861377.25	2.41683	8.79E-01	9.87E-01	1.22E+00
4808	492863.09	3861377.25	2.00776	7.30E-01	8.20E-01	1.02E+00
4809	493363.09	3861377.25	2.03402	7.39E-01	8.31E-01	1.03E+00
4810	493863.09	3861377.25	1.89067	6.87E-01	7.72E-01	9.58E-01
4811	494363.09	3861377.25	1.48892	5.41E-01	6.08E-01	7.54E-01
4812	494863.09	3861377.25	1.18068	4.29E-01	4.82E-01	5.98E-01
4813	495363.09	3861377.25	0.95059	3.46E-01	3.88E-01	4.81E-01
4814	495863.09	3861377.25	0.81383	2.96E-01	3.32E-01	4.12E-01
4815	496363.09	3861377.25	0.89397	3.25E-01	3.65E-01	4.53E-01
4816	496863.09	3861377.25	0.98232	3.57E-01	4.01E-01	4.98E-01
4817	497363.09	3861377.25	0.95175	3.46E-01	3.89E-01	4.82E-01
4818	497863.09	3861377.25	0.88937	3.23E-01	3.63E-01	4.50E-01
4819	498363.09	3861377.25	0.86389	3.14E-01	3.53E-01	4.38E-01
4820	471363.09	3861877.25	0.29129	1.06E-01	1.19E-01	1.48E-01
4821	471863.09	3861877.25	0.2811	1.02E-01	1.15E-01	1.42E-01
4822	472363.09	3861877.25	0.26469	9.62E-02	1.08E-01	1.34E-01
4823	472863.09	3861877.25	0.25158	9.15E-02	1.03E-01	1.27E-01
4824	473363.09	3861877.25	0.258	9.38E-02	1.05E-01	1.31E-01
4825	473863.09	3861877.25	0.26748	9.72E-02	1.09E-01	1.35E-01
4826	474363.09	3861877.25	0.27197	9.89E-02	1.11E-01	1.38E-01
4827	474863.09	3861877.25	0.27082	9.85E-02	1.11E-01	1.37E-01
4828	475363.09	3861877.25	0.25973	9.44E-02	1.06E-01	1.32E-01
4829	475863.09	3861877.25	0.26327	9.57E-02	1.08E-01	1.33E-01
4830	476363.09	3861877.25	0.27356	9.95E-02	1.12E-01	1.39E-01
4831	476863.09	3861877.25	0.29631	1.08E-01	1.21E-01	1.50E-01
4832	477363.09	3861877.25	0.31073	1.13E-01	1.27E-01	1.57E-01
4833	477863.09	3861877.25	0.31009	1.13E-01	1.27E-01	1.57E-01
4834	478363.09	3861877.25	0.17644	6.41E-02	7.21E-02	8.94E-02
4835	478863.09	3861877.25	0.248	9.02E-02	1.01E-01	1.26E-01
4836	479363.09	3861877.25	0.22185	8.07E-02	9.06E-02	1.12E-01
4837	479863.09	3861877.25	0.32229	1.17E-01	1.32E-01	1.63E-01
4838	480363.09	3861877.25	0.3332	1.21E-01	1.36E-01	1.69E-01
4839	480863.09	3861877.25	0.3245	1.18E-01	1.33E-01	1.64E-01
4840	481363.09	3861877.25	0.32789	1.19E-01	1.34E-01	1.66E-01
4841	481863.09	3861877.25	0.34628	1.26E-01	1.41E-01	1.75E-01
4842	482363.09	3861877.25	0.35763	1.30E-01	1.46E-01	1.81E-01
4843	482863.09	3861877.25	0.39596	1.44E-01	1.62E-01	2.01E-01
4844	483363.09	3861877.25	0.44924	1.63E-01	1.84E-01	2.28E-01
4845	483863.09	3861877.25	0.49572	1.80E-01	2.03E-01	2.51E-01
4846	484363.09	3861877.25	0.52869	1.92E-01	2.16E-01	2.68E-01
4847	484863.09	3861877.25	0.56377	2.05E-01	2.30E-01	2.86E-01

4848	485363.09	3861877.25	0.59621	2.17E-01	2.44E-01	3.02E-01
4849	485863.09	3861877.25	0.6078	2.21E-01	2.48E-01	3.08E-01
4850	486363.09	3861877.25	0.61307	2.23E-01	2.50E-01	3.11E-01
4851	486863.09	3861877.25	0.67045	2.44E-01	2.74E-01	3.40E-01
4852	487363.09	3861877.25	0.78122	2.84E-01	3.19E-01	3.96E-01
4853	487863.09	3861877.25	0.90289	3.28E-01	3.69E-01	4.57E-01
4854	488363.09	3861877.25	0.91659	3.33E-01	3.74E-01	4.64E-01
4855	488863.09	3861877.25	0.92241	3.35E-01	3.77E-01	4.67E-01
4856	489363.09	3861877.25	0.95567	3.47E-01	3.90E-01	4.84E-01
4857	489863.09	3861877.25	0.98643	3.59E-01	4.03E-01	5.00E-01
4858	490363.09	3861877.25	1.01408	3.69E-01	4.14E-01	5.14E-01
4859	490863.09	3861877.25	1.01525	3.69E-01	4.15E-01	5.14E-01
4860	491363.09	3861877.25	1.08949	3.96E-01	4.45E-01	5.52E-01
4861	491863.09	3861877.25	1.21928	4.43E-01	4.98E-01	6.18E-01
4862	492363.09	3861877.25	1.55031	5.64E-01	6.33E-01	7.85E-01
4863	492863.09	3861877.25	1.70463	6.20E-01	6.96E-01	8.63E-01
4864	493363.09	3861877.25	1.39663	5.08E-01	5.71E-01	7.07E-01
4865	493863.09	3861877.25	1.10932	4.03E-01	4.53E-01	5.62E-01
4866	494363.09	3861877.25	1.27276	4.63E-01	5.20E-01	6.45E-01
4867	494863.09	3861877.25	1.21072	4.40E-01	4.95E-01	6.13E-01
4868	495363.09	3861877.25	1.0516	3.82E-01	4.30E-01	5.33E-01
4869	495863.09	3861877.25	0.92691	3.37E-01	3.79E-01	4.69E-01
4870	496363.09	3861877.25	0.73044	2.66E-01	2.98E-01	3.70E-01
4871	496863.09	3861877.25	0.77939	2.83E-01	3.18E-01	3.95E-01
4872	497363.09	3861877.25	0.60358	2.19E-01	2.47E-01	3.06E-01
4873	497863.09	3861877.25	0.51547	1.87E-01	2.11E-01	2.61E-01
4874	498363.09	3861877.25	0.58813	2.14E-01	2.40E-01	2.98E-01
4875	471363.09	3862377.25	0.2535	9.22E-02	1.04E-01	1.28E-01
4876	471863.09	3862377.25	0.24459	8.89E-02	9.99E-02	1.24E-01
4877	472363.09	3862377.25	0.22841	8.30E-02	9.33E-02	1.16E-01
4878	472863.09	3862377.25	0.23435	8.52E-02	9.57E-02	1.19E-01
4879	473363.09	3862377.25	0.24326	8.84E-02	9.94E-02	1.23E-01
4880	473863.09	3862377.25	0.23828	8.66E-02	9.73E-02	1.21E-01
4881	474363.09	3862377.25	0.23769	8.64E-02	9.71E-02	1.20E-01
4882	474863.09	3862377.25	0.24593	8.94E-02	1.00E-01	1.25E-01
4883	475363.09	3862377.25	0.24925	9.06E-02	1.02E-01	1.26E-01
4884	475863.09	3862377.25	0.25054	9.11E-02	1.02E-01	1.27E-01
4885	476363.09	3862377.25	0.25571	9.30E-02	1.04E-01	1.30E-01
4886	476863.09	3862377.25	0.2723	9.90E-02	1.11E-01	1.38E-01
4887	477363.09	3862377.25	0.30577	1.11E-01	1.25E-01	1.55E-01
4888	477863.09	3862377.25	0.30174	1.10E-01	1.23E-01	1.53E-01
4889	478363.09	3862377.25	0.28994	1.05E-01	1.18E-01	1.47E-01
4890	478863.09	3862377.25	0.2755	1.00E-01	1.13E-01	1.40E-01
4891	479363.09	3862377.25	0.30294	1.10E-01	1.24E-01	1.53E-01
4892	479863.09	3862377.25	0.33909	1.23E-01	1.39E-01	1.72E-01
4893	480363.09	3862377.25	0.36621	1.33E-01	1.50E-01	1.85E-01
4894	480863.09	3862377.25	0.3459	1.26E-01	1.41E-01	1.75E-01
4895	481363.09	3862377.25	0.32478	1.18E-01	1.33E-01	1.65E-01
4896	481863.09	3862377.25	0.32173	1.17E-01	1.31E-01	1.63E-01
4897	482363.09	3862377.25	0.36555	1.33E-01	1.49E-01	1.85E-01
4898	482863.09	3862377.25	0.39245	1.43E-01	1.60E-01	1.99E-01
4899	483363.09	3862377.25	0.42787	1.56E-01	1.75E-01	2.17E-01
4900	483863.09	3862377.25	0.46689	1.70E-01	1.91E-01	2.36E-01
4901	484363.09	3862377.25	0.44825	1.63E-01	1.83E-01	2.27E-01
4902	484863.09	3862377.25	0.47706	1.73E-01	1.95E-01	2.42E-01
4903	485363.09	3862377.25	0.49131	1.79E-01	2.01E-01	2.49E-01
4904	485863.09	3862377.25	0.51283	1.86E-01	2.09E-01	2.60E-01
4905	486363.09	3862377.25	0.572	2.08E-01	2.34E-01	2.90E-01
4906	486863.09	3862377.25	0.6517	2.37E-01	2.66E-01	3.30E-01
4907	487363.09	3862377.25	0.68364	2.49E-01	2.79E-01	3.46E-01
4908	487863.09	3862377.25	0.75604	2.75E-01	3.09E-01	3.83E-01
4909	488363.09	3862377.25	0.78171	2.84E-01	3.19E-01	3.96E-01
4910	488863.09	3862377.25	0.81601	2.97E-01	3.33E-01	4.13E-01

4911	489363.09	3862377.25	0.80063	2.91E-01	3.27E-01	4.06E-01
4912	489863.09	3862377.25	0.67678	2.46E-01	2.76E-01	3.43E-01
4913	490363.09	3862377.25	0.72731	2.64E-01	2.97E-01	3.68E-01
4914	490863.09	3862377.25	0.89447	3.25E-01	3.65E-01	4.53E-01
4915	491363.09	3862377.25	0.88477	3.22E-01	3.61E-01	4.48E-01
4916	491863.09	3862377.25	0.95291	3.46E-01	3.89E-01	4.83E-01
4917	492363.09	3862377.25	1.01212	3.68E-01	4.13E-01	5.13E-01
4918	492863.09	3862377.25	1.32802	4.83E-01	5.43E-01	6.73E-01
4919	493363.09	3862377.25	1.30782	4.75E-01	5.34E-01	6.62E-01
4920	493863.09	3862377.25	1.12374	4.09E-01	4.59E-01	5.69E-01
4921	494363.09	3862377.25	0.9683	3.52E-01	3.96E-01	4.90E-01
4922	494863.09	3862377.25	0.86817	3.16E-01	3.55E-01	4.40E-01
4923	495363.09	3862377.25	0.9172	3.33E-01	3.75E-01	4.65E-01
4924	495863.09	3862377.25	0.85401	3.10E-01	3.49E-01	4.33E-01
4925	496363.09	3862377.25	0.81128	2.95E-01	3.31E-01	4.11E-01
4926	496863.09	3862377.25	0.76416	2.78E-01	3.12E-01	3.87E-01
4927	497363.09	3862377.25	0.60722	2.21E-01	2.48E-01	3.08E-01
4928	497863.09	3862377.25	0.49146	1.79E-01	2.01E-01	2.49E-01
4929	498363.09	3862377.25	0.45067	1.64E-01	1.84E-01	2.28E-01
4930	471363.09	3862877.25	0.21882	7.96E-02	8.94E-02	1.11E-01
4931	471863.09	3862877.25	0.21572	7.84E-02	8.81E-02	1.09E-01
4932	472363.09	3862877.25	0.21644	7.87E-02	8.84E-02	1.10E-01
4933	472863.09	3862877.25	0.23083	8.39E-02	9.43E-02	1.17E-01
4934	473363.09	3862877.25	0.23711	8.62E-02	9.69E-02	1.20E-01
4935	473863.09	3862877.25	0.23207	8.44E-02	9.48E-02	1.18E-01
4936	474363.09	3862877.25	0.23168	8.42E-02	9.46E-02	1.17E-01
4937	474863.09	3862877.25	0.23686	8.61E-02	9.68E-02	1.20E-01
4938	475363.09	3862877.25	0.23842	8.67E-02	9.74E-02	1.21E-01
4939	475863.09	3862877.25	0.23905	8.69E-02	9.77E-02	1.21E-01
4940	476363.09	3862877.25	0.24379	8.86E-02	9.96E-02	1.23E-01
4941	476863.09	3862877.25	0.25973	9.44E-02	1.06E-01	1.32E-01
4942	477363.09	3862877.25	0.28739	1.04E-01	1.17E-01	1.46E-01
4943	477863.09	3862877.25	0.30837	1.12E-01	1.26E-01	1.56E-01
4944	478363.09	3862877.25	0.30327	1.10E-01	1.24E-01	1.54E-01
4945	478863.09	3862877.25	0.30273	1.10E-01	1.24E-01	1.53E-01
4946	479363.09	3862877.25	0.29614	1.08E-01	1.21E-01	1.50E-01
4947	479863.09	3862877.25	0.35318	1.28E-01	1.44E-01	1.79E-01
4948	480363.09	3862877.25	0.34147	1.24E-01	1.39E-01	1.73E-01
4949	480863.09	3862877.25	0.31914	1.16E-01	1.30E-01	1.62E-01
4950	481363.09	3862877.25	0.31372	1.14E-01	1.28E-01	1.59E-01
4951	481863.09	3862877.25	0.34128	1.24E-01	1.39E-01	1.73E-01
4952	482363.09	3862877.25	0.35938	1.31E-01	1.47E-01	1.82E-01
4953	482863.09	3862877.25	0.38716	1.41E-01	1.58E-01	1.96E-01
4954	483363.09	3862877.25	0.44328	1.61E-01	1.81E-01	2.25E-01
4955	483863.09	3862877.25	0.47464	1.73E-01	1.94E-01	2.40E-01
4956	484363.09	3862877.25	0.45667	1.66E-01	1.87E-01	2.31E-01
4957	484863.09	3862877.25	0.42573	1.55E-01	1.74E-01	2.16E-01
4958	485363.09	3862877.25	0.43777	1.59E-01	1.79E-01	2.22E-01
4959	485863.09	3862877.25	0.50046	1.82E-01	2.04E-01	2.53E-01
4960	486363.09	3862877.25	0.53027	1.93E-01	2.17E-01	2.69E-01
4961	486863.09	3862877.25	0.54953	2.00E-01	2.24E-01	2.78E-01
4962	487363.09	3862877.25	0.62167	2.26E-01	2.54E-01	3.15E-01
4963	487863.09	3862877.25	0.68543	2.49E-01	2.80E-01	3.47E-01
4964	488363.09	3862877.25	0.69966	2.54E-01	2.86E-01	3.54E-01
4965	488863.09	3862877.25	0.66279	2.41E-01	2.71E-01	3.36E-01
4966	489363.09	3862877.25	0.61629	2.24E-01	2.52E-01	3.12E-01
4967	489863.09	3862877.25	0.60422	2.20E-01	2.47E-01	3.06E-01
4968	490363.09	3862877.25	0.5768	2.10E-01	2.36E-01	2.92E-01
4969	490863.09	3862877.25	0.74708	2.72E-01	3.05E-01	3.78E-01
4970	491363.09	3862877.25	0.76444	2.78E-01	3.12E-01	3.87E-01
4971	491863.09	3862877.25	0.8205	2.98E-01	3.35E-01	4.16E-01
4972	492363.09	3862877.25	0.7239	2.63E-01	2.96E-01	3.67E-01
4973	492863.09	3862877.25	0.99356	3.61E-01	4.06E-01	5.03E-01

4974	493363.09	3862877.25	0.97111	3.53E-01	3.97E-01	4.92E-01
4975	493863.09	3862877.25	1.04613	3.80E-01	4.27E-01	5.30E-01
4976	494363.09	3862877.25	0.93993	3.42E-01	3.84E-01	4.76E-01
4977	494863.09	3862877.25	0.87192	3.17E-01	3.56E-01	4.42E-01
4978	495363.09	3862877.25	0.69222	2.52E-01	2.83E-01	3.51E-01
4979	495863.09	3862877.25	0.70736	2.57E-01	2.89E-01	3.58E-01
4980	496363.09	3862877.25	0.726	2.64E-01	2.97E-01	3.68E-01
4981	496863.09	3862877.25	0.6919	2.52E-01	2.83E-01	3.50E-01
4982	497363.09	3862877.25	0.65395	2.38E-01	2.67E-01	3.31E-01
4983	497863.09	3862877.25	0.61572	2.24E-01	2.52E-01	3.12E-01
4984	498363.09	3862877.25	0.55145	2.00E-01	2.25E-01	2.79E-01
4985	471363.09	3863377.25	0.20966	7.62E-02	8.56E-02	1.06E-01
4986	471863.09	3863377.25	0.20904	7.60E-02	8.54E-02	1.06E-01
4987	472363.09	3863377.25	0.20768	7.55E-02	8.48E-02	1.05E-01
4988	472863.09	3863377.25	0.2274	8.27E-02	9.29E-02	1.15E-01
4989	473363.09	3863377.25	0.23105	8.40E-02	9.44E-02	1.17E-01
4990	473863.09	3863377.25	0.22606	8.22E-02	9.23E-02	1.15E-01
4991	474363.09	3863377.25	0.22419	8.15E-02	9.16E-02	1.14E-01
4992	474863.09	3863377.25	0.22367	8.13E-02	9.14E-02	1.13E-01
4993	475363.09	3863377.25	0.23525	8.55E-02	9.61E-02	1.19E-01
4994	475863.09	3863377.25	0.25435	9.25E-02	1.04E-01	1.29E-01
4995	476363.09	3863377.25	0.27663	1.01E-01	1.13E-01	1.40E-01
4996	476863.09	3863377.25	0.30071	1.09E-01	1.23E-01	1.52E-01
4997	477363.09	3863377.25	0.32246	1.17E-01	1.32E-01	1.63E-01
4998	477863.09	3863377.25	0.32955	1.20E-01	1.35E-01	1.67E-01
4999	478363.09	3863377.25	0.30553	1.11E-01	1.25E-01	1.55E-01
5000	478863.09	3863377.25	0.30148	1.10E-01	1.23E-01	1.53E-01
5001	479363.09	3863377.25	0.32215	1.17E-01	1.32E-01	1.63E-01
5002	479863.09	3863377.25	0.31772	1.16E-01	1.30E-01	1.61E-01
5003	480363.09	3863377.25	0.29095	1.06E-01	1.19E-01	1.47E-01
5004	480863.09	3863377.25	0.30701	1.12E-01	1.25E-01	1.56E-01
5005	481363.09	3863377.25	0.32362	1.18E-01	1.32E-01	1.64E-01
5006	481863.09	3863377.25	0.33395	1.21E-01	1.36E-01	1.69E-01
5007	482363.09	3863377.25	0.35896	1.31E-01	1.47E-01	1.82E-01
5008	482863.09	3863377.25	0.39655	1.44E-01	1.62E-01	2.01E-01
5009	483363.09	3863377.25	0.43777	1.59E-01	1.79E-01	2.22E-01
5010	483863.09	3863377.25	0.47046	1.71E-01	1.92E-01	2.38E-01
5011	484363.09	3863377.25	0.46957	1.71E-01	1.92E-01	2.38E-01
5012	484863.09	3863377.25	0.43195	1.57E-01	1.76E-01	2.19E-01
5013	485363.09	3863377.25	0.43815	1.59E-01	1.79E-01	2.22E-01
5014	485863.09	3863377.25	0.45579	1.66E-01	1.86E-01	2.31E-01
5015	486363.09	3863377.25	0.45186	1.64E-01	1.85E-01	2.29E-01
5016	486863.09	3863377.25	0.48821	1.77E-01	1.99E-01	2.47E-01
5017	487363.09	3863377.25	0.59468	2.16E-01	2.43E-01	3.01E-01
5018	487863.09	3863377.25	0.60628	2.20E-01	2.48E-01	3.07E-01
5019	488363.09	3863377.25	0.56219	2.04E-01	2.30E-01	2.85E-01
5020	488863.09	3863377.25	0.54372	1.98E-01	2.22E-01	2.75E-01
5021	489363.09	3863377.25	0.57788	2.10E-01	2.36E-01	2.93E-01
5022	489863.09	3863377.25	0.5801	2.11E-01	2.37E-01	2.94E-01
5023	490363.09	3863377.25	0.50246	1.83E-01	2.05E-01	2.55E-01
5024	490863.09	3863377.25	0.59723	2.17E-01	2.44E-01	3.03E-01
5025	491363.09	3863377.25	0.64668	2.35E-01	2.64E-01	3.28E-01
5026	491863.09	3863377.25	0.72527	2.64E-01	2.96E-01	3.67E-01
5027	492363.09	3863377.25	0.61153	2.22E-01	2.50E-01	3.10E-01
5028	492863.09	3863377.25	0.72844	2.65E-01	2.98E-01	3.69E-01
5029	493363.09	3863377.25	1.04972	3.82E-01	4.29E-01	5.32E-01
5030	493863.09	3863377.25	0.89079	3.24E-01	3.64E-01	4.51E-01
5031	494363.09	3863377.25	0.87897	3.20E-01	3.59E-01	4.45E-01
5032	494863.09	3863377.25	0.88503	3.22E-01	3.62E-01	4.48E-01
5033	495363.09	3863377.25	0.84422	3.07E-01	3.45E-01	4.28E-01
5034	495863.09	3863377.25	0.70841	2.58E-01	2.89E-01	3.59E-01
5035	496363.09	3863377.25	0.55617	2.02E-01	2.27E-01	2.82E-01
5036	496863.09	3863377.25	0.57656	2.10E-01	2.36E-01	2.92E-01

5037	497363.09	3863377.25	0.59187	2.15E-01	2.42E-01	3.00E-01
5038	497863.09	3863377.25	0.57871	2.10E-01	2.36E-01	2.93E-01
5039	498363.09	3863377.25	0.54301	1.97E-01	2.22E-01	2.75E-01
5040	471363.09	3863877.25	0.21574	7.84E-02	8.81E-02	1.09E-01
5041	471863.09	3863877.25	0.2172	7.90E-02	8.87E-02	1.10E-01
5042	472363.09	3863877.25	0.21589	7.85E-02	8.82E-02	1.09E-01
5043	472863.09	3863877.25	0.22404	8.15E-02	9.15E-02	1.13E-01
5044	473363.09	3863877.25	0.22455	8.16E-02	9.17E-02	1.14E-01
5045	473863.09	3863877.25	0.22804	8.29E-02	9.32E-02	1.16E-01
5046	474363.09	3863877.25	0.23928	8.70E-02	9.77E-02	1.21E-01
5047	474863.09	3863877.25	0.24236	8.81E-02	9.90E-02	1.23E-01
5048	475363.09	3863877.25	0.26697	9.71E-02	1.09E-01	1.35E-01
5049	475863.09	3863877.25	0.27503	1.00E-01	1.12E-01	1.39E-01
5050	476363.09	3863877.25	0.29483	1.07E-01	1.20E-01	1.49E-01
5051	476863.09	3863877.25	0.29734	1.08E-01	1.21E-01	1.51E-01
5052	477363.09	3863877.25	0.30624	1.11E-01	1.25E-01	1.55E-01
5053	477863.09	3863877.25	0.30352	1.10E-01	1.24E-01	1.54E-01
5054	478363.09	3863877.25	0.30477	1.11E-01	1.25E-01	1.54E-01
5055	478863.09	3863877.25	0.30091	1.09E-01	1.23E-01	1.52E-01
5056	479363.09	3863877.25	0.29472	1.07E-01	1.20E-01	1.49E-01
5057	479863.09	3863877.25	0.29118	1.06E-01	1.19E-01	1.47E-01
5058	480363.09	3863877.25	0.29605	1.08E-01	1.21E-01	1.50E-01
5059	480863.09	3863877.25	0.30209	1.10E-01	1.23E-01	1.53E-01
5060	481363.09	3863877.25	0.30731	1.12E-01	1.26E-01	1.56E-01
5061	481863.09	3863877.25	0.33579	1.22E-01	1.37E-01	1.70E-01
5062	482363.09	3863877.25	0.36404	1.32E-01	1.49E-01	1.84E-01
5063	482863.09	3863877.25	0.39021	1.42E-01	1.59E-01	1.98E-01
5064	483363.09	3863877.25	0.42842	1.56E-01	1.75E-01	2.17E-01
5065	483863.09	3863877.25	0.46882	1.70E-01	1.92E-01	2.37E-01
5066	484363.09	3863877.25	0.46416	1.69E-01	1.90E-01	2.35E-01
5067	484863.09	3863877.25	0.41079	1.49E-01	1.68E-01	2.08E-01
5068	485363.09	3863877.25	0.39998	1.45E-01	1.63E-01	2.03E-01
5069	485863.09	3863877.25	0.38451	1.40E-01	1.57E-01	1.95E-01
5070	486363.09	3863877.25	0.40799	1.48E-01	1.67E-01	2.07E-01
5071	486863.09	3863877.25	0.48785	1.77E-01	1.99E-01	2.47E-01
5072	487363.09	3863877.25	0.52687	1.92E-01	2.15E-01	2.67E-01
5073	487863.09	3863877.25	0.48758	1.77E-01	1.99E-01	2.47E-01
5074	488363.09	3863877.25	0.46928	1.71E-01	1.92E-01	2.38E-01
5075	488863.09	3863877.25	0.49407	1.80E-01	2.02E-01	2.50E-01
5076	489363.09	3863877.25	0.53098	1.93E-01	2.17E-01	2.69E-01
5077	489863.09	3863877.25	0.50354	1.83E-01	2.06E-01	2.55E-01
5078	490363.09	3863877.25	0.43582	1.58E-01	1.78E-01	2.21E-01
5079	490863.09	3863877.25	0.46588	1.69E-01	1.90E-01	2.36E-01
5080	491363.09	3863877.25	0.55046	2.00E-01	2.25E-01	2.79E-01
5081	491863.09	3863877.25	0.67301	2.45E-01	2.75E-01	3.41E-01
5082	492363.09	3863877.25	0.60711	2.21E-01	2.48E-01	3.08E-01
5083	492863.09	3863877.25	0.55067	2.00E-01	2.25E-01	2.79E-01
5084	493363.09	3863877.25	0.71631	2.60E-01	2.93E-01	3.63E-01
5085	493863.09	3863877.25	0.84718	3.08E-01	3.46E-01	4.29E-01
5086	494363.09	3863877.25	0.89555	3.26E-01	3.66E-01	4.54E-01
5087	494863.09	3863877.25	0.8878	3.23E-01	3.63E-01	4.50E-01
5088	495363.09	3863877.25	0.8934	3.25E-01	3.65E-01	4.53E-01
5089	495863.09	3863877.25	0.77131	2.80E-01	3.15E-01	3.91E-01
5090	496363.09	3863877.25	0.62505	2.27E-01	2.55E-01	3.17E-01
5091	496863.09	3863877.25	0.52047	1.89E-01	2.13E-01	2.64E-01
5092	497363.09	3863877.25	0.46471	1.69E-01	1.90E-01	2.35E-01
5093	497863.09	3863877.25	0.49154	1.79E-01	2.01E-01	2.49E-01
5094	498363.09	3863877.25	0.50916	1.85E-01	2.08E-01	2.58E-01
5095	471363.09	3864377.25	0.21749	7.91E-02	8.88E-02	1.10E-01
5096	471863.09	3864377.25	0.21438	7.79E-02	8.76E-02	1.09E-01
5097	472363.09	3864377.25	0.21889	7.96E-02	8.94E-02	1.11E-01
5098	472863.09	3864377.25	0.23095	8.40E-02	9.43E-02	1.17E-01
5099	473363.09	3864377.25	0.238	8.65E-02	9.72E-02	1.21E-01

5100	473863.09	3864377.25	0.24198	8.80E-02	9.89E-02	1.23E-01
5101	474363.09	3864377.25	0.25308	9.20E-02	1.03E-01	1.28E-01
5102	474863.09	3864377.25	0.24919	9.06E-02	1.02E-01	1.26E-01
5103	475363.09	3864377.25	0.26265	9.55E-02	1.07E-01	1.33E-01
5104	475863.09	3864377.25	0.26696	9.71E-02	1.09E-01	1.35E-01
5105	476363.09	3864377.25	0.27343	9.94E-02	1.12E-01	1.38E-01
5106	476863.09	3864377.25	0.27601	1.00E-01	1.13E-01	1.40E-01
5107	477363.09	3864377.25	0.25597	9.31E-02	1.05E-01	1.30E-01
5108	477863.09	3864377.25	0.25842	9.40E-02	1.06E-01	1.31E-01
5109	478363.09	3864377.25	0.28093	1.02E-01	1.15E-01	1.42E-01
5110	478863.09	3864377.25	0.29407	1.07E-01	1.20E-01	1.49E-01
5111	479363.09	3864377.25	0.29196	1.06E-01	1.19E-01	1.48E-01
5112	479863.09	3864377.25	0.28368	1.03E-01	1.16E-01	1.44E-01
5113	480363.09	3864377.25	0.27892	1.01E-01	1.14E-01	1.41E-01
5114	480863.09	3864377.25	0.27542	1.00E-01	1.13E-01	1.40E-01
5115	481363.09	3864377.25	0.30097	1.09E-01	1.23E-01	1.52E-01
5116	481863.09	3864377.25	0.33025	1.20E-01	1.35E-01	1.67E-01
5117	482363.09	3864377.25	0.35419	1.29E-01	1.45E-01	1.79E-01
5118	482863.09	3864377.25	0.38294	1.39E-01	1.56E-01	1.94E-01
5119	483363.09	3864377.25	0.4218	1.53E-01	1.72E-01	2.14E-01
5120	483863.09	3864377.25	0.44867	1.63E-01	1.83E-01	2.27E-01
5121	484363.09	3864377.25	0.43149	1.57E-01	1.76E-01	2.19E-01
5122	484863.09	3864377.25	0.37338	1.36E-01	1.53E-01	1.89E-01
5123	485363.09	3864377.25	0.3636	1.32E-01	1.49E-01	1.84E-01
5124	485863.09	3864377.25	0.35132	1.28E-01	1.44E-01	1.78E-01
5125	486363.09	3864377.25	0.38607	1.40E-01	1.58E-01	1.96E-01
5126	486863.09	3864377.25	0.44451	1.62E-01	1.82E-01	2.25E-01
5127	487363.09	3864377.25	0.42982	1.56E-01	1.76E-01	2.18E-01
5128	487863.09	3864377.25	0.42223	1.54E-01	1.72E-01	2.14E-01
5129	488363.09	3864377.25	0.43531	1.58E-01	1.78E-01	2.20E-01
5130	488863.09	3864377.25	0.4565	1.66E-01	1.86E-01	2.31E-01
5131	489363.09	3864377.25	0.46988	1.71E-01	1.92E-01	2.38E-01
5132	489863.09	3864377.25	0.38526	1.40E-01	1.57E-01	1.95E-01
5133	490363.09	3864377.25	0.37911	1.38E-01	1.55E-01	1.92E-01
5134	490863.09	3864377.25	0.3795	1.38E-01	1.55E-01	1.92E-01
5135	491363.09	3864377.25	0.46514	1.69E-01	1.90E-01	2.36E-01
5136	491863.09	3864377.25	0.3334	1.21E-01	1.36E-01	1.69E-01
5137	492363.09	3864377.25	0.42876	1.56E-01	1.75E-01	2.17E-01
5138	492863.09	3864377.25	0.31608	1.15E-01	1.29E-01	1.60E-01
5139	493363.09	3864377.25	0.37072	1.35E-01	1.51E-01	1.88E-01
5140	493863.09	3864377.25	0.6434	2.34E-01	2.63E-01	3.26E-01
5141	494363.09	3864377.25	0.582	2.12E-01	2.38E-01	2.95E-01
5142	494863.09	3864377.25	0.79802	2.90E-01	3.26E-01	4.04E-01
5143	495363.09	3864377.25	0.83445	3.03E-01	3.41E-01	4.23E-01
5144	495863.09	3864377.25	0.84309	3.07E-01	3.44E-01	4.27E-01
5145	496363.09	3864377.25	0.66983	2.44E-01	2.74E-01	3.39E-01
5146	496863.09	3864377.25	0.60736	2.21E-01	2.48E-01	3.08E-01
5147	497363.09	3864377.25	0.4701	1.71E-01	1.92E-01	2.38E-01
5148	497863.09	3864377.25	0.43102	1.57E-01	1.76E-01	2.18E-01
5149	498363.09	3864377.25	0.39696	1.44E-01	1.62E-01	2.01E-01
5150	471363.09	3864877.25	0.21716	7.89E-02	8.87E-02	1.10E-01
5151	471863.09	3864877.25	0.22842	8.30E-02	9.33E-02	1.16E-01
5152	472363.09	3864877.25	0.23807	8.66E-02	9.73E-02	1.21E-01
5153	472863.09	3864877.25	0.24571	8.93E-02	1.00E-01	1.24E-01
5154	473363.09	3864877.25	0.23786	8.65E-02	9.72E-02	1.20E-01
5155	473863.09	3864877.25	0.238	8.65E-02	9.72E-02	1.21E-01
5156	474363.09	3864877.25	0.24065	8.75E-02	9.83E-02	1.22E-01
5157	474863.09	3864877.25	0.24066	8.75E-02	9.83E-02	1.22E-01
5158	475363.09	3864877.25	0.23894	8.69E-02	9.76E-02	1.21E-01
5159	475863.09	3864877.25	0.23225	8.44E-02	9.49E-02	1.18E-01
5160	476363.09	3864877.25	0.22408	8.15E-02	9.15E-02	1.13E-01
5161	476863.09	3864877.25	0.23571	8.57E-02	9.63E-02	1.19E-01
5162	477363.09	3864877.25	0.2601	9.46E-02	1.06E-01	1.32E-01

5163	477863.09	3864877.25	0.27786	1.01E-01	1.14E-01	1.41E-01
5164	478363.09	3864877.25	0.28852	1.05E-01	1.18E-01	1.46E-01
5165	478863.09	3864877.25	0.28627	1.04E-01	1.17E-01	1.45E-01
5166	479363.09	3864877.25	0.27014	9.82E-02	1.10E-01	1.37E-01
5167	479863.09	3864877.25	0.25232	9.17E-02	1.03E-01	1.28E-01
5168	480363.09	3864877.25	0.25213	9.17E-02	1.03E-01	1.28E-01
5169	480863.09	3864877.25	0.2641	9.60E-02	1.08E-01	1.34E-01
5170	481363.09	3864877.25	0.28975	1.05E-01	1.18E-01	1.47E-01
5171	481863.09	3864877.25	0.31485	1.14E-01	1.29E-01	1.59E-01
5172	482363.09	3864877.25	0.3434	1.25E-01	1.40E-01	1.74E-01
5173	482863.09	3864877.25	0.37409	1.36E-01	1.53E-01	1.89E-01
5174	483363.09	3864877.25	0.39922	1.45E-01	1.63E-01	2.02E-01
5175	483863.09	3864877.25	0.4086	1.49E-01	1.67E-01	2.07E-01
5176	484363.09	3864877.25	0.38998	1.42E-01	1.59E-01	1.98E-01
5177	484863.09	3864877.25	0.33664	1.22E-01	1.38E-01	1.71E-01
5178	485363.09	3864877.25	0.32081	1.17E-01	1.31E-01	1.62E-01
5179	485863.09	3864877.25	0.31726	1.15E-01	1.30E-01	1.61E-01
5180	486363.09	3864877.25	0.3568	1.30E-01	1.46E-01	1.81E-01
5181	486863.09	3864877.25	0.37522	1.36E-01	1.53E-01	1.90E-01
5182	487363.09	3864877.25	0.38154	1.39E-01	1.56E-01	1.93E-01
5183	487863.09	3864877.25	0.3949	1.44E-01	1.61E-01	2.00E-01
5184	488363.09	3864877.25	0.40834	1.48E-01	1.67E-01	2.07E-01
5185	488863.09	3864877.25	0.42116	1.53E-01	1.72E-01	2.13E-01
5186	489363.09	3864877.25	0.38708	1.41E-01	1.58E-01	1.96E-01
5187	489863.09	3864877.25	0.31577	1.15E-01	1.29E-01	1.60E-01
5188	490363.09	3864877.25	0.34685	1.26E-01	1.42E-01	1.76E-01
5189	490863.09	3864877.25	0.34141	1.24E-01	1.39E-01	1.73E-01
5190	491363.09	3864877.25	0.38528	1.40E-01	1.57E-01	1.95E-01
5191	491863.09	3864877.25	0.54664	1.99E-01	2.23E-01	2.77E-01
5192	492363.09	3864877.25	0.23889	8.68E-02	9.76E-02	1.21E-01
5193	492863.09	3864877.25	0.28428	1.03E-01	1.16E-01	1.44E-01
5194	493363.09	3864877.25	0.27189	9.88E-02	1.11E-01	1.38E-01
5195	493863.09	3864877.25	0.37653	1.37E-01	1.54E-01	1.91E-01
5196	494363.09	3864877.25	0.65382	2.38E-01	2.67E-01	3.31E-01
5197	494863.09	3864877.25	0.55001	2.00E-01	2.25E-01	2.79E-01
5198	495363.09	3864877.25	0.69765	2.54E-01	2.85E-01	3.53E-01
5199	495863.09	3864877.25	0.65995	2.40E-01	2.70E-01	3.34E-01
5200	496363.09	3864877.25	0.79153	2.88E-01	3.23E-01	4.01E-01
5201	496863.09	3864877.25	0.69364	2.52E-01	2.83E-01	3.51E-01
5202	497363.09	3864877.25	0.55372	2.01E-01	2.26E-01	2.80E-01
5203	497863.09	3864877.25	0.48882	1.78E-01	2.00E-01	2.48E-01
5204	498363.09	3864877.25	0.40619	1.48E-01	1.66E-01	2.06E-01
5205	471363.09	3865377.25	0.22702	8.25E-02	9.27E-02	1.15E-01
5206	471863.09	3865377.25	0.23277	8.46E-02	9.51E-02	1.18E-01
5207	472363.09	3865377.25	0.2326	8.46E-02	9.50E-02	1.18E-01
5208	472863.09	3865377.25	0.23803	8.65E-02	9.72E-02	1.21E-01
5209	473363.09	3865377.25	0.22388	8.14E-02	9.15E-02	1.13E-01
5210	473863.09	3865377.25	0.21575	7.84E-02	8.81E-02	1.09E-01
5211	474363.09	3865377.25	0.20796	7.56E-02	8.50E-02	1.05E-01
5212	474863.09	3865377.25	0.20131	7.32E-02	8.22E-02	1.02E-01
5213	475363.09	3865377.25	0.19969	7.26E-02	8.16E-02	1.01E-01
5214	475863.09	3865377.25	0.22141	8.05E-02	9.04E-02	1.12E-01
5215	476363.09	3865377.25	0.26409	9.60E-02	1.08E-01	1.34E-01
5216	476863.09	3865377.25	0.28599	1.04E-01	1.17E-01	1.45E-01
5217	477363.09	3865377.25	0.28014	1.02E-01	1.14E-01	1.42E-01
5218	477863.09	3865377.25	0.27182	9.88E-02	1.11E-01	1.38E-01
5219	478363.09	3865377.25	0.26833	9.76E-02	1.10E-01	1.36E-01
5220	478863.09	3865377.25	0.25079	9.12E-02	1.02E-01	1.27E-01
5221	479363.09	3865377.25	0.23671	8.61E-02	9.67E-02	1.20E-01
5222	479863.09	3865377.25	0.24048	8.74E-02	9.82E-02	1.22E-01
5223	480363.09	3865377.25	0.24595	8.94E-02	1.00E-01	1.25E-01
5224	480863.09	3865377.25	0.2513	9.14E-02	1.03E-01	1.27E-01
5225	481363.09	3865377.25	0.27324	9.93E-02	1.12E-01	1.38E-01

5226	481863.09	3865377.25	0.29941	1.09E-01	1.22E-01	1.52E-01
5227	482363.09	3865377.25	0.32804	1.19E-01	1.34E-01	1.66E-01
5228	482863.09	3865377.25	0.34998	1.27E-01	1.43E-01	1.77E-01
5229	483363.09	3865377.25	0.36318	1.32E-01	1.48E-01	1.84E-01
5230	483863.09	3865377.25	0.36753	1.34E-01	1.50E-01	1.86E-01
5231	484363.09	3865377.25	0.34991	1.27E-01	1.43E-01	1.77E-01
5232	484863.09	3865377.25	0.30154	1.10E-01	1.23E-01	1.53E-01
5233	485363.09	3865377.25	0.29023	1.06E-01	1.19E-01	1.47E-01
5234	485863.09	3865377.25	0.28911	1.05E-01	1.18E-01	1.46E-01
5235	486363.09	3865377.25	0.31555	1.15E-01	1.29E-01	1.60E-01
5236	486863.09	3865377.25	0.34003	1.24E-01	1.39E-01	1.72E-01
5237	487363.09	3865377.25	0.36111	1.31E-01	1.48E-01	1.83E-01
5238	487863.09	3865377.25	0.37202	1.35E-01	1.52E-01	1.88E-01
5239	488363.09	3865377.25	0.38388	1.40E-01	1.57E-01	1.94E-01
5240	488863.09	3865377.25	0.3755	1.37E-01	1.53E-01	1.90E-01
5241	489363.09	3865377.25	0.30056	1.09E-01	1.23E-01	1.52E-01
5242	489863.09	3865377.25	0.30352	1.10E-01	1.24E-01	1.54E-01
5243	490363.09	3865377.25	0.34055	1.24E-01	1.39E-01	1.72E-01
5244	490863.09	3865377.25	0.33975	1.24E-01	1.39E-01	1.72E-01
5245	491363.09	3865377.25	0.32727	1.19E-01	1.34E-01	1.66E-01
5246	491863.09	3865377.25	0.45068	1.64E-01	1.84E-01	2.28E-01
5247	492363.09	3865377.25	0.30101	1.09E-01	1.23E-01	1.52E-01
5248	492863.09	3865377.25	0.30782	1.12E-01	1.26E-01	1.56E-01
5249	493363.09	3865377.25	0.26384	9.59E-02	1.08E-01	1.34E-01
5250	493863.09	3865377.25	0.29968	1.09E-01	1.22E-01	1.52E-01
5251	494363.09	3865377.25	0.41028	1.49E-01	1.68E-01	2.08E-01
5252	494863.09	3865377.25	0.51542	1.87E-01	2.11E-01	2.61E-01
5253	495363.09	3865377.25	0.52208	1.90E-01	2.13E-01	2.64E-01
5254	495863.09	3865377.25	0.62385	2.27E-01	2.55E-01	3.16E-01
5255	496363.09	3865377.25	0.74562	2.71E-01	3.05E-01	3.78E-01
5256	496863.09	3865377.25	0.77031	2.80E-01	3.15E-01	3.90E-01
5257	497363.09	3865377.25	0.69869	2.54E-01	2.85E-01	3.54E-01
5258	497863.09	3865377.25	0.53695	1.95E-01	2.19E-01	2.72E-01
5259	498363.09	3865377.25	0.51752	1.88E-01	2.11E-01	2.62E-01
5260	471363.09	3865877.25	0.2171	7.89E-02	8.87E-02	1.10E-01
5261	471863.09	3865877.25	0.21312	7.75E-02	8.71E-02	1.08E-01
5262	472363.09	3865877.25	0.21661	7.87E-02	8.85E-02	1.10E-01
5263	472863.09	3865877.25	0.20452	7.44E-02	8.35E-02	1.04E-01
5264	473363.09	3865877.25	0.19918	7.24E-02	8.14E-02	1.01E-01
5265	473863.09	3865877.25	0.19324	7.03E-02	7.89E-02	9.79E-02
5266	474363.09	3865877.25	0.19111	6.95E-02	7.81E-02	9.68E-02
5267	474863.09	3865877.25	0.20781	7.56E-02	8.49E-02	1.05E-01
5268	475363.09	3865877.25	0.22502	8.18E-02	9.19E-02	1.14E-01
5269	475863.09	3865877.25	0.23737	8.63E-02	9.70E-02	1.20E-01
5270	476363.09	3865877.25	0.27712	1.01E-01	1.13E-01	1.40E-01
5271	476863.09	3865877.25	0.27289	9.92E-02	1.11E-01	1.38E-01
5272	477363.09	3865877.25	0.27835	1.01E-01	1.14E-01	1.41E-01
5273	477863.09	3865877.25	0.24214	8.80E-02	9.89E-02	1.23E-01
5274	478363.09	3865877.25	0.23275	8.46E-02	9.51E-02	1.18E-01
5275	478863.09	3865877.25	0.23138	8.41E-02	9.45E-02	1.17E-01
5276	479363.09	3865877.25	0.23104	8.40E-02	9.44E-02	1.17E-01
5277	479863.09	3865877.25	0.23215	8.44E-02	9.48E-02	1.18E-01
5278	480363.09	3865877.25	0.23611	8.58E-02	9.65E-02	1.20E-01
5279	480863.09	3865877.25	0.23544	8.56E-02	9.62E-02	1.19E-01
5280	481363.09	3865877.25	0.2567	9.33E-02	1.05E-01	1.30E-01
5281	481863.09	3865877.25	0.28151	1.02E-01	1.15E-01	1.43E-01
5282	482363.09	3865877.25	0.3033	1.10E-01	1.24E-01	1.54E-01
5283	482863.09	3865877.25	0.3177	1.16E-01	1.30E-01	1.61E-01
5284	483363.09	3865877.25	0.32641	1.19E-01	1.33E-01	1.65E-01
5285	483863.09	3865877.25	0.32891	1.20E-01	1.34E-01	1.67E-01
5286	484363.09	3865877.25	0.31519	1.15E-01	1.29E-01	1.60E-01
5287	484863.09	3865877.25	0.2773	1.01E-01	1.13E-01	1.40E-01
5288	485363.09	3865877.25	0.26779	9.74E-02	1.09E-01	1.36E-01

5289	485863.09	3865877.25	0.27306	9.93E-02	1.12E-01	1.38E-01
5290	486363.09	3865877.25	0.28106	1.02E-01	1.15E-01	1.42E-01
5291	486863.09	3865877.25	0.32269	1.17E-01	1.32E-01	1.63E-01
5292	487363.09	3865877.25	0.34069	1.24E-01	1.39E-01	1.73E-01
5293	487863.09	3865877.25	0.35286	1.28E-01	1.44E-01	1.79E-01
5294	488363.09	3865877.25	0.35486	1.29E-01	1.45E-01	1.80E-01
5295	488863.09	3865877.25	0.31547	1.15E-01	1.29E-01	1.60E-01
5296	489363.09	3865877.25	0.29123	1.06E-01	1.19E-01	1.48E-01
5297	489863.09	3865877.25	0.28722	1.04E-01	1.17E-01	1.45E-01
5298	490363.09	3865877.25	0.31152	1.13E-01	1.27E-01	1.58E-01
5299	490863.09	3865877.25	0.29934	1.09E-01	1.22E-01	1.52E-01
5300	491363.09	3865877.25	0.3307	1.20E-01	1.35E-01	1.68E-01
5301	491863.09	3865877.25	0.33998	1.24E-01	1.39E-01	1.72E-01
5302	492363.09	3865877.25	0.35996	1.31E-01	1.47E-01	1.82E-01
5303	492863.09	3865877.25	0.27468	9.99E-02	1.12E-01	1.39E-01
5304	493363.09	3865877.25	0.31025	1.13E-01	1.27E-01	1.57E-01
5305	493863.09	3865877.25	0.39002	1.42E-01	1.59E-01	1.98E-01
5306	494363.09	3865877.25	0.34374	1.25E-01	1.40E-01	1.74E-01
5307	494863.09	3865877.25	0.51589	1.88E-01	2.11E-01	2.61E-01
5308	495363.09	3865877.25	0.40109	1.46E-01	1.64E-01	2.03E-01
5309	495863.09	3865877.25	0.4967	1.81E-01	2.03E-01	2.52E-01
5310	496363.09	3865877.25	0.66937	2.43E-01	2.73E-01	3.39E-01
5311	496863.09	3865877.25	0.68669	2.50E-01	2.81E-01	3.48E-01
5312	497363.09	3865877.25	0.74238	2.70E-01	3.03E-01	3.76E-01
5313	497863.09	3865877.25	0.71201	2.59E-01	2.91E-01	3.61E-01
5314	498363.09	3865877.25	0.5571	2.03E-01	2.28E-01	2.82E-01
5315	471363.09	3866377.25	0.18759	6.82E-02	7.66E-02	9.50E-02
5316	471863.09	3866377.25	0.18228	6.63E-02	7.45E-02	9.23E-02
5317	472363.09	3866377.25	0.19233	6.99E-02	7.86E-02	9.74E-02
5318	472863.09	3866377.25	0.19777	7.19E-02	8.08E-02	1.00E-01
5319	473363.09	3866377.25	0.19347	7.03E-02	7.90E-02	9.80E-02
5320	473863.09	3866377.25	0.19661	7.15E-02	8.03E-02	9.96E-02
5321	474363.09	3866377.25	0.21085	7.67E-02	8.61E-02	1.07E-01
5322	474863.09	3866377.25	0.22122	8.04E-02	9.04E-02	1.12E-01
5323	475363.09	3866377.25	0.22675	8.24E-02	9.26E-02	1.15E-01
5324	475863.09	3866377.25	0.22796	8.29E-02	9.31E-02	1.15E-01
5325	476363.09	3866377.25	0.25696	9.34E-02	1.05E-01	1.30E-01
5326	476863.09	3866377.25	0.24777	9.01E-02	1.01E-01	1.25E-01
5327	477363.09	3866377.25	0.24068	8.75E-02	9.83E-02	1.22E-01
5328	477863.09	3866377.25	0.22437	8.16E-02	9.17E-02	1.14E-01
5329	478363.09	3866377.25	0.2235	8.13E-02	9.13E-02	1.13E-01
5330	478863.09	3866377.25	0.22507	8.18E-02	9.19E-02	1.14E-01
5331	479363.09	3866377.25	0.22671	8.24E-02	9.26E-02	1.15E-01
5332	479863.09	3866377.25	0.2306	8.38E-02	9.42E-02	1.17E-01
5333	480363.09	3866377.25	0.23169	8.42E-02	9.46E-02	1.17E-01
5334	480863.09	3866377.25	0.22122	8.04E-02	9.04E-02	1.12E-01
5335	481363.09	3866377.25	0.24217	8.80E-02	9.89E-02	1.23E-01
5336	481863.09	3866377.25	0.2601	9.46E-02	1.06E-01	1.32E-01
5337	482363.09	3866377.25	0.2731	9.93E-02	1.12E-01	1.38E-01
5338	482863.09	3866377.25	0.28326	1.03E-01	1.16E-01	1.43E-01
5339	483363.09	3866377.25	0.29151	1.06E-01	1.19E-01	1.48E-01
5340	483863.09	3866377.25	0.29704	1.08E-01	1.21E-01	1.50E-01
5341	484363.09	3866377.25	0.29074	1.06E-01	1.19E-01	1.47E-01
5342	484863.09	3866377.25	0.26361	9.58E-02	1.08E-01	1.34E-01
5343	485363.09	3866377.25	0.25584	9.30E-02	1.05E-01	1.30E-01
5344	485863.09	3866377.25	0.2573	9.35E-02	1.05E-01	1.30E-01
5345	486363.09	3866377.25	0.26899	9.78E-02	1.10E-01	1.36E-01
5346	486863.09	3866377.25	0.30265	1.10E-01	1.24E-01	1.53E-01
5347	487363.09	3866377.25	0.32665	1.19E-01	1.33E-01	1.65E-01
5348	487863.09	3866377.25	0.35248	1.28E-01	1.44E-01	1.79E-01
5349	488363.09	3866377.25	0.35507	1.29E-01	1.45E-01	1.80E-01
5350	488863.09	3866377.25	0.30597	1.11E-01	1.25E-01	1.55E-01
5351	489363.09	3866377.25	0.29606	1.08E-01	1.21E-01	1.50E-01

5352	489863.09	3866377.25	0.30141	1.10E-01	1.23E-01	1.53E-01
5353	490363.09	3866377.25	0.28616	1.04E-01	1.17E-01	1.45E-01
5354	490863.09	3866377.25	0.27295	9.92E-02	1.12E-01	1.38E-01
5355	491363.09	3866377.25	0.3122	1.14E-01	1.28E-01	1.58E-01
5356	491863.09	3866377.25	0.26114	9.49E-02	1.07E-01	1.32E-01
5357	492363.09	3866377.25	0.33404	1.21E-01	1.36E-01	1.69E-01
5358	492863.09	3866377.25	0.27744	1.01E-01	1.13E-01	1.41E-01
5359	493363.09	3866377.25	0.29578	1.08E-01	1.21E-01	1.50E-01
5360	493863.09	3866377.25	0.41104	1.49E-01	1.68E-01	2.08E-01
5361	494363.09	3866377.25	0.43824	1.59E-01	1.79E-01	2.22E-01
5362	494863.09	3866377.25	0.37838	1.38E-01	1.55E-01	1.92E-01
5363	495363.09	3866377.25	0.42023	1.53E-01	1.72E-01	2.13E-01
5364	495863.09	3866377.25	0.37949	1.38E-01	1.55E-01	1.92E-01
5365	496363.09	3866377.25	0.5099	1.85E-01	2.08E-01	2.58E-01
5366	496863.09	3866377.25	0.60455	2.20E-01	2.47E-01	3.06E-01
5367	497363.09	3866377.25	0.57676	2.10E-01	2.36E-01	2.92E-01
5368	497863.09	3866377.25	0.71496	2.60E-01	2.92E-01	3.62E-01
5369	498363.09	3866377.25	0.64936	2.36E-01	2.65E-01	3.29E-01
5370	474494.92	3848334.16	19.99118	7.27E+00	8.17E+00	1.01E+01
5371	475167.27	3848920.79	19.61741	7.13E+00	8.01E+00	9.94E+00
5372	475297.89	3848997.96	18.87795	6.86E+00	7.71E+00	9.56E+00
5373	475439.05	3849062	20.40489	7.42E+00	8.34E+00	1.03E+01
5374	475486.86	3849061.09	17.41994	6.33E+00	7.12E+00	8.82E+00
5375	475538.46	3849075.56	17.61811	6.41E+00	7.20E+00	8.92E+00
5376	475751.79	3849137.15	22.18134	8.06E+00	9.06E+00	1.12E+01
5377	476303.62	3849223.38	29.82761	1.08E+01	1.22E+01	1.51E+01
5378	476304.51	3849238.92	26.52911	9.64E+00	1.08E+01	1.34E+01
5379	476365.04	3849247.98	26.79649	9.74E+00	1.09E+01	1.36E+01
5380	476444.86	3849267.13	26.97214	9.81E+00	1.10E+01	1.37E+01
5381	476550.75	3849300.66	30.75843	1.12E+01	1.26E+01	1.56E+01
5382	476656.71	3849346.88	32.864	1.19E+01	1.34E+01	1.66E+01
5383	476873.55	3849454.53	27.12993	9.86E+00	1.11E+01	1.37E+01
5384	477700	3849859.7	23.80815	8.66E+00	9.73E+00	1.21E+01
5385	477743.16	3849856.38	24.98497	9.08E+00	1.02E+01	1.27E+01
5386	478477.35	3850216.33	25.48346	9.26E+00	1.04E+01	1.29E+01
5387	478485.8	3850201.6	22.05775	8.02E+00	9.01E+00	1.12E+01
5388	479113.21	3850501.53	20.49276	7.45E+00	8.37E+00	1.04E+01
5389	479108.11	3850382.28	11.46076	4.17E+00	4.68E+00	5.81E+00
5390	479689.85	3850674.28	12.32633	4.48E+00	5.04E+00	6.24E+00
5391	479952.42	3850774.28	11.31414	4.11E+00	4.62E+00	5.73E+00
5392	479911.32	3850884.85	21.29731	7.74E+00	8.70E+00	1.08E+01
5393	480500.92	3851178.12	22.21138	8.08E+00	9.07E+00	1.13E+01
5394	480738.01	3851289.27	21.22186	7.72E+00	8.67E+00	1.07E+01
5395	481055.42	3851443.58	25.47999	9.26E+00	1.04E+01	1.29E+01
5396	481110.22	3851443.15	20.36406	7.40E+00	8.32E+00	1.03E+01
5397	481111.1	3851417.45	17.21161	6.26E+00	7.03E+00	8.72E+00
5398	482248.44	3852605.09	20.71313	7.53E+00	8.46E+00	1.05E+01
5399	482273.34	3852632.31	21.30474	7.75E+00	8.70E+00	1.08E+01
5400	482665.46	3853038.72	19.89402	7.23E+00	8.13E+00	1.01E+01
5401	483077.95	3853844.31	5.7487	2.09E+00	2.35E+00	2.91E+00
5402	483121.38	3853909.38	5.33513	1.94E+00	2.18E+00	2.70E+00
5403	483492.64	3853911.49	4.6247	1.68E+00	1.89E+00	2.34E+00
5404	483498.29	3854204.73	3.35231	1.22E+00	1.37E+00	1.70E+00
5405	484132.44	3854662.55	1.93217	7.02E-01	7.89E-01	9.79E-01
5406	484627.62	3854876.13	1.97193	7.17E-01	8.06E-01	9.99E-01
5407	484756.14	3854949.04	1.8375	6.68E-01	7.51E-01	9.31E-01
5408	486697.51	3856599.17	1.0195	3.71E-01	4.16E-01	5.16E-01
5409	487105.31	3856962.27	0.93903	3.41E-01	3.84E-01	4.76E-01
5410	487157.57	3856901.7	1.07225	3.90E-01	4.38E-01	5.43E-01
5411	487173.5	3856853.74	1.07942	3.92E-01	4.41E-01	5.47E-01
5412	487564.41	3856860.83	0.95053	3.46E-01	3.88E-01	4.81E-01
5413	487563.31	3856931.58	0.98394	3.58E-01	4.02E-01	4.98E-01
5414	487782.7	3856926.85	0.97831	3.56E-01	4.00E-01	4.96E-01

5415	487782.39	3856757.07	1.02235	3.72E-01	4.18E-01	5.18E-01
5416	487917.26	3856752.41	1.00524	3.65E-01	4.11E-01	5.09E-01
5417	487919.57	3856953.35	1.00973	3.67E-01	4.12E-01	5.11E-01
5418	487932.76	3857000.32	1.01662	3.70E-01	4.15E-01	5.15E-01
5419	487960.5	3857044.75	1.02817	3.74E-01	4.20E-01	5.21E-01
5420	488016.54	3857089.54	1.06925	3.89E-01	4.37E-01	5.42E-01
5421	488114.39	3857165.47	1.1263	4.09E-01	4.60E-01	5.70E-01
5422	488171.49	3857234.24	1.17018	4.25E-01	4.78E-01	5.93E-01
5423	488193.16	3857297.8	1.23461	4.49E-01	5.04E-01	6.25E-01
5424	488189.27	3857649.94	1.43611	5.22E-01	5.87E-01	7.27E-01
5425	488127.43	3857732.32	1.64429	5.98E-01	6.72E-01	8.33E-01
5426	488149.93	3857752.94	1.65309	6.01E-01	6.75E-01	8.37E-01
5427	488144.76	3857758.71	1.67179	6.08E-01	6.83E-01	8.47E-01
5428	488335.58	3857932.55	1.72442	6.27E-01	7.04E-01	8.73E-01
5429	488372.29	3857943.79	1.70609	6.20E-01	6.97E-01	8.64E-01
5430	488828.64	3857936.4	1.55841	5.67E-01	6.37E-01	7.89E-01
5431	488829.08	3857959.58	1.57577	5.73E-01	6.44E-01	7.98E-01
5432	488351.61	3857964.55	1.76849	6.43E-01	7.22E-01	8.96E-01
5433	488316.87	3857947.65	1.77509	6.45E-01	7.25E-01	8.99E-01
5434	488129.1	3857775.77	1.73108	6.29E-01	7.07E-01	8.77E-01
5435	488062.53	3857846.13	1.98256	7.21E-01	8.10E-01	1.00E+00
5436	488330.41	3858091.34	2.11088	7.67E-01	8.62E-01	1.07E+00
5437	488470.87	3858174.45	2.16346	7.87E-01	8.84E-01	1.10E+00
5438	488568.9	3858262.31	2.28791	8.32E-01	9.35E-01	1.16E+00
5439	488964.27	3858025.71	1.61451	5.87E-01	6.60E-01	8.18E-01
5440	489147.25	3857956.64	1.63732	5.95E-01	6.69E-01	8.29E-01
5441	489343.52	3857932.45	1.22924	4.47E-01	5.02E-01	6.23E-01
5442	489866.19	3857923.19	1.11082	4.04E-01	4.54E-01	5.63E-01
5443	489955.65	3857902.27	1.0476	3.81E-01	4.28E-01	5.31E-01
5444	490079.44	3857847.9	1.01085	3.68E-01	4.13E-01	5.12E-01
5445	490108.49	3857934.13	1.02498	3.73E-01	4.19E-01	5.19E-01
5446	489884.48	3858014.17	1.15405	4.20E-01	4.71E-01	5.85E-01
5447	489326.56	3858025.86	1.53477	5.58E-01	6.27E-01	7.77E-01
5448	489130.38	3858056.71	1.70172	6.19E-01	6.95E-01	8.62E-01
5449	488936.49	3858143.93	1.68528	6.13E-01	6.88E-01	8.54E-01
5450	488638.08	3858327.45	2.38374	8.67E-01	9.74E-01	1.21E+00
5451	488663.79	3858349.57	2.42403	8.81E-01	9.90E-01	1.23E+00
5452	488694.56	3858349.5	2.38134	8.66E-01	9.73E-01	1.21E+00
5453	488694.35	3858336.75	2.33495	8.49E-01	9.54E-01	1.18E+00
5454	488712.81	3858336.38	2.31922	8.43E-01	9.47E-01	1.17E+00
5455	488713.23	3858367.46	2.4319	8.84E-01	9.93E-01	1.23E+00
5456	488704.63	3858384.05	2.50465	9.11E-01	1.02E+00	1.27E+00
5457	488604.15	3858488.29	3.52945	1.28E+00	1.44E+00	1.79E+00
5458	488605.66	3858550.47	3.99249	1.45E+00	1.63E+00	2.02E+00
5459	488692.68	3858548.71	3.58275	1.30E+00	1.46E+00	1.81E+00
5460	488759.93	3858461.81	2.80339	1.02E+00	1.15E+00	1.42E+00
5461	488816.57	3858541.79	3.18629	1.16E+00	1.30E+00	1.61E+00
5462	488944.63	3858656.77	3.5519	1.29E+00	1.45E+00	1.80E+00
5463	489134.91	3858830.7	6.30785	2.29E+00	2.58E+00	3.20E+00
5464	489193.99	3858886.05	6.88608	2.50E+00	2.81E+00	3.49E+00
5465	489295.2	3858954.34	8.64793	3.14E+00	3.53E+00	4.38E+00
5466	489295.64	3858992.74	9.9872	3.63E+00	4.08E+00	5.06E+00
5467	489183.74	3858911.72	7.88028	2.86E+00	3.22E+00	3.99E+00
5468	488873.37	3858625.59	3.61988	1.32E+00	1.48E+00	1.83E+00
5469	488842.84	3858658.69	4.10076	1.49E+00	1.68E+00	2.08E+00
5470	488856.39	3858670.93	4.17303	1.52E+00	1.70E+00	2.11E+00
5471	488805.7	3858724.5	5.37442	1.95E+00	2.20E+00	2.72E+00
5472	488805.87	3858804.16	7.64972	2.78E+00	3.12E+00	3.87E+00
5473	488995.78	3858936.96	14.22779	5.17E+00	5.81E+00	7.21E+00
5474	489130.76	3859017.38	15.13024	5.50E+00	6.18E+00	7.66E+00
5475	489130.92	3859052.24	17.10404	6.22E+00	6.99E+00	8.66E+00
5476	489200.33	3859090.6	18.88074	6.86E+00	7.71E+00	9.56E+00
5477	489296.07	3859143.7	19.59145	7.12E+00	8.00E+00	9.92E+00

5478	489296.43	3858954.74	8.6478	3.14E+00	3.53E+00	4.38E+00
5479	489410.33	3859033.19	9.43659	3.43E+00	3.85E+00	4.78E+00
5480	489371.37	3859089.8	11.60053	4.22E+00	4.74E+00	5.88E+00
5481	489390.52	3859102.82	11.71465	4.26E+00	4.79E+00	5.93E+00
5482	489382.3	3859114.53	12.32184	4.48E+00	5.03E+00	6.24E+00
5483	489363.04	3859102.45	12.20611	4.44E+00	4.99E+00	6.18E+00
5484	489337.52	3859140.71	16.32426	5.93E+00	6.67E+00	8.27E+00
5485	489375.14	3859164.55	17.1264	6.23E+00	7.00E+00	8.67E+00
5486	489409.3	3859114.5	11.82725	4.30E+00	4.83E+00	5.99E+00
5487	489434.87	3859131.81	12.09392	4.40E+00	4.94E+00	6.13E+00
5488	489471.87	3859075.75	9.67182	3.52E+00	3.95E+00	4.90E+00
5489	489602.62	3859164.69	10.49014	3.81E+00	4.29E+00	5.31E+00
5490	489558.29	3859232.45	14.52068	5.28E+00	5.93E+00	7.35E+00
5491	489620.11	3859273.56	15.3835	5.59E+00	6.28E+00	7.79E+00
5492	489666.06	3859206.42	10.86182	3.95E+00	4.44E+00	5.50E+00
5493	489787.9	3859285.65	11.35576	4.13E+00	4.64E+00	5.75E+00
5494	489752.17	3859343.13	15.57	5.66E+00	6.36E+00	7.89E+00
5495	489814.94	3859385.33	16.38547	5.96E+00	6.69E+00	8.30E+00
5496	489853.42	3859330.74	11.67704	4.25E+00	4.77E+00	5.91E+00
5497	489969.5	3859401.91	12.12656	4.41E+00	4.95E+00	6.14E+00
5498	490166.91	3859486.96	11.41161	4.15E+00	4.66E+00	5.78E+00
5499	490128.86	3859571.46	21.85948	7.95E+00	8.93E+00	1.11E+01
5500	490186.65	3859593.65	22.08803	8.03E+00	9.02E+00	1.12E+01
5501	490223.74	3859517.48	11.75128	4.27E+00	4.80E+00	5.95E+00
5502	490846.34	3859817.22	16.40869	5.97E+00	6.70E+00	8.31E+00
5503	490925.65	3859844.59	15.52054	5.64E+00	6.34E+00	7.86E+00
5504	491159.29	3859896.28	12.79752	4.65E+00	5.23E+00	6.48E+00
5505	491370.69	3859960.89	10.61414	3.86E+00	4.34E+00	5.38E+00
5506	491330.28	3860063.17	14.21165	5.17E+00	5.81E+00	7.20E+00
5507	491636.45	3860180.75	10.55679	3.84E+00	4.31E+00	5.35E+00
5508	491617.94	3860203.93	10.95496	3.98E+00	4.48E+00	5.55E+00
5509	491805.68	3860271.59	9.29817	3.38E+00	3.80E+00	4.71E+00
5510	491654.23	3860414.02	18.98328	6.90E+00	7.75E+00	9.62E+00
5511	491592.62	3860510.76	8.84169	3.21E+00	3.61E+00	4.48E+00
5512	491475.41	3860368.93	11.1892	4.07E+00	4.57E+00	5.67E+00
5513	491445.61	3860337.28	12.08079	4.39E+00	4.94E+00	6.12E+00
5514	491399.05	3860300.37	12.42575	4.52E+00	5.08E+00	6.29E+00
5515	491228.84	3860235.98	10.04452	3.65E+00	4.10E+00	5.09E+00
5516	491228.47	3860174.57	12.87043	4.68E+00	5.26E+00	6.52E+00
5517	491145.77	3860112.55	12.9062	4.69E+00	5.27E+00	6.54E+00
5518	490844.41	3859966.22	15.41387	5.60E+00	6.30E+00	7.81E+00
5519	490845.55	3859928.15	21.02733	7.64E+00	8.59E+00	1.07E+01
5520	490046.91	3859625.6	18.99609	6.91E+00	7.76E+00	9.62E+00
5521	489970.48	3859589.4	19.73177	7.17E+00	8.06E+00	9.99E+00
5522	489865.89	3859529.06	19.62171	7.13E+00	8.02E+00	9.94E+00
5523	489826.89	3859531.74	17.28362	6.28E+00	7.06E+00	8.75E+00
5524	489410.47	3859303.06	15.53008	5.65E+00	6.34E+00	7.87E+00
5525	489407.15	3859286.09	16.68417	6.07E+00	6.82E+00	8.45E+00
5526	488806.07	3858963.62	12.18441	4.43E+00	4.98E+00	6.17E+00
5527	488817.64	3859546.3	4.61871	1.68E+00	1.89E+00	2.34E+00
5528	489187.25	3859549.52	6.21232	2.26E+00	2.54E+00	3.15E+00
5529	489187.66	3859523.74	6.4831	2.36E+00	2.65E+00	3.28E+00
5530	489232.59	3859522.85	6.81543	2.48E+00	2.78E+00	3.45E+00
5531	489224.98	3859759.91	4.50928	1.64E+00	1.84E+00	2.28E+00
5532	488401.39	3859763.34	2.74155	9.97E-01	1.12E+00	1.39E+00
5533	488405.51	3859966.16	2.41544	8.78E-01	9.87E-01	1.22E+00
5534	489202.85	3859956.57	3.39847	1.24E+00	1.39E+00	1.72E+00
5535	489191.9	3860676.74	1.73772	6.32E-01	7.10E-01	8.80E-01
5536	488392.82	3860687.88	1.56442	5.69E-01	6.39E-01	7.92E-01
5537	488392.82	3860760.27	1.48757	5.41E-01	6.08E-01	7.53E-01
5538	487549.05	3860777.45	1.12637	4.09E-01	4.60E-01	5.71E-01
5539	487554.62	3859571.83	2.18817	7.96E-01	8.94E-01	1.11E+00
5540	485949.46	3859558.54	1.10111	4.00E-01	4.50E-01	5.58E-01

5541	485947.55	3857943.61	1.2423	4.52E-01	5.07E-01	6.29E-01
5542	484738.38	3857940.21	0.86397	3.14E-01	3.53E-01	4.38E-01
5543	484737.06	3857535.68	0.85681	3.11E-01	3.50E-01	4.34E-01
5544	483730.2	3857530.13	0.70859	2.58E-01	2.89E-01	3.59E-01
5545	483727.27	3857130.01	0.64781	2.36E-01	2.65E-01	3.28E-01
5546	483124.42	3857123.45	0.72057	2.62E-01	2.94E-01	3.65E-01
5547	483111.13	3855921.03	1.02047	3.71E-01	4.17E-01	5.17E-01
5548	482701.73	3855918.24	0.86764	3.15E-01	3.54E-01	4.39E-01
5549	482668.02	3853521.78	6.8323	2.48E+00	2.79E+00	3.46E+00
5550	482579.91	3853219.19	8.72968	3.17E+00	3.57E+00	4.42E+00
5551	482434.06	3852961.94	11.17714	4.06E+00	4.57E+00	5.66E+00
5552	482332.11	3852832.85	12.24966	4.45E+00	5.00E+00	6.20E+00
5553	481334.99	3851818.96	11.31037	4.11E+00	4.62E+00	5.73E+00
5554	481127.62	3851646.36	13.05983	4.75E+00	5.34E+00	6.61E+00
5555	481025.04	3851591.73	12.97805	4.72E+00	5.30E+00	6.57E+00
5556	480513.6	3851335.76	13.36908	4.86E+00	5.46E+00	6.77E+00
5557	480523.56	3851317.66	14.96991	5.44E+00	6.12E+00	7.58E+00
5558	476921.56	3849569.11	14.69345	5.34E+00	6.00E+00	7.44E+00
5559	476521.19	3849373.96	16.03054	5.83E+00	6.55E+00	8.12E+00
5560	476391.45	3849333.38	15.97788	5.81E+00	6.53E+00	8.09E+00
5561	476219.41	3849304.29	15.12363	5.50E+00	6.18E+00	7.66E+00
5562	475679.11	3849218.47	17.67489	6.43E+00	7.22E+00	8.95E+00
5563	475677.71	3849233.88	15.18023	5.52E+00	6.20E+00	7.69E+00
5564	475492.74	3849204.66	12.73668	4.63E+00	5.20E+00	6.45E+00
5565	475497.64	3849158.75	22.95484	8.35E+00	9.38E+00	1.16E+01
5566	475391.35	3849141.94	20.67208	7.52E+00	8.44E+00	1.05E+01
5567	475277	3849095.47	19.36855	7.04E+00	7.91E+00	9.81E+00
5568	475183.93	3849025.66	19.64146	7.14E+00	8.02E+00	9.95E+00
5569	474453.23	3848378.77	16.86512	6.13E+00	6.89E+00	8.54E+00
5570	474569.63	3848399.34	19.48547	7.08E+00	7.96E+00	9.87E+00
5571	474644.33	3848464.52	18.8915	6.87E+00	7.72E+00	9.57E+00
5572	474719.04	3848529.7	19.91392	7.24E+00	8.14E+00	1.01E+01
5573	474793.74	3848594.88	18.07798	6.57E+00	7.39E+00	9.16E+00
5574	474868.45	3848660.07	18.80969	6.84E+00	7.68E+00	9.53E+00
5575	474943.15	3848725.25	18.20979	6.62E+00	7.44E+00	9.22E+00
5576	475017.86	3848790.43	18.43894	6.70E+00	7.53E+00	9.34E+00
5577	475092.56	3848855.61	18.97491	6.90E+00	7.75E+00	9.61E+00
5578	475232.58	3848959.38	18.31867	6.66E+00	7.48E+00	9.28E+00
5579	475368.47	3849029.98	19.35998	7.04E+00	7.91E+00	9.81E+00
5580	475609.57	3849096.09	18.50605	6.73E+00	7.56E+00	9.37E+00
5581	475680.68	3849116.62	20.00926	7.27E+00	8.17E+00	1.01E+01
5582	475843.76	3849151.52	23.97213	8.72E+00	9.79E+00	1.21E+01
5583	475935.73	3849165.89	22.38259	8.14E+00	9.14E+00	1.13E+01
5584	476027.71	3849180.27	23.13765	8.41E+00	9.45E+00	1.17E+01
5585	476119.68	3849194.64	27.68363	1.01E+01	1.13E+01	1.40E+01
5586	476211.65	3849209.01	29.35407	1.07E+01	1.20E+01	1.49E+01
5587	476497.81	3849283.9	29.36468	1.07E+01	1.20E+01	1.49E+01
5588	476603.73	3849323.77	32.2335	1.17E+01	1.32E+01	1.63E+01
5589	476728.99	3849382.76	29.36118	1.07E+01	1.20E+01	1.49E+01
5590	476801.27	3849418.65	27.60021	1.00E+01	1.13E+01	1.40E+01
5591	476956.2	3849495.05	25.86338	9.40E+00	1.06E+01	1.31E+01
5592	477038.84	3849535.56	25.824	9.39E+00	1.05E+01	1.31E+01
5593	477121.49	3849576.08	25.95534	9.44E+00	1.06E+01	1.31E+01
5594	477204.13	3849616.6	26.14911	9.51E+00	1.07E+01	1.32E+01
5595	477286.78	3849657.12	25.41121	9.24E+00	1.04E+01	1.29E+01
5596	477369.42	3849697.63	25.3499	9.22E+00	1.04E+01	1.28E+01
5597	477452.07	3849738.15	25.9189	9.42E+00	1.06E+01	1.31E+01
5598	477534.71	3849778.67	24.98272	9.08E+00	1.02E+01	1.27E+01
5599	477617.36	3849819.18	25.30219	9.20E+00	1.03E+01	1.28E+01
5600	477824.74	3849896.37	24.05239	8.74E+00	9.83E+00	1.22E+01
5601	477906.31	3849936.37	25.68476	9.34E+00	1.05E+01	1.30E+01
5602	477987.89	3849976.36	25.07039	9.11E+00	1.02E+01	1.27E+01
5603	478069.47	3850016.36	25.93452	9.43E+00	1.06E+01	1.31E+01

5604	478151.04	3850056.35	25.19776	9.16E+00	1.03E+01	1.28E+01
5605	478232.62	3850096.35	25.38676	9.23E+00	1.04E+01	1.29E+01
5606	478314.2	3850136.34	25.4593	9.26E+00	1.04E+01	1.29E+01
5607	478395.77	3850176.34	25.42527	9.24E+00	1.04E+01	1.29E+01
5608	478575.43	3850244.45	21.7432	7.90E+00	8.88E+00	1.10E+01
5609	478665.06	3850287.29	21.59205	7.85E+00	8.82E+00	1.09E+01
5610	478754.69	3850330.14	21.321	7.75E+00	8.71E+00	1.08E+01
5611	478844.32	3850372.99	20.82272	7.57E+00	8.51E+00	1.05E+01
5612	478933.95	3850415.84	20.20188	7.34E+00	8.25E+00	1.02E+01
5613	479023.58	3850458.68	20.89009	7.59E+00	8.53E+00	1.06E+01
5614	479110.66	3850441.91	14.37294	5.23E+00	5.87E+00	7.28E+00
5615	479191.22	3850423.99	11.43418	4.16E+00	4.67E+00	5.79E+00
5616	479274.32	3850465.71	11.63214	4.23E+00	4.75E+00	5.89E+00
5617	479357.43	3850507.42	12.00659	4.37E+00	4.90E+00	6.08E+00
5618	479440.53	3850549.14	12.1707	4.42E+00	4.97E+00	6.16E+00
5619	479523.64	3850590.85	12.24541	4.45E+00	5.00E+00	6.20E+00
5620	479606.74	3850632.57	12.30599	4.47E+00	5.03E+00	6.23E+00
5621	479777.37	3850707.61	11.88813	4.32E+00	4.86E+00	6.02E+00
5622	479864.9	3850740.95	11.61228	4.22E+00	4.74E+00	5.88E+00
5623	479931.87	3850829.57	14.53159	5.28E+00	5.94E+00	7.36E+00
5624	479995.55	3850926.75	20.9826	7.63E+00	8.57E+00	1.06E+01
5625	480079.78	3850968.64	20.74443	7.54E+00	8.47E+00	1.05E+01
5626	480164.01	3851010.54	20.64391	7.51E+00	8.43E+00	1.05E+01
5627	480248.23	3851052.43	20.4259	7.43E+00	8.34E+00	1.03E+01
5628	480332.46	3851094.33	20.64666	7.51E+00	8.43E+00	1.05E+01
5629	480416.69	3851136.22	21.56293	7.84E+00	8.81E+00	1.09E+01
5630	480579.95	3851215.17	22.05191	8.02E+00	9.01E+00	1.12E+01
5631	480658.98	3851252.22	21.76377	7.91E+00	8.89E+00	1.10E+01
5632	480817.36	3851327.85	21.0437	7.65E+00	8.60E+00	1.07E+01
5633	480896.72	3851366.43	22.64015	8.23E+00	9.25E+00	1.15E+01
5634	480976.07	3851405	25.21755	9.17E+00	1.03E+01	1.28E+01
5635	481178	3851487.31	18.86992	6.86E+00	7.71E+00	9.56E+00
5636	481244.9	3851557.17	20.02843	7.28E+00	8.18E+00	1.01E+01
5637	481311.81	3851627.03	22.77423	8.28E+00	9.30E+00	1.15E+01
5638	481378.71	3851696.89	24.53185	8.92E+00	1.00E+01	1.24E+01
5639	481445.61	3851766.76	23.96948	8.71E+00	9.79E+00	1.21E+01
5640	481512.51	3851836.62	23.01246	8.37E+00	9.40E+00	1.17E+01
5641	481579.42	3851906.48	21.36313	7.77E+00	8.73E+00	1.08E+01
5642	481646.32	3851976.34	20.28169	7.37E+00	8.29E+00	1.03E+01
5643	481713.22	3852046.2	20.47724	7.44E+00	8.37E+00	1.04E+01
5644	481780.12	3852116.06	20.74487	7.54E+00	8.47E+00	1.05E+01
5645	481847.03	3852185.92	20.80958	7.57E+00	8.50E+00	1.05E+01
5646	481913.93	3852255.78	20.50027	7.45E+00	8.37E+00	1.04E+01
5647	481980.83	3852325.65	19.7238	7.17E+00	8.06E+00	9.99E+00
5648	482047.73	3852395.51	20.09989	7.31E+00	8.21E+00	1.02E+01
5649	482114.64	3852465.37	19.64284	7.14E+00	8.02E+00	9.95E+00
5650	482181.54	3852535.23	20.56349	7.48E+00	8.40E+00	1.04E+01
5651	482338.69	3852700.05	21.06885	7.66E+00	8.61E+00	1.07E+01
5652	482404.05	3852767.78	21.2382	7.72E+00	8.68E+00	1.08E+01
5653	482469.4	3852835.52	21.43548	7.79E+00	8.76E+00	1.09E+01
5654	482534.75	3852903.25	21.84737	7.94E+00	8.92E+00	1.11E+01
5655	482600.11	3852970.99	21.22475	7.72E+00	8.67E+00	1.08E+01
5656	482706.71	3853119.28	21.92627	7.97E+00	8.96E+00	1.11E+01
5657	482747.96	3853199.84	21.45401	7.80E+00	8.76E+00	1.09E+01
5658	482789.21	3853280.4	20.0452	7.29E+00	8.19E+00	1.02E+01
5659	482830.46	3853360.96	17.50988	6.37E+00	7.15E+00	8.87E+00
5660	482871.71	3853441.52	16.00923	5.82E+00	6.54E+00	8.11E+00
5661	482912.95	3853522.07	12.85392	4.67E+00	5.25E+00	6.51E+00
5662	482954.2	3853602.63	10.22299	3.72E+00	4.18E+00	5.18E+00
5663	482995.45	3853683.19	8.0257	2.92E+00	3.28E+00	4.07E+00
5664	483036.7	3853763.75	6.54639	2.38E+00	2.67E+00	3.32E+00
5665	483214.2	3853909.91	4.42742	1.61E+00	1.81E+00	2.24E+00
5666	483307.01	3853910.44	4.82649	1.75E+00	1.97E+00	2.44E+00

5667	483399.83	3853910.96	4.90536	1.78E+00	2.00E+00	2.48E+00
5668	483494.52	3854009.24	4.35659	1.58E+00	1.78E+00	2.21E+00
5669	483496.41	3854106.98	3.89332	1.42E+00	1.59E+00	1.97E+00
5670	483577.56	3854261.96	3.31369	1.20E+00	1.35E+00	1.68E+00
5671	483656.83	3854319.19	3.15237	1.15E+00	1.29E+00	1.60E+00
5672	483736.1	3854376.41	2.90544	1.06E+00	1.19E+00	1.47E+00
5673	483815.37	3854433.64	2.62905	9.56E-01	1.07E+00	1.33E+00
5674	483894.63	3854490.87	2.32421	8.45E-01	9.49E-01	1.18E+00
5675	483973.9	3854548.1	2.11262	7.68E-01	8.63E-01	1.07E+00
5676	484053.17	3854605.32	2.00399	7.29E-01	8.19E-01	1.02E+00
5677	484214.97	3854698.15	2.09131	7.60E-01	8.54E-01	1.06E+00
5678	484297.5	3854733.74	2.24942	8.18E-01	9.19E-01	1.14E+00
5679	484380.03	3854769.34	2.23412	8.12E-01	9.13E-01	1.13E+00
5680	484462.56	3854804.94	2.24169	8.15E-01	9.16E-01	1.14E+00
5681	484545.09	3854840.53	2.07773	7.55E-01	8.49E-01	1.05E+00
5682	484691.88	3854912.59	1.88755	6.86E-01	7.71E-01	9.56E-01
5683	484830.81	3855012.51	1.80118	6.55E-01	7.36E-01	9.12E-01
5684	484905.48	3855075.97	1.79696	6.53E-01	7.34E-01	9.10E-01
5685	484980.14	3855139.44	1.76269	6.41E-01	7.20E-01	8.93E-01
5686	485054.81	3855202.91	1.71315	6.23E-01	7.00E-01	8.68E-01
5687	485129.48	3855266.37	1.65584	6.02E-01	6.76E-01	8.39E-01
5688	485204.15	3855329.84	1.61425	5.87E-01	6.59E-01	8.18E-01
5689	485278.82	3855393.31	1.56782	5.70E-01	6.40E-01	7.94E-01
5690	485353.48	3855456.77	1.51914	5.52E-01	6.21E-01	7.69E-01
5691	485428.15	3855520.24	1.47531	5.36E-01	6.03E-01	7.47E-01
5692	485502.82	3855583.71	1.43358	5.21E-01	5.86E-01	7.26E-01
5693	485577.49	3855647.17	1.3932	5.07E-01	5.69E-01	7.06E-01
5694	485652.16	3855710.64	1.35147	4.91E-01	5.52E-01	6.85E-01
5695	485726.83	3855774.11	1.31275	4.77E-01	5.36E-01	6.65E-01
5696	485801.49	3855837.57	1.27922	4.65E-01	5.23E-01	6.48E-01
5697	485876.16	3855901.04	1.24425	4.52E-01	5.08E-01	6.30E-01
5698	485950.83	3855964.5	1.21335	4.41E-01	4.96E-01	6.15E-01
5699	486025.5	3856027.97	1.1854	4.31E-01	4.84E-01	6.00E-01
5700	486100.17	3856091.44	1.1482	4.17E-01	4.69E-01	5.82E-01
5701	486174.83	3856154.9	1.12561	4.09E-01	4.60E-01	5.70E-01
5702	486249.5	3856218.37	1.11889	4.07E-01	4.57E-01	5.67E-01
5703	486324.17	3856281.84	1.12261	4.08E-01	4.59E-01	5.69E-01
5704	486398.84	3856345.3	1.10104	4.00E-01	4.50E-01	5.58E-01
5705	486473.51	3856408.77	1.08641	3.95E-01	4.44E-01	5.50E-01
5706	486548.17	3856472.24	1.06409	3.87E-01	4.35E-01	5.39E-01
5707	486622.84	3856535.7	1.04253	3.79E-01	4.26E-01	5.28E-01
5708	486765.48	3856659.69	0.9925	3.61E-01	4.05E-01	5.03E-01
5709	486833.44	3856720.2	0.97034	3.53E-01	3.96E-01	4.91E-01
5710	486901.41	3856780.72	0.94218	3.43E-01	3.85E-01	4.77E-01
5711	486969.38	3856841.24	0.93633	3.40E-01	3.82E-01	4.74E-01
5712	487037.34	3856901.75	0.93183	3.39E-01	3.81E-01	4.72E-01
5713	487271.23	3856855.51	1.06925	3.89E-01	4.37E-01	5.42E-01
5714	487368.96	3856857.29	1.01628	3.69E-01	4.15E-01	5.15E-01
5715	487466.68	3856859.06	0.9638	3.50E-01	3.94E-01	4.88E-01
5716	487636.44	3856930	0.95185	3.46E-01	3.89E-01	4.82E-01
5717	487709.57	3856928.43	0.96684	3.52E-01	3.95E-01	4.90E-01
5718	487782.55	3856841.96	0.99907	3.63E-01	4.08E-01	5.06E-01
5719	487849.83	3856754.74	1.02398	3.72E-01	4.18E-01	5.19E-01
5720	487918.03	3856819.39	1.0221	3.72E-01	4.18E-01	5.18E-01
5721	487918.8	3856886.37	1.02155	3.71E-01	4.17E-01	5.17E-01
5722	488065.47	3857127.51	1.10371	4.01E-01	4.51E-01	5.59E-01
5723	488192.19	3857385.84	1.2816	4.66E-01	5.24E-01	6.49E-01
5724	488191.22	3857473.87	1.24492	4.53E-01	5.09E-01	6.31E-01
5725	488190.24	3857561.91	1.32339	4.81E-01	5.41E-01	6.70E-01
5726	488158.35	3857691.13	1.52777	5.55E-01	6.24E-01	7.74E-01
5727	488208.37	3857816.66	1.70881	6.21E-01	6.98E-01	8.66E-01
5728	488271.97	3857874.6	1.7404	6.33E-01	7.11E-01	8.82E-01
5729	488463.56	3857942.31	1.61529	5.87E-01	6.60E-01	8.18E-01

5730	488554.83	3857940.83	1.53357	5.58E-01	6.26E-01	7.77E-01
5731	488646.1	3857939.36	1.5301	5.56E-01	6.25E-01	7.75E-01
5732	488737.37	3857937.88	1.55088	5.64E-01	6.34E-01	7.86E-01
5733	488733.59	3857960.57	1.5731	5.72E-01	6.43E-01	7.97E-01
5734	488638.09	3857961.57	1.55103	5.64E-01	6.34E-01	7.86E-01
5735	488542.6	3857962.56	1.56266	5.68E-01	6.38E-01	7.92E-01
5736	488447.1	3857963.56	1.6662	6.06E-01	6.81E-01	8.44E-01
5737	488254.28	3857890.36	1.80942	6.58E-01	7.39E-01	9.16E-01
5738	488191.69	3857833.06	1.77092	6.44E-01	7.23E-01	8.97E-01
5739	488129.5	3857907.43	2.05678	7.48E-01	8.40E-01	1.04E+00
5740	488196.47	3857968.74	2.06873	7.52E-01	8.45E-01	1.05E+00
5741	488263.44	3858030.04	2.05503	7.47E-01	8.39E-01	1.04E+00
5742	488400.64	3858132.9	2.14615	7.80E-01	8.77E-01	1.09E+00
5743	488519.89	3858218.38	2.23928	8.14E-01	9.15E-01	1.13E+00
5744	488647.97	3858214.99	1.99373	7.25E-01	8.14E-01	1.01E+00
5745	488727.05	3858167.67	1.83391	6.67E-01	7.49E-01	9.29E-01
5746	488806.12	3858120.35	1.71031	6.22E-01	6.99E-01	8.66E-01
5747	488885.2	3858073.03	1.62418	5.90E-01	6.63E-01	8.23E-01
5748	489055.76	3857991.18	1.64467	5.98E-01	6.72E-01	8.33E-01
5749	489245.39	3857944.55	1.48204	5.39E-01	6.05E-01	7.51E-01
5750	489430.63	3857930.91	1.27568	4.64E-01	5.21E-01	6.46E-01
5751	489517.74	3857929.36	1.25362	4.56E-01	5.12E-01	6.35E-01
5752	489604.86	3857927.82	1.21249	4.41E-01	4.95E-01	6.14E-01
5753	489691.97	3857926.28	1.18001	4.29E-01	4.82E-01	5.98E-01
5754	489779.08	3857924.73	1.14508	4.16E-01	4.68E-01	5.80E-01
5755	490017.55	3857875.09	1.00882	3.67E-01	4.12E-01	5.11E-01
5756	490033.82	3857960.81	1.06101	3.86E-01	4.33E-01	5.37E-01
5757	489959.15	3857987.49	1.12351	4.08E-01	4.59E-01	5.69E-01
5758	489791.49	3858016.12	1.19005	4.33E-01	4.86E-01	6.03E-01
5759	489698.51	3858018.07	1.23235	4.48E-01	5.03E-01	6.24E-01
5760	489605.52	3858020.02	1.27646	4.64E-01	5.21E-01	6.47E-01
5761	489512.53	3858021.96	1.32635	4.82E-01	5.42E-01	6.72E-01
5762	489419.55	3858023.91	1.37537	5.00E-01	5.62E-01	6.97E-01
5763	489228.47	3858041.29	1.68153	6.11E-01	6.87E-01	8.52E-01
5764	489065.75	3858085.78	1.65373	6.01E-01	6.76E-01	8.38E-01
5765	489001.12	3858114.86	1.65638	6.02E-01	6.77E-01	8.39E-01
5766	488861.89	3858189.81	1.81984	6.62E-01	7.43E-01	9.22E-01
5767	488787.29	3858235.69	1.95902	7.12E-01	8.00E-01	9.92E-01
5768	488712.68	3858281.57	2.13433	7.76E-01	8.72E-01	1.08E+00
5769	488654.39	3858436.17	2.88331	1.05E+00	1.18E+00	1.46E+00
5770	488726.31	3858505.26	3.08884	1.12E+00	1.26E+00	1.56E+00
5771	488880.6	3858599.28	3.38146	1.23E+00	1.38E+00	1.71E+00
5772	489008.06	3858714.75	4.11302	1.50E+00	1.68E+00	2.08E+00
5773	489071.48	3858772.72	5.24898	1.91E+00	2.14E+00	2.66E+00
5774	489244.6	3858920.2	7.66891	2.79E+00	3.13E+00	3.88E+00
5775	489239.69	3858952.23	9.34256	3.40E+00	3.82E+00	4.73E+00
5776	489121.67	3858854.49	6.89909	2.51E+00	2.82E+00	3.49E+00
5777	489059.59	3858797.27	5.97976	2.17E+00	2.44E+00	3.03E+00
5778	488997.52	3858740.04	4.477	1.63E+00	1.83E+00	2.27E+00
5779	488935.44	3858682.82	3.8233	1.39E+00	1.56E+00	1.94E+00
5780	488869.17	3858848.43	9.07067	3.30E+00	3.71E+00	4.59E+00
5781	488932.48	3858892.69	11.54301	4.20E+00	4.72E+00	5.85E+00
5782	489063.27	3858977.17	14.87912	5.41E+00	6.08E+00	7.54E+00
5783	489248.2	3859117.15	19.33098	7.03E+00	7.90E+00	9.79E+00
5784	489296.25	3859049.22	11.72607	4.26E+00	4.79E+00	5.94E+00
5785	489353.38	3858993.97	9.18285	3.34E+00	3.75E+00	4.65E+00
5786	489537.25	3859120.22	10.02152	3.64E+00	4.09E+00	5.08E+00
5787	489726.98	3859246.04	11.12555	4.04E+00	4.54E+00	5.64E+00
5788	489911.46	3859366.33	11.73657	4.27E+00	4.79E+00	5.94E+00
5789	490035.3	3859430.26	11.78931	4.29E+00	4.82E+00	5.97E+00
5790	490101.11	3859458.61	11.56569	4.20E+00	4.72E+00	5.86E+00
5791	490312.68	3859560.3	12.67451	4.61E+00	5.18E+00	6.42E+00
5792	490401.63	3859603.12	13.54871	4.93E+00	5.53E+00	6.86E+00

5793	490490.57	3859645.94	14.11687	5.13E+00	5.77E+00	7.15E+00
5794	490579.51	3859688.76	14.48785	5.27E+00	5.92E+00	7.34E+00
5795	490668.45	3859731.58	14.26631	5.19E+00	5.83E+00	7.23E+00
5796	490757.4	3859774.4	15.66952	5.70E+00	6.40E+00	7.94E+00
5797	491003.53	3859861.82	15.0966	5.49E+00	6.17E+00	7.65E+00
5798	491081.41	3859879.05	14.00035	5.09E+00	5.72E+00	7.09E+00
5799	491229.76	3859917.82	12.2742	4.46E+00	5.01E+00	6.22E+00
5800	491300.22	3859939.35	11.46074	4.17E+00	4.68E+00	5.81E+00
5801	491350.49	3860012.03	12.6009	4.58E+00	5.15E+00	6.38E+00
5802	491406.82	3860092.57	13.07936	4.76E+00	5.34E+00	6.62E+00
5803	491483.37	3860121.96	12.15633	4.42E+00	4.97E+00	6.16E+00
5804	491559.91	3860151.36	11.26868	4.10E+00	4.60E+00	5.71E+00
5805	491711.81	3860237.76	8.03704	2.92E+00	3.28E+00	4.07E+00
5806	491755.2	3860319.07	9.52414	3.46E+00	3.89E+00	4.82E+00
5807	491704.71	3860366.54	13.8228	5.03E+00	5.65E+00	7.00E+00
5808	491623.43	3860462.39	13.77408	5.01E+00	5.63E+00	6.98E+00
5809	491534.02	3860439.85	9.19646	3.34E+00	3.76E+00	4.66E+00
5810	491313.95	3860268.18	10.50591	3.82E+00	4.29E+00	5.32E+00
5811	491187.12	3860143.56	13.36983	4.86E+00	5.46E+00	6.77E+00
5812	491070.43	3860075.97	13.16379	4.79E+00	5.38E+00	6.67E+00
5813	490995.09	3860039.39	13.0243	4.74E+00	5.32E+00	6.60E+00
5814	490919.75	3860002.8	13.62132	4.95E+00	5.56E+00	6.90E+00
5815	490756.81	3859894.53	21.38741	7.78E+00	8.74E+00	1.08E+01
5816	490668.07	3859860.92	20.61994	7.50E+00	8.42E+00	1.04E+01
5817	490579.34	3859827.3	20.85975	7.58E+00	8.52E+00	1.06E+01
5818	490490.6	3859793.68	19.84013	7.21E+00	8.10E+00	1.00E+01
5819	490401.86	3859760.07	18.90998	6.87E+00	7.72E+00	9.58E+00
5820	490313.12	3859726.45	18.45347	6.71E+00	7.54E+00	9.35E+00
5821	490224.39	3859692.83	18.4821	6.72E+00	7.55E+00	9.36E+00
5822	490135.65	3859659.22	19.11516	6.95E+00	7.81E+00	9.68E+00
5823	489918.19	3859559.23	20.13773	7.32E+00	8.23E+00	1.02E+01
5824	489743.61	3859486	16.65169	6.05E+00	6.80E+00	8.43E+00
5825	489660.32	3859440.27	16.13105	5.86E+00	6.59E+00	8.17E+00
5826	489577.04	3859394.53	15.86634	5.77E+00	6.48E+00	8.04E+00
5827	489493.75	3859348.8	15.53767	5.65E+00	6.35E+00	7.87E+00
5828	489321.28	3859240.02	16.42565	5.97E+00	6.71E+00	8.32E+00
5829	489235.41	3859193.96	16.90259	6.15E+00	6.90E+00	8.56E+00
5830	489149.54	3859147.89	15.29051	5.56E+00	6.25E+00	7.74E+00
5831	489063.68	3859101.82	14.68838	5.34E+00	6.00E+00	7.44E+00
5832	488977.81	3859055.75	14.45334	5.25E+00	5.90E+00	7.32E+00
5833	488891.94	3859009.69	13.35499	4.86E+00	5.46E+00	6.76E+00
5834	488808	3859060.73	9.57088	3.48E+00	3.91E+00	4.85E+00
5835	488809.93	3859157.85	7.9943	2.91E+00	3.27E+00	4.05E+00
5836	488811.86	3859254.96	6.80571	2.47E+00	2.78E+00	3.45E+00
5837	488813.78	3859352.07	5.88023	2.14E+00	2.40E+00	2.98E+00
5838	488815.71	3859449.19	5.18051	1.88E+00	2.12E+00	2.62E+00
5839	488910.04	3859547.11	4.91544	1.79E+00	2.01E+00	2.49E+00
5840	489002.45	3859547.91	5.28247	1.92E+00	2.16E+00	2.68E+00
5841	489094.85	3859548.72	5.72192	2.08E+00	2.34E+00	2.90E+00
5842	489230.05	3859601.87	5.91466	2.15E+00	2.42E+00	3.00E+00
5843	489227.52	3859680.89	5.16828	1.88E+00	2.11E+00	2.62E+00
5844	489133.47	3859760.29	4.25219	1.55E+00	1.74E+00	2.15E+00
5845	489041.96	3859760.67	4.01704	1.46E+00	1.64E+00	2.03E+00
5846	488950.45	3859761.05	3.79297	1.38E+00	1.55E+00	1.92E+00
5847	488858.94	3859761.43	3.59991	1.31E+00	1.47E+00	1.82E+00
5848	488767.43	3859761.82	3.3996	1.24E+00	1.39E+00	1.72E+00
5849	488675.92	3859762.2	3.2454	1.18E+00	1.33E+00	1.64E+00
5850	488584.41	3859762.58	3.06136	1.11E+00	1.25E+00	1.55E+00
5851	488492.9	3859762.96	2.87444	1.05E+00	1.17E+00	1.46E+00
5852	488402.76	3859830.95	2.65015	9.63E-01	1.08E+00	1.34E+00
5853	488404.14	3859898.55	2.52019	9.16E-01	1.03E+00	1.28E+00
5854	488505.18	3859964.96	2.54619	9.26E-01	1.04E+00	1.29E+00
5855	488604.85	3859963.76	2.68384	9.76E-01	1.10E+00	1.36E+00

5856	488704.51	3859962.56	2.79163	1.01E+00	1.14E+00	1.41E+00
5857	488804.18	3859961.37	2.89134	1.05E+00	1.18E+00	1.46E+00
5858	488903.85	3859960.17	2.99745	1.09E+00	1.22E+00	1.52E+00
5859	489003.52	3859958.97	3.11157	1.13E+00	1.27E+00	1.58E+00
5860	489103.18	3859957.77	3.24149	1.18E+00	1.32E+00	1.64E+00
5861	489201.48	3860046.59	3.12013	1.13E+00	1.27E+00	1.58E+00
5862	489200.11	3860136.61	2.88545	1.05E+00	1.18E+00	1.46E+00
5863	489198.74	3860226.63	2.68449	9.76E-01	1.10E+00	1.36E+00
5864	489197.38	3860316.66	2.49671	9.08E-01	1.02E+00	1.26E+00
5865	489196.01	3860406.68	2.31255	8.41E-01	9.45E-01	1.17E+00
5866	489194.64	3860496.7	2.08836	7.59E-01	8.53E-01	1.06E+00
5867	489193.27	3860586.72	1.87251	6.81E-01	7.65E-01	9.48E-01
5868	489092.02	3860678.13	1.69277	6.15E-01	6.92E-01	8.57E-01
5869	488992.13	3860679.53	1.65167	6.00E-01	6.75E-01	8.37E-01
5870	488892.25	3860680.92	1.64203	5.97E-01	6.71E-01	8.32E-01
5871	488792.36	3860682.31	1.62955	5.92E-01	6.66E-01	8.25E-01
5872	488692.48	3860683.7	1.62015	5.89E-01	6.62E-01	8.21E-01
5873	488592.59	3860685.1	1.59433	5.80E-01	6.51E-01	8.08E-01
5874	488492.71	3860686.49	1.58355	5.76E-01	6.47E-01	8.02E-01
5875	488299.07	3860762.18	1.44368	5.25E-01	5.90E-01	7.31E-01
5876	488205.32	3860764.09	1.37619	5.00E-01	5.62E-01	6.97E-01
5877	488111.56	3860766	1.30859	4.76E-01	5.35E-01	6.63E-01
5878	488017.81	3860767.91	1.25307	4.56E-01	5.12E-01	6.35E-01
5879	487924.06	3860769.81	1.21292	4.41E-01	4.95E-01	6.14E-01
5880	487830.31	3860771.72	1.18181	4.30E-01	4.83E-01	5.99E-01
5881	487736.55	3860773.63	1.1561	4.20E-01	4.72E-01	5.86E-01
5882	487642.8	3860775.54	1.13752	4.14E-01	4.65E-01	5.76E-01
5883	487549.48	3860684.71	1.19617	4.35E-01	4.89E-01	6.06E-01
5884	487549.91	3860591.97	1.27687	4.64E-01	5.22E-01	6.47E-01
5885	487550.34	3860499.23	1.37669	5.01E-01	5.62E-01	6.97E-01
5886	487550.76	3860406.49	1.48221	5.39E-01	6.05E-01	7.51E-01
5887	487551.19	3860313.75	1.57545	5.73E-01	6.44E-01	7.98E-01
5888	487551.62	3860221.01	1.66621	6.06E-01	6.81E-01	8.44E-01
5889	487552.05	3860128.27	1.7712	6.44E-01	7.24E-01	8.97E-01
5890	487552.48	3860035.53	1.87689	6.82E-01	7.67E-01	9.51E-01
5891	487552.91	3859942.79	1.96599	7.15E-01	8.03E-01	9.96E-01
5892	487553.33	3859850.05	2.09107	7.60E-01	8.54E-01	1.06E+00
5893	487553.76	3859757.31	2.18773	7.95E-01	8.94E-01	1.11E+00
5894	487554.19	3859664.57	2.23532	8.13E-01	9.13E-01	1.13E+00
5895	487460.2	3859571.05	2.00433	7.29E-01	8.19E-01	1.02E+00
5896	487365.78	3859570.27	1.84698	6.71E-01	7.55E-01	9.36E-01
5897	487271.36	3859569.48	1.69382	6.16E-01	6.92E-01	8.58E-01
5898	487176.94	3859568.7	1.59357	5.79E-01	6.51E-01	8.07E-01
5899	487082.51	3859567.92	1.54515	5.62E-01	6.31E-01	7.83E-01
5900	486988.09	3859567.14	1.49834	5.45E-01	6.12E-01	7.59E-01
5901	486893.67	3859566.36	1.45414	5.29E-01	5.94E-01	7.37E-01
5902	486799.25	3859565.58	1.41151	5.13E-01	5.77E-01	7.15E-01
5903	486704.83	3859564.79	1.37129	4.99E-01	5.60E-01	6.95E-01
5904	486610.41	3859564.01	1.33334	4.85E-01	5.45E-01	6.75E-01
5905	486515.99	3859563.23	1.29373	4.70E-01	5.29E-01	6.55E-01
5906	486421.57	3859562.45	1.25798	4.57E-01	5.14E-01	6.37E-01
5907	486327.14	3859561.67	1.22581	4.46E-01	5.01E-01	6.21E-01
5908	486232.72	3859560.89	1.1919	4.33E-01	4.87E-01	6.04E-01
5909	486138.3	3859560.1	1.16066	4.22E-01	4.74E-01	5.88E-01
5910	486043.88	3859559.32	1.13022	4.11E-01	4.62E-01	5.72E-01
5911	485949.35	3859463.54	1.14808	4.17E-01	4.69E-01	5.82E-01
5912	485949.24	3859368.55	1.17726	4.28E-01	4.81E-01	5.96E-01
5913	485949.12	3859273.55	1.19084	4.33E-01	4.86E-01	6.03E-01
5914	485949.01	3859178.56	1.19348	4.34E-01	4.88E-01	6.05E-01
5915	485948.9	3859083.56	1.19175	4.33E-01	4.87E-01	6.04E-01
5916	485948.79	3858988.56	1.1744	4.27E-01	4.80E-01	5.95E-01
5917	485948.67	3858893.57	1.1316	4.11E-01	4.62E-01	5.73E-01
5918	485948.56	3858798.57	1.08904	3.96E-01	4.45E-01	5.52E-01

5919	485948.45	3858703.58	1.06523	3.87E-01	4.35E-01	5.40E-01
5920	485948.34	3858608.58	1.09127	3.97E-01	4.46E-01	5.53E-01
5921	485948.22	3858513.59	1.09476	3.98E-01	4.47E-01	5.55E-01
5922	485948.11	3858418.59	1.10344	4.01E-01	4.51E-01	5.59E-01
5923	485948	3858323.59	1.15152	4.19E-01	4.70E-01	5.83E-01
5924	485947.89	3858228.6	1.15247	4.19E-01	4.71E-01	5.84E-01
5925	485947.77	3858133.6	1.09518	3.98E-01	4.47E-01	5.55E-01
5926	485947.66	3858038.61	1.12254	4.08E-01	4.59E-01	5.69E-01
5927	485854.54	3857943.35	1.13719	4.13E-01	4.65E-01	5.76E-01
5928	485761.52	3857943.09	1.05197	3.82E-01	4.30E-01	5.33E-01
5929	485668.51	3857942.83	1.0712	3.89E-01	4.38E-01	5.43E-01
5930	485575.5	3857942.56	1.11005	4.04E-01	4.53E-01	5.62E-01
5931	485482.48	3857942.3	1.12708	4.10E-01	4.60E-01	5.71E-01
5932	485389.47	3857942.04	1.12205	4.08E-01	4.58E-01	5.68E-01
5933	485296.46	3857941.78	1.09926	4.00E-01	4.49E-01	5.57E-01
5934	485203.45	3857941.52	1.06512	3.87E-01	4.35E-01	5.39E-01
5935	485110.43	3857941.26	1.0236	3.72E-01	4.18E-01	5.18E-01
5936	485017.42	3857940.99	0.98004	3.56E-01	4.00E-01	4.96E-01
5937	484924.41	3857940.73	0.93767	3.41E-01	3.83E-01	4.75E-01
5938	484831.39	3857940.47	0.89862	3.27E-01	3.67E-01	4.55E-01
5939	484738.12	3857859.3	0.88124	3.20E-01	3.60E-01	4.46E-01
5940	484737.85	3857778.4	0.8804	3.20E-01	3.60E-01	4.46E-01
5941	484737.59	3857697.49	0.86215	3.13E-01	3.52E-01	4.37E-01
5942	484737.32	3857616.59	0.83378	3.03E-01	3.41E-01	4.22E-01
5943	484645.53	3857535.18	0.8026	2.92E-01	3.28E-01	4.07E-01
5944	484553.99	3857534.67	0.76992	2.80E-01	3.15E-01	3.90E-01
5945	484462.46	3857534.17	0.75983	2.76E-01	3.10E-01	3.85E-01
5946	484370.93	3857533.66	0.75291	2.74E-01	3.08E-01	3.81E-01
5947	484279.4	3857533.16	0.74765	2.72E-01	3.05E-01	3.79E-01
5948	484187.86	3857532.65	0.74311	2.70E-01	3.04E-01	3.76E-01
5949	484096.33	3857532.15	0.73855	2.69E-01	3.02E-01	3.74E-01
5950	484004.8	3857531.64	0.73278	2.66E-01	2.99E-01	3.71E-01
5951	483913.27	3857531.14	0.72551	2.64E-01	2.96E-01	3.67E-01
5952	483821.73	3857530.63	0.71715	2.61E-01	2.93E-01	3.63E-01
5953	483729.61	3857450.11	0.69848	2.54E-01	2.85E-01	3.54E-01
5954	483729.03	3857370.08	0.68001	2.47E-01	2.78E-01	3.44E-01
5955	483728.44	3857290.06	0.6549	2.38E-01	2.68E-01	3.32E-01
5956	483727.86	3857210.03	0.64222	2.33E-01	2.62E-01	3.25E-01
5957	483641.15	3857129.07	0.63641	2.31E-01	2.60E-01	3.22E-01
5958	483555.03	3857128.14	0.62389	2.27E-01	2.55E-01	3.16E-01
5959	483468.91	3857127.2	0.63648	2.31E-01	2.60E-01	3.22E-01
5960	483382.78	3857126.26	0.67668	2.46E-01	2.76E-01	3.43E-01
5961	483296.66	3857125.32	0.70485	2.56E-01	2.88E-01	3.57E-01
5962	483210.54	3857124.39	0.71821	2.61E-01	2.93E-01	3.64E-01
5963	483123.4	3857030.96	0.7346	2.67E-01	3.00E-01	3.72E-01
5964	483122.38	3856938.46	0.75288	2.74E-01	3.08E-01	3.81E-01
5965	483121.35	3856845.97	0.77224	2.81E-01	3.15E-01	3.91E-01
5966	483120.33	3856753.47	0.78999	2.87E-01	3.23E-01	4.00E-01
5967	483119.31	3856660.98	0.80885	2.94E-01	3.30E-01	4.10E-01
5968	483118.29	3856568.49	0.83021	3.02E-01	3.39E-01	4.21E-01
5969	483117.26	3856475.99	0.85369	3.10E-01	3.49E-01	4.32E-01
5970	483116.24	3856383.5	0.87756	3.19E-01	3.58E-01	4.44E-01
5971	483115.22	3856291.01	0.90316	3.28E-01	3.69E-01	4.57E-01
5972	483114.2	3856198.51	0.9287	3.38E-01	3.79E-01	4.70E-01
5973	483113.17	3856106.02	0.95963	3.49E-01	3.92E-01	4.86E-01
5974	483112.15	3856013.52	0.98932	3.60E-01	4.04E-01	5.01E-01
5975	483029.25	3855920.47	1.02185	3.71E-01	4.17E-01	5.18E-01
5976	482947.37	3855919.91	0.99185	3.61E-01	4.05E-01	5.02E-01
5977	482865.49	3855919.36	0.94736	3.44E-01	3.87E-01	4.80E-01
5978	482783.61	3855918.8	0.90466	3.29E-01	3.70E-01	4.58E-01
5979	482700.33	3855818.39	0.89443	3.25E-01	3.65E-01	4.53E-01
5980	482698.92	3855718.54	0.92556	3.36E-01	3.78E-01	4.69E-01
5981	482697.52	3855618.68	0.95728	3.48E-01	3.91E-01	4.85E-01

5982	482696.11	3855518.83	0.9945	3.62E-01	4.06E-01	5.04E-01
5983	482694.71	3855418.98	1.03225	3.75E-01	4.22E-01	5.23E-01
5984	482693.3	3855319.13	1.07415	3.91E-01	4.39E-01	5.44E-01
5985	482691.9	3855219.27	1.12265	4.08E-01	4.59E-01	5.69E-01
5986	482690.49	3855119.42	1.17399	4.27E-01	4.80E-01	5.95E-01
5987	482689.09	3855019.57	1.23676	4.50E-01	5.05E-01	6.26E-01
5988	482687.68	3854919.72	1.3023	4.73E-01	5.32E-01	6.60E-01
5989	482686.28	3854819.86	1.37888	5.01E-01	5.63E-01	6.98E-01
5990	482684.88	3854720.01	1.45834	5.30E-01	5.96E-01	7.39E-01
5991	482683.47	3854620.16	1.55467	5.65E-01	6.35E-01	7.87E-01
5992	482682.07	3854520.31	1.6593	6.03E-01	6.78E-01	8.40E-01
5993	482680.66	3854420.45	1.77963	6.47E-01	7.27E-01	9.01E-01
5994	482679.26	3854320.6	1.91951	6.98E-01	7.84E-01	9.72E-01
5995	482677.85	3854220.75	2.09434	7.61E-01	8.56E-01	1.06E+00
5996	482676.45	3854120.9	2.29377	8.34E-01	9.37E-01	1.16E+00
5997	482675.04	3854021.04	2.54532	9.25E-01	1.04E+00	1.29E+00
5998	482673.64	3853921.19	2.85212	1.04E+00	1.17E+00	1.44E+00
5999	482672.23	3853821.34	3.25778	1.18E+00	1.33E+00	1.65E+00
6000	482670.83	3853721.49	3.72718	1.36E+00	1.52E+00	1.89E+00
6001	482669.42	3853621.63	4.64216	1.69E+00	1.90E+00	2.35E+00
6002	482645.99	3853446.13	7.21193	2.62E+00	2.95E+00	3.65E+00
6003	482623.97	3853370.49	7.56925	2.75E+00	3.09E+00	3.83E+00
6004	482601.94	3853294.84	8.13852	2.96E+00	3.32E+00	4.12E+00
6005	482531.29	3853133.44	9.11556	3.31E+00	3.72E+00	4.62E+00
6006	482482.68	3853047.69	10.09453	3.67E+00	4.12E+00	5.11E+00
6007	482383.09	3852897.4	11.59105	4.21E+00	4.74E+00	5.87E+00
6008	482265.64	3852765.26	12.2216	4.44E+00	4.99E+00	6.19E+00
6009	482199.16	3852697.66	12.22992	4.45E+00	5.00E+00	6.19E+00
6010	482132.69	3852630.07	12.31116	4.48E+00	5.03E+00	6.24E+00
6011	482066.21	3852562.48	12.25548	4.46E+00	5.01E+00	6.21E+00
6012	481999.74	3852494.89	12.07517	4.39E+00	4.93E+00	6.12E+00
6013	481933.26	3852427.29	11.72515	4.26E+00	4.79E+00	5.94E+00
6014	481866.79	3852359.7	11.77172	4.28E+00	4.81E+00	5.96E+00
6015	481800.31	3852292.11	11.68625	4.25E+00	4.77E+00	5.92E+00
6016	481733.84	3852224.52	11.50657	4.18E+00	4.70E+00	5.83E+00
6017	481667.36	3852156.92	11.68685	4.25E+00	4.77E+00	5.92E+00
6018	481600.89	3852089.33	11.34286	4.12E+00	4.63E+00	5.75E+00
6019	481534.41	3852021.74	11.08647	4.03E+00	4.53E+00	5.62E+00
6020	481467.94	3851954.15	11.09534	4.03E+00	4.53E+00	5.62E+00
6021	481401.46	3851886.55	11.2625	4.09E+00	4.60E+00	5.70E+00
6022	481265.87	3851761.43	11.47262	4.17E+00	4.69E+00	5.81E+00
6023	481196.74	3851703.89	12.11291	4.40E+00	4.95E+00	6.14E+00
6024	481076.33	3851619.05	12.96281	4.71E+00	5.30E+00	6.57E+00
6025	480939.8	3851549.07	13.10871	4.77E+00	5.36E+00	6.64E+00
6026	480854.56	3851506.41	13.28024	4.83E+00	5.43E+00	6.73E+00
6027	480769.32	3851463.75	13.45141	4.89E+00	5.50E+00	6.81E+00
6028	480684.08	3851421.08	13.66831	4.97E+00	5.58E+00	6.92E+00
6029	480598.84	3851378.42	13.48922	4.90E+00	5.51E+00	6.83E+00
6030	480435.71	3851275.01	15.08898	5.49E+00	6.16E+00	7.64E+00
6031	480347.85	3851232.36	14.9502	5.44E+00	6.11E+00	7.57E+00
6032	480260	3851189.72	14.88943	5.41E+00	6.08E+00	7.54E+00
6033	480172.15	3851147.07	14.7917	5.38E+00	6.04E+00	7.49E+00
6034	480084.29	3851104.42	14.85571	5.40E+00	6.07E+00	7.52E+00
6035	479996.44	3851061.77	14.97737	5.45E+00	6.12E+00	7.59E+00
6036	479908.58	3851019.13	15.87591	5.77E+00	6.49E+00	8.04E+00
6037	479820.73	3850976.48	15.80227	5.75E+00	6.46E+00	8.00E+00
6038	479732.88	3850933.83	15.73574	5.72E+00	6.43E+00	7.97E+00
6039	479645.02	3850891.18	15.74399	5.72E+00	6.43E+00	7.97E+00
6040	479557.17	3850848.54	15.55884	5.66E+00	6.36E+00	7.88E+00
6041	479469.32	3850805.89	15.94066	5.80E+00	6.51E+00	8.07E+00
6042	479381.46	3850763.24	15.58082	5.66E+00	6.36E+00	7.89E+00
6043	479293.61	3850720.59	15.01109	5.46E+00	6.13E+00	7.60E+00
6044	479205.76	3850677.95	14.5903	5.30E+00	5.96E+00	7.39E+00

6045	479117.9	3850635.3	13.90548	5.06E+00	5.68E+00	7.04E+00
6046	479030.05	3850592.65	13.48321	4.90E+00	5.51E+00	6.83E+00
6047	478942.19	3850550	13.81358	5.02E+00	5.64E+00	7.00E+00
6048	478854.34	3850507.36	15.72879	5.72E+00	6.43E+00	7.97E+00
6049	478766.49	3850464.71	15.92701	5.79E+00	6.51E+00	8.07E+00
6050	478678.63	3850422.06	15.89471	5.78E+00	6.49E+00	8.05E+00
6051	478590.78	3850379.41	15.96491	5.80E+00	6.52E+00	8.09E+00
6052	478502.93	3850336.77	15.87168	5.77E+00	6.48E+00	8.04E+00
6053	478415.07	3850294.12	15.67698	5.70E+00	6.40E+00	7.94E+00
6054	478327.22	3850251.47	15.80056	5.74E+00	6.45E+00	8.00E+00
6055	478239.36	3850208.82	15.87451	5.77E+00	6.48E+00	8.04E+00
6056	478151.51	3850166.18	15.90988	5.78E+00	6.50E+00	8.06E+00
6057	478063.66	3850123.53	15.95825	5.80E+00	6.52E+00	8.08E+00
6058	477975.8	3850080.88	14.8142	5.39E+00	6.05E+00	7.50E+00
6059	477887.95	3850038.23	14.66966	5.33E+00	5.99E+00	7.43E+00
6060	477800.1	3849995.59	14.09489	5.12E+00	5.76E+00	7.14E+00
6061	477712.24	3849952.94	13.93103	5.06E+00	5.69E+00	7.06E+00
6062	477624.39	3849910.29	14.09759	5.13E+00	5.76E+00	7.14E+00
6063	477536.54	3849867.64	13.9844	5.08E+00	5.71E+00	7.08E+00
6064	477448.68	3849825	14.06215	5.11E+00	5.74E+00	7.12E+00
6065	477360.83	3849782.35	13.97609	5.08E+00	5.71E+00	7.08E+00
6066	477272.97	3849739.7	13.79165	5.01E+00	5.63E+00	6.99E+00
6067	477185.12	3849697.05	13.53445	4.92E+00	5.53E+00	6.86E+00
6068	477097.27	3849654.41	13.56998	4.93E+00	5.54E+00	6.87E+00
6069	477009.41	3849611.76	14.38214	5.23E+00	5.88E+00	7.28E+00
6070	476841.49	3849530.08	14.49773	5.27E+00	5.92E+00	7.34E+00
6071	476761.41	3849491.05	14.19085	5.16E+00	5.80E+00	7.19E+00
6072	476681.34	3849452.02	14.2854	5.19E+00	5.84E+00	7.24E+00
6073	476601.26	3849412.99	14.67374	5.33E+00	5.99E+00	7.43E+00
6074	476456.32	3849353.67	16.57872	6.03E+00	6.77E+00	8.40E+00
6075	476305.43	3849318.84	15.29422	5.56E+00	6.25E+00	7.75E+00
6076	476129.36	3849289.99	15.03228	5.47E+00	6.14E+00	7.61E+00
6077	476039.31	3849275.68	15.18928	5.52E+00	6.20E+00	7.69E+00
6078	475949.26	3849261.38	16.61967	6.04E+00	6.79E+00	8.42E+00
6079	475859.21	3849247.08	17.38962	6.32E+00	7.10E+00	8.81E+00
6080	475769.16	3849232.77	17.98234	6.54E+00	7.35E+00	9.11E+00
6081	475585.23	3849219.27	12.27176	4.46E+00	5.01E+00	6.22E+00
6082	475444.5	3849150.35	22.75594	8.27E+00	9.30E+00	1.15E+01
6083	475334.18	3849118.71	20.25481	7.36E+00	8.27E+00	1.03E+01
6084	475230.47	3849060.57	20.18961	7.34E+00	8.25E+00	1.02E+01
6085	475110.86	3848960.97	19.92113	7.24E+00	8.14E+00	1.01E+01
6086	475037.79	3848896.28	20.00198	7.27E+00	8.17E+00	1.01E+01
6087	474964.72	3848831.59	19.28439	7.01E+00	7.88E+00	9.77E+00
6088	474891.65	3848766.9	18.69303	6.80E+00	7.64E+00	9.47E+00
6089	474818.58	3848702.22	18.5026	6.73E+00	7.56E+00	9.37E+00
6090	474745.51	3848637.53	16.53829	6.01E+00	6.76E+00	8.38E+00
6091	474672.44	3848572.84	16.2198	5.90E+00	6.63E+00	8.22E+00
6092	474599.37	3848508.15	16.77803	6.10E+00	6.85E+00	8.50E+00
6093	474526.3	3848443.46	16.65478	6.05E+00	6.80E+00	8.44E+00

			PM10		2028 RD	2033 RD	2048 RD
			Period	Rates (g/s)	2.95E-02	3.01E-02	3.00E-02
			Concentration [ug/m^3] at 1 g/s				
	X	Y	Leads (SLINE1A, 1B)		Leads	Leads	Leads
1	485973.61	3854936.51	0.04021		1.18E-03	1.21E-03	1.21E-03
2	486023.61	3854936.51	0.03995		1.18E-03	1.20E-03	1.20E-03
3	486073.61	3854936.51	0.03986		1.17E-03	1.20E-03	1.20E-03
4	486123.61	3854936.51	0.03931		1.16E-03	1.18E-03	1.18E-03
5	486173.61	3854936.51	0.03944		1.16E-03	1.19E-03	1.18E-03
6	486223.61	3854936.51	0.03916		1.15E-03	1.18E-03	1.18E-03
7	486273.61	3854936.51	0.03901		1.15E-03	1.17E-03	1.17E-03
8	486323.61	3854936.51	0.03889		1.15E-03	1.17E-03	1.17E-03
9	485973.61	3854986.51	0.03975		1.17E-03	1.20E-03	1.19E-03
10	486023.61	3854986.51	0.03959		1.17E-03	1.19E-03	1.19E-03
11	486073.61	3854986.51	0.03932		1.16E-03	1.18E-03	1.18E-03
12	486123.61	3854986.51	0.03906		1.15E-03	1.17E-03	1.17E-03
13	486173.61	3854986.51	0.03903		1.15E-03	1.17E-03	1.17E-03
14	486223.61	3854986.51	0.03873		1.14E-03	1.16E-03	1.16E-03
15	486273.61	3854986.51	0.03837		1.13E-03	1.15E-03	1.15E-03
16	486323.61	3854986.51	0.03856		1.14E-03	1.16E-03	1.16E-03
17	485973.61	3855036.51	0.03936		1.16E-03	1.18E-03	1.18E-03
18	486023.61	3855036.51	0.03915		1.15E-03	1.18E-03	1.18E-03
19	486073.61	3855036.51	0.03878		1.14E-03	1.17E-03	1.16E-03
20	486123.61	3855036.51	0.03856		1.14E-03	1.16E-03	1.16E-03
21	486173.61	3855036.51	0.03855		1.14E-03	1.16E-03	1.16E-03
22	486223.61	3855036.51	0.03818		1.13E-03	1.15E-03	1.15E-03
23	486273.61	3855036.51	0.03821		1.13E-03	1.15E-03	1.15E-03
24	486323.61	3855036.51	0.03798		1.12E-03	1.14E-03	1.14E-03
25	485973.61	3855086.51	0.03887		1.15E-03	1.17E-03	1.17E-03
26	486023.61	3855086.51	0.03876		1.14E-03	1.17E-03	1.16E-03
27	486073.61	3855086.51	0.0384		1.13E-03	1.15E-03	1.15E-03
28	486123.61	3855086.51	0.0383		1.13E-03	1.15E-03	1.15E-03
29	486173.61	3855086.51	0.03798		1.12E-03	1.14E-03	1.14E-03
30	486223.61	3855086.51	0.03786		1.12E-03	1.14E-03	1.14E-03
31	485973.61	3855136.51	0.03851		1.13E-03	1.16E-03	1.16E-03
32	486023.61	3855136.51	0.03831		1.13E-03	1.15E-03	1.15E-03
33	486073.61	3855136.51	0.03808		1.12E-03	1.14E-03	1.14E-03
34	486123.61	3855136.51	0.0379		1.12E-03	1.14E-03	1.14E-03
35	486173.61	3855136.51	0.03765		1.11E-03	1.13E-03	1.13E-03
36	486223.61	3855136.51	0.03746		1.10E-03	1.13E-03	1.13E-03
37	485973.61	3855186.51	0.03815		1.12E-03	1.15E-03	1.15E-03
38	486023.61	3855186.51	0.03797		1.12E-03	1.14E-03	1.14E-03
39	486073.61	3855186.51	0.03765		1.11E-03	1.13E-03	1.13E-03
40	486123.61	3855186.51	0.03735		1.10E-03	1.12E-03	1.12E-03
41	486173.61	3855186.51	0.03717		1.10E-03	1.12E-03	1.12E-03
42	486223.61	3855186.51	0.03698		1.09E-03	1.11E-03	1.11E-03
43	486273.61	3855186.51	0.03675		1.08E-03	1.11E-03	1.10E-03
44	486323.61	3855186.51	0.03701		1.09E-03	1.11E-03	1.11E-03
45	485973.61	3855236.51	0.03774		1.11E-03	1.13E-03	1.13E-03
46	486023.61	3855236.51	0.03745		1.10E-03	1.13E-03	1.12E-03
47	486073.61	3855236.51	0.03712		1.09E-03	1.12E-03	1.11E-03
48	486123.61	3855236.51	0.03691		1.09E-03	1.11E-03	1.11E-03
49	486173.61	3855236.51	0.03674		1.08E-03	1.10E-03	1.10E-03
50	486223.61	3855236.51	0.03652		1.08E-03	1.10E-03	1.10E-03
51	486273.61	3855236.51	0.03608		1.06E-03	1.08E-03	1.08E-03
52	486323.61	3855236.51	0.03656		1.08E-03	1.10E-03	1.10E-03
53	485973.61	3855286.51	0.03732		1.10E-03	1.12E-03	1.12E-03
54	486023.61	3855286.51	0.03699		1.09E-03	1.11E-03	1.11E-03
55	486073.61	3855286.51	0.03672		1.08E-03	1.10E-03	1.10E-03
56	486123.61	3855286.51	0.03643		1.07E-03	1.10E-03	1.09E-03
57	486173.61	3855286.51	0.03618		1.07E-03	1.09E-03	1.09E-03
58	486223.61	3855286.51	0.03605		1.06E-03	1.08E-03	1.08E-03
59	486123.61	3855336.51	0.03596		1.06E-03	1.08E-03	1.08E-03

60	486173.61	3855336.51	0.03579	1.05E-03	1.08E-03	1.07E-03
61	486223.61	3855336.51	0.03559	1.05E-03	1.07E-03	1.07E-03
62	486123.61	3855386.51	0.03555	1.05E-03	1.07E-03	1.07E-03
63	486173.61	3855386.51	0.03537	1.04E-03	1.06E-03	1.06E-03
64	486223.61	3855386.51	0.03521	1.04E-03	1.06E-03	1.06E-03
65	486533.18	3855443.15	0.03422	1.01E-03	1.03E-03	1.03E-03
66	486583.18	3855443.15	0.03407	1.00E-03	1.02E-03	1.02E-03
67	486633.18	3855443.15	0.03392	9.99E-04	1.02E-03	1.02E-03
68	486683.18	3855443.15	0.03387	9.98E-04	1.02E-03	1.02E-03
69	486533.18	3855493.15	0.0338	9.96E-04	1.02E-03	1.02E-03
70	486583.18	3855493.15	0.0337	9.93E-04	1.01E-03	1.01E-03
71	486633.18	3855493.15	0.03357	9.89E-04	1.01E-03	1.01E-03
72	486683.18	3855493.15	0.03344	9.85E-04	1.01E-03	1.00E-03
73	486533.18	3855543.15	0.03346	9.86E-04	1.01E-03	1.00E-03
74	486583.18	3855543.15	0.03325	9.80E-04	1.00E-03	9.99E-04
75	486633.18	3855543.15	0.03315	9.77E-04	9.97E-04	9.96E-04
76	486683.18	3855543.15	0.03291	9.70E-04	9.90E-04	9.88E-04
77	486533.18	3855593.15	0.03305	9.74E-04	9.94E-04	9.93E-04
78	486583.18	3855593.15	0.03289	9.69E-04	9.89E-04	9.88E-04
79	486633.18	3855593.15	0.03276	9.65E-04	9.85E-04	9.84E-04
80	486683.18	3855593.15	0.03267	9.63E-04	9.82E-04	9.81E-04
81	486533.18	3855643.15	0.03269	9.63E-04	9.83E-04	9.82E-04
82	486583.18	3855643.15	0.03256	9.59E-04	9.79E-04	9.78E-04
83	486633.18	3855643.15	0.03242	9.55E-04	9.75E-04	9.74E-04
84	486683.18	3855643.15	0.0323	9.52E-04	9.71E-04	9.70E-04
85	486533.18	3855693.15	0.03242	9.55E-04	9.75E-04	9.74E-04
86	486583.18	3855693.15	0.03218	9.48E-04	9.68E-04	9.66E-04
87	486633.18	3855693.15	0.03193	9.41E-04	9.60E-04	9.59E-04
88	486683.18	3855693.15	0.03194	9.41E-04	9.60E-04	9.59E-04
89	486733.18	3855693.15	0.03206	9.45E-04	9.64E-04	9.63E-04
90	486783.18	3855693.15	0.03223	9.50E-04	9.69E-04	9.68E-04
91	486533.18	3855743.15	0.0321	9.46E-04	9.65E-04	9.64E-04
92	486583.18	3855743.15	0.03177	9.36E-04	9.55E-04	9.54E-04
93	486633.18	3855743.15	0.03161	9.31E-04	9.50E-04	9.49E-04
94	486683.18	3855743.15	0.03169	9.34E-04	9.53E-04	9.52E-04
95	486733.18	3855743.15	0.03168	9.33E-04	9.53E-04	9.51E-04
96	486783.18	3855743.15	0.03191	9.40E-04	9.59E-04	9.58E-04
97	486533.18	3855793.15	0.03182	9.38E-04	9.57E-04	9.56E-04
98	486583.18	3855793.15	0.03135	9.24E-04	9.43E-04	9.42E-04
99	486633.18	3855793.15	0.0314	9.25E-04	9.44E-04	9.43E-04
100	486683.18	3855793.15	0.03148	9.28E-04	9.47E-04	9.45E-04
101	486733.18	3855793.15	0.03151	9.28E-04	9.47E-04	9.46E-04
102	486783.18	3855793.15	0.03157	9.30E-04	9.49E-04	9.48E-04
103	486533.18	3855843.15	0.03146	9.27E-04	9.46E-04	9.45E-04
104	486583.18	3855843.15	0.03112	9.17E-04	9.36E-04	9.35E-04
105	486633.18	3855843.15	0.03116	9.18E-04	9.37E-04	9.36E-04
106	486683.18	3855843.15	0.03122	9.20E-04	9.39E-04	9.38E-04
107	486733.18	3855843.15	0.03128	9.22E-04	9.41E-04	9.39E-04
108	486783.18	3855843.15	0.03132	9.23E-04	9.42E-04	9.41E-04
109	486533.18	3855893.15	0.031	9.13E-04	9.32E-04	9.31E-04
110	486583.18	3855893.15	0.03097	9.13E-04	9.31E-04	9.30E-04
111	486633.18	3855893.15	0.03094	9.12E-04	9.30E-04	9.29E-04
112	486683.18	3855893.15	0.03098	9.13E-04	9.32E-04	9.30E-04
113	486733.18	3855893.15	0.03103	9.14E-04	9.33E-04	9.32E-04
114	486783.18	3855893.15	0.03112	9.17E-04	9.36E-04	9.35E-04
115	486533.18	3855943.15	0.03079	9.07E-04	9.26E-04	9.25E-04
116	486583.18	3855943.15	0.03084	9.09E-04	9.27E-04	9.26E-04
117	486633.18	3855943.15	0.03076	9.06E-04	9.25E-04	9.24E-04
118	486683.18	3855943.15	0.03081	9.08E-04	9.26E-04	9.25E-04
119	486733.18	3855943.15	0.0308	9.08E-04	9.26E-04	9.25E-04
120	486783.18	3855943.15	0.03089	9.10E-04	9.29E-04	9.28E-04
121	486533.18	3855993.15	0.0307	9.05E-04	9.23E-04	9.22E-04
122	486583.18	3855993.15	0.03066	9.03E-04	9.22E-04	9.21E-04

123	486633.18	3855993.15	0.03061	9.02E-04	9.20E-04	9.19E-04
124	486683.18	3855993.15	0.03063	9.03E-04	9.21E-04	9.20E-04
125	486733.18	3855993.15	0.03062	9.02E-04	9.21E-04	9.20E-04
126	486783.18	3855993.15	0.03066	9.03E-04	9.22E-04	9.21E-04
127	486533.18	3856043.15	0.03062	9.02E-04	9.21E-04	9.20E-04
128	486583.18	3856043.15	0.03059	9.01E-04	9.20E-04	9.19E-04
129	486633.18	3856043.15	0.03049	8.98E-04	9.17E-04	9.16E-04
130	486683.18	3856043.15	0.0305	8.99E-04	9.17E-04	9.16E-04
131	486733.18	3856043.15	0.03045	8.97E-04	9.16E-04	9.14E-04
132	486783.18	3856043.15	0.03052	8.99E-04	9.18E-04	9.17E-04
133	486533.18	3856093.15	0.0306	9.02E-04	9.20E-04	9.19E-04
134	486583.18	3856093.15	0.03051	8.99E-04	9.17E-04	9.16E-04
135	486633.18	3856093.15	0.03042	8.96E-04	9.15E-04	9.14E-04
136	486683.18	3856093.15	0.03039	8.95E-04	9.14E-04	9.13E-04
137	486733.18	3856093.15	0.03034	8.94E-04	9.12E-04	9.11E-04
138	486783.18	3856093.15	0.03035	8.94E-04	9.13E-04	9.11E-04
139	486533.18	3856143.15	0.03056	9.00E-04	9.19E-04	9.18E-04
140	486583.18	3856143.15	0.03043	8.97E-04	9.15E-04	9.14E-04
141	486633.18	3856143.15	0.03037	8.95E-04	9.13E-04	9.12E-04
142	486683.18	3856143.15	0.0303	8.93E-04	9.11E-04	9.10E-04
143	486733.18	3856143.15	0.03025	8.91E-04	9.10E-04	9.08E-04
144	486783.18	3856143.15	0.0303	8.93E-04	9.11E-04	9.10E-04
145	486533.18	3856193.15	0.03057	9.01E-04	9.19E-04	9.18E-04
146	486583.18	3856193.15	0.0304	8.96E-04	9.14E-04	9.13E-04
147	486633.18	3856193.15	0.03034	8.94E-04	9.12E-04	9.11E-04
148	486683.18	3856193.15	0.03032	8.93E-04	9.12E-04	9.11E-04
149	486733.18	3856193.15	0.03022	8.90E-04	9.09E-04	9.08E-04
150	486783.18	3856193.15	0.03024	8.91E-04	9.09E-04	9.08E-04
151	486533.18	3856243.15	0.03054	9.00E-04	9.18E-04	9.17E-04
152	486583.18	3856243.15	0.03044	8.97E-04	9.15E-04	9.14E-04
153	486633.18	3856243.15	0.03035	8.94E-04	9.13E-04	9.11E-04
154	486683.18	3856243.15	0.03028	8.92E-04	9.10E-04	9.09E-04
155	486733.18	3856243.15	0.03025	8.91E-04	9.10E-04	9.08E-04
156	486783.18	3856243.15	0.03019	8.90E-04	9.08E-04	9.07E-04
157	486533.18	3856293.15	0.03052	8.99E-04	9.18E-04	9.17E-04
158	486583.18	3856293.15	0.03043	8.97E-04	9.15E-04	9.14E-04
159	486633.18	3856293.15	0.03036	8.95E-04	9.13E-04	9.12E-04
160	486683.18	3856293.15	0.03029	8.93E-04	9.11E-04	9.10E-04
161	486733.18	3856293.15	0.03028	8.92E-04	9.10E-04	9.09E-04
162	486783.18	3856293.15	0.0302	8.90E-04	9.08E-04	9.07E-04
163	486783.18	3856343.15	0.03028	8.92E-04	9.10E-04	9.09E-04
164	486833.18	3856343.15	0.03022	8.90E-04	9.09E-04	9.08E-04
165	486883.18	3856343.15	0.03018	8.89E-04	9.07E-04	9.06E-04
166	486783.18	3856393.15	0.03028	8.92E-04	9.10E-04	9.09E-04
167	486833.18	3856393.15	0.03024	8.91E-04	9.09E-04	9.08E-04
168	486883.18	3856393.15	0.03015	8.88E-04	9.07E-04	9.05E-04
169	487208.74	3856886.11	0.03092	9.11E-04	9.30E-04	9.29E-04
170	487258.74	3856886.11	0.03088	9.10E-04	9.29E-04	9.27E-04
171	487308.74	3856886.11	0.03083	9.08E-04	9.27E-04	9.26E-04
172	487358.74	3856886.11	0.03076	9.06E-04	9.25E-04	9.24E-04
173	487208.74	3856936.11	0.03107	9.16E-04	9.34E-04	9.33E-04
174	487258.74	3856936.11	0.03106	9.15E-04	9.34E-04	9.33E-04
175	487308.74	3856936.11	0.03104	9.15E-04	9.33E-04	9.32E-04
176	487358.74	3856936.11	0.03099	9.13E-04	9.32E-04	9.31E-04
177	487208.74	3856986.11	0.03117	9.18E-04	9.37E-04	9.36E-04
178	487258.74	3856986.11	0.03126	9.21E-04	9.40E-04	9.39E-04
179	487308.74	3856986.11	0.03125	9.21E-04	9.40E-04	9.39E-04
180	487358.74	3856986.11	0.03125	9.21E-04	9.40E-04	9.39E-04
181	487208.74	3857036.11	0.03126	9.21E-04	9.40E-04	9.39E-04
182	487258.74	3857036.11	0.03139	9.25E-04	9.44E-04	9.43E-04
183	487308.74	3857036.11	0.03149	9.28E-04	9.47E-04	9.46E-04
184	487358.74	3857036.11	0.03152	9.29E-04	9.48E-04	9.47E-04
185	487427.14	3856878.23	0.03072	9.05E-04	9.24E-04	9.23E-04

186	487477.14	3856878.23	0.03071	9.05E-04	9.23E-04	9.22E-04
187	487527.14	3856878.23	0.0307	9.05E-04	9.23E-04	9.22E-04
188	487427.14	3856928.23	0.03093	9.11E-04	9.30E-04	9.29E-04
189	487477.14	3856928.23	0.03088	9.10E-04	9.29E-04	9.27E-04
190	487527.14	3856928.23	0.03088	9.10E-04	9.29E-04	9.27E-04
191	487577.14	3856928.23	0.03089	9.10E-04	9.29E-04	9.28E-04
192	487627.14	3856928.23	0.03087	9.10E-04	9.28E-04	9.27E-04
193	487677.14	3856928.23	0.03095	9.12E-04	9.31E-04	9.30E-04
194	487727.14	3856928.23	0.03106	9.15E-04	9.34E-04	9.33E-04
195	487777.14	3856928.23	0.03114	9.18E-04	9.36E-04	9.35E-04
196	487427.14	3856978.23	0.03115	9.18E-04	9.37E-04	9.36E-04
197	487477.14	3856978.23	0.03114	9.18E-04	9.36E-04	9.35E-04
198	487527.14	3856978.23	0.03113	9.17E-04	9.36E-04	9.35E-04
199	487577.14	3856978.23	0.03112	9.17E-04	9.36E-04	9.35E-04
200	487627.14	3856978.23	0.03108	9.16E-04	9.35E-04	9.33E-04
201	487677.14	3856978.23	0.03114	9.18E-04	9.36E-04	9.35E-04
202	487727.14	3856978.23	0.03109	9.16E-04	9.35E-04	9.34E-04
203	487777.14	3856978.23	0.03134	9.23E-04	9.42E-04	9.41E-04
204	487427.14	3857028.23	0.03145	9.27E-04	9.46E-04	9.45E-04
205	487477.14	3857028.23	0.03143	9.26E-04	9.45E-04	9.44E-04
206	487527.14	3857028.23	0.03139	9.25E-04	9.44E-04	9.43E-04
207	487577.14	3857028.23	0.03138	9.25E-04	9.44E-04	9.42E-04
208	487627.14	3857028.23	0.03133	9.23E-04	9.42E-04	9.41E-04
209	487677.14	3857028.23	0.03135	9.24E-04	9.43E-04	9.42E-04
210	487727.14	3857028.23	0.03144	9.26E-04	9.45E-04	9.44E-04
211	487777.14	3857028.23	0.03152	9.29E-04	9.48E-04	9.47E-04
212	487427.14	3857078.23	0.03174	9.35E-04	9.54E-04	9.53E-04
213	487477.14	3857078.23	0.03171	9.34E-04	9.53E-04	9.52E-04
214	487527.14	3857078.23	0.0317	9.34E-04	9.53E-04	9.52E-04
215	487577.14	3857078.23	0.03167	9.33E-04	9.52E-04	9.51E-04
216	487627.14	3857078.23	0.03164	9.32E-04	9.51E-04	9.50E-04
217	487677.14	3857078.23	0.03164	9.32E-04	9.51E-04	9.50E-04
218	487727.14	3857078.23	0.03169	9.34E-04	9.53E-04	9.52E-04
219	487777.14	3857078.23	0.03172	9.35E-04	9.54E-04	9.53E-04
220	487427.14	3857128.23	0.03203	9.44E-04	9.63E-04	9.62E-04
221	487477.14	3857128.23	0.03202	9.44E-04	9.63E-04	9.62E-04
222	487527.14	3857128.23	0.03199	9.43E-04	9.62E-04	9.61E-04
223	487577.14	3857128.23	0.03198	9.42E-04	9.62E-04	9.60E-04
224	487627.14	3857128.23	0.03197	9.42E-04	9.61E-04	9.60E-04
225	487677.14	3857128.23	0.03193	9.41E-04	9.60E-04	9.59E-04
226	487727.14	3857128.23	0.032	9.43E-04	9.62E-04	9.61E-04
227	487777.14	3857128.23	0.032	9.43E-04	9.62E-04	9.61E-04
228	488049.44	3856539.39	0.03031	8.93E-04	9.11E-04	9.10E-04
229	488099.44	3856539.39	0.03021	8.90E-04	9.08E-04	9.07E-04
230	488149.44	3856539.39	0.03017	8.89E-04	9.07E-04	9.06E-04
231	488049.44	3856589.39	0.03037	8.95E-04	9.13E-04	9.12E-04
232	488099.44	3856589.39	0.03028	8.92E-04	9.10E-04	9.09E-04
233	488149.44	3856589.39	0.03021	8.90E-04	9.08E-04	9.07E-04
234	488199.44	3856589.39	0.03011	8.87E-04	9.05E-04	9.04E-04
235	488249.44	3856589.39	0.03015	8.88E-04	9.07E-04	9.05E-04
236	488049.44	3856639.39	0.03045	8.97E-04	9.16E-04	9.14E-04
237	488099.44	3856639.39	0.03035	8.94E-04	9.13E-04	9.11E-04
238	488149.44	3856639.39	0.03027	8.92E-04	9.10E-04	9.09E-04
239	488199.44	3856639.39	0.03023	8.91E-04	9.09E-04	9.08E-04
240	488249.44	3856639.39	0.03018	8.89E-04	9.07E-04	9.06E-04
241	488299.44	3856639.39	0.03013	8.88E-04	9.06E-04	9.05E-04
242	488349.44	3856639.39	0.03006	8.86E-04	9.04E-04	9.03E-04
243	488399.44	3856639.39	0.03007	8.86E-04	9.04E-04	9.03E-04
244	488099.44	3856689.39	0.03049	8.98E-04	9.17E-04	9.16E-04
245	488149.44	3856689.39	0.03038	8.95E-04	9.13E-04	9.12E-04
246	488199.44	3856689.39	0.03033	8.94E-04	9.12E-04	9.11E-04
247	488249.44	3856689.39	0.03024	8.91E-04	9.09E-04	9.08E-04
248	488299.44	3856689.39	0.03023	8.91E-04	9.09E-04	9.08E-04

249	488349.44	3856689.39	0.03015	8.88E-04	9.07E-04	9.05E-04
250	488399.44	3856689.39	0.03002	8.85E-04	9.03E-04	9.02E-04
251	488099.44	3856739.39	0.03068	9.04E-04	9.22E-04	9.21E-04
252	488149.44	3856739.39	0.03054	9.00E-04	9.18E-04	9.17E-04
253	488199.44	3856739.39	0.03051	8.99E-04	9.17E-04	9.16E-04
254	488249.44	3856739.39	0.03041	8.96E-04	9.14E-04	9.13E-04
255	488299.44	3856739.39	0.03025	8.91E-04	9.10E-04	9.08E-04
256	488349.44	3856739.39	0.03028	8.92E-04	9.10E-04	9.09E-04
257	488399.44	3856739.39	0.03031	8.93E-04	9.11E-04	9.10E-04
258	487999.44	3856789.39	0.03094	9.12E-04	9.30E-04	9.29E-04
259	488049.44	3856789.39	0.03087	9.10E-04	9.28E-04	9.27E-04
260	488099.44	3856789.39	0.03084	9.09E-04	9.27E-04	9.26E-04
261	488149.44	3856789.39	0.03073	9.06E-04	9.24E-04	9.23E-04
262	488199.44	3856789.39	0.03067	9.04E-04	9.22E-04	9.21E-04
263	488249.44	3856789.39	0.03058	9.01E-04	9.19E-04	9.18E-04
264	488299.44	3856789.39	0.03045	8.97E-04	9.16E-04	9.14E-04
265	488349.44	3856789.39	0.03048	8.98E-04	9.16E-04	9.15E-04
266	488399.44	3856789.39	0.03046	8.98E-04	9.16E-04	9.15E-04
267	487949.44	3856839.39	0.03114	9.18E-04	9.36E-04	9.35E-04
268	487999.44	3856839.39	0.03112	9.17E-04	9.36E-04	9.35E-04
269	488049.44	3856839.39	0.03105	9.15E-04	9.34E-04	9.33E-04
270	488099.44	3856839.39	0.031	9.13E-04	9.32E-04	9.31E-04
271	488149.44	3856839.39	0.03095	9.12E-04	9.31E-04	9.30E-04
272	488199.44	3856839.39	0.03089	9.10E-04	9.29E-04	9.28E-04
273	487949.44	3856889.39	0.03127	9.21E-04	9.40E-04	9.39E-04
274	487999.44	3856889.39	0.03133	9.23E-04	9.42E-04	9.41E-04
275	488049.44	3856889.39	0.03123	9.20E-04	9.39E-04	9.38E-04
276	488099.44	3856889.39	0.03123	9.20E-04	9.39E-04	9.38E-04
277	488635.86	3857895.05	0.0459	1.35E-03	1.38E-03	1.38E-03
278	489137.64	3857804.15	0.04254	1.25E-03	1.28E-03	1.28E-03
279	488617.32	3857859.41	0.04471	1.32E-03	1.34E-03	1.34E-03
280	488667.32	3857859.41	0.04479	1.32E-03	1.35E-03	1.35E-03
281	488717.32	3857859.41	0.04499	1.33E-03	1.35E-03	1.35E-03
282	488767.32	3857859.41	0.04535	1.34E-03	1.36E-03	1.36E-03
283	488617.32	3857909.41	0.04635	1.37E-03	1.39E-03	1.39E-03
284	488667.32	3857909.41	0.04685	1.38E-03	1.41E-03	1.41E-03
285	488717.32	3857909.41	0.04662	1.37E-03	1.40E-03	1.40E-03
286	488767.32	3857909.41	0.04707	1.39E-03	1.42E-03	1.41E-03
287	488417.32	3857959.41	0.04771	1.41E-03	1.43E-03	1.43E-03
288	488467.32	3857959.41	0.04788	1.41E-03	1.44E-03	1.44E-03
289	488517.32	3857959.41	0.04807	1.42E-03	1.45E-03	1.44E-03
290	488567.32	3857959.41	0.0482	1.42E-03	1.45E-03	1.45E-03
291	488617.32	3857959.41	0.04829	1.42E-03	1.45E-03	1.45E-03
292	488667.32	3857959.41	0.04844	1.43E-03	1.46E-03	1.45E-03
293	488717.32	3857959.41	0.04867	1.43E-03	1.46E-03	1.46E-03
294	488767.32	3857959.41	0.04886	1.44E-03	1.47E-03	1.47E-03
295	488417.32	3858009.41	0.04964	1.46E-03	1.49E-03	1.49E-03
296	488467.32	3858009.41	0.04993	1.47E-03	1.50E-03	1.50E-03
297	488517.32	3858009.41	0.05003	1.47E-03	1.50E-03	1.50E-03
298	488567.32	3858009.41	0.05017	1.48E-03	1.51E-03	1.51E-03
299	488617.32	3858009.41	0.05022	1.48E-03	1.51E-03	1.51E-03
300	488667.32	3858009.41	0.05033	1.48E-03	1.51E-03	1.51E-03
301	488717.32	3858009.41	0.05053	1.49E-03	1.52E-03	1.52E-03
302	488767.32	3858009.41	0.05074	1.50E-03	1.53E-03	1.52E-03
303	488417.32	3858059.41	0.05179	1.53E-03	1.56E-03	1.56E-03
304	488467.32	3858059.41	0.05206	1.53E-03	1.57E-03	1.56E-03
305	488517.32	3858059.41	0.05225	1.54E-03	1.57E-03	1.57E-03
306	488567.32	3858059.41	0.05234	1.54E-03	1.57E-03	1.57E-03
307	488617.32	3858059.41	0.05245	1.55E-03	1.58E-03	1.58E-03
308	488667.32	3858059.41	0.05256	1.55E-03	1.58E-03	1.58E-03
309	488417.32	3858109.41	0.05389	1.59E-03	1.62E-03	1.62E-03
310	488467.32	3858109.41	0.05432	1.60E-03	1.63E-03	1.63E-03
311	488517.32	3858109.41	0.05463	1.61E-03	1.64E-03	1.64E-03

312	488567.32	3858109.41	0.05474	1.61E-03	1.65E-03	1.64E-03
313	488617.32	3858109.41	0.05488	1.62E-03	1.65E-03	1.65E-03
314	488667.32	3858109.41	0.05496	1.62E-03	1.65E-03	1.65E-03
315	488769.93	3858449.27	0.08475	2.50E-03	2.55E-03	2.55E-03
316	488819.93	3858449.27	0.08528	2.51E-03	2.56E-03	2.56E-03
317	488819.93	3858499.27	0.09342	2.75E-03	2.81E-03	2.81E-03
318	488869.93	3858499.27	0.09375	2.76E-03	2.82E-03	2.82E-03
319	488869.93	3858549.27	0.10399	3.06E-03	3.13E-03	3.12E-03
320	489438.17	3859571.48	0.36786	1.08E-02	1.11E-02	1.10E-02
321	489488.17	3859571.48	0.40069	1.18E-02	1.20E-02	1.20E-02
322	489538.17	3859571.48	0.43861	1.29E-02	1.32E-02	1.32E-02
323	489588.17	3859571.48	0.48033	1.42E-02	1.44E-02	1.44E-02
324	489438.17	3859621.48	0.32344	9.53E-03	9.73E-03	9.71E-03
325	489488.17	3859621.48	0.34848	1.03E-02	1.05E-02	1.05E-02
326	489538.17	3859621.48	0.37754	1.11E-02	1.14E-02	1.13E-02
327	489588.17	3859621.48	0.41267	1.22E-02	1.24E-02	1.24E-02
328	489238.17	3859671.48	0.22515	6.63E-03	6.77E-03	6.76E-03
329	489288.17	3859671.48	0.23824	7.02E-03	7.16E-03	7.15E-03
330	489338.17	3859671.48	0.25345	7.47E-03	7.62E-03	7.61E-03
331	489388.17	3859671.48	0.27134	8.00E-03	8.16E-03	8.15E-03
332	489438.17	3859671.48	0.28908	8.52E-03	8.69E-03	8.68E-03
333	489488.17	3859671.48	0.31112	9.17E-03	9.35E-03	9.34E-03
334	489538.17	3859671.48	0.33473	9.86E-03	1.01E-02	1.01E-02
335	489588.17	3859671.48	0.36181	1.07E-02	1.09E-02	1.09E-02
336	489238.17	3859721.48	0.20801	6.13E-03	6.25E-03	6.25E-03
337	489288.17	3859721.48	0.22051	6.50E-03	6.63E-03	6.62E-03
338	489338.17	3859721.48	0.23325	6.87E-03	7.01E-03	7.01E-03
339	489388.17	3859721.48	0.24712	7.28E-03	7.43E-03	7.42E-03
340	489438.17	3859721.48	0.26201	7.72E-03	7.88E-03	7.87E-03
341	489488.17	3859721.48	0.28045	8.26E-03	8.43E-03	8.42E-03
342	489538.17	3859721.48	0.29999	8.84E-03	9.02E-03	9.01E-03
343	489588.17	3859721.48	0.32156	9.48E-03	9.67E-03	9.66E-03
344	489238.17	3859771.48	0.19354	5.70E-03	5.82E-03	5.81E-03
345	489288.17	3859771.48	0.20435	6.02E-03	6.14E-03	6.14E-03
346	489338.17	3859771.48	0.21479	6.33E-03	6.46E-03	6.45E-03
347	489388.17	3859771.48	0.22683	6.68E-03	6.82E-03	6.81E-03
348	489438.17	3859771.48	0.23923	7.05E-03	7.19E-03	7.18E-03
349	489488.17	3859771.48	0.25525	7.52E-03	7.67E-03	7.67E-03
350	489538.17	3859771.48	0.27181	8.01E-03	8.17E-03	8.16E-03
351	489588.17	3859771.48	0.28886	8.51E-03	8.69E-03	8.68E-03
352	489238.17	3859821.48	0.18059	5.32E-03	5.43E-03	5.42E-03
353	489288.17	3859821.48	0.19016	5.60E-03	5.72E-03	5.71E-03
354	489338.17	3859821.48	0.19941	5.88E-03	6.00E-03	5.99E-03
355	489388.17	3859821.48	0.20967	6.18E-03	6.30E-03	6.30E-03
356	489438.17	3859821.48	0.22167	6.53E-03	6.67E-03	6.66E-03
357	489488.17	3859821.48	0.2344	6.91E-03	7.05E-03	7.04E-03
358	489538.17	3859821.48	0.24797	7.31E-03	7.46E-03	7.45E-03
359	489588.17	3859821.48	0.26204	7.72E-03	7.88E-03	7.87E-03
360	489238.17	3859871.48	0.16952	5.00E-03	5.10E-03	5.09E-03
361	489288.17	3859871.48	0.17744	5.23E-03	5.34E-03	5.33E-03
362	489338.17	3859871.48	0.18589	5.48E-03	5.59E-03	5.58E-03
363	489388.17	3859871.48	0.19544	5.76E-03	5.88E-03	5.87E-03
364	489438.17	3859871.48	0.20608	6.07E-03	6.20E-03	6.19E-03
365	489488.17	3859871.48	0.21679	6.39E-03	6.52E-03	6.51E-03
366	489538.17	3859871.48	0.22758	6.71E-03	6.84E-03	6.83E-03
367	489588.17	3859871.48	0.2392	7.05E-03	7.19E-03	7.18E-03
368	489238.17	3859921.48	0.16001	4.71E-03	4.81E-03	4.81E-03
369	489288.17	3859921.48	0.16753	4.94E-03	5.04E-03	5.03E-03
370	489338.17	3859921.48	0.17499	5.16E-03	5.26E-03	5.26E-03
371	489388.17	3859921.48	0.18334	5.40E-03	5.51E-03	5.51E-03
372	489438.17	3859921.48	0.19196	5.66E-03	5.77E-03	5.77E-03
373	489488.17	3859921.48	0.20043	5.91E-03	6.03E-03	6.02E-03
374	489538.17	3859921.48	0.20937	6.17E-03	6.30E-03	6.29E-03

375	489588.17	3859921.48	0.2181	6.43E-03	6.56E-03	6.55E-03
376	489238.17	3859971.48	0.15151	4.46E-03	4.56E-03	4.55E-03
377	489288.17	3859971.48	0.15783	4.65E-03	4.75E-03	4.74E-03
378	489338.17	3859971.48	0.16472	4.85E-03	4.95E-03	4.95E-03
379	489388.17	3859971.48	0.17194	5.07E-03	5.17E-03	5.16E-03
380	489438.17	3859971.48	0.17815	5.25E-03	5.36E-03	5.35E-03
381	489488.17	3859971.48	0.18031	5.31E-03	5.42E-03	5.42E-03
382	489538.17	3859971.48	0.18311	5.40E-03	5.51E-03	5.50E-03
383	489588.17	3859971.48	0.18574	5.47E-03	5.58E-03	5.58E-03
384	483577.7	3854071	0.09225	2.72E-03	2.77E-03	2.77E-03
385	483627.7	3854071	0.09183	2.71E-03	2.76E-03	2.76E-03
386	483677.7	3854071	0.0912	2.69E-03	2.74E-03	2.74E-03
387	483727.7	3854071	0.0905	2.67E-03	2.72E-03	2.72E-03
388	483777.7	3854071	0.08912	2.63E-03	2.68E-03	2.68E-03
389	483577.7	3854121	0.08729	2.57E-03	2.62E-03	2.62E-03
390	483627.7	3854121	0.0866	2.55E-03	2.60E-03	2.60E-03
391	483677.7	3854121	0.08558	2.52E-03	2.57E-03	2.57E-03
392	483727.7	3854121	0.0844	2.49E-03	2.54E-03	2.53E-03
393	483777.7	3854121	0.08362	2.46E-03	2.51E-03	2.51E-03
394	483577.7	3854171	0.08202	2.42E-03	2.47E-03	2.46E-03
395	483627.7	3854171	0.08089	2.38E-03	2.43E-03	2.43E-03
396	483677.7	3854171	0.08004	2.36E-03	2.41E-03	2.40E-03
397	483727.7	3854171	0.07939	2.34E-03	2.39E-03	2.38E-03
398	483777.7	3854171	0.07857	2.32E-03	2.36E-03	2.36E-03
399	483827.7	3854171	0.07702	2.27E-03	2.32E-03	2.31E-03
400	483877.7	3854171	0.07616	2.24E-03	2.29E-03	2.29E-03
401	483727.7	3854221	0.07498	2.21E-03	2.25E-03	2.25E-03
402	483777.7	3854221	0.0741	2.18E-03	2.23E-03	2.23E-03
403	483827.7	3854221	0.07409	2.18E-03	2.23E-03	2.23E-03
404	483877.7	3854221	0.07294	2.15E-03	2.19E-03	2.19E-03
405	489150.19	3858726.45	0.19275	5.68E-03	5.80E-03	5.79E-03
406	489200.19	3858726.45	0.19809	5.84E-03	5.96E-03	5.95E-03
407	489150.19	3858776.45	0.27044	7.97E-03	8.13E-03	8.12E-03
408	489200.19	3858776.45	0.27536	8.11E-03	8.28E-03	8.27E-03
409	488919.6	3856400.76	0.03103	9.14E-04	9.33E-04	9.32E-04
410	488919.6	3856450.76	0.03084	9.09E-04	9.27E-04	9.26E-04
411	488969.6	3856450.76	0.03085	9.09E-04	9.28E-04	9.27E-04
412	488919.6	3856500.76	0.03067	9.04E-04	9.22E-04	9.21E-04
413	488969.6	3856500.76	0.03071	9.05E-04	9.23E-04	9.22E-04
414	488919.6	3856550.76	0.03056	9.00E-04	9.19E-04	9.18E-04
415	488969.6	3856550.76	0.03057	9.01E-04	9.19E-04	9.18E-04
416	488819.6	3856600.76	0.03036	8.95E-04	9.13E-04	9.12E-04
417	488869.6	3856600.76	0.03039	8.95E-04	9.14E-04	9.13E-04
418	488919.6	3856600.76	0.03043	8.97E-04	9.15E-04	9.14E-04
419	488819.6	3856650.76	0.03027	8.92E-04	9.10E-04	9.09E-04
420	488869.6	3856650.76	0.0303	8.93E-04	9.11E-04	9.10E-04
421	488819.6	3856700.76	0.03024	8.91E-04	9.09E-04	9.08E-04
422	488869.6	3856700.76	0.03026	8.92E-04	9.10E-04	9.09E-04
423	488819.6	3856750.76	0.03022	8.90E-04	9.09E-04	9.08E-04
424	488869.6	3856750.76	0.03026	8.92E-04	9.10E-04	9.09E-04
425	488819.6	3857050.76	0.03124	9.21E-04	9.39E-04	9.38E-04
426	488869.6	3857050.76	0.03119	9.19E-04	9.38E-04	9.37E-04
427	488919.6	3857050.76	0.03113	9.17E-04	9.36E-04	9.35E-04
428	488819.6	3857100.76	0.03162	9.32E-04	9.51E-04	9.50E-04
429	488869.6	3857100.76	0.03152	9.29E-04	9.48E-04	9.47E-04
430	488919.6	3857100.76	0.03147	9.27E-04	9.46E-04	9.45E-04
431	488819.6	3857150.76	0.03206	9.45E-04	9.64E-04	9.63E-04
432	488869.6	3857150.76	0.03196	9.42E-04	9.61E-04	9.60E-04
433	488919.6	3857150.76	0.03185	9.39E-04	9.58E-04	9.57E-04
434	488969.6	3857150.76	0.03176	9.36E-04	9.55E-04	9.54E-04
435	488819.6	3857200.76	0.03258	9.60E-04	9.80E-04	9.78E-04
436	488869.6	3857200.76	0.03247	9.57E-04	9.76E-04	9.75E-04
437	488919.6	3857200.76	0.03234	9.53E-04	9.72E-04	9.71E-04

438	488969.6	3857200.76	0.03219	9.49E-04	9.68E-04	9.67E-04
439	488819.6	3857250.76	0.03313	9.76E-04	9.96E-04	9.95E-04
440	488869.6	3857250.76	0.033	9.72E-04	9.92E-04	9.91E-04
441	488919.6	3857250.76	0.03286	9.68E-04	9.88E-04	9.87E-04
442	488969.6	3857250.76	0.03271	9.64E-04	9.84E-04	9.82E-04
443	488819.6	3857300.76	0.03378	9.95E-04	1.02E-03	1.01E-03
444	488869.6	3857300.76	0.03363	9.91E-04	1.01E-03	1.01E-03
445	488919.6	3857300.76	0.03349	9.87E-04	1.01E-03	1.01E-03
446	488819.6	3857450.76	0.03602	1.06E-03	1.08E-03	1.08E-03
447	488869.6	3857450.76	0.03587	1.06E-03	1.08E-03	1.08E-03
448	488919.6	3857450.76	0.03576	1.05E-03	1.08E-03	1.07E-03
449	488819.6	3857500.76	0.03684	1.09E-03	1.11E-03	1.11E-03
450	488869.6	3857500.76	0.03676	1.08E-03	1.11E-03	1.10E-03
451	488919.6	3857500.76	0.03665	1.08E-03	1.10E-03	1.10E-03
452	488819.6	3857550.76	0.03775	1.11E-03	1.14E-03	1.13E-03
453	488869.6	3857550.76	0.03768	1.11E-03	1.13E-03	1.13E-03
454	488919.6	3857550.76	0.0376	1.11E-03	1.13E-03	1.13E-03
455	489663.71	3860900.05	0.0748	2.20E-03	2.25E-03	2.25E-03
456	489813.71	3860900.05	0.07876	2.32E-03	2.37E-03	2.37E-03
457	489863.71	3860900.05	0.07991	2.35E-03	2.40E-03	2.40E-03
458	489913.71	3860900.05	0.08161	2.40E-03	2.45E-03	2.45E-03
459	489963.71	3860900.05	0.08286	2.44E-03	2.49E-03	2.49E-03
460	490013.71	3860900.05	0.08473	2.50E-03	2.55E-03	2.54E-03
461	490063.71	3860900.05	0.08639	2.55E-03	2.60E-03	2.59E-03
462	489663.71	3860950.05	0.07204	2.12E-03	2.17E-03	2.16E-03
463	489813.71	3860950.05	0.07565	2.23E-03	2.27E-03	2.27E-03
464	489863.71	3860950.05	0.07663	2.26E-03	2.30E-03	2.30E-03
465	489913.71	3860950.05	0.07807	2.30E-03	2.35E-03	2.34E-03
466	489963.71	3860950.05	0.0793	2.34E-03	2.38E-03	2.38E-03
467	490013.71	3860950.05	0.08077	2.38E-03	2.43E-03	2.43E-03
468	490063.71	3860950.05	0.08234	2.43E-03	2.48E-03	2.47E-03
469	489513.71	3861000.05	0.06651	1.96E-03	2.00E-03	2.00E-03
470	489563.71	3861000.05	0.06742	1.99E-03	2.03E-03	2.02E-03
471	489613.71	3861000.05	0.06851	2.02E-03	2.06E-03	2.06E-03
472	489663.71	3861000.05	0.06953	2.05E-03	2.09E-03	2.09E-03
473	489713.71	3861000.05	0.07045	2.08E-03	2.12E-03	2.12E-03
474	489763.71	3861000.05	0.07149	2.11E-03	2.15E-03	2.15E-03
475	489813.71	3861000.05	0.07283	2.15E-03	2.19E-03	2.19E-03
476	489863.71	3861000.05	0.07369	2.17E-03	2.22E-03	2.21E-03
477	489913.71	3861000.05	0.07498	2.21E-03	2.25E-03	2.25E-03
478	489963.71	3861000.05	0.07597	2.24E-03	2.28E-03	2.28E-03
479	490013.71	3861000.05	0.07728	2.28E-03	2.32E-03	2.32E-03
480	490063.71	3861000.05	0.07859	2.32E-03	2.36E-03	2.36E-03
481	489513.71	3861050.05	0.06445	1.90E-03	1.94E-03	1.94E-03
482	489563.71	3861050.05	0.06527	1.92E-03	1.96E-03	1.96E-03
483	489613.71	3861050.05	0.0664	1.96E-03	2.00E-03	1.99E-03
484	489663.71	3861050.05	0.06713	1.98E-03	2.02E-03	2.02E-03
485	489713.71	3861050.05	0.06794	2.00E-03	2.04E-03	2.04E-03
486	489763.71	3861050.05	0.06892	2.03E-03	2.07E-03	2.07E-03
487	489813.71	3861050.05	0.06999	2.06E-03	2.10E-03	2.10E-03
488	489863.71	3861050.05	0.07091	2.09E-03	2.13E-03	2.13E-03
489	489913.71	3861050.05	0.07192	2.12E-03	2.16E-03	2.16E-03
490	489963.71	3861050.05	0.07292	2.15E-03	2.19E-03	2.19E-03
491	490013.71	3861050.05	0.0742	2.19E-03	2.23E-03	2.23E-03
492	490063.71	3861050.05	0.07529	2.22E-03	2.26E-03	2.26E-03
493	489513.71	3861100.05	0.06266	1.85E-03	1.88E-03	1.88E-03
494	489563.71	3861100.05	0.06318	1.86E-03	1.90E-03	1.90E-03
495	489613.71	3861100.05	0.06367	1.88E-03	1.91E-03	1.91E-03
496	489663.71	3861100.05	0.06455	1.90E-03	1.94E-03	1.94E-03
497	489713.71	3861100.05	0.06543	1.93E-03	1.97E-03	1.97E-03
498	489763.71	3861100.05	0.06631	1.95E-03	1.99E-03	1.99E-03
499	489813.71	3861100.05	0.06729	1.98E-03	2.02E-03	2.02E-03
500	489863.71	3861100.05	0.06839	2.02E-03	2.06E-03	2.05E-03

501	489913.71	3861100.05	0.06912	2.04E-03	2.08E-03	2.08E-03
502	489963.71	3861100.05	0.07005	2.06E-03	2.11E-03	2.10E-03
503	490013.71	3861100.05	0.07088	2.09E-03	2.13E-03	2.13E-03
504	490063.71	3861100.05	0.0719	2.12E-03	2.16E-03	2.16E-03
505	489713.71	3861150.05	0.06309	1.86E-03	1.90E-03	1.89E-03
506	489763.71	3861150.05	0.06394	1.88E-03	1.92E-03	1.92E-03
507	489813.71	3861150.05	0.06483	1.91E-03	1.95E-03	1.95E-03
508	489863.71	3861150.05	0.06564	1.93E-03	1.97E-03	1.97E-03
509	489913.71	3861150.05	0.06641	1.96E-03	2.00E-03	1.99E-03
510	489963.71	3861150.05	0.06713	1.98E-03	2.02E-03	2.02E-03
511	490013.71	3861150.05	0.06789	2.00E-03	2.04E-03	2.04E-03
512	490063.71	3861150.05	0.06886	2.03E-03	2.07E-03	2.07E-03
513	489613.71	3861200.05	0.05932	1.75E-03	1.78E-03	1.78E-03
514	489663.71	3861200.05	0.06009	1.77E-03	1.81E-03	1.80E-03
515	489713.71	3861200.05	0.06088	1.79E-03	1.83E-03	1.83E-03
516	489763.71	3861200.05	0.06165	1.82E-03	1.85E-03	1.85E-03
517	489813.71	3861200.05	0.06245	1.84E-03	1.88E-03	1.88E-03
518	489863.71	3861200.05	0.0633	1.87E-03	1.90E-03	1.90E-03
519	489913.71	3861200.05	0.06396	1.88E-03	1.92E-03	1.92E-03
520	489963.71	3861200.05	0.06456	1.90E-03	1.94E-03	1.94E-03
521	490013.71	3861200.05	0.06531	1.92E-03	1.96E-03	1.96E-03
522	490063.71	3861200.05	0.06599	1.94E-03	1.98E-03	1.98E-03
523	489513.71	3861250.05	0.0559	1.65E-03	1.68E-03	1.68E-03
524	489563.71	3861250.05	0.05669	1.67E-03	1.70E-03	1.70E-03
525	489613.71	3861250.05	0.05743	1.69E-03	1.73E-03	1.72E-03
526	489663.71	3861250.05	0.05808	1.71E-03	1.75E-03	1.74E-03
527	489713.71	3861250.05	0.05878	1.73E-03	1.77E-03	1.77E-03
528	489763.71	3861250.05	0.05949	1.75E-03	1.79E-03	1.79E-03
529	489813.71	3861250.05	0.06019	1.77E-03	1.81E-03	1.81E-03
530	489863.71	3861250.05	0.06087	1.79E-03	1.83E-03	1.83E-03
531	489913.71	3861250.05	0.0616	1.82E-03	1.85E-03	1.85E-03
532	489963.71	3861250.05	0.06224	1.83E-03	1.87E-03	1.87E-03
533	490013.71	3861250.05	0.06285	1.85E-03	1.89E-03	1.89E-03
534	490063.71	3861250.05	0.06334	1.87E-03	1.90E-03	1.90E-03
535	489528.13	3861308.47	0.05399	1.59E-03	1.62E-03	1.62E-03
536	489578.13	3861308.47	0.05466	1.61E-03	1.64E-03	1.64E-03
537	489628.13	3861308.47	0.05531	1.63E-03	1.66E-03	1.66E-03
538	489678.13	3861308.47	0.05598	1.65E-03	1.68E-03	1.68E-03
539	489728.13	3861308.47	0.05663	1.67E-03	1.70E-03	1.70E-03
540	489778.13	3861308.47	0.05721	1.69E-03	1.72E-03	1.72E-03
541	489678.13	3861358.47	0.05407	1.59E-03	1.63E-03	1.62E-03
542	489728.13	3861358.47	0.05465	1.61E-03	1.64E-03	1.64E-03
543	489528.13	3861408.47	0.05056	1.49E-03	1.52E-03	1.52E-03
544	489578.13	3861408.47	0.05112	1.51E-03	1.54E-03	1.54E-03
545	489628.13	3861408.47	0.05182	1.53E-03	1.56E-03	1.56E-03
546	489678.13	3861408.47	0.0523	1.54E-03	1.57E-03	1.57E-03
547	489728.13	3861408.47	0.05276	1.55E-03	1.59E-03	1.58E-03
548	489528.13	3861458.47	0.04903	1.44E-03	1.47E-03	1.47E-03
549	489578.13	3861458.47	0.04956	1.46E-03	1.49E-03	1.49E-03
550	489628.13	3861458.47	0.05007	1.48E-03	1.51E-03	1.50E-03
551	489678.13	3861458.47	0.05052	1.49E-03	1.52E-03	1.52E-03
552	489728.13	3861458.47	0.05087	1.50E-03	1.53E-03	1.53E-03
553	489528.13	3861508.47	0.04752	1.40E-03	1.43E-03	1.43E-03
554	489578.13	3861508.47	0.04796	1.41E-03	1.44E-03	1.44E-03
555	489628.13	3861508.47	0.04838	1.43E-03	1.45E-03	1.45E-03
556	489678.13	3861508.47	0.04877	1.44E-03	1.47E-03	1.46E-03
557	489728.13	3861508.47	0.04913	1.45E-03	1.48E-03	1.48E-03
558	489628.13	3861558.47	0.0469	1.38E-03	1.41E-03	1.41E-03
559	489678.13	3861558.47	0.04736	1.40E-03	1.42E-03	1.42E-03
560	489728.13	3861558.47	0.0477	1.41E-03	1.43E-03	1.43E-03
561	489357.08	3861015.81	0.06296	1.86E-03	1.89E-03	1.89E-03
562	489407.08	3861015.81	0.06371	1.88E-03	1.92E-03	1.91E-03
563	489457.08	3861015.81	0.0646	1.90E-03	1.94E-03	1.94E-03

564	489357.08	3861065.81	0.06105	1.80E-03	1.84E-03	1.83E-03
565	489407.08	3861065.81	0.06173	1.82E-03	1.86E-03	1.85E-03
566	489457.08	3861065.81	0.06257	1.84E-03	1.88E-03	1.88E-03
567	489357.08	3861115.81	0.05916	1.74E-03	1.78E-03	1.78E-03
568	489407.08	3861115.81	0.05997	1.77E-03	1.80E-03	1.80E-03
569	489457.08	3861115.81	0.06079	1.79E-03	1.83E-03	1.83E-03
570	489407.08	3861165.81	0.05825	1.72E-03	1.75E-03	1.75E-03
571	489457.08	3861165.81	0.05888	1.73E-03	1.77E-03	1.77E-03
572	489407.08	3861215.81	0.05603	1.65E-03	1.68E-03	1.68E-03
573	489457.08	3861215.81	0.05668	1.67E-03	1.70E-03	1.70E-03
574	489407.08	3861265.81	0.05389	1.59E-03	1.62E-03	1.62E-03
575	489457.08	3861265.81	0.0546	1.61E-03	1.64E-03	1.64E-03
576	489309.86	3861110.14	0.05855	1.73E-03	1.76E-03	1.76E-03
577	489407.08	3861315.81	0.05222	1.54E-03	1.57E-03	1.57E-03
578	489457.08	3861315.81	0.05288	1.56E-03	1.59E-03	1.59E-03
579	488906.03	3861006.75	0.05645	1.66E-03	1.70E-03	1.70E-03
580	488956.03	3861006.75	0.0575	1.69E-03	1.73E-03	1.73E-03
581	488904.24	3861051.87	0.05587	1.65E-03	1.68E-03	1.68E-03
582	488954.24	3861051.87	0.05632	1.66E-03	1.69E-03	1.69E-03
583	489004.24	3861051.87	0.05738	1.69E-03	1.73E-03	1.72E-03
584	488804.24	3861101.87	0.05241	1.54E-03	1.58E-03	1.57E-03
585	488854.24	3861101.87	0.05332	1.57E-03	1.60E-03	1.60E-03
586	488904.24	3861101.87	0.05335	1.57E-03	1.60E-03	1.60E-03
587	488954.24	3861101.87	0.05382	1.59E-03	1.62E-03	1.62E-03
588	489004.24	3861101.87	0.05456	1.61E-03	1.64E-03	1.64E-03
589	488804.24	3861151.87	0.05007	1.48E-03	1.51E-03	1.50E-03
590	488854.24	3861151.87	0.05061	1.49E-03	1.52E-03	1.52E-03
591	489129.49	3861187.55	0.05306	1.56E-03	1.60E-03	1.59E-03
592	489179.49	3861187.55	0.05367	1.58E-03	1.61E-03	1.61E-03
593	488804.24	3861201.87	0.0488	1.44E-03	1.47E-03	1.47E-03
594	488854.24	3861201.87	0.04912	1.45E-03	1.48E-03	1.48E-03
595	489129.49	3861237.55	0.05176	1.53E-03	1.56E-03	1.55E-03
596	489179.49	3861237.55	0.05216	1.54E-03	1.57E-03	1.57E-03
597	488804.24	3861251.87	0.04765	1.40E-03	1.43E-03	1.43E-03
598	488854.24	3861251.87	0.0479	1.41E-03	1.44E-03	1.44E-03
599	488804.24	3861301.87	0.04635	1.37E-03	1.39E-03	1.39E-03
600	488854.24	3861301.87	0.04671	1.38E-03	1.40E-03	1.40E-03
601	490943.5	3860181.97	0.48863	1.44E-02	1.47E-02	1.47E-02
602	490993.5	3860181.97	0.53556	1.58E-02	1.61E-02	1.61E-02
603	491043.5	3860181.97	0.59568	1.76E-02	1.79E-02	1.79E-02
604	491093.5	3860181.97	0.66993	1.97E-02	2.01E-02	2.01E-02
605	490943.5	3860231.97	0.42344	1.25E-02	1.27E-02	1.27E-02
606	490993.5	3860231.97	0.46496	1.37E-02	1.40E-02	1.40E-02
607	491043.5	3860231.97	0.5054	1.49E-02	1.52E-02	1.52E-02
608	491093.5	3860231.97	0.55552	1.64E-02	1.67E-02	1.67E-02
609	490943.5	3860281.97	0.3725	1.10E-02	1.12E-02	1.12E-02
610	490993.5	3860281.97	0.40408	1.19E-02	1.21E-02	1.21E-02
611	491043.5	3860281.97	0.43645	1.29E-02	1.31E-02	1.31E-02
612	491093.5	3860281.97	0.47437	1.40E-02	1.43E-02	1.42E-02
613	490943.5	3860331.97	0.33042	9.74E-03	9.94E-03	9.92E-03
614	490993.5	3860331.97	0.35153	1.04E-02	1.06E-02	1.06E-02
615	491043.5	3860331.97	0.3765	1.11E-02	1.13E-02	1.13E-02
616	491093.5	3860331.97	0.40629	1.20E-02	1.22E-02	1.22E-02
617	490086.72	3859935.12	0.35166	1.04E-02	1.06E-02	1.06E-02
618	490136.72	3859935.12	0.37158	1.09E-02	1.12E-02	1.12E-02
619	490186.72	3859935.12	0.39359	1.16E-02	1.18E-02	1.18E-02
620	490236.72	3859935.12	0.41786	1.23E-02	1.26E-02	1.25E-02
621	490286.72	3859935.12	0.4431	1.31E-02	1.33E-02	1.33E-02
622	490336.72	3859935.12	0.47091	1.39E-02	1.42E-02	1.41E-02
623	490386.72	3859935.12	0.50396	1.48E-02	1.52E-02	1.51E-02
624	490436.72	3859935.12	0.54048	1.59E-02	1.63E-02	1.62E-02
625	490486.72	3859935.12	0.58476	1.72E-02	1.76E-02	1.76E-02
626	490536.72	3859935.12	0.64905	1.91E-02	1.95E-02	1.95E-02

627	490586.72	3859935.12	0.73141	2.16E-02	2.20E-02	2.20E-02
628	490636.72	3859935.12	0.82009	2.42E-02	2.47E-02	2.46E-02
629	490686.72	3859935.12	0.9612	2.83E-02	2.89E-02	2.89E-02
630	490736.72	3859935.12	1.12861	3.33E-02	3.39E-02	3.39E-02
631	490086.72	3859985.12	0.31194	9.19E-03	9.38E-03	9.37E-03
632	490136.72	3859985.12	0.32721	9.64E-03	9.84E-03	9.83E-03
633	490186.72	3859985.12	0.34509	1.02E-02	1.04E-02	1.04E-02
634	490236.72	3859985.12	0.3654	1.08E-02	1.10E-02	1.10E-02
635	490286.72	3859985.12	0.38504	1.13E-02	1.16E-02	1.16E-02
636	490336.72	3859985.12	0.40606	1.20E-02	1.22E-02	1.22E-02
637	490386.72	3859985.12	0.42657	1.26E-02	1.28E-02	1.28E-02
638	490436.72	3859985.12	0.45171	1.33E-02	1.36E-02	1.36E-02
639	490486.72	3859985.12	0.48207	1.42E-02	1.45E-02	1.45E-02
640	490536.72	3859985.12	0.52087	1.53E-02	1.57E-02	1.56E-02
641	490586.72	3859985.12	0.56959	1.68E-02	1.71E-02	1.71E-02
642	490636.72	3859985.12	0.63029	1.86E-02	1.90E-02	1.89E-02
643	490686.72	3859985.12	0.71448	2.11E-02	2.15E-02	2.15E-02
644	490736.72	3859985.12	0.79462	2.34E-02	2.39E-02	2.39E-02
645	490786.72	3859985.12	0.89426	2.64E-02	2.69E-02	2.69E-02
646	490086.72	3860035.12	0.27987	8.25E-03	8.42E-03	8.41E-03
647	490136.72	3860035.12	0.29253	8.62E-03	8.80E-03	8.79E-03
648	490186.72	3860035.12	0.30634	9.03E-03	9.21E-03	9.20E-03
649	490236.72	3860035.12	0.32137	9.47E-03	9.66E-03	9.65E-03
650	490286.72	3860035.12	0.33673	9.92E-03	1.01E-02	1.01E-02
651	490336.72	3860035.12	0.35521	1.05E-02	1.07E-02	1.07E-02
652	490386.72	3860035.12	0.3711	1.09E-02	1.12E-02	1.11E-02
653	490436.72	3860035.12	0.38975	1.15E-02	1.17E-02	1.17E-02
654	490486.72	3860035.12	0.41159	1.21E-02	1.24E-02	1.24E-02
655	490536.72	3860035.12	0.43878	1.29E-02	1.32E-02	1.32E-02
656	490586.72	3860035.12	0.46954	1.38E-02	1.41E-02	1.41E-02
657	490636.72	3860035.12	0.50192	1.48E-02	1.51E-02	1.51E-02
658	490686.72	3860035.12	0.54813	1.62E-02	1.65E-02	1.65E-02
659	490736.72	3860035.12	0.61394	1.81E-02	1.85E-02	1.84E-02
660	490786.72	3860035.12	0.67405	1.99E-02	2.03E-02	2.02E-02
661	490836.72	3860035.12	0.74554	2.20E-02	2.24E-02	2.24E-02
662	490086.72	3860085.12	0.2559	7.54E-03	7.69E-03	7.69E-03
663	490136.72	3860085.12	0.26397	7.78E-03	7.94E-03	7.93E-03
664	490186.72	3860085.12	0.27652	8.15E-03	8.31E-03	8.30E-03
665	490236.72	3860085.12	0.28839	8.50E-03	8.67E-03	8.66E-03
666	490286.72	3860085.12	0.30111	8.87E-03	9.05E-03	9.04E-03
667	490336.72	3860085.12	0.31381	9.25E-03	9.44E-03	9.42E-03
668	490386.72	3860085.12	0.3277	9.66E-03	9.85E-03	9.84E-03
669	490436.72	3860085.12	0.34282	1.01E-02	1.03E-02	1.03E-02
670	490486.72	3860085.12	0.35859	1.06E-02	1.08E-02	1.08E-02
671	490536.72	3860085.12	0.37882	1.12E-02	1.14E-02	1.14E-02
672	490586.72	3860085.12	0.40163	1.18E-02	1.21E-02	1.21E-02
673	490636.72	3860085.12	0.42573	1.25E-02	1.28E-02	1.28E-02
674	490686.72	3860085.12	0.45709	1.35E-02	1.37E-02	1.37E-02
675	490736.72	3860085.12	0.49598	1.46E-02	1.49E-02	1.49E-02
676	490786.72	3860085.12	0.54176	1.60E-02	1.63E-02	1.63E-02
677	490836.72	3860085.12	0.5896	1.74E-02	1.77E-02	1.77E-02
678	490086.72	3860135.12	0.22983	6.77E-03	6.91E-03	6.90E-03
679	490136.72	3860135.12	0.23956	7.06E-03	7.20E-03	7.19E-03
680	490186.72	3860135.12	0.24999	7.37E-03	7.52E-03	7.51E-03
681	490236.72	3860135.12	0.25983	7.66E-03	7.81E-03	7.80E-03
682	490286.72	3860135.12	0.27066	7.98E-03	8.14E-03	8.13E-03
683	490336.72	3860135.12	0.28196	8.31E-03	8.48E-03	8.47E-03
684	490386.72	3860135.12	0.29336	8.64E-03	8.82E-03	8.81E-03
685	490436.72	3860135.12	0.30498	8.99E-03	9.17E-03	9.16E-03
686	490486.72	3860135.12	0.31829	9.38E-03	9.57E-03	9.56E-03
687	490536.72	3860135.12	0.33453	9.86E-03	1.01E-02	1.00E-02
688	490586.72	3860135.12	0.35163	1.04E-02	1.06E-02	1.06E-02
689	490636.72	3860135.12	0.37063	1.09E-02	1.11E-02	1.11E-02

690	490686.72	3860135.12	0.39202	1.16E-02	1.18E-02	1.18E-02
691	490736.72	3860135.12	0.41842	1.23E-02	1.26E-02	1.26E-02
692	490786.72	3860135.12	0.45261	1.33E-02	1.36E-02	1.36E-02
693	490836.72	3860135.12	0.48725	1.44E-02	1.47E-02	1.46E-02
694	490086.72	3860185.12	0.21005	6.19E-03	6.32E-03	6.31E-03
695	490136.72	3860185.12	0.21907	6.46E-03	6.59E-03	6.58E-03
696	490186.72	3860185.12	0.22797	6.72E-03	6.85E-03	6.85E-03
697	490236.72	3860185.12	0.23641	6.97E-03	7.11E-03	7.10E-03
698	490286.72	3860185.12	0.24535	7.23E-03	7.38E-03	7.37E-03
699	490336.72	3860185.12	0.25468	7.50E-03	7.66E-03	7.65E-03
700	490386.72	3860185.12	0.26452	7.79E-03	7.95E-03	7.94E-03
701	490436.72	3860185.12	0.27488	8.10E-03	8.27E-03	8.26E-03
702	490486.72	3860185.12	0.28581	8.42E-03	8.59E-03	8.58E-03
703	490536.72	3860185.12	0.2985	8.80E-03	8.98E-03	8.96E-03
704	490586.72	3860185.12	0.31359	9.24E-03	9.43E-03	9.42E-03
705	490636.72	3860185.12	0.32811	9.67E-03	9.87E-03	9.85E-03
706	490686.72	3860185.12	0.3462	1.02E-02	1.04E-02	1.04E-02
707	490736.72	3860185.12	0.36459	1.07E-02	1.10E-02	1.09E-02
708	490786.72	3860185.12	0.38865	1.15E-02	1.17E-02	1.17E-02
709	490836.72	3860185.12	0.41643	1.23E-02	1.25E-02	1.25E-02
710	490086.72	3860235.12	0.19383	5.71E-03	5.83E-03	5.82E-03
711	490136.72	3860235.12	0.20115	5.93E-03	6.05E-03	6.04E-03
712	490186.72	3860235.12	0.20888	6.15E-03	6.28E-03	6.27E-03
713	490236.72	3860235.12	0.21641	6.38E-03	6.51E-03	6.50E-03
714	490286.72	3860235.12	0.22413	6.60E-03	6.74E-03	6.73E-03
715	490336.72	3860235.12	0.2323	6.85E-03	6.98E-03	6.98E-03
716	490386.72	3860235.12	0.24079	7.10E-03	7.24E-03	7.23E-03
717	490436.72	3860235.12	0.24995	7.37E-03	7.52E-03	7.51E-03
718	490486.72	3860235.12	0.25922	7.64E-03	7.79E-03	7.79E-03
719	490536.72	3860235.12	0.26991	7.95E-03	8.12E-03	8.11E-03
720	490586.72	3860235.12	0.28192	8.31E-03	8.48E-03	8.47E-03
721	490636.72	3860235.12	0.29493	8.69E-03	8.87E-03	8.86E-03
722	490686.72	3860235.12	0.30952	9.12E-03	9.31E-03	9.30E-03
723	490736.72	3860235.12	0.32532	9.59E-03	9.78E-03	9.77E-03
724	490786.72	3860235.12	0.34309	1.01E-02	1.03E-02	1.03E-02
725	490086.72	3860285.12	0.17939	5.29E-03	5.39E-03	5.39E-03
726	490136.72	3860285.12	0.18588	5.48E-03	5.59E-03	5.58E-03
727	490186.72	3860285.12	0.19228	5.67E-03	5.78E-03	5.77E-03
728	490236.72	3860285.12	0.19927	5.87E-03	5.99E-03	5.98E-03
729	490286.72	3860285.12	0.20586	6.07E-03	6.19E-03	6.18E-03
730	490336.72	3860285.12	0.21282	6.27E-03	6.40E-03	6.39E-03
731	490386.72	3860285.12	0.22059	6.50E-03	6.63E-03	6.62E-03
732	490436.72	3860285.12	0.22835	6.73E-03	6.87E-03	6.86E-03
733	490486.72	3860285.12	0.23683	6.98E-03	7.12E-03	7.11E-03
734	490536.72	3860285.12	0.24548	7.23E-03	7.38E-03	7.37E-03
735	490586.72	3860285.12	0.25522	7.52E-03	7.67E-03	7.66E-03
736	490636.72	3860285.12	0.26632	7.85E-03	8.01E-03	8.00E-03
737	490686.72	3860285.12	0.27897	8.22E-03	8.39E-03	8.38E-03
738	490736.72	3860285.12	0.29242	8.62E-03	8.79E-03	8.78E-03
739	490786.72	3860285.12	0.30794	9.07E-03	9.26E-03	9.25E-03
740	490086.72	3860335.12	0.16666	4.91E-03	5.01E-03	5.01E-03
741	490136.72	3860335.12	0.17251	5.08E-03	5.19E-03	5.18E-03
742	490186.72	3860335.12	0.17813	5.25E-03	5.36E-03	5.35E-03
743	490236.72	3860335.12	0.18437	5.43E-03	5.54E-03	5.54E-03
744	490286.72	3860335.12	0.1902	5.60E-03	5.72E-03	5.71E-03
745	490336.72	3860335.12	0.19623	5.78E-03	5.90E-03	5.89E-03
746	490386.72	3860335.12	0.20281	5.98E-03	6.10E-03	6.09E-03
747	490436.72	3860335.12	0.20982	6.18E-03	6.31E-03	6.30E-03
748	490486.72	3860335.12	0.21711	6.40E-03	6.53E-03	6.52E-03
749	490536.72	3860335.12	0.22534	6.64E-03	6.78E-03	6.77E-03
750	490586.72	3860335.12	0.23347	6.88E-03	7.02E-03	7.01E-03
751	490636.72	3860335.12	0.24284	7.16E-03	7.30E-03	7.29E-03
752	490686.72	3860335.12	0.25325	7.46E-03	7.61E-03	7.61E-03

753	490736.72	3860335.12	0.26482	7.80E-03	7.96E-03	7.95E-03
754	490786.72	3860335.12	0.27881	8.22E-03	8.38E-03	8.37E-03
755	490086.72	3860385.12	0.15556	4.58E-03	4.68E-03	4.67E-03
756	490136.72	3860385.12	0.16084	4.74E-03	4.84E-03	4.83E-03
757	490186.72	3860385.12	0.16556	4.88E-03	4.98E-03	4.97E-03
758	490236.72	3860385.12	0.17097	5.04E-03	5.14E-03	5.13E-03
759	490286.72	3860385.12	0.17623	5.19E-03	5.30E-03	5.29E-03
760	490336.72	3860385.12	0.18174	5.36E-03	5.46E-03	5.46E-03
761	490386.72	3860385.12	0.18748	5.52E-03	5.64E-03	5.63E-03
762	490436.72	3860385.12	0.19362	5.71E-03	5.82E-03	5.81E-03
763	490486.72	3860385.12	0.20039	5.90E-03	6.03E-03	6.02E-03
764	490536.72	3860385.12	0.20742	6.11E-03	6.24E-03	6.23E-03
765	490586.72	3860385.12	0.21489	6.33E-03	6.46E-03	6.45E-03
766	490636.72	3860385.12	0.22269	6.56E-03	6.70E-03	6.69E-03
767	490686.72	3860385.12	0.23182	6.83E-03	6.97E-03	6.96E-03
768	490736.72	3860385.12	0.24117	7.11E-03	7.25E-03	7.24E-03
769	490786.72	3860385.12	0.25202	7.43E-03	7.58E-03	7.57E-03
770	490136.72	3860435.12	0.15002	4.42E-03	4.51E-03	4.51E-03
771	490186.72	3860435.12	0.15469	4.56E-03	4.65E-03	4.65E-03
772	490236.72	3860435.12	0.15931	4.69E-03	4.79E-03	4.78E-03
773	490286.72	3860435.12	0.16402	4.83E-03	4.93E-03	4.93E-03
774	490336.72	3860435.12	0.16872	4.97E-03	5.07E-03	5.07E-03
775	490386.72	3860435.12	0.17395	5.13E-03	5.23E-03	5.22E-03
776	490436.72	3860435.12	0.17941	5.29E-03	5.39E-03	5.39E-03
777	490486.72	3860435.12	0.1852	5.46E-03	5.57E-03	5.56E-03
778	490536.72	3860435.12	0.19154	5.64E-03	5.76E-03	5.75E-03
779	490586.72	3860435.12	0.19798	5.83E-03	5.95E-03	5.95E-03
780	490636.72	3860435.12	0.20479	6.03E-03	6.16E-03	6.15E-03
781	490686.72	3860435.12	0.21252	6.26E-03	6.39E-03	6.38E-03
782	490736.72	3860435.12	0.22131	6.52E-03	6.65E-03	6.65E-03
783	490786.72	3860435.12	0.23019	6.78E-03	6.92E-03	6.91E-03
784	490136.72	3860485.12	0.14104	4.16E-03	4.24E-03	4.24E-03
785	490186.72	3860485.12	0.145	4.27E-03	4.36E-03	4.35E-03
786	490236.72	3860485.12	0.14889	4.39E-03	4.48E-03	4.47E-03
787	490286.72	3860485.12	0.15327	4.52E-03	4.61E-03	4.60E-03
788	490336.72	3860485.12	0.15746	4.64E-03	4.73E-03	4.73E-03
789	490386.72	3860485.12	0.16217	4.78E-03	4.88E-03	4.87E-03
790	490436.72	3860485.12	0.16744	4.93E-03	5.03E-03	5.03E-03
791	490486.72	3860485.12	0.17232	5.08E-03	5.18E-03	5.18E-03
792	490536.72	3860485.12	0.17743	5.23E-03	5.33E-03	5.33E-03
793	490586.72	3860485.12	0.18296	5.39E-03	5.50E-03	5.49E-03
794	490636.72	3860485.12	0.18931	5.58E-03	5.69E-03	5.69E-03
795	490686.72	3860485.12	0.19557	5.76E-03	5.88E-03	5.87E-03
796	490736.72	3860485.12	0.20295	5.98E-03	6.10E-03	6.10E-03
797	490786.72	3860485.12	0.21086	6.21E-03	6.34E-03	6.33E-03
798	490136.72	3860535.12	0.13278	3.91E-03	3.99E-03	3.99E-03
799	490186.72	3860535.12	0.13694	4.04E-03	4.12E-03	4.11E-03
800	490236.72	3860535.12	0.13986	4.12E-03	4.21E-03	4.20E-03
801	490286.72	3860535.12	0.14341	4.23E-03	4.31E-03	4.31E-03
802	490336.72	3860535.12	0.14742	4.34E-03	4.43E-03	4.43E-03
803	490386.72	3860535.12	0.15187	4.48E-03	4.57E-03	4.56E-03
804	490436.72	3860535.12	0.15645	4.61E-03	4.70E-03	4.70E-03
805	490486.72	3860535.12	0.16109	4.75E-03	4.84E-03	4.84E-03
806	490536.72	3860535.12	0.167	4.92E-03	5.02E-03	5.02E-03
807	490586.72	3860535.12	0.17033	5.02E-03	5.12E-03	5.12E-03
808	490636.72	3860535.12	0.17538	5.17E-03	5.27E-03	5.27E-03
809	490686.72	3860535.12	0.18116	5.34E-03	5.45E-03	5.44E-03
810	490736.72	3860535.12	0.18702	5.51E-03	5.62E-03	5.62E-03
811	490786.72	3860535.12	0.19394	5.71E-03	5.83E-03	5.82E-03
812	490136.72	3860585.12	0.12582	3.71E-03	3.78E-03	3.78E-03
813	490186.72	3860585.12	0.1274	3.75E-03	3.83E-03	3.83E-03
814	490236.72	3860585.12	0.13115	3.86E-03	3.94E-03	3.94E-03
815	490286.72	3860585.12	0.13482	3.97E-03	4.05E-03	4.05E-03

816	490336.72	3860585.12	0.13832	4.08E-03	4.16E-03	4.15E-03
817	490386.72	3860585.12	0.14193	4.18E-03	4.27E-03	4.26E-03
818	490436.72	3860585.12	0.14695	4.33E-03	4.42E-03	4.41E-03
819	490486.72	3860585.12	0.15195	4.48E-03	4.57E-03	4.56E-03
820	490536.72	3860585.12	0.15589	4.59E-03	4.69E-03	4.68E-03
821	490586.72	3860585.12	0.15821	4.66E-03	4.76E-03	4.75E-03
822	490636.72	3860585.12	0.16294	4.80E-03	4.90E-03	4.89E-03
823	490686.72	3860585.12	0.16785	4.95E-03	5.05E-03	5.04E-03
824	490736.72	3860585.12	0.17315	5.10E-03	5.21E-03	5.20E-03
825	490786.72	3860585.12	0.17858	5.26E-03	5.37E-03	5.36E-03
826	490136.72	3860635.12	0.11984	3.53E-03	3.60E-03	3.60E-03
827	490186.72	3860635.12	0.12187	3.59E-03	3.66E-03	3.66E-03
828	490236.72	3860635.12	0.1238	3.65E-03	3.72E-03	3.72E-03
829	490286.72	3860635.12	0.12667	3.73E-03	3.81E-03	3.80E-03
830	490336.72	3860635.12	0.12998	3.83E-03	3.91E-03	3.90E-03
831	490386.72	3860635.12	0.13337	3.93E-03	4.01E-03	4.01E-03
832	490436.72	3860635.12	0.1367	4.03E-03	4.11E-03	4.11E-03
833	490486.72	3860635.12	0.14042	4.14E-03	4.22E-03	4.22E-03
834	490536.72	3860635.12	0.14476	4.27E-03	4.35E-03	4.35E-03
835	490586.72	3860635.12	0.14796	4.36E-03	4.45E-03	4.44E-03
836	490636.72	3860635.12	0.15217	4.48E-03	4.58E-03	4.57E-03
837	490686.72	3860635.12	0.15639	4.61E-03	4.70E-03	4.70E-03
838	490736.72	3860635.12	0.16042	4.73E-03	4.82E-03	4.82E-03
839	490786.72	3860635.12	0.16531	4.87E-03	4.97E-03	4.96E-03
840	490136.72	3860685.12	0.11314	3.33E-03	3.40E-03	3.40E-03
841	490186.72	3860685.12	0.11652	3.43E-03	3.50E-03	3.50E-03
842	490236.72	3860685.12	0.11817	3.48E-03	3.55E-03	3.55E-03
843	490286.72	3860685.12	0.11919	3.51E-03	3.58E-03	3.58E-03
844	490336.72	3860685.12	0.12251	3.61E-03	3.68E-03	3.68E-03
845	490386.72	3860685.12	0.12552	3.70E-03	3.77E-03	3.77E-03
846	490436.72	3860685.12	0.12823	3.78E-03	3.86E-03	3.85E-03
847	490486.72	3860685.12	0.13103	3.86E-03	3.94E-03	3.94E-03
848	490536.72	3860685.12	0.13451	3.96E-03	4.04E-03	4.04E-03
849	490586.72	3860685.12	0.13807	4.07E-03	4.15E-03	4.15E-03
850	490636.72	3860685.12	0.14199	4.18E-03	4.27E-03	4.26E-03
851	490686.72	3860685.12	0.14616	4.31E-03	4.39E-03	4.39E-03
852	490736.72	3860685.12	0.14984	4.42E-03	4.51E-03	4.50E-03
853	490786.72	3860685.12	0.15468	4.56E-03	4.65E-03	4.65E-03
854	490136.72	3860735.12	0.10594	3.12E-03	3.19E-03	3.18E-03
855	490186.72	3860735.12	0.10788	3.18E-03	3.24E-03	3.24E-03
856	490236.72	3860735.12	0.11016	3.25E-03	3.31E-03	3.31E-03
857	490286.72	3860735.12	0.11267	3.32E-03	3.39E-03	3.38E-03
858	490336.72	3860735.12	0.11518	3.39E-03	3.46E-03	3.46E-03
859	490386.72	3860735.12	0.1181	3.48E-03	3.55E-03	3.55E-03
860	490436.72	3860735.12	0.12171	3.59E-03	3.66E-03	3.66E-03
861	490486.72	3860735.12	0.12401	3.65E-03	3.73E-03	3.72E-03
862	490536.72	3860735.12	0.12584	3.71E-03	3.78E-03	3.78E-03
863	490586.72	3860735.12	0.12871	3.79E-03	3.87E-03	3.87E-03
864	490636.72	3860735.12	0.13193	3.89E-03	3.97E-03	3.96E-03
865	490686.72	3860735.12	0.13594	4.01E-03	4.09E-03	4.08E-03
866	490736.72	3860735.12	0.14007	4.13E-03	4.21E-03	4.21E-03
867	490136.72	3860785.12	0.09972	2.94E-03	3.00E-03	2.99E-03
868	490186.72	3860785.12	0.10181	3.00E-03	3.06E-03	3.06E-03
869	490236.72	3860785.12	0.10389	3.06E-03	3.12E-03	3.12E-03
870	490286.72	3860785.12	0.1061	3.13E-03	3.19E-03	3.19E-03
871	490336.72	3860785.12	0.10832	3.19E-03	3.26E-03	3.25E-03
872	490386.72	3860785.12	0.11124	3.28E-03	3.34E-03	3.34E-03
873	490436.72	3860785.12	0.11364	3.35E-03	3.42E-03	3.41E-03
874	490486.72	3860785.12	0.11668	3.44E-03	3.51E-03	3.50E-03
875	490536.72	3860785.12	0.11883	3.50E-03	3.57E-03	3.57E-03
876	490586.72	3860785.12	0.12047	3.55E-03	3.62E-03	3.62E-03
877	490636.72	3860785.12	0.12305	3.63E-03	3.70E-03	3.70E-03
878	490686.72	3860785.12	0.12623	3.72E-03	3.80E-03	3.79E-03

879	490736.72	3860785.12	0.12999	3.83E-03	3.91E-03	3.90E-03
880	490086.72	3860835.12	0.09271	2.73E-03	2.79E-03	2.78E-03
881	490136.72	3860835.12	0.09483	2.79E-03	2.85E-03	2.85E-03
882	490186.72	3860835.12	0.09647	2.84E-03	2.90E-03	2.90E-03
883	490236.72	3860835.12	0.09826	2.90E-03	2.95E-03	2.95E-03
884	490286.72	3860835.12	0.10035	2.96E-03	3.02E-03	3.01E-03
885	490336.72	3860835.12	0.10223	3.01E-03	3.07E-03	3.07E-03
886	490386.72	3860835.12	0.1043	3.07E-03	3.14E-03	3.13E-03
887	490436.72	3860835.12	0.10681	3.15E-03	3.21E-03	3.21E-03
888	490486.72	3860835.12	0.10926	3.22E-03	3.29E-03	3.28E-03
889	490536.72	3860835.12	0.1115	3.29E-03	3.35E-03	3.35E-03
890	490586.72	3860835.12	0.11345	3.34E-03	3.41E-03	3.41E-03
891	490636.72	3860835.12	0.11549	3.40E-03	3.47E-03	3.47E-03
892	490686.72	3860835.12	0.11811	3.48E-03	3.55E-03	3.55E-03
893	490736.72	3860835.12	0.1213	3.57E-03	3.65E-03	3.64E-03
894	490086.72	3860885.12	0.08844	2.61E-03	2.66E-03	2.66E-03
895	490136.72	3860885.12	0.09007	2.65E-03	2.71E-03	2.71E-03
896	490186.72	3860885.12	0.09164	2.70E-03	2.76E-03	2.75E-03
897	490236.72	3860885.12	0.09333	2.75E-03	2.81E-03	2.80E-03
898	490286.72	3860885.12	0.09504	2.80E-03	2.86E-03	2.85E-03
899	490336.72	3860885.12	0.09668	2.85E-03	2.91E-03	2.90E-03
900	490386.72	3860885.12	0.09869	2.91E-03	2.97E-03	2.96E-03
901	490436.72	3860885.12	0.10087	2.97E-03	3.03E-03	3.03E-03
902	490486.72	3860885.12	0.10292	3.03E-03	3.09E-03	3.09E-03
903	490536.72	3860885.12	0.10488	3.09E-03	3.15E-03	3.15E-03
904	490586.72	3860885.12	0.10673	3.14E-03	3.21E-03	3.21E-03
905	490636.72	3860885.12	0.10853	3.20E-03	3.26E-03	3.26E-03
906	490686.72	3860885.12	0.11061	3.26E-03	3.33E-03	3.32E-03
907	490736.72	3860885.12	0.1129	3.33E-03	3.39E-03	3.39E-03
908	490086.72	3860935.12	0.08413	2.48E-03	2.53E-03	2.53E-03
909	490136.72	3860935.12	0.08535	2.51E-03	2.57E-03	2.56E-03
910	490186.72	3860935.12	0.08698	2.56E-03	2.62E-03	2.61E-03
911	490236.72	3860935.12	0.08859	2.61E-03	2.66E-03	2.66E-03
912	490286.72	3860935.12	0.09026	2.66E-03	2.71E-03	2.71E-03
913	490336.72	3860935.12	0.09169	2.70E-03	2.76E-03	2.75E-03
914	490386.72	3860935.12	0.09355	2.76E-03	2.81E-03	2.81E-03
915	490436.72	3860935.12	0.09545	2.81E-03	2.87E-03	2.87E-03
916	490486.72	3860935.12	0.09715	2.86E-03	2.92E-03	2.92E-03
917	490536.72	3860935.12	0.09896	2.92E-03	2.98E-03	2.97E-03
918	490586.72	3860935.12	0.10056	2.96E-03	3.02E-03	3.02E-03
919	490636.72	3860935.12	0.10214	3.01E-03	3.07E-03	3.07E-03
920	490686.72	3860935.12	0.10389	3.06E-03	3.12E-03	3.12E-03
921	490736.72	3860935.12	0.10569	3.11E-03	3.18E-03	3.17E-03
922	490786.72	3860935.12	0.10761	3.17E-03	3.24E-03	3.23E-03
923	490836.72	3860935.12	0.11002	3.24E-03	3.31E-03	3.30E-03
924	490086.72	3860985.12	0.08036	2.37E-03	2.42E-03	2.41E-03
925	490136.72	3860985.12	0.08162	2.41E-03	2.45E-03	2.45E-03
926	490186.72	3860985.12	0.08311	2.45E-03	2.50E-03	2.50E-03
927	490236.72	3860985.12	0.08428	2.48E-03	2.53E-03	2.53E-03
928	490286.72	3860985.12	0.08563	2.52E-03	2.57E-03	2.57E-03
929	490336.72	3860985.12	0.08706	2.57E-03	2.62E-03	2.61E-03
930	490386.72	3860985.12	0.08862	2.61E-03	2.66E-03	2.66E-03
931	490436.72	3860985.12	0.09047	2.67E-03	2.72E-03	2.72E-03
932	490486.72	3860985.12	0.09194	2.71E-03	2.76E-03	2.76E-03
933	490536.72	3860985.12	0.09331	2.75E-03	2.81E-03	2.80E-03
934	490586.72	3860985.12	0.09472	2.79E-03	2.85E-03	2.84E-03
935	490636.72	3860985.12	0.09631	2.84E-03	2.90E-03	2.89E-03
936	490686.72	3860985.12	0.09768	2.88E-03	2.94E-03	2.93E-03
937	490736.72	3860985.12	0.09905	2.92E-03	2.98E-03	2.97E-03
938	490786.72	3860985.12	0.10065	2.97E-03	3.03E-03	3.02E-03
939	490836.72	3860985.12	0.10251	3.02E-03	3.08E-03	3.08E-03
940	490086.72	3861035.12	0.07677	2.26E-03	2.31E-03	2.31E-03
941	490136.72	3861035.12	0.07796	2.30E-03	2.34E-03	2.34E-03

942	490186.72	3861035.12	0.07911	2.33E-03	2.38E-03	2.38E-03
943	490236.72	3861035.12	0.0804	2.37E-03	2.42E-03	2.41E-03
944	490286.72	3861035.12	0.08147	2.40E-03	2.45E-03	2.45E-03
945	490336.72	3861035.12	0.08263	2.43E-03	2.48E-03	2.48E-03
946	490386.72	3861035.12	0.0842	2.48E-03	2.53E-03	2.53E-03
947	490436.72	3861035.12	0.0858	2.53E-03	2.58E-03	2.58E-03
948	490486.72	3861035.12	0.08713	2.57E-03	2.62E-03	2.62E-03
949	490536.72	3861035.12	0.08834	2.60E-03	2.66E-03	2.65E-03
950	490586.72	3861035.12	0.08951	2.64E-03	2.69E-03	2.69E-03
951	490636.72	3861035.12	0.09066	2.67E-03	2.73E-03	2.72E-03
952	490686.72	3861035.12	0.09181	2.71E-03	2.76E-03	2.76E-03
953	490736.72	3861035.12	0.09299	2.74E-03	2.80E-03	2.79E-03
954	490786.72	3861035.12	0.09435	2.78E-03	2.84E-03	2.83E-03
955	490836.72	3861035.12	0.09579	2.82E-03	2.88E-03	2.88E-03
956	490086.72	3861085.12	0.07342	2.16E-03	2.21E-03	2.20E-03
957	490136.72	3861085.12	0.07466	2.20E-03	2.24E-03	2.24E-03
958	490186.72	3861085.12	0.07596	2.24E-03	2.28E-03	2.28E-03
959	490236.72	3861085.12	0.07684	2.26E-03	2.31E-03	2.31E-03
960	490286.72	3861085.12	0.07779	2.29E-03	2.34E-03	2.34E-03
961	490336.72	3861085.12	0.07876	2.32E-03	2.37E-03	2.37E-03
962	490386.72	3861085.12	0.08009	2.36E-03	2.41E-03	2.41E-03
963	490436.72	3861085.12	0.08127	2.39E-03	2.44E-03	2.44E-03
964	490486.72	3861085.12	0.08243	2.43E-03	2.48E-03	2.48E-03
965	490536.72	3861085.12	0.08374	2.47E-03	2.52E-03	2.51E-03
966	490586.72	3861085.12	0.08468	2.50E-03	2.55E-03	2.54E-03
967	490636.72	3861085.12	0.08545	2.52E-03	2.57E-03	2.57E-03
968	490686.72	3861085.12	0.08638	2.55E-03	2.60E-03	2.59E-03
969	490736.72	3861085.12	0.08745	2.58E-03	2.63E-03	2.63E-03
970	490786.72	3861085.12	0.08856	2.61E-03	2.66E-03	2.66E-03
971	490836.72	3861085.12	0.08969	2.64E-03	2.70E-03	2.69E-03
972	490086.72	3861135.12	0.07024	2.07E-03	2.11E-03	2.11E-03
973	490136.72	3861135.12	0.07128	2.10E-03	2.14E-03	2.14E-03
974	490186.72	3861135.12	0.07239	2.13E-03	2.18E-03	2.17E-03
975	490236.72	3861135.12	0.07342	2.16E-03	2.21E-03	2.20E-03
976	490286.72	3861135.12	0.07435	2.19E-03	2.24E-03	2.23E-03
977	490336.72	3861135.12	0.0752	2.22E-03	2.26E-03	2.26E-03
978	490386.72	3861135.12	0.07621	2.25E-03	2.29E-03	2.29E-03
979	490436.72	3861135.12	0.07717	2.27E-03	2.32E-03	2.32E-03
980	490486.72	3861135.12	0.07819	2.30E-03	2.35E-03	2.35E-03
981	490536.72	3861135.12	0.07919	2.33E-03	2.38E-03	2.38E-03
982	490586.72	3861135.12	0.08006	2.36E-03	2.41E-03	2.40E-03
983	490636.72	3861135.12	0.08073	2.38E-03	2.43E-03	2.42E-03
984	490686.72	3861135.12	0.0816	2.40E-03	2.45E-03	2.45E-03
985	490736.72	3861135.12	0.08255	2.43E-03	2.48E-03	2.48E-03
986	490786.72	3861135.12	0.08348	2.46E-03	2.51E-03	2.51E-03
987	490836.72	3861135.12	0.08439	2.49E-03	2.54E-03	2.53E-03
988	490086.72	3861185.12	0.06724	1.98E-03	2.02E-03	2.02E-03
989	490136.72	3861185.12	0.06795	2.00E-03	2.04E-03	2.04E-03
990	490186.72	3861185.12	0.06885	2.03E-03	2.07E-03	2.07E-03
991	490236.72	3861185.12	0.0698	2.06E-03	2.10E-03	2.10E-03
992	490286.72	3861185.12	0.07087	2.09E-03	2.13E-03	2.13E-03
993	490336.72	3861185.12	0.07138	2.10E-03	2.15E-03	2.14E-03
994	490386.72	3861185.12	0.07228	2.13E-03	2.17E-03	2.17E-03
995	490436.72	3861185.12	0.07332	2.16E-03	2.20E-03	2.20E-03
996	490486.72	3861185.12	0.07414	2.18E-03	2.23E-03	2.23E-03
997	490536.72	3861185.12	0.07532	2.22E-03	2.26E-03	2.26E-03
998	490586.72	3861185.12	0.07597	2.24E-03	2.28E-03	2.28E-03
999	490636.72	3861185.12	0.07636	2.25E-03	2.30E-03	2.29E-03
1000	490686.72	3861185.12	0.0771	2.27E-03	2.32E-03	2.32E-03
1001	490736.72	3861185.12	0.0781	2.30E-03	2.35E-03	2.35E-03
1002	490786.72	3861185.12	0.07901	2.33E-03	2.38E-03	2.37E-03
1003	490836.72	3861185.12	0.07986	2.35E-03	2.40E-03	2.40E-03
1004	490086.72	3861235.12	0.06436	1.90E-03	1.94E-03	1.93E-03

1005	490136.72	3861235.12	0.06502	1.92E-03	1.96E-03	1.95E-03
1006	490186.72	3861235.12	0.06583	1.94E-03	1.98E-03	1.98E-03
1007	490236.72	3861235.12	0.06646	1.96E-03	2.00E-03	2.00E-03
1008	490386.72	3861235.12	0.06862	2.02E-03	2.06E-03	2.06E-03
1009	490436.72	3861235.12	0.0693	2.04E-03	2.08E-03	2.08E-03
1010	490486.72	3861235.12	0.07004	2.06E-03	2.11E-03	2.10E-03
1011	490536.72	3861235.12	0.07133	2.10E-03	2.14E-03	2.14E-03
1012	490586.72	3861235.12	0.07235	2.13E-03	2.18E-03	2.17E-03
1013	490636.72	3861235.12	0.07239	2.13E-03	2.18E-03	2.17E-03
1014	490686.72	3861235.12	0.07311	2.15E-03	2.20E-03	2.20E-03
1015	490736.72	3861235.12	0.07405	2.18E-03	2.23E-03	2.22E-03
1016	490786.72	3861235.12	0.07501	2.21E-03	2.26E-03	2.25E-03
1017	490836.72	3861235.12	0.07579	2.23E-03	2.28E-03	2.28E-03
1018	490086.72	3861285.12	0.06185	1.82E-03	1.86E-03	1.86E-03
1019	490136.72	3861285.12	0.06265	1.85E-03	1.88E-03	1.88E-03
1020	490186.72	3861285.12	0.06307	1.86E-03	1.90E-03	1.89E-03
1021	490236.72	3861285.12	0.06363	1.87E-03	1.91E-03	1.91E-03
1022	490386.72	3861285.12	0.06544	1.93E-03	1.97E-03	1.97E-03
1023	490436.72	3861285.12	0.06617	1.95E-03	1.99E-03	1.99E-03
1024	490486.72	3861285.12	0.06673	1.97E-03	2.01E-03	2.00E-03
1025	490536.72	3861285.12	0.06746	1.99E-03	2.03E-03	2.03E-03
1026	490586.72	3861285.12	0.06829	2.01E-03	2.05E-03	2.05E-03
1027	490636.72	3861285.12	0.06867	2.02E-03	2.06E-03	2.06E-03
1028	490686.72	3861285.12	0.06939	2.04E-03	2.09E-03	2.08E-03
1029	490736.72	3861285.12	0.0705	2.08E-03	2.12E-03	2.12E-03
1030	490786.72	3861285.12	0.07121	2.10E-03	2.14E-03	2.14E-03
1031	490836.72	3861285.12	0.07176	2.11E-03	2.16E-03	2.16E-03
1032	490061.24	3859716.13	0.75092	2.21E-02	2.26E-02	2.26E-02
1033	490111.24	3859716.13	0.85832	2.53E-02	2.58E-02	2.58E-02
1034	490161.24	3859716.13	0.9939	2.93E-02	2.99E-02	2.98E-02
1035	490211.24	3859716.13	1.16865	3.44E-02	3.51E-02	3.51E-02
1036	490061.24	3859766.13	0.59192	1.74E-02	1.78E-02	1.78E-02
1037	490111.24	3859766.13	0.65223	1.92E-02	1.96E-02	1.96E-02
1038	490161.24	3859766.13	0.72223	2.13E-02	2.17E-02	2.17E-02
1039	490211.24	3859766.13	0.80972	2.39E-02	2.43E-02	2.43E-02
1040	490061.24	3859816.13	0.48756	1.44E-02	1.47E-02	1.46E-02
1041	490111.24	3859816.13	0.52602	1.55E-02	1.58E-02	1.58E-02
1042	490161.24	3859816.13	0.571	1.68E-02	1.72E-02	1.71E-02
1043	490211.24	3859816.13	0.62222	1.83E-02	1.87E-02	1.87E-02
1044	490061.24	3859866.13	0.4138	1.22E-02	1.24E-02	1.24E-02
1045	490111.24	3859866.13	0.4419	1.30E-02	1.33E-02	1.33E-02
1046	490161.24	3859866.13	0.47377	1.40E-02	1.42E-02	1.42E-02
1047	490211.24	3859866.13	0.50933	1.50E-02	1.53E-02	1.53E-02
1048	490061.24	3859916.13	0.35849	1.06E-02	1.08E-02	1.08E-02
1049	490111.24	3859916.13	0.38053	1.12E-02	1.14E-02	1.14E-02
1050	490161.24	3859916.13	0.40395	1.19E-02	1.21E-02	1.21E-02
1051	490211.24	3859916.13	0.42904	1.26E-02	1.29E-02	1.29E-02
1052	490229.25	3859815.26	0.64809	1.91E-02	1.95E-02	1.95E-02
1053	490279.25	3859815.26	0.71118	2.10E-02	2.14E-02	2.14E-02
1054	490329.25	3859815.26	0.78683	2.32E-02	2.37E-02	2.36E-02
1055	490379.25	3859815.26	0.89497	2.64E-02	2.69E-02	2.69E-02
1056	490429.25	3859815.26	1.0505	3.10E-02	3.16E-02	3.15E-02
1057	490229.25	3859865.26	0.5249	1.55E-02	1.58E-02	1.58E-02
1058	490279.25	3859865.26	0.56535	1.67E-02	1.70E-02	1.70E-02
1059	490329.25	3859865.26	0.6113	1.80E-02	1.84E-02	1.84E-02
1060	490379.25	3859865.26	0.66924	1.97E-02	2.01E-02	2.01E-02
1061	490429.25	3859865.26	0.74263	2.19E-02	2.23E-02	2.23E-02
1062	490229.25	3859915.26	0.44057	1.30E-02	1.32E-02	1.32E-02
1063	490279.25	3859915.26	0.4678	1.38E-02	1.41E-02	1.40E-02
1064	490329.25	3859915.26	0.49985	1.47E-02	1.50E-02	1.50E-02
1065	490379.25	3859915.26	0.53726	1.58E-02	1.62E-02	1.61E-02
1066	490429.25	3859915.26	0.57971	1.71E-02	1.74E-02	1.74E-02
1067	490451.43	3859872.59	0.74608	2.20E-02	2.24E-02	2.24E-02

1068	490501.43	3859872.59	0.8471	2.50E-02	2.55E-02	2.54E-02
1069	490551.43	3859872.59	0.99533	2.93E-02	2.99E-02	2.99E-02
1070	490601.43	3859872.59	1.19764	3.53E-02	3.60E-02	3.60E-02
1071	490451.43	3859922.59	0.58246	1.72E-02	1.75E-02	1.75E-02
1072	490501.43	3859922.59	0.63794	1.88E-02	1.92E-02	1.92E-02
1073	490551.43	3859922.59	0.71485	2.11E-02	2.15E-02	2.15E-02
1074	490601.43	3859922.59	0.81662	2.41E-02	2.46E-02	2.45E-02
1075	482129.67	3852241.07	1.22792	3.62E-02	3.69E-02	3.69E-02
1076	482029.67	3852291.07	1.99798	5.89E-02	6.01E-02	6.00E-02
1077	482079.67	3852291.07	1.64267	4.84E-02	4.94E-02	4.93E-02
1078	482129.67	3852291.07	1.39502	4.11E-02	4.19E-02	4.19E-02
1079	482179.67	3852291.07	1.20207	3.54E-02	3.61E-02	3.61E-02
1080	482229.67	3852291.07	1.03376	3.05E-02	3.11E-02	3.10E-02
1081	482029.67	3852341.07	2.51262	7.40E-02	7.55E-02	7.55E-02
1082	482079.67	3852341.07	1.97862	5.83E-02	5.95E-02	5.94E-02
1083	482129.67	3852341.07	1.62802	4.80E-02	4.90E-02	4.89E-02
1084	482179.67	3852341.07	1.37943	4.06E-02	4.15E-02	4.14E-02
1085	482259.06	3852400.14	1.30562	3.85E-02	3.93E-02	3.92E-02
1086	482309.06	3852400.14	1.11677	3.29E-02	3.36E-02	3.35E-02
1087	482209.06	3852450.14	1.7653	5.20E-02	5.31E-02	5.30E-02
1088	482259.06	3852450.14	1.49839	4.42E-02	4.51E-02	4.50E-02
1089	482309.06	3852450.14	1.2849	3.79E-02	3.86E-02	3.86E-02
1090	482209.06	3852500.14	2.13796	6.30E-02	6.43E-02	6.42E-02
1091	482259.06	3852500.14	1.76898	5.21E-02	5.32E-02	5.31E-02
1092	482309.06	3852500.14	1.48331	4.37E-02	4.46E-02	4.45E-02
1093	482283.91	3852513.62	1.69486	4.99E-02	5.10E-02	5.09E-02
1094	482333.91	3852513.62	1.42843	4.21E-02	4.30E-02	4.29E-02
1095	482283.91	3852563.62	2.02866	5.98E-02	6.10E-02	6.09E-02
1096	482333.91	3852563.62	1.67967	4.95E-02	5.05E-02	5.04E-02
1097	482383.91	3852563.62	1.42243	4.19E-02	4.28E-02	4.27E-02
1098	482283.91	3852613.62	2.61182	7.70E-02	7.85E-02	7.84E-02
1099	482333.91	3852613.62	2.02518	5.97E-02	6.09E-02	6.08E-02
1100	482383.91	3852613.62	1.66057	4.89E-02	4.99E-02	4.99E-02
1101	482602.38	3852600.87	0.86366	2.54E-02	2.60E-02	2.59E-02
1102	482652.38	3852600.87	0.78723	2.32E-02	2.37E-02	2.36E-02
1103	482702.38	3852600.87	0.69346	2.04E-02	2.09E-02	2.08E-02
1104	482552.38	3852650.87	1.11248	3.28E-02	3.35E-02	3.34E-02
1105	482602.38	3852650.87	0.96383	2.84E-02	2.90E-02	2.89E-02
1106	482652.38	3852650.87	0.87216	2.57E-02	2.62E-02	2.62E-02
1107	482702.38	3852650.87	0.79686	2.35E-02	2.40E-02	2.39E-02
1108	482552.38	3852700.87	1.25993	3.71E-02	3.79E-02	3.78E-02
1109	482602.38	3852700.87	1.11121	3.27E-02	3.34E-02	3.34E-02
1110	482652.38	3852700.87	1.00568	2.96E-02	3.02E-02	3.02E-02
1111	482702.38	3852700.87	0.9043	2.66E-02	2.72E-02	2.72E-02
1112	482452.38	3852750.87	2.17657	6.41E-02	6.54E-02	6.54E-02
1113	482521.29	3852749.74	1.61769	4.77E-02	4.86E-02	4.86E-02
1114	482571.29	3852749.74	1.37048	4.04E-02	4.12E-02	4.12E-02
1115	482521.29	3852799.74	1.95774	5.77E-02	5.89E-02	5.88E-02
1116	482571.29	3852799.74	1.60487	4.73E-02	4.83E-02	4.82E-02
1117	482621.29	3852799.74	1.36167	4.01E-02	4.09E-02	4.09E-02
1118	482571.29	3852849.74	1.93288	5.70E-02	5.81E-02	5.80E-02
1119	482621.29	3852849.74	1.58529	4.67E-02	4.77E-02	4.76E-02
1120	482577.42	3852901.55	2.37654	7.00E-02	7.15E-02	7.14E-02
1121	482627.42	3852901.55	1.86858	5.51E-02	5.62E-02	5.61E-02
1122	482629.96	3852955.85	2.31623	6.83E-02	6.96E-02	6.96E-02
1123	482679.96	3852955.85	1.80714	5.32E-02	5.43E-02	5.43E-02
1124	482781.63	3853034.48	1.46342	4.31E-02	4.40E-02	4.40E-02
1125	482831.63	3853034.48	1.22221	3.60E-02	3.67E-02	3.67E-02
1126	482881.63	3853034.48	1.0409	3.07E-02	3.13E-02	3.13E-02
1127	482781.63	3853084.48	1.61187	4.75E-02	4.85E-02	4.84E-02
1128	482831.63	3853084.48	1.32345	3.90E-02	3.98E-02	3.97E-02
1129	482881.63	3853084.48	1.12351	3.31E-02	3.38E-02	3.37E-02
1130	482781.63	3853134.48	1.80172	5.31E-02	5.42E-02	5.41E-02

1131	482831.63	3853134.48	1.44487	4.26E-02	4.34E-02	4.34E-02
1132	482881.63	3853134.48	1.21532	3.58E-02	3.65E-02	3.65E-02
1133	482831.63	3853184.48	1.60159	4.72E-02	4.82E-02	4.81E-02
1134	482881.63	3853184.48	1.31534	3.88E-02	3.95E-02	3.95E-02
1135	484154.84	3854250.98	0.0647	1.91E-03	1.95E-03	1.94E-03
1136	484204.84	3854250.98	0.06407	1.89E-03	1.93E-03	1.92E-03
1137	484154.84	3854300.98	0.06113	1.80E-03	1.84E-03	1.84E-03
1138	484204.84	3854300.98	0.06092	1.80E-03	1.83E-03	1.83E-03
1139	484074.19	3854519.8	0.05117	1.51E-03	1.54E-03	1.54E-03
1140	484124.19	3854519.8	0.05074	1.50E-03	1.53E-03	1.52E-03
1141	484074.19	3854569.8	0.04926	1.45E-03	1.48E-03	1.48E-03
1142	484124.19	3854569.8	0.04851	1.43E-03	1.46E-03	1.46E-03
1143	485205.11	3855188.89	0.04099	1.21E-03	1.23E-03	1.23E-03
1144	485255.11	3855188.89	0.04044	1.19E-03	1.22E-03	1.21E-03
1145	485205.11	3855238.89	0.04031	1.19E-03	1.21E-03	1.21E-03
1146	485255.11	3855238.89	0.04007	1.18E-03	1.20E-03	1.20E-03
1147	485205.11	3855288.89	0.04043	1.19E-03	1.22E-03	1.21E-03
1148	485255.11	3855288.89	0.04007	1.18E-03	1.20E-03	1.20E-03
1149	485255.11	3855338.89	0.03998	1.18E-03	1.20E-03	1.20E-03
1150	485305.11	3855338.89	0.03963	1.17E-03	1.19E-03	1.19E-03
1151	485852.5	3855635.28	0.03576	1.05E-03	1.08E-03	1.07E-03
1152	485902.5	3855635.28	0.03542	1.04E-03	1.07E-03	1.06E-03
1153	485852.5	3855685.28	0.03551	1.05E-03	1.07E-03	1.07E-03
1154	485902.5	3855685.28	0.03518	1.04E-03	1.06E-03	1.06E-03
1155	485852.5	3855735.28	0.03526	1.04E-03	1.06E-03	1.06E-03
1156	485902.5	3855735.28	0.03503	1.03E-03	1.05E-03	1.05E-03
1157	485852.5	3855785.28	0.03507	1.03E-03	1.05E-03	1.05E-03
1158	485902.5	3855785.28	0.03477	1.02E-03	1.05E-03	1.04E-03
1159	486809.46	3856465.28	0.03033	8.94E-04	9.12E-04	9.11E-04
1160	486859.46	3856465.28	0.03027	8.92E-04	9.10E-04	9.09E-04
1161	486909.46	3856465.28	0.03017	8.89E-04	9.07E-04	9.06E-04
1162	486809.46	3856515.28	0.03036	8.95E-04	9.13E-04	9.12E-04
1163	486859.46	3856515.28	0.03035	8.94E-04	9.13E-04	9.11E-04
1164	486909.46	3856515.28	0.03029	8.93E-04	9.11E-04	9.10E-04
1165	486980.94	3856357.95	0.03004	8.85E-04	9.03E-04	9.02E-04
1166	487030.94	3856357.95	0.03002	8.85E-04	9.03E-04	9.02E-04
1167	486980.94	3856407.95	0.03006	8.86E-04	9.04E-04	9.03E-04
1168	487030.94	3856407.95	0.03001	8.84E-04	9.02E-04	9.01E-04
1169	487447.18	3856437.45	0.03014	8.88E-04	9.06E-04	9.05E-04
1170	487497.18	3856437.45	0.03021	8.90E-04	9.08E-04	9.07E-04
1171	487547.18	3856437.45	0.03028	8.92E-04	9.10E-04	9.09E-04
1172	487447.18	3856487.45	0.0301	8.87E-04	9.05E-04	9.04E-04
1173	487497.18	3856487.45	0.03015	8.88E-04	9.07E-04	9.05E-04
1174	487547.18	3856487.45	0.03024	8.91E-04	9.09E-04	9.08E-04
1175	487447.18	3856537.45	0.03008	8.86E-04	9.04E-04	9.03E-04
1176	487497.18	3856537.45	0.03012	8.88E-04	9.06E-04	9.05E-04
1177	487547.18	3856537.45	0.03022	8.90E-04	9.09E-04	9.08E-04
1178	489285.89	3858826.54	0.39448	1.16E-02	1.19E-02	1.18E-02
1179	489335.89	3858826.54	0.38296	1.13E-02	1.15E-02	1.15E-02
1180	489385.89	3858826.54	0.37079	1.09E-02	1.11E-02	1.11E-02
1181	489435.89	3858826.54	0.35918	1.06E-02	1.08E-02	1.08E-02
1182	489485.89	3858826.54	0.34792	1.03E-02	1.05E-02	1.04E-02
1183	489535.89	3858826.54	0.33708	9.93E-03	1.01E-02	1.01E-02
1184	489585.89	3858826.54	0.32689	9.63E-03	9.83E-03	9.82E-03
1185	489635.89	3858826.54	0.31694	9.34E-03	9.53E-03	9.52E-03
1186	489685.89	3858826.54	0.30748	9.06E-03	9.25E-03	9.23E-03
1187	489735.89	3858826.54	0.2987	8.80E-03	8.98E-03	8.97E-03
1188	489785.89	3858826.54	0.29091	8.57E-03	8.75E-03	8.74E-03
1189	489835.89	3858826.54	0.28286	8.33E-03	8.51E-03	8.50E-03
1190	489885.89	3858826.54	0.27612	8.14E-03	8.30E-03	8.29E-03
1191	489935.89	3858826.54	0.26918	7.93E-03	8.09E-03	8.08E-03
1192	489985.89	3858826.54	0.262	7.72E-03	7.88E-03	7.87E-03
1193	490035.89	3858826.54	0.2523	7.43E-03	7.59E-03	7.58E-03

1194	489285.89	3858876.54	0.5619	1.66E-02	1.69E-02	1.69E-02
1195	489335.89	3858876.54	0.52746	1.55E-02	1.59E-02	1.58E-02
1196	489385.89	3858876.54	0.49752	1.47E-02	1.50E-02	1.49E-02
1197	489435.89	3858876.54	0.47103	1.39E-02	1.42E-02	1.41E-02
1198	489485.89	3858876.54	0.44755	1.32E-02	1.35E-02	1.34E-02
1199	489535.89	3858876.54	0.42624	1.26E-02	1.28E-02	1.28E-02
1200	489585.89	3858876.54	0.40664	1.20E-02	1.22E-02	1.22E-02
1201	489635.89	3858876.54	0.38965	1.15E-02	1.17E-02	1.17E-02
1202	489685.89	3858876.54	0.37396	1.10E-02	1.12E-02	1.12E-02
1203	489735.89	3858876.54	0.35941	1.06E-02	1.08E-02	1.08E-02
1204	489785.89	3858876.54	0.3469	1.02E-02	1.04E-02	1.04E-02
1205	489835.89	3858876.54	0.33492	9.87E-03	1.01E-02	1.01E-02
1206	489885.89	3858876.54	0.32488	9.57E-03	9.77E-03	9.76E-03
1207	489935.89	3858876.54	0.31435	9.26E-03	9.45E-03	9.44E-03
1208	489985.89	3858876.54	0.30353	8.94E-03	9.13E-03	9.12E-03
1209	490035.89	3858876.54	0.29165	8.59E-03	8.77E-03	8.76E-03
1210	489285.89	3858926.54	0.78811	2.32E-02	2.37E-02	2.37E-02
1211	489335.89	3858926.54	0.71718	2.11E-02	2.16E-02	2.15E-02
1212	489385.89	3858926.54	0.65859	1.94E-02	1.98E-02	1.98E-02
1213	489435.89	3858926.54	0.61031	1.80E-02	1.84E-02	1.83E-02
1214	489485.89	3858926.54	0.56925	1.68E-02	1.71E-02	1.71E-02
1215	489535.89	3858926.54	0.53394	1.57E-02	1.61E-02	1.60E-02
1216	489585.89	3858926.54	0.50292	1.48E-02	1.51E-02	1.51E-02
1217	489635.89	3858926.54	0.47578	1.40E-02	1.43E-02	1.43E-02
1218	489685.89	3858926.54	0.45147	1.33E-02	1.36E-02	1.36E-02
1219	489735.89	3858926.54	0.43057	1.27E-02	1.29E-02	1.29E-02
1220	489785.89	3858926.54	0.41176	1.21E-02	1.24E-02	1.24E-02
1221	489835.89	3858926.54	0.39426	1.16E-02	1.19E-02	1.18E-02
1222	489885.89	3858926.54	0.37936	1.12E-02	1.14E-02	1.14E-02
1223	489935.89	3858926.54	0.36512	1.08E-02	1.10E-02	1.10E-02
1224	489985.89	3858926.54	0.35121	1.03E-02	1.06E-02	1.05E-02
1225	490035.89	3858926.54	0.33336	9.82E-03	1.00E-02	1.00E-02
1226	489335.89	3858976.54	0.95987	2.83E-02	2.89E-02	2.88E-02
1227	489385.89	3858976.54	0.86099	2.54E-02	2.59E-02	2.59E-02
1228	489435.89	3858976.54	0.78283	2.31E-02	2.35E-02	2.35E-02
1229	489485.89	3858976.54	0.71756	2.11E-02	2.16E-02	2.16E-02
1230	489535.89	3858976.54	0.66276	1.95E-02	1.99E-02	1.99E-02
1231	489585.89	3858976.54	0.61737	1.82E-02	1.86E-02	1.85E-02
1232	489635.89	3858976.54	0.57777	1.70E-02	1.74E-02	1.74E-02
1233	489685.89	3858976.54	0.54279	1.60E-02	1.63E-02	1.63E-02
1234	489735.89	3858976.54	0.51288	1.51E-02	1.54E-02	1.54E-02
1235	489785.89	3858976.54	0.48699	1.43E-02	1.46E-02	1.46E-02
1236	489835.89	3858976.54	0.46363	1.37E-02	1.39E-02	1.39E-02
1237	489885.89	3858976.54	0.44103	1.30E-02	1.33E-02	1.32E-02
1238	489935.89	3858976.54	0.42165	1.24E-02	1.27E-02	1.27E-02
1239	489985.89	3858976.54	0.40379	1.19E-02	1.21E-02	1.21E-02
1240	490035.89	3858976.54	0.37611	1.11E-02	1.13E-02	1.13E-02
1241	489385.89	3859026.54	1.12152	3.30E-02	3.37E-02	3.37E-02
1242	489435.89	3859026.54	0.99846	2.94E-02	3.00E-02	3.00E-02
1243	489485.89	3859026.54	0.90043	2.65E-02	2.71E-02	2.70E-02
1244	489535.89	3859026.54	0.82095	2.42E-02	2.47E-02	2.47E-02
1245	489585.89	3859026.54	0.75429	2.22E-02	2.27E-02	2.27E-02
1246	489635.89	3859026.54	0.69903	2.06E-02	2.10E-02	2.10E-02
1247	489685.89	3859026.54	0.65153	1.92E-02	1.96E-02	1.96E-02
1248	489735.89	3859026.54	0.6109	1.80E-02	1.84E-02	1.83E-02
1249	489785.89	3859026.54	0.57503	1.69E-02	1.73E-02	1.73E-02
1250	489835.89	3859026.54	0.5421	1.60E-02	1.63E-02	1.63E-02
1251	489885.89	3859026.54	0.51312	1.51E-02	1.54E-02	1.54E-02
1252	489935.89	3859026.54	0.48672	1.43E-02	1.46E-02	1.46E-02
1253	489985.89	3859026.54	0.46276	1.36E-02	1.39E-02	1.39E-02
1254	490035.89	3859026.54	0.4264	1.26E-02	1.28E-02	1.28E-02
1255	489485.89	3859076.54	1.13915	3.36E-02	3.43E-02	3.42E-02
1256	489535.89	3859076.54	1.02176	3.01E-02	3.07E-02	3.07E-02

1257	489585.89	3859076.54	0.92658	2.73E-02	2.79E-02	2.78E-02
1258	489635.89	3859076.54	0.84936	2.50E-02	2.55E-02	2.55E-02
1259	489685.89	3859076.54	0.78407	2.31E-02	2.36E-02	2.35E-02
1260	489735.89	3859076.54	0.72822	2.15E-02	2.19E-02	2.19E-02
1261	489785.89	3859076.54	0.67983	2.00E-02	2.04E-02	2.04E-02
1262	489835.89	3859076.54	0.63651	1.88E-02	1.91E-02	1.91E-02
1263	489885.89	3859076.54	0.59816	1.76E-02	1.80E-02	1.80E-02
1264	489935.89	3859076.54	0.56461	1.66E-02	1.70E-02	1.70E-02
1265	489985.89	3859076.54	0.53264	1.57E-02	1.60E-02	1.60E-02
1266	490035.89	3859076.54	0.49014	1.44E-02	1.47E-02	1.47E-02
1267	489585.89	3859126.54	1.15788	3.41E-02	3.48E-02	3.48E-02
1268	489635.89	3859126.54	1.0447	3.08E-02	3.14E-02	3.14E-02
1269	489685.89	3859126.54	0.95123	2.80E-02	2.86E-02	2.86E-02
1270	489735.89	3859126.54	0.87335	2.57E-02	2.63E-02	2.62E-02
1271	489785.89	3859126.54	0.80759	2.38E-02	2.43E-02	2.43E-02
1272	489835.89	3859126.54	0.74985	2.21E-02	2.25E-02	2.25E-02
1273	489885.89	3859126.54	0.69859	2.06E-02	2.10E-02	2.10E-02
1274	489935.89	3859126.54	0.65496	1.93E-02	1.97E-02	1.97E-02
1275	489985.89	3859126.54	0.61061	1.80E-02	1.84E-02	1.83E-02
1276	490035.89	3859126.54	0.56525	1.67E-02	1.70E-02	1.70E-02
1277	489585.89	3859176.54	1.4915	4.39E-02	4.48E-02	4.48E-02
1278	489635.89	3859176.54	1.31369	3.87E-02	3.95E-02	3.95E-02
1279	489685.89	3859176.54	1.17463	3.46E-02	3.53E-02	3.53E-02
1280	489735.89	3859176.54	1.06249	3.13E-02	3.19E-02	3.19E-02
1281	489785.89	3859176.54	0.96857	2.85E-02	2.91E-02	2.91E-02
1282	489835.89	3859176.54	0.89026	2.62E-02	2.68E-02	2.67E-02
1283	489885.89	3859176.54	0.82231	2.42E-02	2.47E-02	2.47E-02
1284	489935.89	3859176.54	0.76411	2.25E-02	2.30E-02	2.29E-02
1285	489985.89	3859176.54	0.7071	2.08E-02	2.13E-02	2.12E-02
1286	490035.89	3859176.54	0.66317	1.95E-02	1.99E-02	1.99E-02
1287	489685.89	3859226.54	1.49422	4.40E-02	4.49E-02	4.49E-02
1288	489735.89	3859226.54	1.32133	3.89E-02	3.97E-02	3.97E-02
1289	489785.89	3859226.54	1.18344	3.49E-02	3.56E-02	3.55E-02
1290	489835.89	3859226.54	1.07015	3.15E-02	3.22E-02	3.21E-02
1291	489885.89	3859226.54	0.97702	2.88E-02	2.94E-02	2.93E-02
1292	489935.89	3859226.54	0.89818	2.65E-02	2.70E-02	2.70E-02
1293	489985.89	3859226.54	0.81989	2.42E-02	2.47E-02	2.46E-02
1294	490035.89	3859226.54	0.7648	2.25E-02	2.30E-02	2.30E-02
1295	489735.89	3859276.54	1.71188	5.04E-02	5.15E-02	5.14E-02
1296	489785.89	3859276.54	1.49067	4.39E-02	4.48E-02	4.48E-02
1297	489835.89	3859276.54	1.31855	3.89E-02	3.96E-02	3.96E-02
1298	489885.89	3859276.54	1.18368	3.49E-02	3.56E-02	3.55E-02
1299	489935.89	3859276.54	1.07092	3.16E-02	3.22E-02	3.22E-02
1300	489985.89	3859276.54	0.96166	2.83E-02	2.89E-02	2.89E-02
1301	490035.89	3859276.54	0.89603	2.64E-02	2.69E-02	2.69E-02
1302	490458.06	3859590.74	1.51467	4.46E-02	4.55E-02	4.55E-02
1303	490508.06	3859590.74	1.35381	3.99E-02	4.07E-02	4.07E-02
1304	490558.06	3859590.74	1.20145	3.54E-02	3.61E-02	3.61E-02
1305	490608.06	3859590.74	1.08122	3.19E-02	3.25E-02	3.25E-02
1306	490658.06	3859590.74	0.97838	2.88E-02	2.94E-02	2.94E-02
1307	490708.06	3859590.74	0.88969	2.62E-02	2.68E-02	2.67E-02
1308	490758.06	3859590.74	0.80736	2.38E-02	2.43E-02	2.42E-02
1309	490808.06	3859590.74	0.74383	2.19E-02	2.24E-02	2.23E-02
1310	490858.06	3859590.74	0.68458	2.02E-02	2.06E-02	2.06E-02
1311	490458.06	3859640.74	2.11538	6.23E-02	6.36E-02	6.35E-02
1312	490508.06	3859640.74	1.83492	5.41E-02	5.52E-02	5.51E-02
1313	490558.06	3859640.74	1.60955	4.74E-02	4.84E-02	4.83E-02
1314	490608.06	3859640.74	1.40595	4.14E-02	4.23E-02	4.22E-02
1315	490658.06	3859640.74	1.22488	3.61E-02	3.68E-02	3.68E-02
1316	490708.06	3859640.74	1.09482	3.23E-02	3.29E-02	3.29E-02
1317	490758.06	3859640.74	0.98121	2.89E-02	2.95E-02	2.95E-02
1318	490808.06	3859640.74	0.89955	2.65E-02	2.70E-02	2.70E-02
1319	490858.06	3859640.74	0.82893	2.44E-02	2.49E-02	2.49E-02

1320	490608.06	3859690.74	1.95475	5.76E-02	5.88E-02	5.87E-02
1321	490658.06	3859690.74	1.64002	4.83E-02	4.93E-02	4.93E-02
1322	490708.06	3859690.74	1.41539	4.17E-02	4.26E-02	4.25E-02
1323	490758.06	3859690.74	1.23642	3.64E-02	3.72E-02	3.71E-02
1324	490808.06	3859690.74	1.10753	3.26E-02	3.33E-02	3.33E-02
1325	490858.06	3859690.74	1.02705	3.03E-02	3.09E-02	3.08E-02
1326	490708.06	3859740.74	2.04934	6.04E-02	6.16E-02	6.15E-02
1327	490758.06	3859740.74	1.74788	5.15E-02	5.26E-02	5.25E-02
1328	490808.06	3859740.74	1.5102	4.45E-02	4.54E-02	4.54E-02
1329	490858.06	3859740.74	1.34405	3.96E-02	4.04E-02	4.04E-02
1330	490786.56	3859749.39	1.72202	5.07E-02	5.18E-02	5.17E-02
1331	490836.56	3859749.39	1.48747	4.38E-02	4.47E-02	4.47E-02
1332	490786.56	3859799.39	2.69929	7.95E-02	8.12E-02	8.11E-02
1333	490836.56	3859799.39	2.21885	6.54E-02	6.67E-02	6.66E-02
1334	492307.84	3854508.36	0.03334	9.82E-04	1.00E-03	1.00E-03
1335	486445.7	3854753.6	0.04155	1.22E-03	1.25E-03	1.25E-03
1336	472599.75	3877830.11	0.00267	7.87E-05	8.03E-05	8.02E-05
1337	493107.48	3866840.19	0.00686	2.02E-04	2.06E-04	2.06E-04
1338	495815.79	3861662.87	0.04225	1.24E-03	1.27E-03	1.27E-03
1339	480272.33	3841389.2	0.00152	4.48E-05	4.57E-05	4.56E-05
1340	497005.18	3862813.64	0.02362	6.96E-04	7.10E-04	7.09E-04
1341	493677.33	3860302.55	0.1797	5.30E-03	5.40E-03	5.40E-03
1342	493727.33	3860302.55	0.17505	5.16E-03	5.26E-03	5.26E-03
1343	493777.33	3860302.55	0.17046	5.02E-03	5.13E-03	5.12E-03
1344	493827.33	3860302.55	0.16612	4.89E-03	4.99E-03	4.99E-03
1345	493877.33	3860302.55	0.16222	4.78E-03	4.88E-03	4.87E-03
1346	493927.33	3860302.55	0.15854	4.67E-03	4.77E-03	4.76E-03
1347	493977.33	3860302.55	0.15385	4.53E-03	4.63E-03	4.62E-03
1348	494027.33	3860302.55	0.14983	4.41E-03	4.51E-03	4.50E-03
1349	493677.33	3860352.55	0.17715	5.22E-03	5.33E-03	5.32E-03
1350	493727.33	3860352.55	0.17272	5.09E-03	5.19E-03	5.19E-03
1351	493777.33	3860352.55	0.16846	4.96E-03	5.07E-03	5.06E-03
1352	493827.33	3860352.55	0.16436	4.84E-03	4.94E-03	4.94E-03
1353	493877.33	3860352.55	0.16025	4.72E-03	4.82E-03	4.81E-03
1354	493927.33	3860352.55	0.15619	4.60E-03	4.70E-03	4.69E-03
1355	493977.33	3860352.55	0.15204	4.48E-03	4.57E-03	4.57E-03
1356	494027.33	3860352.55	0.14859	4.38E-03	4.47E-03	4.46E-03
1357	493677.33	3860402.55	0.17413	5.13E-03	5.24E-03	5.23E-03
1358	493727.33	3860402.55	0.16976	5.00E-03	5.10E-03	5.10E-03
1359	493777.33	3860402.55	0.16504	4.86E-03	4.96E-03	4.96E-03
1360	493827.33	3860402.55	0.16127	4.75E-03	4.85E-03	4.84E-03
1361	493877.33	3860402.55	0.15746	4.64E-03	4.73E-03	4.73E-03
1362	493927.33	3860402.55	0.15341	4.52E-03	4.61E-03	4.61E-03
1363	493977.33	3860402.55	0.14947	4.40E-03	4.49E-03	4.49E-03
1364	494027.33	3860402.55	0.14625	4.31E-03	4.40E-03	4.39E-03
1365	493677.33	3860452.55	0.16996	5.01E-03	5.11E-03	5.10E-03
1366	493727.33	3860452.55	0.16605	4.89E-03	4.99E-03	4.99E-03
1367	493777.33	3860452.55	0.16197	4.77E-03	4.87E-03	4.86E-03
1368	493827.33	3860452.55	0.15786	4.65E-03	4.75E-03	4.74E-03
1369	493877.33	3860452.55	0.15397	4.54E-03	4.63E-03	4.62E-03
1370	493927.33	3860452.55	0.1499	4.42E-03	4.51E-03	4.50E-03
1371	493977.33	3860452.55	0.14653	4.32E-03	4.41E-03	4.40E-03
1372	494027.33	3860452.55	0.1433	4.22E-03	4.31E-03	4.30E-03
1373	493677.33	3860502.55	0.16523	4.87E-03	4.97E-03	4.96E-03
1374	493727.33	3860502.55	0.16131	4.75E-03	4.85E-03	4.84E-03
1375	493777.33	3860502.55	0.15745	4.64E-03	4.73E-03	4.73E-03
1376	493827.33	3860502.55	0.15376	4.53E-03	4.62E-03	4.62E-03
1377	493877.33	3860502.55	0.15011	4.42E-03	4.51E-03	4.51E-03
1378	493927.33	3860502.55	0.14644	4.32E-03	4.40E-03	4.40E-03
1379	493977.33	3860502.55	0.14327	4.22E-03	4.31E-03	4.30E-03
1380	494027.33	3860502.55	0.14013	4.13E-03	4.21E-03	4.21E-03
1381	493627.33	3860552.55	0.16385	4.83E-03	4.93E-03	4.92E-03
1382	493677.33	3860552.55	0.15985	4.71E-03	4.81E-03	4.80E-03

1383	493727.33	3860552.55	0.15605	4.60E-03	4.69E-03	4.69E-03
1384	493777.33	3860552.55	0.15245	4.49E-03	4.58E-03	4.58E-03
1385	493827.33	3860552.55	0.14903	4.39E-03	4.48E-03	4.48E-03
1386	493877.33	3860552.55	0.14573	4.29E-03	4.38E-03	4.38E-03
1387	493927.33	3860552.55	0.14251	4.20E-03	4.28E-03	4.28E-03
1388	493977.33	3860552.55	0.13937	4.11E-03	4.19E-03	4.19E-03
1389	494027.33	3860552.55	0.13646	4.02E-03	4.10E-03	4.10E-03
1390	493627.33	3860602.55	0.15762	4.64E-03	4.74E-03	4.73E-03
1391	493727.33	3860602.55	0.14997	4.42E-03	4.51E-03	4.50E-03
1392	493777.33	3860602.55	0.14689	4.33E-03	4.42E-03	4.41E-03
1393	493827.33	3860602.55	0.14374	4.24E-03	4.32E-03	4.32E-03
1394	493877.33	3860602.55	0.14087	4.15E-03	4.24E-03	4.23E-03
1395	493927.33	3860602.55	0.13793	4.06E-03	4.15E-03	4.14E-03
1396	493977.33	3860602.55	0.13511	3.98E-03	4.06E-03	4.06E-03
1397	494027.33	3860602.55	0.13239	3.90E-03	3.98E-03	3.98E-03
1398	493627.33	3860652.55	0.15092	4.45E-03	4.54E-03	4.53E-03
1399	493727.33	3860652.55	0.14384	4.24E-03	4.32E-03	4.32E-03
1400	493777.33	3860652.55	0.1409	4.15E-03	4.24E-03	4.23E-03
1401	493827.33	3860652.55	0.13822	4.07E-03	4.16E-03	4.15E-03
1402	493877.33	3860652.55	0.13557	3.99E-03	4.08E-03	4.07E-03
1403	493927.33	3860652.55	0.13295	3.92E-03	4.00E-03	3.99E-03
1404	493977.33	3860652.55	0.13035	3.84E-03	3.92E-03	3.91E-03
1405	494027.33	3860652.55	0.12799	3.77E-03	3.85E-03	3.84E-03
1406	494311.06	3858401.99	0.03305	9.74E-04	9.94E-04	9.93E-04
1407	494361.06	3858401.99	0.03267	9.63E-04	9.82E-04	9.81E-04
1408	494411.06	3858401.99	0.03243	9.56E-04	9.75E-04	9.74E-04
1409	494461.06	3858401.99	0.03236	9.54E-04	9.73E-04	9.72E-04
1410	494511.06	3858401.99	0.0321	9.46E-04	9.65E-04	9.64E-04
1411	494561.06	3858401.99	0.03201	9.43E-04	9.62E-04	9.61E-04
1412	494611.06	3858401.99	0.03172	9.35E-04	9.54E-04	9.53E-04
1413	494661.06	3858401.99	0.03149	9.28E-04	9.47E-04	9.46E-04
1414	494711.06	3858401.99	0.0311	9.16E-04	9.35E-04	9.34E-04
1415	494761.06	3858401.99	0.03093	9.11E-04	9.30E-04	9.29E-04
1416	494811.06	3858401.99	0.03063	9.03E-04	9.21E-04	9.20E-04
1417	494861.06	3858401.99	0.03037	8.95E-04	9.13E-04	9.12E-04
1418	494911.06	3858401.99	0.03011	8.87E-04	9.05E-04	9.04E-04
1419	494961.06	3858401.99	0.02982	8.79E-04	8.97E-04	8.96E-04
1420	495011.06	3858401.99	0.02944	8.67E-04	8.85E-04	8.84E-04
1421	495061.06	3858401.99	0.02915	8.59E-04	8.76E-04	8.75E-04
1422	495111.06	3858401.99	0.02857	8.42E-04	8.59E-04	8.58E-04
1423	495161.06	3858401.99	0.02848	8.39E-04	8.56E-04	8.55E-04
1424	495211.06	3858401.99	0.02796	8.24E-04	8.41E-04	8.40E-04
1425	495261.06	3858401.99	0.02769	8.16E-04	8.33E-04	8.32E-04
1426	495311.06	3858401.99	0.0274	8.07E-04	8.24E-04	8.23E-04
1427	495361.06	3858401.99	0.0272	8.01E-04	8.18E-04	8.17E-04
1428	495411.06	3858401.99	0.02709	7.98E-04	8.15E-04	8.14E-04
1429	495461.06	3858401.99	0.02701	7.96E-04	8.12E-04	8.11E-04
1430	495511.06	3858401.99	0.0269	7.93E-04	8.09E-04	8.08E-04
1431	495561.06	3858401.99	0.02656	7.83E-04	7.99E-04	7.98E-04
1432	495611.06	3858401.99	0.02645	7.79E-04	7.95E-04	7.94E-04
1433	495661.06	3858401.99	0.02665	7.85E-04	8.01E-04	8.00E-04
1434	494311.06	3858451.99	0.03486	1.03E-03	1.05E-03	1.05E-03
1435	494361.06	3858451.99	0.03454	1.02E-03	1.04E-03	1.04E-03
1436	494411.06	3858451.99	0.03429	1.01E-03	1.03E-03	1.03E-03
1437	494461.06	3858451.99	0.03407	1.00E-03	1.02E-03	1.02E-03
1438	494511.06	3858451.99	0.03396	1.00E-03	1.02E-03	1.02E-03
1439	494561.06	3858451.99	0.03365	9.92E-04	1.01E-03	1.01E-03
1440	494611.06	3858451.99	0.03342	9.85E-04	1.00E-03	1.00E-03
1441	494661.06	3858451.99	0.03318	9.78E-04	9.98E-04	9.96E-04
1442	494711.06	3858451.99	0.03283	9.67E-04	9.87E-04	9.86E-04
1443	494761.06	3858451.99	0.03247	9.57E-04	9.76E-04	9.75E-04
1444	494811.06	3858451.99	0.03219	9.49E-04	9.68E-04	9.67E-04
1445	494861.06	3858451.99	0.03186	9.39E-04	9.58E-04	9.57E-04

1446	494911.06	3858451.99	0.03139	9.25E-04	9.44E-04	9.43E-04
1447	494961.06	3858451.99	0.03109	9.16E-04	9.35E-04	9.34E-04
1448	495011.06	3858451.99	0.03066	9.03E-04	9.22E-04	9.21E-04
1449	495061.06	3858451.99	0.03047	8.98E-04	9.16E-04	9.15E-04
1450	495111.06	3858451.99	0.03005	8.85E-04	9.04E-04	9.02E-04
1451	495161.06	3858451.99	0.02957	8.71E-04	8.89E-04	8.88E-04
1452	495211.06	3858451.99	0.02914	8.59E-04	8.76E-04	8.75E-04
1453	495261.06	3858451.99	0.02885	8.50E-04	8.67E-04	8.66E-04
1454	495311.06	3858451.99	0.02862	8.43E-04	8.61E-04	8.60E-04
1455	495361.06	3858451.99	0.02842	8.37E-04	8.55E-04	8.54E-04
1456	495411.06	3858451.99	0.02832	8.34E-04	8.52E-04	8.51E-04
1457	495461.06	3858451.99	0.02825	8.32E-04	8.49E-04	8.48E-04
1458	495511.06	3858451.99	0.028	8.25E-04	8.42E-04	8.41E-04
1459	495561.06	3858451.99	0.02802	8.26E-04	8.43E-04	8.42E-04
1460	495611.06	3858451.99	0.02772	8.17E-04	8.33E-04	8.33E-04
1461	495661.06	3858451.99	0.02767	8.15E-04	8.32E-04	8.31E-04
1462	494311.06	3858501.99	0.03627	1.07E-03	1.09E-03	1.09E-03
1463	494361.06	3858501.99	0.03607	1.06E-03	1.08E-03	1.08E-03
1464	494411.06	3858501.99	0.03582	1.06E-03	1.08E-03	1.08E-03
1465	494461.06	3858501.99	0.03569	1.05E-03	1.07E-03	1.07E-03
1466	494511.06	3858501.99	0.03532	1.04E-03	1.06E-03	1.06E-03
1467	494561.06	3858501.99	0.03541	1.04E-03	1.06E-03	1.06E-03
1468	494611.06	3858501.99	0.0351	1.03E-03	1.06E-03	1.05E-03
1469	494661.06	3858501.99	0.03491	1.03E-03	1.05E-03	1.05E-03
1470	494711.06	3858501.99	0.03453	1.02E-03	1.04E-03	1.04E-03
1471	494761.06	3858501.99	0.03409	1.00E-03	1.03E-03	1.02E-03
1472	494811.06	3858501.99	0.03368	9.92E-04	1.01E-03	1.01E-03
1473	494861.06	3858501.99	0.0334	9.84E-04	1.00E-03	1.00E-03
1474	494911.06	3858501.99	0.03282	9.67E-04	9.87E-04	9.86E-04
1475	494961.06	3858501.99	0.03253	9.59E-04	9.78E-04	9.77E-04
1476	495011.06	3858501.99	0.03202	9.44E-04	9.63E-04	9.62E-04
1477	495061.06	3858501.99	0.03182	9.38E-04	9.57E-04	9.56E-04
1478	495111.06	3858501.99	0.03117	9.18E-04	9.37E-04	9.36E-04
1479	495161.06	3858501.99	0.03076	9.06E-04	9.25E-04	9.24E-04
1480	495211.06	3858501.99	0.03036	8.95E-04	9.13E-04	9.12E-04
1481	495261.06	3858501.99	0.03007	8.86E-04	9.04E-04	9.03E-04
1482	495311.06	3858501.99	0.02989	8.81E-04	8.99E-04	8.98E-04
1483	495361.06	3858501.99	0.02973	8.76E-04	8.94E-04	8.93E-04
1484	495411.06	3858501.99	0.02961	8.72E-04	8.90E-04	8.89E-04
1485	495461.06	3858501.99	0.0295	8.69E-04	8.87E-04	8.86E-04
1486	495511.06	3858501.99	0.02932	8.64E-04	8.82E-04	8.81E-04
1487	495561.06	3858501.99	0.02932	8.64E-04	8.82E-04	8.81E-04
1488	495611.06	3858501.99	0.02893	8.52E-04	8.70E-04	8.69E-04
1489	495661.06	3858501.99	0.02899	8.54E-04	8.72E-04	8.71E-04
1490	494311.06	3858551.99	0.03697	1.09E-03	1.11E-03	1.11E-03
1491	494361.06	3858551.99	0.0372	1.10E-03	1.12E-03	1.12E-03
1492	494411.06	3858551.99	0.03762	1.11E-03	1.13E-03	1.13E-03
1493	494461.06	3858551.99	0.03758	1.11E-03	1.13E-03	1.13E-03
1494	494511.06	3858551.99	0.03738	1.10E-03	1.12E-03	1.12E-03
1495	494561.06	3858551.99	0.03723	1.10E-03	1.12E-03	1.12E-03
1496	494611.06	3858551.99	0.03697	1.09E-03	1.11E-03	1.11E-03
1497	494661.06	3858551.99	0.03674	1.08E-03	1.10E-03	1.10E-03
1498	494711.06	3858551.99	0.03628	1.07E-03	1.09E-03	1.09E-03
1499	494761.06	3858551.99	0.03582	1.06E-03	1.08E-03	1.08E-03
1500	494811.06	3858551.99	0.03547	1.05E-03	1.07E-03	1.07E-03
1501	494861.06	3858551.99	0.035	1.03E-03	1.05E-03	1.05E-03
1502	494911.06	3858551.99	0.03446	1.02E-03	1.04E-03	1.03E-03
1503	494961.06	3858551.99	0.03403	1.00E-03	1.02E-03	1.02E-03
1504	495011.06	3858551.99	0.03348	9.87E-04	1.01E-03	1.01E-03
1505	495061.06	3858551.99	0.03314	9.77E-04	9.96E-04	9.95E-04
1506	495111.06	3858551.99	0.03247	9.57E-04	9.76E-04	9.75E-04
1507	495161.06	3858551.99	0.03204	9.44E-04	9.63E-04	9.62E-04
1508	495211.06	3858551.99	0.03165	9.33E-04	9.52E-04	9.51E-04

1509	495261.06	3858551.99	0.03137	9.24E-04	9.43E-04	9.42E-04
1510	495311.06	3858551.99	0.03123	9.20E-04	9.39E-04	9.38E-04
1511	495361.06	3858551.99	0.03105	9.15E-04	9.34E-04	9.33E-04
1512	495411.06	3858551.99	0.03096	9.12E-04	9.31E-04	9.30E-04
1513	495461.06	3858551.99	0.03081	9.08E-04	9.26E-04	9.25E-04
1514	495511.06	3858551.99	0.03072	9.05E-04	9.24E-04	9.23E-04
1515	495561.06	3858551.99	0.03056	9.00E-04	9.19E-04	9.18E-04
1516	495611.06	3858551.99	0.03037	8.95E-04	9.13E-04	9.12E-04
1517	495661.06	3858551.99	0.03015	8.88E-04	9.07E-04	9.05E-04
1518	494311.06	3858601.99	0.03707	1.09E-03	1.11E-03	1.11E-03
1519	494361.06	3858601.99	0.03837	1.13E-03	1.15E-03	1.15E-03
1520	494411.06	3858601.99	0.03968	1.17E-03	1.19E-03	1.19E-03
1521	494461.06	3858601.99	0.03961	1.17E-03	1.19E-03	1.19E-03
1522	494511.06	3858601.99	0.03913	1.15E-03	1.18E-03	1.18E-03
1523	494561.06	3858601.99	0.03928	1.16E-03	1.18E-03	1.18E-03
1524	494611.06	3858601.99	0.03889	1.15E-03	1.17E-03	1.17E-03
1525	494661.06	3858601.99	0.0386	1.14E-03	1.16E-03	1.16E-03
1526	494711.06	3858601.99	0.03814	1.12E-03	1.15E-03	1.15E-03
1527	494761.06	3858601.99	0.03768	1.11E-03	1.13E-03	1.13E-03
1528	494811.06	3858601.99	0.03698	1.09E-03	1.11E-03	1.11E-03
1529	494861.06	3858601.99	0.03661	1.08E-03	1.10E-03	1.10E-03
1530	494911.06	3858601.99	0.03596	1.06E-03	1.08E-03	1.08E-03
1531	494961.06	3858601.99	0.03549	1.05E-03	1.07E-03	1.07E-03
1532	495011.06	3858601.99	0.03501	1.03E-03	1.05E-03	1.05E-03
1533	495061.06	3858601.99	0.0345	1.02E-03	1.04E-03	1.04E-03
1534	495111.06	3858601.99	0.03376	9.95E-04	1.02E-03	1.01E-03
1535	495161.06	3858601.99	0.03335	9.83E-04	1.00E-03	1.00E-03
1536	495211.06	3858601.99	0.03308	9.75E-04	9.95E-04	9.93E-04
1537	495261.06	3858601.99	0.03277	9.66E-04	9.85E-04	9.84E-04
1538	495311.06	3858601.99	0.03254	9.59E-04	9.78E-04	9.77E-04
1539	495361.06	3858601.99	0.03239	9.54E-04	9.74E-04	9.73E-04
1540	495411.06	3858601.99	0.03225	9.50E-04	9.70E-04	9.69E-04
1541	495461.06	3858601.99	0.03213	9.47E-04	9.66E-04	9.65E-04
1542	495511.06	3858601.99	0.03187	9.39E-04	9.58E-04	9.57E-04
1543	495561.06	3858601.99	0.0318	9.37E-04	9.56E-04	9.55E-04
1544	495611.06	3858601.99	0.0315	9.28E-04	9.47E-04	9.46E-04
1545	495661.06	3858601.99	0.03139	9.25E-04	9.44E-04	9.43E-04
1546	494311.06	3858651.99	0.0382	1.13E-03	1.15E-03	1.15E-03
1547	494361.06	3858651.99	0.03948	1.16E-03	1.19E-03	1.19E-03
1548	494411.06	3858651.99	0.04121	1.21E-03	1.24E-03	1.24E-03
1549	494461.06	3858651.99	0.04162	1.23E-03	1.25E-03	1.25E-03
1550	494511.06	3858651.99	0.04137	1.22E-03	1.24E-03	1.24E-03
1551	494561.06	3858651.99	0.04121	1.21E-03	1.24E-03	1.24E-03
1552	494611.06	3858651.99	0.04096	1.21E-03	1.23E-03	1.23E-03
1553	494661.06	3858651.99	0.04055	1.19E-03	1.22E-03	1.22E-03
1554	494711.06	3858651.99	0.03999	1.18E-03	1.20E-03	1.20E-03
1555	494761.06	3858651.99	0.03954	1.17E-03	1.19E-03	1.19E-03
1556	494811.06	3858651.99	0.03888	1.15E-03	1.17E-03	1.17E-03
1557	494861.06	3858651.99	0.03827	1.13E-03	1.15E-03	1.15E-03
1558	494911.06	3858651.99	0.0376	1.11E-03	1.13E-03	1.13E-03
1559	494961.06	3858651.99	0.03699	1.09E-03	1.11E-03	1.11E-03
1560	495011.06	3858651.99	0.03651	1.08E-03	1.10E-03	1.10E-03
1561	495061.06	3858651.99	0.03596	1.06E-03	1.08E-03	1.08E-03
1562	495111.06	3858651.99	0.03533	1.04E-03	1.06E-03	1.06E-03
1563	495161.06	3858651.99	0.03492	1.03E-03	1.05E-03	1.05E-03
1564	495211.06	3858651.99	0.03443	1.01E-03	1.04E-03	1.03E-03
1565	495261.06	3858651.99	0.03427	1.01E-03	1.03E-03	1.03E-03
1566	495311.06	3858651.99	0.03401	1.00E-03	1.02E-03	1.02E-03
1567	495361.06	3858651.99	0.03384	9.97E-04	1.02E-03	1.02E-03
1568	495411.06	3858651.99	0.03371	9.93E-04	1.01E-03	1.01E-03
1569	495461.06	3858651.99	0.03365	9.92E-04	1.01E-03	1.01E-03
1570	495511.06	3858651.99	0.03334	9.82E-04	1.00E-03	1.00E-03
1571	495561.06	3858651.99	0.0331	9.75E-04	9.95E-04	9.94E-04

1572	495611.06	3858651.99	0.03274	9.65E-04	9.84E-04	9.83E-04
1573	495661.06	3858651.99	0.03261	9.61E-04	9.81E-04	9.79E-04
1574	494311.06	3858701.99	0.04009	1.18E-03	1.21E-03	1.20E-03
1575	494361.06	3858701.99	0.042	1.24E-03	1.26E-03	1.26E-03
1576	494411.06	3858701.99	0.04326	1.27E-03	1.30E-03	1.30E-03
1577	494461.06	3858701.99	0.04325	1.27E-03	1.30E-03	1.30E-03
1578	494511.06	3858701.99	0.04346	1.28E-03	1.31E-03	1.31E-03
1579	494561.06	3858701.99	0.0432	1.27E-03	1.30E-03	1.30E-03
1580	494611.06	3858701.99	0.04248	1.25E-03	1.28E-03	1.28E-03
1581	494661.06	3858701.99	0.04241	1.25E-03	1.28E-03	1.27E-03
1582	494711.06	3858701.99	0.04089	1.20E-03	1.23E-03	1.23E-03
1583	494761.06	3858701.99	0.04116	1.21E-03	1.24E-03	1.24E-03
1584	494811.06	3858701.99	0.04046	1.19E-03	1.22E-03	1.22E-03
1585	494861.06	3858701.99	0.03989	1.18E-03	1.20E-03	1.20E-03
1586	494911.06	3858701.99	0.03939	1.16E-03	1.18E-03	1.18E-03
1587	494961.06	3858701.99	0.03842	1.13E-03	1.16E-03	1.15E-03
1588	495011.06	3858701.99	0.03781	1.11E-03	1.14E-03	1.14E-03
1589	495061.06	3858701.99	0.03751	1.11E-03	1.13E-03	1.13E-03
1590	495111.06	3858701.99	0.0368	1.08E-03	1.11E-03	1.11E-03
1591	495161.06	3858701.99	0.03642	1.07E-03	1.10E-03	1.09E-03
1592	495211.06	3858701.99	0.03591	1.06E-03	1.08E-03	1.08E-03
1593	495261.06	3858701.99	0.03576	1.05E-03	1.08E-03	1.07E-03
1594	495311.06	3858701.99	0.0356	1.05E-03	1.07E-03	1.07E-03
1595	495361.06	3858701.99	0.03537	1.04E-03	1.06E-03	1.06E-03
1596	495411.06	3858701.99	0.03527	1.04E-03	1.06E-03	1.06E-03
1597	495461.06	3858701.99	0.03508	1.03E-03	1.05E-03	1.05E-03
1598	495511.06	3858701.99	0.03481	1.03E-03	1.05E-03	1.05E-03
1599	495561.06	3858701.99	0.03449	1.02E-03	1.04E-03	1.04E-03
1600	495611.06	3858701.99	0.03416	1.01E-03	1.03E-03	1.03E-03
1601	495661.06	3858701.99	0.03393	1.00E-03	1.02E-03	1.02E-03
1602	494311.06	3858751.99	0.04206	1.24E-03	1.26E-03	1.26E-03
1603	494361.06	3858751.99	0.04452	1.31E-03	1.34E-03	1.34E-03
1604	494411.06	3858751.99	0.04551	1.34E-03	1.37E-03	1.37E-03
1605	494461.06	3858751.99	0.04547	1.34E-03	1.37E-03	1.37E-03
1606	494511.06	3858751.99	0.0458	1.35E-03	1.38E-03	1.38E-03
1607	494561.06	3858751.99	0.04511	1.33E-03	1.36E-03	1.35E-03
1608	494611.06	3858751.99	0.04455	1.31E-03	1.34E-03	1.34E-03
1609	494661.06	3858751.99	0.04402	1.30E-03	1.32E-03	1.32E-03
1610	494711.06	3858751.99	0.0431	1.27E-03	1.30E-03	1.29E-03
1611	494761.06	3858751.99	0.04304	1.27E-03	1.29E-03	1.29E-03
1612	494811.06	3858751.99	0.04222	1.24E-03	1.27E-03	1.27E-03
1613	494861.06	3858751.99	0.0415	1.22E-03	1.25E-03	1.25E-03
1614	494911.06	3858751.99	0.04071	1.20E-03	1.22E-03	1.22E-03
1615	494961.06	3858751.99	0.04013	1.18E-03	1.21E-03	1.21E-03
1616	495011.06	3858751.99	0.03972	1.17E-03	1.19E-03	1.19E-03
1617	495061.06	3858751.99	0.03912	1.15E-03	1.18E-03	1.17E-03
1618	495111.06	3858751.99	0.03842	1.13E-03	1.16E-03	1.15E-03
1619	495161.06	3858751.99	0.038	1.12E-03	1.14E-03	1.14E-03
1620	495211.06	3858751.99	0.03747	1.10E-03	1.13E-03	1.13E-03
1621	495261.06	3858751.99	0.03727	1.10E-03	1.12E-03	1.12E-03
1622	495311.06	3858751.99	0.03711	1.09E-03	1.12E-03	1.11E-03
1623	495361.06	3858751.99	0.03686	1.09E-03	1.11E-03	1.11E-03
1624	495411.06	3858751.99	0.0368	1.08E-03	1.11E-03	1.11E-03
1625	495461.06	3858751.99	0.03659	1.08E-03	1.10E-03	1.10E-03
1626	495511.06	3858751.99	0.03629	1.07E-03	1.09E-03	1.09E-03
1627	495561.06	3858751.99	0.03596	1.06E-03	1.08E-03	1.08E-03
1628	495611.06	3858751.99	0.03562	1.05E-03	1.07E-03	1.07E-03
1629	495661.06	3858751.99	0.03534	1.04E-03	1.06E-03	1.06E-03
1630	494311.06	3858801.99	0.04465	1.32E-03	1.34E-03	1.34E-03
1631	494361.06	3858801.99	0.04697	1.38E-03	1.41E-03	1.41E-03
1632	494411.06	3858801.99	0.04749	1.40E-03	1.43E-03	1.43E-03
1633	494461.06	3858801.99	0.04771	1.41E-03	1.43E-03	1.43E-03
1634	494511.06	3858801.99	0.04811	1.42E-03	1.45E-03	1.44E-03

1635	494561.06	3858801.99	0.04787	1.41E-03	1.44E-03	1.44E-03
1636	494611.06	3858801.99	0.04742	1.40E-03	1.43E-03	1.42E-03
1637	494661.06	3858801.99	0.04668	1.38E-03	1.40E-03	1.40E-03
1638	494711.06	3858801.99	0.04582	1.35E-03	1.38E-03	1.38E-03
1639	494761.06	3858801.99	0.04484	1.32E-03	1.35E-03	1.35E-03
1640	494811.06	3858801.99	0.04384	1.29E-03	1.32E-03	1.32E-03
1641	494861.06	3858801.99	0.04328	1.28E-03	1.30E-03	1.30E-03
1642	494911.06	3858801.99	0.04247	1.25E-03	1.28E-03	1.28E-03
1643	494961.06	3858801.99	0.04186	1.23E-03	1.26E-03	1.26E-03
1644	495011.06	3858801.99	0.04122	1.21E-03	1.24E-03	1.24E-03
1645	495061.06	3858801.99	0.04079	1.20E-03	1.23E-03	1.23E-03
1646	495111.06	3858801.99	0.03998	1.18E-03	1.20E-03	1.20E-03
1647	495161.06	3858801.99	0.03938	1.16E-03	1.18E-03	1.18E-03
1648	495211.06	3858801.99	0.03902	1.15E-03	1.17E-03	1.17E-03
1649	495261.06	3858801.99	0.03882	1.14E-03	1.17E-03	1.17E-03
1650	495311.06	3858801.99	0.03867	1.14E-03	1.16E-03	1.16E-03
1651	495361.06	3858801.99	0.03843	1.13E-03	1.16E-03	1.15E-03
1652	495411.06	3858801.99	0.03843	1.13E-03	1.16E-03	1.15E-03
1653	495461.06	3858801.99	0.03816	1.12E-03	1.15E-03	1.15E-03
1654	495511.06	3858801.99	0.0378	1.11E-03	1.14E-03	1.14E-03
1655	495561.06	3858801.99	0.03749	1.10E-03	1.13E-03	1.13E-03
1656	495611.06	3858801.99	0.03707	1.09E-03	1.11E-03	1.11E-03
1657	495661.06	3858801.99	0.03682	1.08E-03	1.11E-03	1.11E-03
1658	494311.06	3858851.99	0.04899	1.44E-03	1.47E-03	1.47E-03
1659	494361.06	3858851.99	0.05039	1.48E-03	1.52E-03	1.51E-03
1660	494411.06	3858851.99	0.05019	1.48E-03	1.51E-03	1.51E-03
1661	494461.06	3858851.99	0.05021	1.48E-03	1.51E-03	1.51E-03
1662	494511.06	3858851.99	0.05042	1.49E-03	1.52E-03	1.51E-03
1663	494561.06	3858851.99	0.05007	1.48E-03	1.51E-03	1.50E-03
1664	494611.06	3858851.99	0.04946	1.46E-03	1.49E-03	1.49E-03
1665	494661.06	3858851.99	0.0487	1.44E-03	1.46E-03	1.46E-03
1666	494711.06	3858851.99	0.04763	1.40E-03	1.43E-03	1.43E-03
1667	494761.06	3858851.99	0.04661	1.37E-03	1.40E-03	1.40E-03
1668	494811.06	3858851.99	0.04577	1.35E-03	1.38E-03	1.37E-03
1669	494861.06	3858851.99	0.04519	1.33E-03	1.36E-03	1.36E-03
1670	494911.06	3858851.99	0.04441	1.31E-03	1.34E-03	1.33E-03
1671	494961.06	3858851.99	0.04372	1.29E-03	1.31E-03	1.31E-03
1672	495011.06	3858851.99	0.04315	1.27E-03	1.30E-03	1.30E-03
1673	495061.06	3858851.99	0.04249	1.25E-03	1.28E-03	1.28E-03
1674	495111.06	3858851.99	0.04138	1.22E-03	1.24E-03	1.24E-03
1675	495161.06	3858851.99	0.04075	1.20E-03	1.23E-03	1.22E-03
1676	495211.06	3858851.99	0.04069	1.20E-03	1.22E-03	1.22E-03
1677	495261.06	3858851.99	0.04045	1.19E-03	1.22E-03	1.21E-03
1678	495311.06	3858851.99	0.04033	1.19E-03	1.21E-03	1.21E-03
1679	495361.06	3858851.99	0.04012	1.18E-03	1.21E-03	1.20E-03
1680	495411.06	3858851.99	0.03992	1.18E-03	1.20E-03	1.20E-03
1681	495461.06	3858851.99	0.03974	1.17E-03	1.19E-03	1.19E-03
1682	495511.06	3858851.99	0.03935	1.16E-03	1.18E-03	1.18E-03
1683	495561.06	3858851.99	0.03887	1.15E-03	1.17E-03	1.17E-03
1684	495611.06	3858851.99	0.03839	1.13E-03	1.15E-03	1.15E-03
1685	495661.06	3858851.99	0.03821	1.13E-03	1.15E-03	1.15E-03
1686	494311.06	3858901.99	0.05197	1.53E-03	1.56E-03	1.56E-03
1687	494361.06	3858901.99	0.05303	1.56E-03	1.59E-03	1.59E-03
1688	494411.06	3858901.99	0.05302	1.56E-03	1.59E-03	1.59E-03
1689	494461.06	3858901.99	0.05341	1.57E-03	1.61E-03	1.60E-03
1690	494511.06	3858901.99	0.05324	1.57E-03	1.60E-03	1.60E-03
1691	494561.06	3858901.99	0.05256	1.55E-03	1.58E-03	1.58E-03
1692	494611.06	3858901.99	0.05142	1.52E-03	1.55E-03	1.54E-03
1693	494661.06	3858901.99	0.05077	1.50E-03	1.53E-03	1.52E-03
1694	494711.06	3858901.99	0.04972	1.47E-03	1.49E-03	1.49E-03
1695	494761.06	3858901.99	0.04852	1.43E-03	1.46E-03	1.46E-03
1696	494811.06	3858901.99	0.04778	1.41E-03	1.44E-03	1.43E-03
1697	494861.06	3858901.99	0.04721	1.39E-03	1.42E-03	1.42E-03

1698	494911.06	3858901.99	0.04607	1.36E-03	1.39E-03	1.38E-03
1699	494961.06	3858901.99	0.04541	1.34E-03	1.37E-03	1.36E-03
1700	495011.06	3858901.99	0.04478	1.32E-03	1.35E-03	1.34E-03
1701	495061.06	3858901.99	0.0439	1.29E-03	1.32E-03	1.32E-03
1702	495111.06	3858901.99	0.04271	1.26E-03	1.28E-03	1.28E-03
1703	495161.06	3858901.99	0.04229	1.25E-03	1.27E-03	1.27E-03
1704	495211.06	3858901.99	0.04238	1.25E-03	1.27E-03	1.27E-03
1705	495261.06	3858901.99	0.0422	1.24E-03	1.27E-03	1.27E-03
1706	495311.06	3858901.99	0.04193	1.24E-03	1.26E-03	1.26E-03
1707	495361.06	3858901.99	0.04169	1.23E-03	1.25E-03	1.25E-03
1708	495411.06	3858901.99	0.04159	1.23E-03	1.25E-03	1.25E-03
1709	495461.06	3858901.99	0.04126	1.22E-03	1.24E-03	1.24E-03
1710	495511.06	3858901.99	0.0408	1.20E-03	1.23E-03	1.23E-03
1711	495561.06	3858901.99	0.0404	1.19E-03	1.21E-03	1.21E-03
1712	495611.06	3858901.99	0.0399	1.18E-03	1.20E-03	1.20E-03
1713	495661.06	3858901.99	0.03974	1.17E-03	1.19E-03	1.19E-03
1714	494311.06	3858951.99	0.05583	1.65E-03	1.68E-03	1.68E-03
1715	494361.06	3858951.99	0.05619	1.66E-03	1.69E-03	1.69E-03
1716	494411.06	3858951.99	0.05565	1.64E-03	1.67E-03	1.67E-03
1717	494461.06	3858951.99	0.05609	1.65E-03	1.69E-03	1.68E-03
1718	494511.06	3858951.99	0.05566	1.64E-03	1.67E-03	1.67E-03
1719	494561.06	3858951.99	0.05493	1.62E-03	1.65E-03	1.65E-03
1720	494611.06	3858951.99	0.05389	1.59E-03	1.62E-03	1.62E-03
1721	494661.06	3858951.99	0.05293	1.56E-03	1.59E-03	1.59E-03
1722	494711.06	3858951.99	0.05163	1.52E-03	1.55E-03	1.55E-03
1723	494761.06	3858951.99	0.05066	1.49E-03	1.52E-03	1.52E-03
1724	494811.06	3858951.99	0.04996	1.47E-03	1.50E-03	1.50E-03
1725	494861.06	3858951.99	0.04927	1.45E-03	1.48E-03	1.48E-03
1726	494911.06	3858951.99	0.0483	1.42E-03	1.45E-03	1.45E-03
1727	494961.06	3858951.99	0.04776	1.41E-03	1.44E-03	1.43E-03
1728	495011.06	3858951.99	0.04637	1.37E-03	1.39E-03	1.39E-03
1729	495061.06	3858951.99	0.04507	1.33E-03	1.36E-03	1.35E-03
1730	495111.06	3858951.99	0.04407	1.30E-03	1.33E-03	1.32E-03
1731	495161.06	3858951.99	0.04432	1.31E-03	1.33E-03	1.33E-03
1732	495211.06	3858951.99	0.04414	1.30E-03	1.33E-03	1.33E-03
1733	495261.06	3858951.99	0.04395	1.30E-03	1.32E-03	1.32E-03
1734	495311.06	3858951.99	0.0434	1.28E-03	1.30E-03	1.30E-03
1735	495361.06	3858951.99	0.04326	1.27E-03	1.30E-03	1.30E-03
1736	495411.06	3858951.99	0.04319	1.27E-03	1.30E-03	1.30E-03
1737	495461.06	3858951.99	0.04288	1.26E-03	1.29E-03	1.29E-03
1738	495511.06	3858951.99	0.04271	1.26E-03	1.28E-03	1.28E-03
1739	495561.06	3858951.99	0.04196	1.24E-03	1.26E-03	1.26E-03
1740	495611.06	3858951.99	0.04148	1.22E-03	1.25E-03	1.25E-03
1741	495661.06	3858951.99	0.04132	1.22E-03	1.24E-03	1.24E-03
1742	494311.06	3859001.99	0.05935	1.75E-03	1.78E-03	1.78E-03
1743	494361.06	3859001.99	0.05913	1.74E-03	1.78E-03	1.78E-03
1744	494411.06	3859001.99	0.0593	1.75E-03	1.78E-03	1.78E-03
1745	494461.06	3859001.99	0.05885	1.73E-03	1.77E-03	1.77E-03
1746	494511.06	3859001.99	0.05839	1.72E-03	1.76E-03	1.75E-03
1747	494561.06	3859001.99	0.05729	1.69E-03	1.72E-03	1.72E-03
1748	494611.06	3859001.99	0.05628	1.66E-03	1.69E-03	1.69E-03
1749	494661.06	3859001.99	0.05508	1.62E-03	1.66E-03	1.65E-03
1750	494711.06	3859001.99	0.05371	1.58E-03	1.61E-03	1.61E-03
1751	494761.06	3859001.99	0.05285	1.56E-03	1.59E-03	1.59E-03
1752	494811.06	3859001.99	0.05229	1.54E-03	1.57E-03	1.57E-03
1753	494861.06	3859001.99	0.05138	1.51E-03	1.54E-03	1.54E-03
1754	494911.06	3859001.99	0.05042	1.49E-03	1.52E-03	1.51E-03
1755	494961.06	3859001.99	0.04946	1.46E-03	1.49E-03	1.49E-03
1756	495011.06	3859001.99	0.04719	1.39E-03	1.42E-03	1.42E-03
1757	495061.06	3859001.99	0.04664	1.37E-03	1.40E-03	1.40E-03
1758	495111.06	3859001.99	0.04564	1.34E-03	1.37E-03	1.37E-03
1759	495161.06	3859001.99	0.04615	1.36E-03	1.39E-03	1.39E-03
1760	495211.06	3859001.99	0.04582	1.35E-03	1.38E-03	1.38E-03

1761	495261.06	3859001.99	0.04566	1.35E-03	1.37E-03	1.37E-03
1762	495311.06	3859001.99	0.04529	1.33E-03	1.36E-03	1.36E-03
1763	495361.06	3859001.99	0.04511	1.33E-03	1.36E-03	1.35E-03
1764	495411.06	3859001.99	0.04483	1.32E-03	1.35E-03	1.35E-03
1765	495461.06	3859001.99	0.0446	1.31E-03	1.34E-03	1.34E-03
1766	495511.06	3859001.99	0.04396	1.30E-03	1.32E-03	1.32E-03
1767	495561.06	3859001.99	0.04354	1.28E-03	1.31E-03	1.31E-03
1768	495611.06	3859001.99	0.04308	1.27E-03	1.30E-03	1.29E-03
1769	495661.06	3859001.99	0.04314	1.27E-03	1.30E-03	1.30E-03
1770	494311.06	3859051.99	0.06272	1.85E-03	1.89E-03	1.88E-03
1771	494361.06	3859051.99	0.06304	1.86E-03	1.90E-03	1.89E-03
1772	494411.06	3859051.99	0.06236	1.84E-03	1.88E-03	1.87E-03
1773	494461.06	3859051.99	0.06156	1.81E-03	1.85E-03	1.85E-03
1774	494511.06	3859051.99	0.06055	1.78E-03	1.82E-03	1.82E-03
1775	494561.06	3859051.99	0.0597	1.76E-03	1.80E-03	1.79E-03
1776	494611.06	3859051.99	0.05858	1.73E-03	1.76E-03	1.76E-03
1777	494661.06	3859051.99	0.0574	1.69E-03	1.73E-03	1.72E-03
1778	494711.06	3859051.99	0.05631	1.66E-03	1.69E-03	1.69E-03
1779	494761.06	3859051.99	0.05519	1.63E-03	1.66E-03	1.66E-03
1780	494811.06	3859051.99	0.05438	1.60E-03	1.64E-03	1.63E-03
1781	494861.06	3859051.99	0.05355	1.58E-03	1.61E-03	1.61E-03
1782	494911.06	3859051.99	0.05235	1.54E-03	1.57E-03	1.57E-03
1783	494961.06	3859051.99	0.05068	1.49E-03	1.52E-03	1.52E-03
1784	495011.06	3859051.99	0.04942	1.46E-03	1.49E-03	1.48E-03
1785	495061.06	3859051.99	0.04855	1.43E-03	1.46E-03	1.46E-03
1786	495111.06	3859051.99	0.04801	1.41E-03	1.44E-03	1.44E-03
1787	495161.06	3859051.99	0.04818	1.42E-03	1.45E-03	1.45E-03
1788	495211.06	3859051.99	0.04756	1.40E-03	1.43E-03	1.43E-03
1789	495261.06	3859051.99	0.04754	1.40E-03	1.43E-03	1.43E-03
1790	495311.06	3859051.99	0.04708	1.39E-03	1.42E-03	1.41E-03
1791	495361.06	3859051.99	0.0468	1.38E-03	1.41E-03	1.41E-03
1792	495411.06	3859051.99	0.04664	1.37E-03	1.40E-03	1.40E-03
1793	495461.06	3859051.99	0.04647	1.37E-03	1.40E-03	1.40E-03
1794	495511.06	3859051.99	0.04576	1.35E-03	1.38E-03	1.37E-03
1795	495561.06	3859051.99	0.0452	1.33E-03	1.36E-03	1.36E-03
1796	495611.06	3859051.99	0.04469	1.32E-03	1.34E-03	1.34E-03
1797	495661.06	3859051.99	0.0447	1.32E-03	1.34E-03	1.34E-03
1798	494311.06	3859101.99	0.06684	1.97E-03	2.01E-03	2.01E-03
1799	494361.06	3859101.99	0.06615	1.95E-03	1.99E-03	1.99E-03
1800	494411.06	3859101.99	0.06559	1.93E-03	1.97E-03	1.97E-03
1801	494461.06	3859101.99	0.06466	1.91E-03	1.94E-03	1.94E-03
1802	494511.06	3859101.99	0.06337	1.87E-03	1.91E-03	1.90E-03
1803	494561.06	3859101.99	0.06235	1.84E-03	1.87E-03	1.87E-03
1804	494611.06	3859101.99	0.06086	1.79E-03	1.83E-03	1.83E-03
1805	494661.06	3859101.99	0.0599	1.77E-03	1.80E-03	1.80E-03
1806	494711.06	3859101.99	0.0583	1.72E-03	1.75E-03	1.75E-03
1807	494761.06	3859101.99	0.05779	1.70E-03	1.74E-03	1.74E-03
1808	494811.06	3859101.99	0.05672	1.67E-03	1.71E-03	1.70E-03
1809	494861.06	3859101.99	0.05576	1.64E-03	1.68E-03	1.67E-03
1810	494911.06	3859101.99	0.05445	1.60E-03	1.64E-03	1.64E-03
1811	494961.06	3859101.99	0.05258	1.55E-03	1.58E-03	1.58E-03
1812	495011.06	3859101.99	0.0507	1.49E-03	1.52E-03	1.52E-03
1813	495061.06	3859101.99	0.05054	1.49E-03	1.52E-03	1.52E-03
1814	495111.06	3859101.99	0.04991	1.47E-03	1.50E-03	1.50E-03
1815	495161.06	3859101.99	0.05005	1.47E-03	1.50E-03	1.50E-03
1816	495211.06	3859101.99	0.04946	1.46E-03	1.49E-03	1.49E-03
1817	495261.06	3859101.99	0.0493	1.45E-03	1.48E-03	1.48E-03
1818	495311.06	3859101.99	0.04882	1.44E-03	1.47E-03	1.47E-03
1819	495361.06	3859101.99	0.04885	1.44E-03	1.47E-03	1.47E-03
1820	495411.06	3859101.99	0.04857	1.43E-03	1.46E-03	1.46E-03
1821	495461.06	3859101.99	0.0478	1.41E-03	1.44E-03	1.44E-03
1822	495511.06	3859101.99	0.04742	1.40E-03	1.43E-03	1.42E-03
1823	495561.06	3859101.99	0.04709	1.39E-03	1.42E-03	1.41E-03

1824	495611.06	3859101.99	0.04647	1.37E-03	1.40E-03	1.40E-03
1825	495661.06	3859101.99	0.04628	1.36E-03	1.39E-03	1.39E-03
1826	494311.06	3859151.99	0.07033	2.07E-03	2.11E-03	2.11E-03
1827	494361.06	3859151.99	0.0698	2.06E-03	2.10E-03	2.10E-03
1828	494411.06	3859151.99	0.06862	2.02E-03	2.06E-03	2.06E-03
1829	494461.06	3859151.99	0.06743	1.99E-03	2.03E-03	2.03E-03
1830	494511.06	3859151.99	0.06594	1.94E-03	1.98E-03	1.98E-03
1831	494561.06	3859151.99	0.06502	1.92E-03	1.96E-03	1.95E-03
1832	494611.06	3859151.99	0.06358	1.87E-03	1.91E-03	1.91E-03
1833	494661.06	3859151.99	0.06262	1.85E-03	1.88E-03	1.88E-03
1834	494711.06	3859151.99	0.06179	1.82E-03	1.86E-03	1.86E-03
1835	494761.06	3859151.99	0.06021	1.77E-03	1.81E-03	1.81E-03
1836	494811.06	3859151.99	0.0589	1.74E-03	1.77E-03	1.77E-03
1837	494861.06	3859151.99	0.05801	1.71E-03	1.74E-03	1.74E-03
1838	494911.06	3859151.99	0.05648	1.66E-03	1.70E-03	1.70E-03
1839	494961.06	3859151.99	0.05433	1.60E-03	1.63E-03	1.63E-03
1840	495011.06	3859151.99	0.05274	1.55E-03	1.59E-03	1.58E-03
1841	495061.06	3859151.99	0.05241	1.54E-03	1.58E-03	1.57E-03
1842	495111.06	3859151.99	0.05193	1.53E-03	1.56E-03	1.56E-03
1843	495161.06	3859151.99	0.05206	1.53E-03	1.57E-03	1.56E-03
1844	495211.06	3859151.99	0.05164	1.52E-03	1.55E-03	1.55E-03
1845	495261.06	3859151.99	0.05123	1.51E-03	1.54E-03	1.54E-03
1846	495311.06	3859151.99	0.0509	1.50E-03	1.53E-03	1.53E-03
1847	495361.06	3859151.99	0.05052	1.49E-03	1.52E-03	1.52E-03
1848	495411.06	3859151.99	0.05059	1.49E-03	1.52E-03	1.52E-03
1849	495461.06	3859151.99	0.05025	1.48E-03	1.51E-03	1.51E-03
1850	495511.06	3859151.99	0.04951	1.46E-03	1.49E-03	1.49E-03
1851	495561.06	3859151.99	0.04894	1.44E-03	1.47E-03	1.47E-03
1852	495611.06	3859151.99	0.04844	1.43E-03	1.46E-03	1.45E-03
1853	495661.06	3859151.99	0.04799	1.41E-03	1.44E-03	1.44E-03
1854	494311.06	3859201.99	0.07392	2.18E-03	2.22E-03	2.22E-03
1855	494361.06	3859201.99	0.07305	2.15E-03	2.20E-03	2.19E-03
1856	494411.06	3859201.99	0.07192	2.12E-03	2.16E-03	2.16E-03
1857	494461.06	3859201.99	0.07036	2.07E-03	2.12E-03	2.11E-03
1858	494511.06	3859201.99	0.06929	2.04E-03	2.08E-03	2.08E-03
1859	494561.06	3859201.99	0.06763	1.99E-03	2.03E-03	2.03E-03
1860	494611.06	3859201.99	0.06633	1.95E-03	1.99E-03	1.99E-03
1861	494661.06	3859201.99	0.06528	1.92E-03	1.96E-03	1.96E-03
1862	494711.06	3859201.99	0.06424	1.89E-03	1.93E-03	1.93E-03
1863	494761.06	3859201.99	0.06265	1.85E-03	1.88E-03	1.88E-03
1864	494811.06	3859201.99	0.06134	1.81E-03	1.84E-03	1.84E-03
1865	494861.06	3859201.99	0.05968	1.76E-03	1.79E-03	1.79E-03
1866	494911.06	3859201.99	0.05811	1.71E-03	1.75E-03	1.75E-03
1867	494961.06	3859201.99	0.05632	1.66E-03	1.69E-03	1.69E-03
1868	495011.06	3859201.99	0.05407	1.59E-03	1.63E-03	1.62E-03
1869	495061.06	3859201.99	0.05461	1.61E-03	1.64E-03	1.64E-03
1870	495111.06	3859201.99	0.05436	1.60E-03	1.63E-03	1.63E-03
1871	495161.06	3859201.99	0.05402	1.59E-03	1.62E-03	1.62E-03
1872	495211.06	3859201.99	0.05339	1.57E-03	1.61E-03	1.60E-03
1873	495261.06	3859201.99	0.05318	1.57E-03	1.60E-03	1.60E-03
1874	495311.06	3859201.99	0.05283	1.56E-03	1.59E-03	1.59E-03
1875	495361.06	3859201.99	0.05254	1.55E-03	1.58E-03	1.58E-03
1876	495411.06	3859201.99	0.05252	1.55E-03	1.58E-03	1.58E-03
1877	495461.06	3859201.99	0.05204	1.53E-03	1.56E-03	1.56E-03
1878	495511.06	3859201.99	0.05158	1.52E-03	1.55E-03	1.55E-03
1879	495561.06	3859201.99	0.05075	1.50E-03	1.53E-03	1.52E-03
1880	495611.06	3859201.99	0.05012	1.48E-03	1.51E-03	1.51E-03
1881	495661.06	3859201.99	0.04966	1.46E-03	1.49E-03	1.49E-03
1882	494311.06	3859251.99	0.07771	2.29E-03	2.34E-03	2.33E-03
1883	494361.06	3859251.99	0.07636	2.25E-03	2.30E-03	2.29E-03
1884	494411.06	3859251.99	0.0746	2.20E-03	2.24E-03	2.24E-03
1885	494461.06	3859251.99	0.07342	2.16E-03	2.21E-03	2.20E-03
1886	494511.06	3859251.99	0.0716	2.11E-03	2.15E-03	2.15E-03

1887	494561.06	3859251.99	0.07038	2.07E-03	2.12E-03	2.11E-03
1888	494611.06	3859251.99	0.06887	2.03E-03	2.07E-03	2.07E-03
1889	494661.06	3859251.99	0.06798	2.00E-03	2.04E-03	2.04E-03
1890	494711.06	3859251.99	0.06684	1.97E-03	2.01E-03	2.01E-03
1891	494761.06	3859251.99	0.06412	1.89E-03	1.93E-03	1.93E-03
1892	494811.06	3859251.99	0.06378	1.88E-03	1.92E-03	1.92E-03
1893	494861.06	3859251.99	0.06131	1.81E-03	1.84E-03	1.84E-03
1894	494911.06	3859251.99	0.05974	1.76E-03	1.80E-03	1.79E-03
1895	494961.06	3859251.99	0.05869	1.73E-03	1.76E-03	1.76E-03
1896	495011.06	3859251.99	0.05748	1.69E-03	1.73E-03	1.73E-03
1897	495061.06	3859251.99	0.0573	1.69E-03	1.72E-03	1.72E-03
1898	495111.06	3859251.99	0.05669	1.67E-03	1.70E-03	1.70E-03
1899	495161.06	3859251.99	0.05629	1.66E-03	1.69E-03	1.69E-03
1900	495211.06	3859251.99	0.05565	1.64E-03	1.67E-03	1.67E-03
1901	495261.06	3859251.99	0.05507	1.62E-03	1.66E-03	1.65E-03
1902	495311.06	3859251.99	0.05507	1.62E-03	1.66E-03	1.65E-03
1903	495361.06	3859251.99	0.05462	1.61E-03	1.64E-03	1.64E-03
1904	495411.06	3859251.99	0.05451	1.61E-03	1.64E-03	1.64E-03
1905	495461.06	3859251.99	0.05403	1.59E-03	1.62E-03	1.62E-03
1906	495511.06	3859251.99	0.05314	1.57E-03	1.60E-03	1.60E-03
1907	495561.06	3859251.99	0.05257	1.55E-03	1.58E-03	1.58E-03
1908	495611.06	3859251.99	0.05179	1.53E-03	1.56E-03	1.56E-03
1909	495661.06	3859251.99	0.05122	1.51E-03	1.54E-03	1.54E-03
1910	494311.06	3859301.99	0.0815	2.40E-03	2.45E-03	2.45E-03
1911	494361.06	3859301.99	0.07995	2.36E-03	2.40E-03	2.40E-03
1912	494411.06	3859301.99	0.07804	2.30E-03	2.35E-03	2.34E-03
1913	494461.06	3859301.99	0.07618	2.24E-03	2.29E-03	2.29E-03
1914	494511.06	3859301.99	0.07457	2.20E-03	2.24E-03	2.24E-03
1915	494561.06	3859301.99	0.07328	2.16E-03	2.20E-03	2.20E-03
1916	494611.06	3859301.99	0.07188	2.12E-03	2.16E-03	2.16E-03
1917	494661.06	3859301.99	0.07055	2.08E-03	2.12E-03	2.12E-03
1918	494711.06	3859301.99	0.069	2.03E-03	2.07E-03	2.07E-03
1919	494761.06	3859301.99	0.06764	1.99E-03	2.03E-03	2.03E-03
1920	494811.06	3859301.99	0.06583	1.94E-03	1.98E-03	1.98E-03
1921	494861.06	3859301.99	0.06349	1.87E-03	1.91E-03	1.91E-03
1922	494911.06	3859301.99	0.06225	1.83E-03	1.87E-03	1.87E-03
1923	494961.06	3859301.99	0.05997	1.77E-03	1.80E-03	1.80E-03
1924	495011.06	3859301.99	0.05904	1.74E-03	1.78E-03	1.77E-03
1925	495061.06	3859301.99	0.05945	1.75E-03	1.79E-03	1.79E-03
1926	495111.06	3859301.99	0.05839	1.72E-03	1.76E-03	1.75E-03
1927	495161.06	3859301.99	0.05809	1.71E-03	1.75E-03	1.74E-03
1928	495211.06	3859301.99	0.05806	1.71E-03	1.75E-03	1.74E-03
1929	495261.06	3859301.99	0.05777	1.70E-03	1.74E-03	1.73E-03
1930	495311.06	3859301.99	0.0569	1.68E-03	1.71E-03	1.71E-03
1931	495361.06	3859301.99	0.0567	1.67E-03	1.70E-03	1.70E-03
1932	495411.06	3859301.99	0.05629	1.66E-03	1.69E-03	1.69E-03
1933	495461.06	3859301.99	0.05595	1.65E-03	1.68E-03	1.68E-03
1934	495511.06	3859301.99	0.05516	1.63E-03	1.66E-03	1.66E-03
1935	495561.06	3859301.99	0.05402	1.59E-03	1.62E-03	1.62E-03
1936	495611.06	3859301.99	0.05343	1.57E-03	1.61E-03	1.60E-03
1937	495661.06	3859301.99	0.05283	1.56E-03	1.59E-03	1.59E-03
1938	494311.06	3859351.99	0.08493	2.50E-03	2.55E-03	2.55E-03
1939	494361.06	3859351.99	0.08323	2.45E-03	2.50E-03	2.50E-03
1940	494411.06	3859351.99	0.08101	2.39E-03	2.44E-03	2.43E-03
1941	494461.06	3859351.99	0.07913	2.33E-03	2.38E-03	2.38E-03
1942	494511.06	3859351.99	0.07747	2.28E-03	2.33E-03	2.33E-03
1943	494561.06	3859351.99	0.0762	2.25E-03	2.29E-03	2.29E-03
1944	494611.06	3859351.99	0.07477	2.20E-03	2.25E-03	2.25E-03
1945	494661.06	3859351.99	0.07331	2.16E-03	2.20E-03	2.20E-03
1946	494711.06	3859351.99	0.07153	2.11E-03	2.15E-03	2.15E-03
1947	494761.06	3859351.99	0.0691	2.04E-03	2.08E-03	2.08E-03
1948	494811.06	3859351.99	0.06678	1.97E-03	2.01E-03	2.01E-03
1949	494861.06	3859351.99	0.06564	1.93E-03	1.97E-03	1.97E-03

1950	494911.06	3859351.99	0.0648	1.91E-03	1.95E-03	1.95E-03
1951	494961.06	3859351.99	0.06355	1.87E-03	1.91E-03	1.91E-03
1952	495011.06	3859351.99	0.06261	1.84E-03	1.88E-03	1.88E-03
1953	495061.06	3859351.99	0.06275	1.85E-03	1.89E-03	1.88E-03
1954	495111.06	3859351.99	0.06173	1.82E-03	1.86E-03	1.85E-03
1955	495161.06	3859351.99	0.06113	1.80E-03	1.84E-03	1.84E-03
1956	495211.06	3859351.99	0.06049	1.78E-03	1.82E-03	1.82E-03
1957	495261.06	3859351.99	0.06013	1.77E-03	1.81E-03	1.81E-03
1958	495311.06	3859351.99	0.05928	1.75E-03	1.78E-03	1.78E-03
1959	495361.06	3859351.99	0.05871	1.73E-03	1.77E-03	1.76E-03
1960	495411.06	3859351.99	0.05833	1.72E-03	1.75E-03	1.75E-03
1961	495461.06	3859351.99	0.05807	1.71E-03	1.75E-03	1.74E-03
1962	495511.06	3859351.99	0.05701	1.68E-03	1.71E-03	1.71E-03
1963	495561.06	3859351.99	0.05618	1.66E-03	1.69E-03	1.69E-03
1964	495611.06	3859351.99	0.05554	1.64E-03	1.67E-03	1.67E-03
1965	495661.06	3859351.99	0.05452	1.61E-03	1.64E-03	1.64E-03
1966	494311.06	3859401.99	0.08894	2.62E-03	2.67E-03	2.67E-03
1967	494361.06	3859401.99	0.08649	2.55E-03	2.60E-03	2.60E-03
1968	494411.06	3859401.99	0.08403	2.48E-03	2.53E-03	2.52E-03
1969	494461.06	3859401.99	0.08219	2.42E-03	2.47E-03	2.47E-03
1970	494511.06	3859401.99	0.0809	2.38E-03	2.43E-03	2.43E-03
1971	494561.06	3859401.99	0.07943	2.34E-03	2.39E-03	2.39E-03
1972	494611.06	3859401.99	0.0777	2.29E-03	2.34E-03	2.33E-03
1973	494661.06	3859401.99	0.07641	2.25E-03	2.30E-03	2.29E-03
1974	494711.06	3859401.99	0.07493	2.21E-03	2.25E-03	2.25E-03
1975	494761.06	3859401.99	0.07206	2.12E-03	2.17E-03	2.16E-03
1976	494811.06	3859401.99	0.07063	2.08E-03	2.12E-03	2.12E-03
1977	494861.06	3859401.99	0.06847	2.02E-03	2.06E-03	2.06E-03
1978	494911.06	3859401.99	0.06687	1.97E-03	2.01E-03	2.01E-03
1979	494961.06	3859401.99	0.06619	1.95E-03	1.99E-03	1.99E-03
1980	495011.06	3859401.99	0.06552	1.93E-03	1.97E-03	1.97E-03
1981	495061.06	3859401.99	0.06472	1.91E-03	1.95E-03	1.94E-03
1982	495111.06	3859401.99	0.06363	1.87E-03	1.91E-03	1.91E-03
1983	495161.06	3859401.99	0.06335	1.87E-03	1.90E-03	1.90E-03
1984	495211.06	3859401.99	0.06299	1.86E-03	1.89E-03	1.89E-03
1985	495261.06	3859401.99	0.06232	1.84E-03	1.87E-03	1.87E-03
1986	495311.06	3859401.99	0.0616	1.82E-03	1.85E-03	1.85E-03
1987	495361.06	3859401.99	0.06134	1.81E-03	1.84E-03	1.84E-03
1988	495411.06	3859401.99	0.06081	1.79E-03	1.83E-03	1.83E-03
1989	495461.06	3859401.99	0.06	1.77E-03	1.80E-03	1.80E-03
1990	495511.06	3859401.99	0.05891	1.74E-03	1.77E-03	1.77E-03
1991	495561.06	3859401.99	0.0577	1.70E-03	1.73E-03	1.73E-03
1992	495611.06	3859401.99	0.05696	1.68E-03	1.71E-03	1.71E-03
1993	495661.06	3859401.99	0.05631	1.66E-03	1.69E-03	1.69E-03
1994	494311.06	3859451.99	0.09203	2.71E-03	2.77E-03	2.76E-03
1995	494361.06	3859451.99	0.08967	2.64E-03	2.70E-03	2.69E-03
1996	494411.06	3859451.99	0.08652	2.55E-03	2.60E-03	2.60E-03
1997	494461.06	3859451.99	0.08533	2.51E-03	2.57E-03	2.56E-03
1998	494511.06	3859451.99	0.08347	2.46E-03	2.51E-03	2.51E-03
1999	494561.06	3859451.99	0.08195	2.41E-03	2.46E-03	2.46E-03
2000	494611.06	3859451.99	0.08097	2.39E-03	2.43E-03	2.43E-03
2001	494661.06	3859451.99	0.0791	2.33E-03	2.38E-03	2.38E-03
2002	494711.06	3859451.99	0.07728	2.28E-03	2.32E-03	2.32E-03
2003	494761.06	3859451.99	0.07575	2.23E-03	2.28E-03	2.27E-03
2004	494811.06	3859451.99	0.0736	2.17E-03	2.21E-03	2.21E-03
2005	494861.06	3859451.99	0.07186	2.12E-03	2.16E-03	2.16E-03
2006	494911.06	3859451.99	0.07051	2.08E-03	2.12E-03	2.12E-03
2007	494961.06	3859451.99	0.06963	2.05E-03	2.09E-03	2.09E-03
2008	495011.06	3859451.99	0.0686	2.02E-03	2.06E-03	2.06E-03
2009	495061.06	3859451.99	0.06759	1.99E-03	2.03E-03	2.03E-03
2010	495111.06	3859451.99	0.06657	1.96E-03	2.00E-03	2.00E-03
2011	495161.06	3859451.99	0.06598	1.94E-03	1.98E-03	1.98E-03
2012	495211.06	3859451.99	0.06553	1.93E-03	1.97E-03	1.97E-03

2013	495261.06	3859451.99	0.06502	1.92E-03	1.96E-03	1.95E-03
2014	495311.06	3859451.99	0.06421	1.89E-03	1.93E-03	1.93E-03
2015	495361.06	3859451.99	0.06354	1.87E-03	1.91E-03	1.91E-03
2016	495411.06	3859451.99	0.06272	1.85E-03	1.89E-03	1.88E-03
2017	495461.06	3859451.99	0.06204	1.83E-03	1.87E-03	1.86E-03
2018	495511.06	3859451.99	0.06075	1.79E-03	1.83E-03	1.82E-03
2019	495561.06	3859451.99	0.05987	1.76E-03	1.80E-03	1.80E-03
2020	495611.06	3859451.99	0.05903	1.74E-03	1.77E-03	1.77E-03
2021	495661.06	3859451.99	0.05825	1.72E-03	1.75E-03	1.75E-03
2022	494311.06	3859501.99	0.0956	2.82E-03	2.87E-03	2.87E-03
2023	494361.06	3859501.99	0.09306	2.74E-03	2.80E-03	2.79E-03
2024	494411.06	3859501.99	0.08905	2.62E-03	2.68E-03	2.67E-03
2025	494461.06	3859501.99	0.08869	2.61E-03	2.67E-03	2.66E-03
2026	494511.06	3859501.99	0.0865	2.55E-03	2.60E-03	2.60E-03
2027	494561.06	3859501.99	0.08465	2.49E-03	2.55E-03	2.54E-03
2028	494611.06	3859501.99	0.08441	2.49E-03	2.54E-03	2.54E-03
2029	494661.06	3859501.99	0.08214	2.42E-03	2.47E-03	2.47E-03
2030	494711.06	3859501.99	0.0796	2.35E-03	2.39E-03	2.39E-03
2031	494761.06	3859501.99	0.0789	2.32E-03	2.37E-03	2.37E-03
2032	494811.06	3859501.99	0.07589	2.24E-03	2.28E-03	2.28E-03
2033	494861.06	3859501.99	0.07457	2.20E-03	2.24E-03	2.24E-03
2034	494911.06	3859501.99	0.07365	2.17E-03	2.21E-03	2.21E-03
2035	494961.06	3859501.99	0.07211	2.12E-03	2.17E-03	2.17E-03
2036	495011.06	3859501.99	0.07127	2.10E-03	2.14E-03	2.14E-03
2037	495061.06	3859501.99	0.07048	2.08E-03	2.12E-03	2.12E-03
2038	495111.06	3859501.99	0.06907	2.04E-03	2.08E-03	2.07E-03
2039	495161.06	3859501.99	0.06835	2.01E-03	2.06E-03	2.05E-03
2040	495211.06	3859501.99	0.0679	2.00E-03	2.04E-03	2.04E-03
2041	495261.06	3859501.99	0.06718	1.98E-03	2.02E-03	2.02E-03
2042	495311.06	3859501.99	0.06658	1.96E-03	2.00E-03	2.00E-03
2043	495361.06	3859501.99	0.06578	1.94E-03	1.98E-03	1.98E-03
2044	495411.06	3859501.99	0.06503	1.92E-03	1.96E-03	1.95E-03
2045	495461.06	3859501.99	0.06416	1.89E-03	1.93E-03	1.93E-03
2046	495511.06	3859501.99	0.06232	1.84E-03	1.87E-03	1.87E-03
2047	495561.06	3859501.99	0.06203	1.83E-03	1.87E-03	1.86E-03
2048	495611.06	3859501.99	0.06108	1.80E-03	1.84E-03	1.83E-03
2049	495661.06	3859501.99	0.06006	1.77E-03	1.81E-03	1.80E-03
2050	494311.06	3859551.99	0.09898	2.92E-03	2.98E-03	2.97E-03
2051	494361.06	3859551.99	0.09543	2.81E-03	2.87E-03	2.87E-03
2052	494411.06	3859551.99	0.0914	2.69E-03	2.75E-03	2.74E-03
2053	494461.06	3859551.99	0.09171	2.70E-03	2.76E-03	2.75E-03
2054	494511.06	3859551.99	0.08946	2.64E-03	2.69E-03	2.69E-03
2055	494561.06	3859551.99	0.08772	2.58E-03	2.64E-03	2.63E-03
2056	494611.06	3859551.99	0.08663	2.55E-03	2.60E-03	2.60E-03
2057	494661.06	3859551.99	0.08517	2.51E-03	2.56E-03	2.56E-03
2058	494711.06	3859551.99	0.08132	2.40E-03	2.45E-03	2.44E-03
2059	494761.06	3859551.99	0.08163	2.41E-03	2.45E-03	2.45E-03
2060	494811.06	3859551.99	0.0789	2.32E-03	2.37E-03	2.37E-03
2061	494861.06	3859551.99	0.07755	2.29E-03	2.33E-03	2.33E-03
2062	494911.06	3859551.99	0.076	2.24E-03	2.29E-03	2.28E-03
2063	494961.06	3859551.99	0.07509	2.21E-03	2.26E-03	2.26E-03
2064	495011.06	3859551.99	0.07436	2.19E-03	2.24E-03	2.23E-03
2065	495061.06	3859551.99	0.07319	2.16E-03	2.20E-03	2.20E-03
2066	495111.06	3859551.99	0.07178	2.12E-03	2.16E-03	2.16E-03
2067	495161.06	3859551.99	0.07112	2.10E-03	2.14E-03	2.14E-03
2068	495211.06	3859551.99	0.07063	2.08E-03	2.12E-03	2.12E-03
2069	495261.06	3859551.99	0.06951	2.05E-03	2.09E-03	2.09E-03
2070	495311.06	3859551.99	0.06859	2.02E-03	2.06E-03	2.06E-03
2071	495361.06	3859551.99	0.06784	2.00E-03	2.04E-03	2.04E-03
2072	495411.06	3859551.99	0.06723	1.98E-03	2.02E-03	2.02E-03
2073	495461.06	3859551.99	0.06593	1.94E-03	1.98E-03	1.98E-03
2074	495511.06	3859551.99	0.06461	1.90E-03	1.94E-03	1.94E-03
2075	495561.06	3859551.99	0.06376	1.88E-03	1.92E-03	1.91E-03

2076	495611.06	3859551.99	0.0629	1.85E-03	1.89E-03	1.89E-03
2077	495661.06	3859551.99	0.06187	1.82E-03	1.86E-03	1.86E-03
2078	494311.06	3859601.99	0.10282	3.03E-03	3.09E-03	3.09E-03
2079	494361.06	3859601.99	0.09765	2.88E-03	2.94E-03	2.93E-03
2080	494411.06	3859601.99	0.09491	2.80E-03	2.85E-03	2.85E-03
2081	494461.06	3859601.99	0.09484	2.79E-03	2.85E-03	2.85E-03
2082	494511.06	3859601.99	0.09169	2.70E-03	2.76E-03	2.75E-03
2083	494561.06	3859601.99	0.09121	2.69E-03	2.74E-03	2.74E-03
2084	494611.06	3859601.99	0.09016	2.66E-03	2.71E-03	2.71E-03
2085	494661.06	3859601.99	0.08671	2.56E-03	2.61E-03	2.60E-03
2086	494711.06	3859601.99	0.08411	2.48E-03	2.53E-03	2.53E-03
2087	494761.06	3859601.99	0.08506	2.51E-03	2.56E-03	2.55E-03
2088	494811.06	3859601.99	0.08206	2.42E-03	2.47E-03	2.46E-03
2089	494861.06	3859601.99	0.08077	2.38E-03	2.43E-03	2.43E-03
2090	494911.06	3859601.99	0.0786	2.32E-03	2.36E-03	2.36E-03
2091	494961.06	3859601.99	0.07856	2.31E-03	2.36E-03	2.36E-03
2092	495011.06	3859601.99	0.07635	2.25E-03	2.30E-03	2.29E-03
2093	495061.06	3859601.99	0.07587	2.24E-03	2.28E-03	2.28E-03
2094	495111.06	3859601.99	0.07429	2.19E-03	2.23E-03	2.23E-03
2095	495161.06	3859601.99	0.07363	2.17E-03	2.21E-03	2.21E-03
2096	495211.06	3859601.99	0.07268	2.14E-03	2.19E-03	2.18E-03
2097	495261.06	3859601.99	0.0719	2.12E-03	2.16E-03	2.16E-03
2098	495311.06	3859601.99	0.0712	2.10E-03	2.14E-03	2.14E-03
2099	495361.06	3859601.99	0.07019	2.07E-03	2.11E-03	2.11E-03
2100	495411.06	3859601.99	0.06947	2.05E-03	2.09E-03	2.09E-03
2101	495461.06	3859601.99	0.06783	2.00E-03	2.04E-03	2.04E-03
2102	495511.06	3859601.99	0.06637	1.96E-03	2.00E-03	1.99E-03
2103	495561.06	3859601.99	0.06592	1.94E-03	1.98E-03	1.98E-03
2104	495611.06	3859601.99	0.06434	1.90E-03	1.93E-03	1.93E-03
2105	495661.06	3859601.99	0.06369	1.88E-03	1.92E-03	1.91E-03
2106	494311.06	3859651.99	0.10517	3.10E-03	3.16E-03	3.16E-03
2107	494361.06	3859651.99	0.10036	2.96E-03	3.02E-03	3.01E-03
2108	494411.06	3859651.99	0.09839	2.90E-03	2.96E-03	2.95E-03
2109	494461.06	3859651.99	0.09815	2.89E-03	2.95E-03	2.95E-03
2110	494511.06	3859651.99	0.09604	2.83E-03	2.89E-03	2.88E-03
2111	494561.06	3859651.99	0.09464	2.79E-03	2.85E-03	2.84E-03
2112	494611.06	3859651.99	0.09315	2.74E-03	2.80E-03	2.80E-03
2113	494661.06	3859651.99	0.08899	2.62E-03	2.68E-03	2.67E-03
2114	494711.06	3859651.99	0.08777	2.59E-03	2.64E-03	2.64E-03
2115	494761.06	3859651.99	0.08718	2.57E-03	2.62E-03	2.62E-03
2116	494811.06	3859651.99	0.08501	2.50E-03	2.56E-03	2.55E-03
2117	494861.06	3859651.99	0.08385	2.47E-03	2.52E-03	2.52E-03
2118	494911.06	3859651.99	0.08227	2.42E-03	2.47E-03	2.47E-03
2119	494961.06	3859651.99	0.08106	2.39E-03	2.44E-03	2.43E-03
2120	495011.06	3859651.99	0.07967	2.35E-03	2.40E-03	2.39E-03
2121	495061.06	3859651.99	0.07875	2.32E-03	2.37E-03	2.37E-03
2122	495111.06	3859651.99	0.07728	2.28E-03	2.32E-03	2.32E-03
2123	495161.06	3859651.99	0.0762	2.25E-03	2.29E-03	2.29E-03
2124	495211.06	3859651.99	0.07534	2.22E-03	2.27E-03	2.26E-03
2125	495261.06	3859651.99	0.07425	2.19E-03	2.23E-03	2.23E-03
2126	495311.06	3859651.99	0.07332	2.16E-03	2.20E-03	2.20E-03
2127	495361.06	3859651.99	0.07249	2.14E-03	2.18E-03	2.18E-03
2128	495411.06	3859651.99	0.07144	2.11E-03	2.15E-03	2.15E-03
2129	495461.06	3859651.99	0.06979	2.06E-03	2.10E-03	2.10E-03
2130	495511.06	3859651.99	0.06838	2.01E-03	2.06E-03	2.05E-03
2131	495561.06	3859651.99	0.0676	1.99E-03	2.03E-03	2.03E-03
2132	495611.06	3859651.99	0.06655	1.96E-03	2.00E-03	2.00E-03
2133	495661.06	3859651.99	0.06542	1.93E-03	1.97E-03	1.96E-03
2134	494311.06	3859701.99	0.10449	3.08E-03	3.14E-03	3.14E-03
2135	494361.06	3859701.99	0.10224	3.01E-03	3.07E-03	3.07E-03
2136	494411.06	3859701.99	0.10096	2.97E-03	3.04E-03	3.03E-03
2137	494461.06	3859701.99	0.10132	2.99E-03	3.05E-03	3.04E-03
2138	494511.06	3859701.99	0.09938	2.93E-03	2.99E-03	2.98E-03

2139	494561.06	3859701.99	0.098	2.89E-03	2.95E-03	2.94E-03
2140	494611.06	3859701.99	0.0965	2.84E-03	2.90E-03	2.90E-03
2141	494661.06	3859701.99	0.09214	2.72E-03	2.77E-03	2.77E-03
2142	494711.06	3859701.99	0.09149	2.70E-03	2.75E-03	2.75E-03
2143	494761.06	3859701.99	0.08942	2.63E-03	2.69E-03	2.69E-03
2144	494811.06	3859701.99	0.08736	2.57E-03	2.63E-03	2.62E-03
2145	494861.06	3859701.99	0.0869	2.56E-03	2.61E-03	2.61E-03
2146	494911.06	3859701.99	0.08521	2.51E-03	2.56E-03	2.56E-03
2147	494961.06	3859701.99	0.08362	2.46E-03	2.51E-03	2.51E-03
2148	495011.06	3859701.99	0.08264	2.44E-03	2.48E-03	2.48E-03
2149	495061.06	3859701.99	0.08133	2.40E-03	2.45E-03	2.44E-03
2150	495111.06	3859701.99	0.08003	2.36E-03	2.41E-03	2.40E-03
2151	495161.06	3859701.99	0.07863	2.32E-03	2.36E-03	2.36E-03
2152	495211.06	3859701.99	0.0772	2.27E-03	2.32E-03	2.32E-03
2153	495261.06	3859701.99	0.0767	2.26E-03	2.31E-03	2.30E-03
2154	495311.06	3859701.99	0.07541	2.22E-03	2.27E-03	2.26E-03
2155	495361.06	3859701.99	0.07424	2.19E-03	2.23E-03	2.23E-03
2156	495411.06	3859701.99	0.07274	2.14E-03	2.19E-03	2.18E-03
2157	495461.06	3859701.99	0.07156	2.11E-03	2.15E-03	2.15E-03
2158	495511.06	3859701.99	0.0696	2.05E-03	2.09E-03	2.09E-03
2159	495561.06	3859701.99	0.06937	2.04E-03	2.09E-03	2.08E-03
2160	495611.06	3859701.99	0.06834	2.01E-03	2.05E-03	2.05E-03
2161	495661.06	3859701.99	0.06723	1.98E-03	2.02E-03	2.02E-03
2162	494311.06	3859751.99	0.10872	3.20E-03	3.27E-03	3.27E-03
2163	494361.06	3859751.99	0.10658	3.14E-03	3.20E-03	3.20E-03
2164	494411.06	3859751.99	0.10406	3.07E-03	3.13E-03	3.13E-03
2165	494461.06	3859751.99	0.10391	3.06E-03	3.12E-03	3.12E-03
2166	494511.06	3859751.99	0.10305	3.04E-03	3.10E-03	3.09E-03
2167	494561.06	3859751.99	0.10112	2.98E-03	3.04E-03	3.04E-03
2168	494611.06	3859751.99	0.09873	2.91E-03	2.97E-03	2.97E-03
2169	494661.06	3859751.99	0.09493	2.80E-03	2.85E-03	2.85E-03
2170	494711.06	3859751.99	0.09453	2.79E-03	2.84E-03	2.84E-03
2171	494761.06	3859751.99	0.09323	2.75E-03	2.80E-03	2.80E-03
2172	494811.06	3859751.99	0.09124	2.69E-03	2.74E-03	2.74E-03
2173	494861.06	3859751.99	0.08981	2.65E-03	2.70E-03	2.70E-03
2174	494911.06	3859751.99	0.08836	2.60E-03	2.66E-03	2.65E-03
2175	494961.06	3859751.99	0.08695	2.56E-03	2.61E-03	2.61E-03
2176	495011.06	3859751.99	0.08545	2.52E-03	2.57E-03	2.57E-03
2177	495061.06	3859751.99	0.08439	2.49E-03	2.54E-03	2.53E-03
2178	495111.06	3859751.99	0.08297	2.44E-03	2.49E-03	2.49E-03
2179	495161.06	3859751.99	0.08145	2.40E-03	2.45E-03	2.45E-03
2180	495211.06	3859751.99	0.07992	2.35E-03	2.40E-03	2.40E-03
2181	495261.06	3859751.99	0.07888	2.32E-03	2.37E-03	2.37E-03
2182	495311.06	3859751.99	0.07755	2.29E-03	2.33E-03	2.33E-03
2183	495361.06	3859751.99	0.07635	2.25E-03	2.30E-03	2.29E-03
2184	495411.06	3859751.99	0.0752	2.22E-03	2.26E-03	2.26E-03
2185	495461.06	3859751.99	0.07361	2.17E-03	2.21E-03	2.21E-03
2186	495511.06	3859751.99	0.07207	2.12E-03	2.17E-03	2.16E-03
2187	495561.06	3859751.99	0.07098	2.09E-03	2.13E-03	2.13E-03
2188	495611.06	3859751.99	0.06992	2.06E-03	2.10E-03	2.10E-03
2189	495661.06	3859751.99	0.06911	2.04E-03	2.08E-03	2.08E-03
2190	494311.06	3859801.99	0.11283	3.32E-03	3.39E-03	3.39E-03
2191	494361.06	3859801.99	0.10977	3.23E-03	3.30E-03	3.30E-03
2192	494411.06	3859801.99	0.10663	3.14E-03	3.21E-03	3.20E-03
2193	494461.06	3859801.99	0.10626	3.13E-03	3.20E-03	3.19E-03
2194	494511.06	3859801.99	0.1061	3.13E-03	3.19E-03	3.19E-03
2195	494561.06	3859801.99	0.10418	3.07E-03	3.13E-03	3.13E-03
2196	494611.06	3859801.99	0.10069	2.97E-03	3.03E-03	3.02E-03
2197	494661.06	3859801.99	0.09864	2.91E-03	2.97E-03	2.96E-03
2198	494711.06	3859801.99	0.09624	2.84E-03	2.89E-03	2.89E-03
2199	494761.06	3859801.99	0.09604	2.83E-03	2.89E-03	2.88E-03
2200	494811.06	3859801.99	0.09415	2.77E-03	2.83E-03	2.83E-03
2201	494861.06	3859801.99	0.09279	2.73E-03	2.79E-03	2.79E-03

2202	494911.06	3859801.99	0.09081	2.68E-03	2.73E-03	2.73E-03
2203	494961.06	3859801.99	0.08934	2.63E-03	2.69E-03	2.68E-03
2204	495011.06	3859801.99	0.08782	2.59E-03	2.64E-03	2.64E-03
2205	495061.06	3859801.99	0.08658	2.55E-03	2.60E-03	2.60E-03
2206	495111.06	3859801.99	0.08489	2.50E-03	2.55E-03	2.55E-03
2207	495161.06	3859801.99	0.08334	2.46E-03	2.51E-03	2.50E-03
2208	495211.06	3859801.99	0.08219	2.42E-03	2.47E-03	2.47E-03
2209	495261.06	3859801.99	0.08065	2.38E-03	2.42E-03	2.42E-03
2210	495311.06	3859801.99	0.07962	2.35E-03	2.39E-03	2.39E-03
2211	495361.06	3859801.99	0.07827	2.31E-03	2.35E-03	2.35E-03
2212	495411.06	3859801.99	0.07676	2.26E-03	2.31E-03	2.31E-03
2213	495461.06	3859801.99	0.07554	2.23E-03	2.27E-03	2.27E-03
2214	495511.06	3859801.99	0.07386	2.18E-03	2.22E-03	2.22E-03
2215	495561.06	3859801.99	0.07285	2.15E-03	2.19E-03	2.19E-03
2216	495611.06	3859801.99	0.07226	2.13E-03	2.17E-03	2.17E-03
2217	495661.06	3859801.99	0.07081	2.09E-03	2.13E-03	2.13E-03
2218	494311.06	3859851.99	0.11574	3.41E-03	3.48E-03	3.48E-03
2219	494361.06	3859851.99	0.11308	3.33E-03	3.40E-03	3.40E-03
2220	494411.06	3859851.99	0.1102	3.25E-03	3.31E-03	3.31E-03
2221	494461.06	3859851.99	0.10803	3.18E-03	3.25E-03	3.24E-03
2222	494511.06	3859851.99	0.10717	3.16E-03	3.22E-03	3.22E-03
2223	494561.06	3859851.99	0.10662	3.14E-03	3.21E-03	3.20E-03
2224	494611.06	3859851.99	0.10284	3.03E-03	3.09E-03	3.09E-03
2225	494661.06	3859851.99	0.10177	3.00E-03	3.06E-03	3.06E-03
2226	494711.06	3859851.99	0.09899	2.92E-03	2.98E-03	2.97E-03
2227	494761.06	3859851.99	0.09853	2.90E-03	2.96E-03	2.96E-03
2228	494811.06	3859851.99	0.09669	2.85E-03	2.91E-03	2.90E-03
2229	494861.06	3859851.99	0.09547	2.81E-03	2.87E-03	2.87E-03
2230	494911.06	3859851.99	0.09346	2.75E-03	2.81E-03	2.81E-03
2231	494961.06	3859851.99	0.09191	2.71E-03	2.76E-03	2.76E-03
2232	495011.06	3859851.99	0.09036	2.66E-03	2.72E-03	2.71E-03
2233	495061.06	3859851.99	0.08908	2.62E-03	2.68E-03	2.68E-03
2234	495111.06	3859851.99	0.08721	2.57E-03	2.62E-03	2.62E-03
2235	495161.06	3859851.99	0.08567	2.52E-03	2.58E-03	2.57E-03
2236	495211.06	3859851.99	0.08427	2.48E-03	2.53E-03	2.53E-03
2237	495261.06	3859851.99	0.0828	2.44E-03	2.49E-03	2.49E-03
2238	495311.06	3859851.99	0.08163	2.41E-03	2.45E-03	2.45E-03
2239	495361.06	3859851.99	0.08035	2.37E-03	2.42E-03	2.41E-03
2240	495411.06	3859851.99	0.07882	2.32E-03	2.37E-03	2.37E-03
2241	495461.06	3859851.99	0.07737	2.28E-03	2.33E-03	2.32E-03
2242	495511.06	3859851.99	0.0758	2.23E-03	2.28E-03	2.28E-03
2243	495561.06	3859851.99	0.07489	2.21E-03	2.25E-03	2.25E-03
2244	495611.06	3859851.99	0.07393	2.18E-03	2.22E-03	2.22E-03
2245	495661.06	3859851.99	0.07249	2.14E-03	2.18E-03	2.18E-03
2246	494311.06	3859901.99	0.11821	3.48E-03	3.55E-03	3.55E-03
2247	494361.06	3859901.99	0.11439	3.37E-03	3.44E-03	3.44E-03
2248	494411.06	3859901.99	0.11299	3.33E-03	3.40E-03	3.39E-03
2249	494461.06	3859901.99	0.11081	3.27E-03	3.33E-03	3.33E-03
2250	494511.06	3859901.99	0.10932	3.22E-03	3.29E-03	3.28E-03
2251	494561.06	3859901.99	0.10923	3.22E-03	3.28E-03	3.28E-03
2252	494611.06	3859901.99	0.10518	3.10E-03	3.16E-03	3.16E-03
2253	494661.06	3859901.99	0.10478	3.09E-03	3.15E-03	3.15E-03
2254	494711.06	3859901.99	0.10103	2.98E-03	3.04E-03	3.03E-03
2255	494761.06	3859901.99	0.10017	2.95E-03	3.01E-03	3.01E-03
2256	494811.06	3859901.99	0.09934	2.93E-03	2.99E-03	2.98E-03
2257	494861.06	3859901.99	0.09798	2.89E-03	2.95E-03	2.94E-03
2258	494911.06	3859901.99	0.09587	2.82E-03	2.88E-03	2.88E-03
2259	494961.06	3859901.99	0.09447	2.78E-03	2.84E-03	2.84E-03
2260	495011.06	3859901.99	0.09263	2.73E-03	2.79E-03	2.78E-03
2261	495061.06	3859901.99	0.09103	2.68E-03	2.74E-03	2.73E-03
2262	495111.06	3859901.99	0.08909	2.63E-03	2.68E-03	2.68E-03
2263	495161.06	3859901.99	0.08732	2.57E-03	2.63E-03	2.62E-03
2264	495211.06	3859901.99	0.08622	2.54E-03	2.59E-03	2.59E-03

2265	495261.06	3859901.99	0.08428	2.48E-03	2.53E-03	2.53E-03
2266	495311.06	3859901.99	0.08325	2.45E-03	2.50E-03	2.50E-03
2267	495361.06	3859901.99	0.08179	2.41E-03	2.46E-03	2.46E-03
2268	495411.06	3859901.99	0.08018	2.36E-03	2.41E-03	2.41E-03
2269	495461.06	3859901.99	0.07877	2.32E-03	2.37E-03	2.37E-03
2270	495511.06	3859901.99	0.07774	2.29E-03	2.34E-03	2.33E-03
2271	495561.06	3859901.99	0.07673	2.26E-03	2.31E-03	2.30E-03
2272	495611.06	3859901.99	0.07532	2.22E-03	2.26E-03	2.26E-03
2273	495661.06	3859901.99	0.07386	2.18E-03	2.22E-03	2.22E-03
2274	494311.06	3859951.99	0.12095	3.56E-03	3.64E-03	3.63E-03
2275	494361.06	3859951.99	0.11801	3.48E-03	3.55E-03	3.54E-03
2276	494411.06	3859951.99	0.11539	3.40E-03	3.47E-03	3.47E-03
2277	494461.06	3859951.99	0.11319	3.34E-03	3.40E-03	3.40E-03
2278	494511.06	3859951.99	0.11169	3.29E-03	3.36E-03	3.35E-03
2279	494561.06	3859951.99	0.11196	3.30E-03	3.37E-03	3.36E-03
2280	494611.06	3859951.99	0.10822	3.19E-03	3.25E-03	3.25E-03
2281	494661.06	3859951.99	0.10756	3.17E-03	3.23E-03	3.23E-03
2282	494711.06	3859951.99	0.10423	3.07E-03	3.13E-03	3.13E-03
2283	494761.06	3859951.99	0.10286	3.03E-03	3.09E-03	3.09E-03
2284	494811.06	3859951.99	0.10129	2.98E-03	3.05E-03	3.04E-03
2285	494861.06	3859951.99	0.10027	2.95E-03	3.01E-03	3.01E-03
2286	494911.06	3859951.99	0.09806	2.89E-03	2.95E-03	2.94E-03
2287	494961.06	3859951.99	0.09607	2.83E-03	2.89E-03	2.89E-03
2288	495011.06	3859951.99	0.09428	2.78E-03	2.83E-03	2.83E-03
2289	495061.06	3859951.99	0.09279	2.73E-03	2.79E-03	2.79E-03
2290	495111.06	3859951.99	0.09082	2.68E-03	2.73E-03	2.73E-03
2291	495161.06	3859951.99	0.08897	2.62E-03	2.68E-03	2.67E-03
2292	495211.06	3859951.99	0.0872	2.57E-03	2.62E-03	2.62E-03
2293	495261.06	3859951.99	0.08573	2.53E-03	2.58E-03	2.57E-03
2294	495311.06	3859951.99	0.08478	2.50E-03	2.55E-03	2.55E-03
2295	495361.06	3859951.99	0.0835	2.46E-03	2.51E-03	2.51E-03
2296	495411.06	3859951.99	0.08187	2.41E-03	2.46E-03	2.46E-03
2297	495461.06	3859951.99	0.08044	2.37E-03	2.42E-03	2.42E-03
2298	495511.06	3859951.99	0.07901	2.33E-03	2.38E-03	2.37E-03
2299	495561.06	3859951.99	0.07828	2.31E-03	2.35E-03	2.35E-03
2300	495611.06	3859951.99	0.07683	2.26E-03	2.31E-03	2.31E-03
2301	495661.06	3859951.99	0.07522	2.22E-03	2.26E-03	2.26E-03
2302	494311.06	3860001.99	0.12325	3.63E-03	3.71E-03	3.70E-03
2303	494361.06	3860001.99	0.12077	3.56E-03	3.63E-03	3.63E-03
2304	494411.06	3860001.99	0.11737	3.46E-03	3.53E-03	3.52E-03
2305	494461.06	3860001.99	0.1156	3.41E-03	3.48E-03	3.47E-03
2306	494511.06	3860001.99	0.11302	3.33E-03	3.40E-03	3.39E-03
2307	494561.06	3860001.99	0.1141	3.36E-03	3.43E-03	3.43E-03
2308	494611.06	3860001.99	0.11137	3.28E-03	3.35E-03	3.34E-03
2309	494661.06	3860001.99	0.10967	3.23E-03	3.30E-03	3.29E-03
2310	494711.06	3860001.99	0.1052	3.10E-03	3.16E-03	3.16E-03
2311	494761.06	3860001.99	0.10498	3.09E-03	3.16E-03	3.15E-03
2312	494811.06	3860001.99	0.10361	3.05E-03	3.12E-03	3.11E-03
2313	494861.06	3860001.99	0.10248	3.02E-03	3.08E-03	3.08E-03
2314	494911.06	3860001.99	0.09866	2.91E-03	2.97E-03	2.96E-03
2315	494961.06	3860001.99	0.0975	2.87E-03	2.93E-03	2.93E-03
2316	495011.06	3860001.99	0.09551	2.81E-03	2.87E-03	2.87E-03
2317	495061.06	3860001.99	0.09446	2.78E-03	2.84E-03	2.84E-03
2318	495111.06	3860001.99	0.09248	2.73E-03	2.78E-03	2.78E-03
2319	495161.06	3860001.99	0.09057	2.67E-03	2.72E-03	2.72E-03
2320	495211.06	3860001.99	0.08953	2.64E-03	2.69E-03	2.69E-03
2321	495261.06	3860001.99	0.08782	2.59E-03	2.64E-03	2.64E-03
2322	495311.06	3860001.99	0.08648	2.55E-03	2.60E-03	2.60E-03
2323	495361.06	3860001.99	0.08425	2.48E-03	2.53E-03	2.53E-03
2324	495411.06	3860001.99	0.08352	2.46E-03	2.51E-03	2.51E-03
2325	495461.06	3860001.99	0.08211	2.42E-03	2.47E-03	2.47E-03
2326	495511.06	3860001.99	0.08078	2.38E-03	2.43E-03	2.43E-03
2327	495561.06	3860001.99	0.07985	2.35E-03	2.40E-03	2.40E-03

2328	495611.06	3860001.99	0.07826	2.31E-03	2.35E-03	2.35E-03
2329	495661.06	3860001.99	0.07676	2.26E-03	2.31E-03	2.31E-03
2330	494411.06	3860051.99	0.11988	3.53E-03	3.60E-03	3.60E-03
2331	494461.06	3860051.99	0.11744	3.46E-03	3.53E-03	3.53E-03
2332	494511.06	3860051.99	0.11524	3.40E-03	3.47E-03	3.46E-03
2333	494561.06	3860051.99	0.11483	3.38E-03	3.45E-03	3.45E-03
2334	494611.06	3860051.99	0.11336	3.34E-03	3.41E-03	3.40E-03
2335	494661.06	3860051.99	0.11163	3.29E-03	3.36E-03	3.35E-03
2336	494711.06	3860051.99	0.10836	3.19E-03	3.26E-03	3.25E-03
2337	494761.06	3860051.99	0.10686	3.15E-03	3.21E-03	3.21E-03
2338	494811.06	3860051.99	0.10599	3.12E-03	3.19E-03	3.18E-03
2339	494861.06	3860051.99	0.10494	3.09E-03	3.16E-03	3.15E-03
2340	494911.06	3860051.99	0.10242	3.02E-03	3.08E-03	3.08E-03
2341	494961.06	3860051.99	0.09986	2.94E-03	3.00E-03	3.00E-03
2342	495011.06	3860051.99	0.09766	2.88E-03	2.94E-03	2.93E-03
2343	495061.06	3860051.99	0.09588	2.83E-03	2.88E-03	2.88E-03
2344	495111.06	3860051.99	0.09363	2.76E-03	2.82E-03	2.81E-03
2345	495161.06	3860051.99	0.092	2.71E-03	2.77E-03	2.76E-03
2346	495211.06	3860051.99	0.09019	2.66E-03	2.71E-03	2.71E-03
2347	495261.06	3860051.99	0.08889	2.62E-03	2.67E-03	2.67E-03
2348	495311.06	3860051.99	0.08777	2.59E-03	2.64E-03	2.64E-03
2349	495361.06	3860051.99	0.08644	2.55E-03	2.60E-03	2.60E-03
2350	495411.06	3860051.99	0.08504	2.51E-03	2.56E-03	2.55E-03
2351	495461.06	3860051.99	0.08352	2.46E-03	2.51E-03	2.51E-03
2352	495511.06	3860051.99	0.0824	2.43E-03	2.48E-03	2.47E-03
2353	495561.06	3860051.99	0.08109	2.39E-03	2.44E-03	2.44E-03
2354	495611.06	3860051.99	0.07965	2.35E-03	2.39E-03	2.39E-03
2355	495661.06	3860051.99	0.07796	2.30E-03	2.34E-03	2.34E-03
2356	494411.06	3860101.99	0.12015	3.54E-03	3.61E-03	3.61E-03
2357	494461.06	3860101.99	0.11942	3.52E-03	3.59E-03	3.59E-03
2358	494511.06	3860101.99	0.11619	3.42E-03	3.49E-03	3.49E-03
2359	494561.06	3860101.99	0.11485	3.38E-03	3.45E-03	3.45E-03
2360	494611.06	3860101.99	0.11436	3.37E-03	3.44E-03	3.43E-03
2361	494661.06	3860101.99	0.11283	3.32E-03	3.39E-03	3.39E-03
2362	494711.06	3860101.99	0.1099	3.24E-03	3.30E-03	3.30E-03
2363	494761.06	3860101.99	0.1083	3.19E-03	3.26E-03	3.25E-03
2364	494811.06	3860101.99	0.10684	3.15E-03	3.21E-03	3.21E-03
2365	494861.06	3860101.99	0.10717	3.16E-03	3.22E-03	3.22E-03
2366	494911.06	3860101.99	0.10262	3.02E-03	3.09E-03	3.08E-03
2367	494961.06	3860101.99	0.10101	2.98E-03	3.04E-03	3.03E-03
2368	495011.06	3860101.99	0.09884	2.91E-03	2.97E-03	2.97E-03
2369	495061.06	3860101.99	0.09685	2.85E-03	2.91E-03	2.91E-03
2370	495111.06	3860101.99	0.09452	2.79E-03	2.84E-03	2.84E-03
2371	495161.06	3860101.99	0.09322	2.75E-03	2.80E-03	2.80E-03
2372	495211.06	3860101.99	0.09162	2.70E-03	2.75E-03	2.75E-03
2373	495261.06	3860101.99	0.09003	2.65E-03	2.71E-03	2.70E-03
2374	495311.06	3860101.99	0.08866	2.61E-03	2.67E-03	2.66E-03
2375	495361.06	3860101.99	0.08759	2.58E-03	2.63E-03	2.63E-03
2376	495411.06	3860101.99	0.08609	2.54E-03	2.59E-03	2.59E-03
2377	495461.06	3860101.99	0.08419	2.48E-03	2.53E-03	2.53E-03
2378	495511.06	3860101.99	0.08322	2.45E-03	2.50E-03	2.50E-03
2379	495561.06	3860101.99	0.08225	2.42E-03	2.47E-03	2.47E-03
2380	495611.06	3860101.99	0.08047	2.37E-03	2.42E-03	2.42E-03
2381	495661.06	3860101.99	0.07924	2.33E-03	2.38E-03	2.38E-03
2382	494861.06	3860151.99	0.10886	3.21E-03	3.27E-03	3.27E-03
2383	494911.06	3860151.99	0.10412	3.07E-03	3.13E-03	3.13E-03
2384	494961.06	3860151.99	0.10203	3.01E-03	3.07E-03	3.06E-03
2385	495011.06	3860151.99	0.09985	2.94E-03	3.00E-03	3.00E-03
2386	495061.06	3860151.99	0.09777	2.88E-03	2.94E-03	2.94E-03
2387	495111.06	3860151.99	0.09602	2.83E-03	2.89E-03	2.88E-03
2388	495161.06	3860151.99	0.09444	2.78E-03	2.84E-03	2.84E-03
2389	495211.06	3860151.99	0.09272	2.73E-03	2.79E-03	2.78E-03
2390	495261.06	3860151.99	0.09129	2.69E-03	2.74E-03	2.74E-03

2391	495311.06	3860151.99	0.08986	2.65E-03	2.70E-03	2.70E-03
2392	495361.06	3860151.99	0.08854	2.61E-03	2.66E-03	2.66E-03
2393	495411.06	3860151.99	0.08707	2.57E-03	2.62E-03	2.61E-03
2394	495461.06	3860151.99	0.08569	2.52E-03	2.58E-03	2.57E-03
2395	495511.06	3860151.99	0.08414	2.48E-03	2.53E-03	2.53E-03
2396	495561.06	3860151.99	0.08296	2.44E-03	2.49E-03	2.49E-03
2397	495611.06	3860151.99	0.08152	2.40E-03	2.45E-03	2.45E-03
2398	495661.06	3860151.99	0.08001	2.36E-03	2.41E-03	2.40E-03
2399	495718.25	3859442.96	0.05694	1.68E-03	1.71E-03	1.71E-03
2400	495818.25	3859442.96	0.05528	1.63E-03	1.66E-03	1.66E-03
2401	495918.25	3859442.96	0.054	1.59E-03	1.62E-03	1.62E-03
2402	496018.25	3859442.96	0.05288	1.56E-03	1.59E-03	1.59E-03
2403	496118.25	3859442.96	0.05282	1.56E-03	1.59E-03	1.59E-03
2404	496218.25	3859442.96	0.05263	1.55E-03	1.58E-03	1.58E-03
2405	496318.25	3859442.96	0.05164	1.52E-03	1.55E-03	1.55E-03
2406	496418.25	3859442.96	0.05061	1.49E-03	1.52E-03	1.52E-03
2407	495718.25	3859542.96	0.06054	1.78E-03	1.82E-03	1.82E-03
2408	495818.25	3859542.96	0.05904	1.74E-03	1.78E-03	1.77E-03
2409	495918.25	3859542.96	0.05735	1.69E-03	1.72E-03	1.72E-03
2410	496018.25	3859542.96	0.05591	1.65E-03	1.68E-03	1.68E-03
2411	496118.25	3859542.96	0.05578	1.64E-03	1.68E-03	1.68E-03
2412	496218.25	3859542.96	0.05531	1.63E-03	1.66E-03	1.66E-03
2413	496318.25	3859542.96	0.05463	1.61E-03	1.64E-03	1.64E-03
2414	496418.25	3859542.96	0.05324	1.57E-03	1.60E-03	1.60E-03
2415	495718.25	3859642.96	0.06374	1.88E-03	1.92E-03	1.91E-03
2416	495818.25	3859642.96	0.06188	1.82E-03	1.86E-03	1.86E-03
2417	495918.25	3859642.96	0.06053	1.78E-03	1.82E-03	1.82E-03
2418	496018.25	3859642.96	0.05893	1.74E-03	1.77E-03	1.77E-03
2419	496118.25	3859642.96	0.05896	1.74E-03	1.77E-03	1.77E-03
2420	496218.25	3859642.96	0.05858	1.73E-03	1.76E-03	1.76E-03
2421	496318.25	3859642.96	0.05723	1.69E-03	1.72E-03	1.72E-03
2422	496418.25	3859642.96	0.05386	1.59E-03	1.62E-03	1.62E-03
2423	495718.25	3859742.96	0.06766	1.99E-03	2.03E-03	2.03E-03
2424	495818.25	3859742.96	0.06533	1.93E-03	1.96E-03	1.96E-03
2425	495918.25	3859742.96	0.06355	1.87E-03	1.91E-03	1.91E-03
2426	496018.25	3859742.96	0.06173	1.82E-03	1.86E-03	1.85E-03
2427	496118.25	3859742.96	0.06151	1.81E-03	1.85E-03	1.85E-03
2428	496218.25	3859742.96	0.0616	1.82E-03	1.85E-03	1.85E-03
2429	496318.25	3859742.96	0.05826	1.72E-03	1.75E-03	1.75E-03
2430	496418.25	3859742.96	0.05521	1.63E-03	1.66E-03	1.66E-03
2431	495718.25	3859842.96	0.071	2.09E-03	2.13E-03	2.13E-03
2432	495818.25	3859842.96	0.0689	2.03E-03	2.07E-03	2.07E-03
2433	495918.25	3859842.96	0.06684	1.97E-03	2.01E-03	2.01E-03
2434	496018.25	3859842.96	0.06543	1.93E-03	1.97E-03	1.97E-03
2435	496118.25	3859842.96	0.06558	1.93E-03	1.97E-03	1.97E-03
2436	496218.25	3859842.96	0.06223	1.83E-03	1.87E-03	1.87E-03
2437	496318.25	3859842.96	0.05667	1.67E-03	1.70E-03	1.70E-03
2438	496418.25	3859842.96	0.0533	1.57E-03	1.60E-03	1.60E-03
2439	495718.25	3859942.96	0.07387	2.18E-03	2.22E-03	2.22E-03
2440	495818.25	3859942.96	0.07148	2.11E-03	2.15E-03	2.15E-03
2441	495918.25	3859942.96	0.0697	2.05E-03	2.10E-03	2.09E-03
2442	496018.25	3859942.96	0.0692	2.04E-03	2.08E-03	2.08E-03
2443	496118.25	3859942.96	0.0661	1.95E-03	1.99E-03	1.99E-03
2444	496218.25	3859942.96	0.06179	1.82E-03	1.86E-03	1.86E-03
2445	496318.25	3859942.96	0.05778	1.70E-03	1.74E-03	1.74E-03
2446	496418.25	3859942.96	0.05317	1.57E-03	1.60E-03	1.60E-03
2447	496856.82	3858864.83	0.0336	9.90E-04	1.01E-03	1.01E-03
2448	496956.82	3858864.83	0.033	9.72E-04	9.92E-04	9.91E-04
2449	497056.82	3858864.83	0.03244	9.56E-04	9.75E-04	9.74E-04
2450	497156.82	3858864.83	0.03178	9.36E-04	9.56E-04	9.54E-04
2451	497256.82	3858864.83	0.03149	9.28E-04	9.47E-04	9.46E-04
2452	496856.82	3858964.83	0.0357	1.05E-03	1.07E-03	1.07E-03
2453	496956.82	3858964.83	0.03482	1.03E-03	1.05E-03	1.05E-03

2454	497056.82	3858964.83	0.03414	1.01E-03	1.03E-03	1.03E-03
2455	497156.82	3858964.83	0.03345	9.86E-04	1.01E-03	1.00E-03
2456	497256.82	3858964.83	0.03352	9.88E-04	1.01E-03	1.01E-03
2457	496856.82	3859064.83	0.03739	1.10E-03	1.12E-03	1.12E-03
2458	496956.82	3859064.83	0.03658	1.08E-03	1.10E-03	1.10E-03
2459	497056.82	3859064.83	0.03589	1.06E-03	1.08E-03	1.08E-03
2460	497156.82	3859064.83	0.03527	1.04E-03	1.06E-03	1.06E-03
2461	497256.82	3859064.83	0.03559	1.05E-03	1.07E-03	1.07E-03
2462	496856.82	3859164.83	0.03873	1.14E-03	1.16E-03	1.16E-03
2463	496956.82	3859164.83	0.03781	1.11E-03	1.14E-03	1.14E-03
2464	497056.82	3859164.83	0.03729	1.10E-03	1.12E-03	1.12E-03
2465	497156.82	3859164.83	0.03722	1.10E-03	1.12E-03	1.12E-03
2466	497256.82	3859164.83	0.03771	1.11E-03	1.13E-03	1.13E-03
2467	496856.82	3859264.83	0.03977	1.17E-03	1.20E-03	1.19E-03
2468	496956.82	3859264.83	0.03937	1.16E-03	1.18E-03	1.18E-03
2469	497056.82	3859264.83	0.03932	1.16E-03	1.18E-03	1.18E-03
2470	497156.82	3859264.83	0.03921	1.16E-03	1.18E-03	1.18E-03
2471	497256.82	3859264.83	0.03956	1.17E-03	1.19E-03	1.19E-03
2472	497088.92	3858620.93	0.02785	8.21E-04	8.37E-04	8.36E-04
2473	497138.92	3858620.93	0.02779	8.19E-04	8.36E-04	8.35E-04
2474	497188.92	3858620.93	0.02768	8.16E-04	8.32E-04	8.31E-04
2475	497238.92	3858620.93	0.02753	8.11E-04	8.28E-04	8.27E-04
2476	497088.92	3858670.93	0.0285	8.40E-04	8.57E-04	8.56E-04
2477	497138.92	3858670.93	0.02856	8.42E-04	8.59E-04	8.58E-04
2478	497188.92	3858670.93	0.02832	8.34E-04	8.52E-04	8.51E-04
2479	497238.92	3858670.93	0.02824	8.32E-04	8.49E-04	8.48E-04
2480	497088.92	3858720.93	0.02958	8.72E-04	8.89E-04	8.88E-04
2481	497138.92	3858720.93	0.02895	8.53E-04	8.70E-04	8.69E-04
2482	497188.92	3858720.93	0.02878	8.48E-04	8.65E-04	8.64E-04
2483	497238.92	3858720.93	0.02903	8.55E-04	8.73E-04	8.72E-04
2484	497088.92	3858770.93	0.03029	8.93E-04	9.11E-04	9.10E-04
2485	497138.92	3858770.93	0.02998	8.83E-04	9.01E-04	9.00E-04
2486	497188.92	3858770.93	0.02966	8.74E-04	8.92E-04	8.91E-04
2487	497238.92	3858770.93	0.02984	8.79E-04	8.97E-04	8.96E-04
2488	497396.65	3858622.63	0.02837	8.36E-04	8.53E-04	8.52E-04
2489	497496.65	3858622.63	0.02882	8.49E-04	8.67E-04	8.66E-04
2490	497596.65	3858622.63	0.02967	8.74E-04	8.92E-04	8.91E-04
2491	497696.65	3858622.63	0.02998	8.83E-04	9.01E-04	9.00E-04
2492	497796.65	3858622.63	0.03055	9.00E-04	9.19E-04	9.17E-04
2493	497896.65	3858622.63	0.03114	9.18E-04	9.36E-04	9.35E-04
2494	497396.65	3858722.63	0.03003	8.85E-04	9.03E-04	9.02E-04
2495	497496.65	3858722.63	0.03048	8.98E-04	9.16E-04	9.15E-04
2496	497596.65	3858722.63	0.03135	9.24E-04	9.43E-04	9.42E-04
2497	497696.65	3858722.63	0.03181	9.37E-04	9.56E-04	9.55E-04
2498	497796.65	3858722.63	0.03202	9.44E-04	9.63E-04	9.62E-04
2499	497896.65	3858722.63	0.03241	9.55E-04	9.75E-04	9.73E-04
2500	497396.65	3858822.63	0.03149	9.28E-04	9.47E-04	9.46E-04
2501	497496.65	3858822.63	0.03184	9.38E-04	9.57E-04	9.56E-04
2502	497596.65	3858822.63	0.03277	9.66E-04	9.85E-04	9.84E-04
2503	497696.65	3858822.63	0.03319	9.78E-04	9.98E-04	9.97E-04
2504	497796.65	3858822.63	0.0333	9.81E-04	1.00E-03	1.00E-03
2505	497896.65	3858822.63	0.03412	1.01E-03	1.03E-03	1.02E-03
2506	497396.65	3858922.63	0.03305	9.74E-04	9.94E-04	9.93E-04
2507	497496.65	3858922.63	0.03392	9.99E-04	1.02E-03	1.02E-03
2508	497596.65	3858922.63	0.03374	9.94E-04	1.01E-03	1.01E-03
2509	497696.65	3858922.63	0.0347	1.02E-03	1.04E-03	1.04E-03
2510	497796.65	3858922.63	0.03534	1.04E-03	1.06E-03	1.06E-03
2511	497896.65	3858922.63	0.03625	1.07E-03	1.09E-03	1.09E-03
2512	497364.44	3858201.52	0.02351	6.93E-04	7.07E-04	7.06E-04
2513	497414.44	3858201.52	0.0237	6.98E-04	7.13E-04	7.12E-04
2514	497464.44	3858201.52	0.02391	7.05E-04	7.19E-04	7.18E-04
2515	497514.44	3858201.52	0.02407	7.09E-04	7.24E-04	7.23E-04
2516	497564.44	3858201.52	0.02402	7.08E-04	7.22E-04	7.21E-04

2517	497614.44	3858201.52	0.02408	7.10E-04	7.24E-04	7.23E-04
2518	497364.44	3858251.52	0.02425	7.15E-04	7.29E-04	7.28E-04
2519	497414.44	3858251.52	0.02457	7.24E-04	7.39E-04	7.38E-04
2520	497464.44	3858251.52	0.02442	7.20E-04	7.34E-04	7.33E-04
2521	497514.44	3858251.52	0.02423	7.14E-04	7.29E-04	7.28E-04
2522	497564.44	3858251.52	0.02419	7.13E-04	7.27E-04	7.26E-04
2523	497614.44	3858251.52	0.02415	7.12E-04	7.26E-04	7.25E-04
2524	497364.44	3858301.52	0.02471	7.28E-04	7.43E-04	7.42E-04
2525	497414.44	3858301.52	0.02493	7.35E-04	7.50E-04	7.49E-04
2526	497464.44	3858301.52	0.02472	7.28E-04	7.43E-04	7.42E-04
2527	497514.44	3858301.52	0.02459	7.25E-04	7.39E-04	7.39E-04
2528	497564.44	3858301.52	0.02438	7.18E-04	7.33E-04	7.32E-04
2529	497614.44	3858301.52	0.02432	7.17E-04	7.31E-04	7.30E-04
2530	497364.44	3858351.52	0.02528	7.45E-04	7.60E-04	7.59E-04
2531	497414.44	3858351.52	0.02515	7.41E-04	7.56E-04	7.55E-04
2532	497464.44	3858351.52	0.02511	7.40E-04	7.55E-04	7.54E-04
2533	497514.44	3858351.52	0.025	7.37E-04	7.52E-04	7.51E-04
2534	497564.44	3858351.52	0.02472	7.28E-04	7.43E-04	7.42E-04
2535	497614.44	3858351.52	0.02467	7.27E-04	7.42E-04	7.41E-04
2536	497364.44	3858401.52	0.02543	7.49E-04	7.65E-04	7.64E-04
2537	497414.44	3858401.52	0.02548	7.51E-04	7.66E-04	7.65E-04
2538	497464.44	3858401.52	0.02533	7.46E-04	7.62E-04	7.61E-04
2539	497514.44	3858401.52	0.02525	7.44E-04	7.59E-04	7.58E-04
2540	497564.44	3858401.52	0.02548	7.51E-04	7.66E-04	7.65E-04
2541	497614.44	3858401.52	0.02563	7.55E-04	7.71E-04	7.70E-04
2542	493478.11	3860497.94	0.18395	5.42E-03	5.53E-03	5.52E-03
2543	493528.11	3860497.94	0.17907	5.28E-03	5.38E-03	5.38E-03
2544	493478.11	3860547.94	0.17751	5.23E-03	5.34E-03	5.33E-03
2545	493528.11	3860547.94	0.17293	5.10E-03	5.20E-03	5.19E-03
2546	493478.11	3860597.94	0.17032	5.02E-03	5.12E-03	5.12E-03
2547	493528.11	3860597.94	0.16599	4.89E-03	4.99E-03	4.99E-03
2548	493561.88	3860524.64	0.17279	5.09E-03	5.20E-03	5.19E-03
2549	493591.88	3860524.64	0.1701	5.01E-03	5.11E-03	5.11E-03
2550	493561.88	3860554.64	0.16904	4.98E-03	5.08E-03	5.08E-03
2551	493591.88	3860554.64	0.16653	4.91E-03	5.01E-03	5.00E-03
2552	492880.5	3860293.11	0.30572	9.01E-03	9.19E-03	9.18E-03
2553	492930.5	3860293.11	0.29252	8.62E-03	8.80E-03	8.79E-03
2554	492980.5	3860293.11	0.27995	8.25E-03	8.42E-03	8.41E-03
2555	493030.5	3860293.11	0.26316	7.75E-03	7.91E-03	7.90E-03
2556	493080.5	3860293.11	0.2437	7.18E-03	7.33E-03	7.32E-03
2557	493130.5	3860293.11	0.24308	7.16E-03	7.31E-03	7.30E-03
2558	493180.5	3860293.11	0.23946	7.06E-03	7.20E-03	7.19E-03
2559	493230.5	3860293.11	0.23249	6.85E-03	6.99E-03	6.98E-03
2560	493280.5	3860293.11	0.22263	6.56E-03	6.69E-03	6.69E-03
2561	493330.5	3860293.11	0.21462	6.32E-03	6.45E-03	6.45E-03
2562	493380.5	3860293.11	0.20779	6.12E-03	6.25E-03	6.24E-03
2563	492880.5	3860343.11	0.30377	8.95E-03	9.13E-03	9.12E-03
2564	492930.5	3860343.11	0.2911	8.58E-03	8.75E-03	8.74E-03
2565	492980.5	3860343.11	0.2742	8.08E-03	8.24E-03	8.23E-03
2566	493030.5	3860343.11	0.26359	7.77E-03	7.93E-03	7.92E-03
2567	493080.5	3860343.11	0.24746	7.29E-03	7.44E-03	7.43E-03
2568	493130.5	3860343.11	0.24128	7.11E-03	7.25E-03	7.25E-03
2569	493180.5	3860343.11	0.23742	7.00E-03	7.14E-03	7.13E-03
2570	493230.5	3860343.11	0.23014	6.78E-03	6.92E-03	6.91E-03
2571	493280.5	3860343.11	0.22084	6.51E-03	6.64E-03	6.63E-03
2572	493330.5	3860343.11	0.2126	6.26E-03	6.39E-03	6.38E-03
2573	493380.5	3860343.11	0.20611	6.07E-03	6.20E-03	6.19E-03
2574	492880.5	3860393.11	0.29804	8.78E-03	8.96E-03	8.95E-03
2575	492930.5	3860393.11	0.28553	8.41E-03	8.59E-03	8.58E-03
2576	492980.5	3860393.11	0.27246	8.03E-03	8.19E-03	8.18E-03
2577	493030.5	3860393.11	0.26046	7.67E-03	7.83E-03	7.82E-03
2578	493080.5	3860393.11	0.24552	7.23E-03	7.38E-03	7.37E-03
2579	493130.5	3860393.11	0.23953	7.06E-03	7.20E-03	7.19E-03

2580	493180.5	3860393.11	0.2344	6.91E-03	7.05E-03	7.04E-03
2581	493230.5	3860393.11	0.22644	6.67E-03	6.81E-03	6.80E-03
2582	493280.5	3860393.11	0.2172	6.40E-03	6.53E-03	6.52E-03
2583	493330.5	3860393.11	0.20938	6.17E-03	6.30E-03	6.29E-03
2584	493380.5	3860393.11	0.20286	5.98E-03	6.10E-03	6.09E-03
2585	492880.5	3860443.11	0.28839	8.50E-03	8.67E-03	8.66E-03
2586	492930.5	3860443.11	0.2767	8.15E-03	8.32E-03	8.31E-03
2587	492980.5	3860443.11	0.26576	7.83E-03	7.99E-03	7.98E-03
2588	493030.5	3860443.11	0.25485	7.51E-03	7.66E-03	7.65E-03
2589	493080.5	3860443.11	0.24521	7.23E-03	7.37E-03	7.36E-03
2590	493130.5	3860443.11	0.23628	6.96E-03	7.10E-03	7.10E-03
2591	493180.5	3860443.11	0.22945	6.76E-03	6.90E-03	6.89E-03
2592	493230.5	3860443.11	0.22058	6.50E-03	6.63E-03	6.62E-03
2593	493280.5	3860443.11	0.21273	6.27E-03	6.40E-03	6.39E-03
2594	493330.5	3860443.11	0.20448	6.03E-03	6.15E-03	6.14E-03
2595	493380.5	3860443.11	0.19888	5.86E-03	5.98E-03	5.97E-03
2596	493180.5	3860493.11	0.22128	6.52E-03	6.65E-03	6.65E-03
2597	493230.5	3860493.11	0.21373	6.30E-03	6.43E-03	6.42E-03
2598	493280.5	3860493.11	0.20641	6.08E-03	6.21E-03	6.20E-03
2599	493330.5	3860493.11	0.19969	5.88E-03	6.00E-03	6.00E-03
2600	493380.5	3860493.11	0.19419	5.72E-03	5.84E-03	5.83E-03
2601	493330.5	3860543.11	0.19275	5.68E-03	5.80E-03	5.79E-03
2602	493380.5	3860543.11	0.18758	5.53E-03	5.64E-03	5.63E-03
2603	494135.94	3860876.85	0.10302	3.04E-03	3.10E-03	3.09E-03
2604	494185.94	3860876.85	0.1015	2.99E-03	3.05E-03	3.05E-03
2605	494135.94	3860926.85	0.09852	2.90E-03	2.96E-03	2.96E-03
2606	494185.94	3860926.85	0.09721	2.86E-03	2.92E-03	2.92E-03
2607	494135.94	3860976.85	0.09412	2.77E-03	2.83E-03	2.83E-03
2608	494185.94	3860976.85	0.09298	2.74E-03	2.80E-03	2.79E-03
2609	494135.94	3861026.85	0.08975	2.64E-03	2.70E-03	2.70E-03
2610	494185.94	3861026.85	0.08877	2.62E-03	2.67E-03	2.67E-03
2611	494135.94	3861076.85	0.08555	2.52E-03	2.57E-03	2.57E-03
2612	494185.94	3861076.85	0.08467	2.49E-03	2.55E-03	2.54E-03
2613	490360.04	3858710.04	0.16059	4.73E-03	4.83E-03	4.82E-03
2614	490410.04	3858710.04	0.15672	4.62E-03	4.71E-03	4.71E-03
2615	490460.04	3858710.04	0.15116	4.45E-03	4.55E-03	4.54E-03
2616	490510.04	3858710.04	0.14749	4.35E-03	4.43E-03	4.43E-03
2617	490560.04	3858710.04	0.14447	4.26E-03	4.34E-03	4.34E-03
2618	490610.04	3858710.04	0.14124	4.16E-03	4.25E-03	4.24E-03
2619	490660.04	3858710.04	0.13968	4.12E-03	4.20E-03	4.19E-03
2620	490710.04	3858710.04	0.13557	3.99E-03	4.08E-03	4.07E-03
2621	490760.04	3858710.04	0.13218	3.89E-03	3.97E-03	3.97E-03
2622	490810.04	3858710.04	0.12884	3.80E-03	3.87E-03	3.87E-03
2623	490860.04	3858710.04	0.1246	3.67E-03	3.75E-03	3.74E-03
2624	490360.04	3858760.04	0.18078	5.33E-03	5.44E-03	5.43E-03
2625	490410.04	3858760.04	0.17532	5.17E-03	5.27E-03	5.27E-03
2626	490460.04	3858760.04	0.16942	4.99E-03	5.09E-03	5.09E-03
2627	490510.04	3858760.04	0.16341	4.82E-03	4.91E-03	4.91E-03
2628	490560.04	3858760.04	0.15886	4.68E-03	4.78E-03	4.77E-03
2629	490610.04	3858760.04	0.15405	4.54E-03	4.63E-03	4.63E-03
2630	490660.04	3858760.04	0.14994	4.42E-03	4.51E-03	4.50E-03
2631	490710.04	3858760.04	0.14588	4.30E-03	4.39E-03	4.38E-03
2632	490760.04	3858760.04	0.14112	4.16E-03	4.24E-03	4.24E-03
2633	490810.04	3858760.04	0.13683	4.03E-03	4.11E-03	4.11E-03
2634	490860.04	3858760.04	0.13325	3.93E-03	4.01E-03	4.00E-03
2635	490360.04	3858810.04	0.20178	5.95E-03	6.07E-03	6.06E-03
2636	490410.04	3858810.04	0.19453	5.73E-03	5.85E-03	5.84E-03
2637	490460.04	3858810.04	0.18727	5.52E-03	5.63E-03	5.62E-03
2638	490510.04	3858810.04	0.18176	5.36E-03	5.47E-03	5.46E-03
2639	490560.04	3858810.04	0.17604	5.19E-03	5.29E-03	5.29E-03
2640	490610.04	3858810.04	0.16889	4.98E-03	5.08E-03	5.07E-03
2641	490660.04	3858810.04	0.16331	4.81E-03	4.91E-03	4.90E-03
2642	490710.04	3858810.04	0.15741	4.64E-03	4.73E-03	4.73E-03

2643	490760.04	3858810.04	0.15035	4.43E-03	4.52E-03	4.52E-03
2644	490810.04	3858810.04	0.14735	4.34E-03	4.43E-03	4.43E-03
2645	490860.04	3858810.04	0.14206	4.19E-03	4.27E-03	4.27E-03
2646	490360.04	3858860.04	0.22275	6.56E-03	6.70E-03	6.69E-03
2647	490410.04	3858860.04	0.21673	6.39E-03	6.52E-03	6.51E-03
2648	490460.04	3858860.04	0.20697	6.10E-03	6.22E-03	6.22E-03
2649	490510.04	3858860.04	0.20181	5.95E-03	6.07E-03	6.06E-03
2650	490560.04	3858860.04	0.19361	5.70E-03	5.82E-03	5.81E-03
2651	490610.04	3858860.04	0.18343	5.41E-03	5.52E-03	5.51E-03
2652	490660.04	3858860.04	0.17695	5.21E-03	5.32E-03	5.31E-03
2653	490710.04	3858860.04	0.17202	5.07E-03	5.17E-03	5.17E-03
2654	490760.04	3858860.04	0.16399	4.83E-03	4.93E-03	4.93E-03
2655	490810.04	3858860.04	0.15697	4.63E-03	4.72E-03	4.71E-03
2656	490860.04	3858860.04	0.15016	4.42E-03	4.52E-03	4.51E-03
2657	490360.04	3858910.04	0.25188	7.42E-03	7.57E-03	7.56E-03
2658	490410.04	3858910.04	0.24175	7.12E-03	7.27E-03	7.26E-03
2659	490460.04	3858910.04	0.23141	6.82E-03	6.96E-03	6.95E-03
2660	490510.04	3858910.04	0.22087	6.51E-03	6.64E-03	6.63E-03
2661	490560.04	3858910.04	0.21017	6.19E-03	6.32E-03	6.31E-03
2662	490610.04	3858910.04	0.19987	5.89E-03	6.01E-03	6.00E-03
2663	490660.04	3858910.04	0.1919	5.65E-03	5.77E-03	5.76E-03
2664	490710.04	3858910.04	0.1832	5.40E-03	5.51E-03	5.50E-03
2665	490760.04	3858910.04	0.17364	5.12E-03	5.22E-03	5.21E-03
2666	490810.04	3858910.04	0.16711	4.92E-03	5.02E-03	5.02E-03
2667	490860.04	3858910.04	0.15861	4.67E-03	4.77E-03	4.76E-03
2668	490360.04	3858960.04	0.27927	8.23E-03	8.40E-03	8.39E-03
2669	490410.04	3858960.04	0.26547	7.82E-03	7.98E-03	7.97E-03
2670	490460.04	3858960.04	0.25148	7.41E-03	7.56E-03	7.55E-03
2671	490510.04	3858960.04	0.2394	7.05E-03	7.20E-03	7.19E-03
2672	490560.04	3858960.04	0.22803	6.72E-03	6.86E-03	6.85E-03
2673	490610.04	3858960.04	0.21461	6.32E-03	6.45E-03	6.45E-03
2674	490660.04	3858960.04	0.20786	6.12E-03	6.25E-03	6.24E-03
2675	490710.04	3858960.04	0.19602	5.78E-03	5.89E-03	5.89E-03
2676	490760.04	3858960.04	0.18625	5.49E-03	5.60E-03	5.59E-03
2677	490810.04	3858960.04	0.17704	5.22E-03	5.32E-03	5.32E-03
2678	490860.04	3858960.04	0.16719	4.93E-03	5.03E-03	5.02E-03
2679	490360.04	3859010.04	0.30891	9.10E-03	9.29E-03	9.28E-03
2680	490410.04	3859010.04	0.29112	8.58E-03	8.75E-03	8.74E-03
2681	490460.04	3859010.04	0.27182	8.01E-03	8.17E-03	8.16E-03
2682	490510.04	3859010.04	0.25442	7.50E-03	7.65E-03	7.64E-03
2683	490560.04	3859010.04	0.24435	7.20E-03	7.35E-03	7.34E-03
2684	490610.04	3859010.04	0.22946	6.76E-03	6.90E-03	6.89E-03
2685	490660.04	3859010.04	0.22208	6.54E-03	6.68E-03	6.67E-03
2686	490710.04	3859010.04	0.20838	6.14E-03	6.27E-03	6.26E-03
2687	490760.04	3859010.04	0.1969	5.80E-03	5.92E-03	5.91E-03
2688	490810.04	3859010.04	0.18618	5.49E-03	5.60E-03	5.59E-03
2689	490860.04	3859010.04	0.17707	5.22E-03	5.32E-03	5.32E-03
2690	490360.04	3859060.04	0.33926	1.00E-02	1.02E-02	1.02E-02
2691	490410.04	3859060.04	0.3131	9.23E-03	9.41E-03	9.40E-03
2692	490460.04	3859060.04	0.29271	8.63E-03	8.80E-03	8.79E-03
2693	490510.04	3859060.04	0.27568	8.12E-03	8.29E-03	8.28E-03
2694	490560.04	3859060.04	0.25743	7.59E-03	7.74E-03	7.73E-03
2695	490610.04	3859060.04	0.24531	7.23E-03	7.38E-03	7.37E-03
2696	490660.04	3859060.04	0.23452	6.91E-03	7.05E-03	7.04E-03
2697	490710.04	3859060.04	0.21939	6.46E-03	6.60E-03	6.59E-03
2698	490760.04	3859060.04	0.20676	6.09E-03	6.22E-03	6.21E-03
2699	490810.04	3859060.04	0.19489	5.74E-03	5.86E-03	5.85E-03
2700	490860.04	3859060.04	0.18494	5.45E-03	5.56E-03	5.55E-03
2701	490360.04	3859110.04	0.37638	1.11E-02	1.13E-02	1.13E-02
2702	490410.04	3859110.04	0.34549	1.02E-02	1.04E-02	1.04E-02
2703	490460.04	3859110.04	0.32408	9.55E-03	9.74E-03	9.73E-03
2704	490510.04	3859110.04	0.29401	8.66E-03	8.84E-03	8.83E-03
2705	490560.04	3859110.04	0.27555	8.12E-03	8.29E-03	8.28E-03

2706	490610.04	3859110.04	0.25741	7.58E-03	7.74E-03	7.73E-03
2707	490660.04	3859110.04	0.23944	7.06E-03	7.20E-03	7.19E-03
2708	490710.04	3859110.04	0.22833	6.73E-03	6.87E-03	6.86E-03
2709	490760.04	3859110.04	0.21576	6.36E-03	6.49E-03	6.48E-03
2710	490810.04	3859110.04	0.20244	5.97E-03	6.09E-03	6.08E-03
2711	490860.04	3859110.04	0.19066	5.62E-03	5.73E-03	5.73E-03
2712	490360.04	3859160.04	0.42051	1.24E-02	1.26E-02	1.26E-02
2713	490410.04	3859160.04	0.38533	1.14E-02	1.16E-02	1.16E-02
2714	490460.04	3859160.04	0.3555	1.05E-02	1.07E-02	1.07E-02
2715	490510.04	3859160.04	0.32789	9.66E-03	9.86E-03	9.85E-03
2716	490560.04	3859160.04	0.29928	8.82E-03	9.00E-03	8.99E-03
2717	490610.04	3859160.04	0.28066	8.27E-03	8.44E-03	8.43E-03
2718	490660.04	3859160.04	0.25151	7.41E-03	7.56E-03	7.55E-03
2719	490710.04	3859160.04	0.2386	7.03E-03	7.17E-03	7.17E-03
2720	490760.04	3859160.04	0.22048	6.50E-03	6.63E-03	6.62E-03
2721	490810.04	3859160.04	0.20992	6.19E-03	6.31E-03	6.30E-03
2722	490860.04	3859160.04	0.19945	5.88E-03	6.00E-03	5.99E-03
2723	490360.04	3859210.04	0.47026	1.39E-02	1.41E-02	1.41E-02
2724	490410.04	3859210.04	0.44048	1.30E-02	1.32E-02	1.32E-02
2725	490460.04	3859210.04	0.39135	1.15E-02	1.18E-02	1.18E-02
2726	490510.04	3859210.04	0.35793	1.05E-02	1.08E-02	1.07E-02
2727	490560.04	3859210.04	0.33449	9.86E-03	1.01E-02	1.00E-02
2728	490610.04	3859210.04	0.30784	9.07E-03	9.26E-03	9.25E-03
2729	490660.04	3859210.04	0.27612	8.14E-03	8.30E-03	8.29E-03
2730	490710.04	3859210.04	0.25689	7.57E-03	7.72E-03	7.72E-03
2731	490760.04	3859210.04	0.23798	7.01E-03	7.16E-03	7.15E-03
2732	490810.04	3859210.04	0.23109	6.81E-03	6.95E-03	6.94E-03
2733	490860.04	3859210.04	0.224	6.60E-03	6.74E-03	6.73E-03
2734	490360.04	3859260.04	0.52105	1.54E-02	1.57E-02	1.56E-02
2735	490410.04	3859260.04	0.48164	1.42E-02	1.45E-02	1.45E-02
2736	490460.04	3859260.04	0.45002	1.33E-02	1.35E-02	1.35E-02
2737	490510.04	3859260.04	0.41924	1.24E-02	1.26E-02	1.26E-02
2738	490560.04	3859260.04	0.38421	1.13E-02	1.16E-02	1.15E-02
2739	490610.04	3859260.04	0.34349	1.01E-02	1.03E-02	1.03E-02
2740	490660.04	3859260.04	0.32934	9.70E-03	9.90E-03	9.89E-03
2741	490710.04	3859260.04	0.30592	9.01E-03	9.20E-03	9.19E-03
2742	490760.04	3859260.04	0.27906	8.22E-03	8.39E-03	8.38E-03
2743	490810.04	3859260.04	0.2676	7.89E-03	8.05E-03	8.04E-03
2744	490860.04	3859260.04	0.25685	7.57E-03	7.72E-03	7.71E-03
2745	490360.04	3859310.04	0.59794	1.76E-02	1.80E-02	1.80E-02
2746	490410.04	3859310.04	0.54989	1.62E-02	1.65E-02	1.65E-02
2747	490460.04	3859310.04	0.50938	1.50E-02	1.53E-02	1.53E-02
2748	490510.04	3859310.04	0.4779	1.41E-02	1.44E-02	1.44E-02
2749	490560.04	3859310.04	0.44649	1.32E-02	1.34E-02	1.34E-02
2750	490610.04	3859310.04	0.42053	1.24E-02	1.26E-02	1.26E-02
2751	490660.04	3859310.04	0.39125	1.15E-02	1.18E-02	1.18E-02
2752	490710.04	3859310.04	0.34997	1.03E-02	1.05E-02	1.05E-02
2753	490760.04	3859310.04	0.32585	9.60E-03	9.80E-03	9.79E-03
2754	490810.04	3859310.04	0.31034	9.14E-03	9.33E-03	9.32E-03
2755	490860.04	3859310.04	0.29141	8.59E-03	8.76E-03	8.75E-03
2756	490360.04	3859360.04	0.69396	2.04E-02	2.09E-02	2.08E-02
2757	490410.04	3859360.04	0.64431	1.90E-02	1.94E-02	1.94E-02
2758	490460.04	3859360.04	0.60175	1.77E-02	1.81E-02	1.81E-02
2759	490510.04	3859360.04	0.56198	1.66E-02	1.69E-02	1.69E-02
2760	490560.04	3859360.04	0.51702	1.52E-02	1.55E-02	1.55E-02
2761	490610.04	3859360.04	0.47733	1.41E-02	1.44E-02	1.43E-02
2762	490660.04	3859360.04	0.44548	1.31E-02	1.34E-02	1.34E-02
2763	490710.04	3859360.04	0.40838	1.20E-02	1.23E-02	1.23E-02
2764	490760.04	3859360.04	0.37375	1.10E-02	1.12E-02	1.12E-02
2765	490810.04	3859360.04	0.3596	1.06E-02	1.08E-02	1.08E-02
2766	490860.04	3859360.04	0.33848	9.97E-03	1.02E-02	1.02E-02
2767	490360.04	3859410.04	0.81531	2.40E-02	2.45E-02	2.45E-02
2768	490410.04	3859410.04	0.75675	2.23E-02	2.28E-02	2.27E-02

2769	490460.04	3859410.04	0.7035	2.07E-02	2.12E-02	2.11E-02
2770	490510.04	3859410.04	0.65427	1.93E-02	1.97E-02	1.96E-02
2771	490560.04	3859410.04	0.60942	1.80E-02	1.83E-02	1.83E-02
2772	490610.04	3859410.04	0.56733	1.67E-02	1.71E-02	1.70E-02
2773	490660.04	3859410.04	0.51555	1.52E-02	1.55E-02	1.55E-02
2774	490710.04	3859410.04	0.47406	1.40E-02	1.43E-02	1.42E-02
2775	490760.04	3859410.04	0.43079	1.27E-02	1.30E-02	1.29E-02
2776	490810.04	3859410.04	0.41244	1.22E-02	1.24E-02	1.24E-02
2777	490860.04	3859410.04	0.39878	1.18E-02	1.20E-02	1.20E-02
2778	490360.04	3859460.04	0.97776	2.88E-02	2.94E-02	2.94E-02
2779	490410.04	3859460.04	0.89091	2.63E-02	2.68E-02	2.68E-02
2780	490460.04	3859460.04	0.82512	2.43E-02	2.48E-02	2.48E-02
2781	490510.04	3859460.04	0.76509	2.25E-02	2.30E-02	2.30E-02
2782	490560.04	3859460.04	0.71248	2.10E-02	2.14E-02	2.14E-02
2783	490610.04	3859460.04	0.6585	1.94E-02	1.98E-02	1.98E-02
2784	490660.04	3859460.04	0.60624	1.79E-02	1.82E-02	1.82E-02
2785	490710.04	3859460.04	0.564	1.66E-02	1.70E-02	1.69E-02
2786	490760.04	3859460.04	0.52267	1.54E-02	1.57E-02	1.57E-02
2787	490810.04	3859460.04	0.48528	1.43E-02	1.46E-02	1.46E-02
2788	490860.04	3859460.04	0.4638	1.37E-02	1.39E-02	1.39E-02
2789	490360.04	3859510.04	1.21799	3.59E-02	3.66E-02	3.66E-02
2790	490410.04	3859510.04	1.10046	3.24E-02	3.31E-02	3.30E-02
2791	490460.04	3859510.04	0.99635	2.94E-02	3.00E-02	2.99E-02
2792	490510.04	3859510.04	0.91564	2.70E-02	2.75E-02	2.75E-02
2793	490560.04	3859510.04	0.84581	2.49E-02	2.54E-02	2.54E-02
2794	490610.04	3859510.04	0.77909	2.30E-02	2.34E-02	2.34E-02
2795	490660.04	3859510.04	0.71875	2.12E-02	2.16E-02	2.16E-02
2796	490710.04	3859510.04	0.66233	1.95E-02	1.99E-02	1.99E-02
2797	490760.04	3859510.04	0.6134	1.81E-02	1.84E-02	1.84E-02
2798	490810.04	3859510.04	0.57523	1.69E-02	1.73E-02	1.73E-02
2799	490860.04	3859510.04	0.53684	1.58E-02	1.61E-02	1.61E-02
2800	490360.04	3859560.04	1.58186	4.66E-02	4.76E-02	4.75E-02
2801	490410.04	3859560.04	1.41139	4.16E-02	4.24E-02	4.24E-02
2802	490460.04	3859560.04	1.27177	3.75E-02	3.82E-02	3.82E-02
2803	490510.04	3859560.04	1.12994	3.33E-02	3.40E-02	3.39E-02
2804	490560.04	3859560.04	1.03505	3.05E-02	3.11E-02	3.11E-02
2805	490610.04	3859560.04	0.94358	2.78E-02	2.84E-02	2.83E-02
2806	490660.04	3859560.04	0.86629	2.55E-02	2.60E-02	2.60E-02
2807	490710.04	3859560.04	0.79395	2.34E-02	2.39E-02	2.38E-02
2808	490760.04	3859560.04	0.72191	2.13E-02	2.17E-02	2.17E-02
2809	490810.04	3859560.04	0.66678	1.96E-02	2.00E-02	2.00E-02
2810	490860.04	3859560.04	0.61614	1.82E-02	1.85E-02	1.85E-02
2811	490187.25	3859422.08	1.16791	3.44E-02	3.51E-02	3.51E-02
2812	490237.25	3859422.08	1.06109	3.13E-02	3.19E-02	3.19E-02
2813	490287.25	3859422.08	0.96691	2.85E-02	2.91E-02	2.90E-02
2814	490337.25	3859422.08	0.87911	2.59E-02	2.64E-02	2.64E-02
2815	490187.25	3859472.08	1.44256	4.25E-02	4.34E-02	4.33E-02
2816	490237.25	3859472.08	1.30098	3.83E-02	3.91E-02	3.91E-02
2817	490287.25	3859472.08	1.17394	3.46E-02	3.53E-02	3.53E-02
2818	490337.25	3859472.08	1.06985	3.15E-02	3.22E-02	3.21E-02
2819	490297.07	3859500.42	1.31036	3.86E-02	3.94E-02	3.94E-02
2820	490327.07	3859500.42	1.24183	3.66E-02	3.73E-02	3.73E-02
2821	490297.07	3859530.42	1.5366	4.53E-02	4.62E-02	4.61E-02
2822	490327.07	3859530.42	1.44192	4.25E-02	4.34E-02	4.33E-02
2823	490319.73	3859055.34	0.35789	1.05E-02	1.08E-02	1.07E-02
2824	490319.73	3859105.34	0.39658	1.17E-02	1.19E-02	1.19E-02
2825	490069.73	3859155.34	0.5974	1.76E-02	1.80E-02	1.79E-02
2826	490119.73	3859155.34	0.56257	1.66E-02	1.69E-02	1.69E-02
2827	490269.73	3859155.34	0.47768	1.41E-02	1.44E-02	1.43E-02
2828	490319.73	3859155.34	0.4445	1.31E-02	1.34E-02	1.33E-02
2829	490069.73	3859205.34	0.694	2.04E-02	2.09E-02	2.08E-02
2830	490119.73	3859205.34	0.65565	1.93E-02	1.97E-02	1.97E-02
2831	490169.73	3859205.34	0.61525	1.81E-02	1.85E-02	1.85E-02

2832	490219.73	3859205.34	0.57165	1.68E-02	1.72E-02	1.72E-02
2833	490269.73	3859205.34	0.52782	1.56E-02	1.59E-02	1.59E-02
2834	490319.73	3859205.34	0.49499	1.46E-02	1.49E-02	1.49E-02
2835	490069.73	3859255.34	0.80406	2.37E-02	2.42E-02	2.41E-02
2836	490119.73	3859255.34	0.7524	2.22E-02	2.26E-02	2.26E-02
2837	490169.73	3859255.34	0.70262	2.07E-02	2.11E-02	2.11E-02
2838	490219.73	3859255.34	0.64889	1.91E-02	1.95E-02	1.95E-02
2839	490269.73	3859255.34	0.60014	1.77E-02	1.80E-02	1.80E-02
2840	490319.73	3859255.34	0.55964	1.65E-02	1.68E-02	1.68E-02
2841	490069.73	3859305.34	0.94086	2.77E-02	2.83E-02	2.83E-02
2842	490119.73	3859305.34	0.87474	2.58E-02	2.63E-02	2.63E-02
2843	490169.73	3859305.34	0.81081	2.39E-02	2.44E-02	2.44E-02
2844	490219.73	3859305.34	0.74709	2.20E-02	2.25E-02	2.24E-02
2845	490269.73	3859305.34	0.68932	2.03E-02	2.07E-02	2.07E-02
2846	490319.73	3859305.34	0.634	1.87E-02	1.91E-02	1.90E-02
2847	490069.73	3859355.34	1.12944	3.33E-02	3.40E-02	3.39E-02
2848	490119.73	3859355.34	1.03626	3.05E-02	3.12E-02	3.11E-02
2849	490169.73	3859355.34	0.95206	2.81E-02	2.86E-02	2.86E-02
2850	490219.73	3859355.34	0.87166	2.57E-02	2.62E-02	2.62E-02
2851	490269.73	3859355.34	0.79917	2.35E-02	2.40E-02	2.40E-02
2852	490319.73	3859355.34	0.73394	2.16E-02	2.21E-02	2.20E-02
2853	490069.73	3859405.34	1.38575	4.08E-02	4.17E-02	4.16E-02
2854	490119.73	3859405.34	1.24872	3.68E-02	3.75E-02	3.75E-02
2855	490169.73	3859405.34	1.13334	3.34E-02	3.41E-02	3.40E-02
2856	490219.73	3859405.34	1.0333	3.04E-02	3.11E-02	3.10E-02
2857	490269.73	3859405.34	0.93974	2.77E-02	2.83E-02	2.82E-02
2858	490319.73	3859405.34	0.85315	2.51E-02	2.57E-02	2.56E-02
2859	490161.89	3859541.83	2.35783	6.95E-02	7.09E-02	7.08E-02
2860	490171.89	3859541.83	2.2868	6.74E-02	6.88E-02	6.87E-02
2861	490161.89	3859551.83	2.57972	7.60E-02	7.76E-02	7.75E-02
2862	490171.89	3859551.83	2.49339	7.35E-02	7.50E-02	7.49E-02
2863	489799.72	3859348.21	2.18616	6.44E-02	6.57E-02	6.57E-02
2864	489819.72	3859348.21	2.03308	5.99E-02	6.11E-02	6.11E-02
2865	489799.72	3859368.21	2.55188	7.52E-02	7.67E-02	7.66E-02
2866	489819.72	3859368.21	2.34341	6.91E-02	7.05E-02	7.04E-02
2867	489775.41	3859329.72	2.10221	6.19E-02	6.32E-02	6.31E-02
2868	489795.41	3859329.72	1.9596	5.77E-02	5.89E-02	5.89E-02
2869	489775.41	3859349.72	2.43844	7.19E-02	7.33E-02	7.32E-02
2870	489795.41	3859349.72	2.2471	6.62E-02	6.76E-02	6.75E-02
2871	489595.05	3859219.43	1.88219	5.55E-02	5.66E-02	5.65E-02
2872	489615.05	3859219.43	1.76124	5.19E-02	5.30E-02	5.29E-02
2873	489595.05	3859239.43	2.16717	6.39E-02	6.52E-02	6.51E-02
2874	489615.05	3859239.43	2.00957	5.92E-02	6.04E-02	6.04E-02
2875	489372.4	3859092.58	1.70884	5.04E-02	5.14E-02	5.13E-02
2876	489422.4	3859092.58	1.46127	4.31E-02	4.39E-02	4.39E-02
2877	489372.4	3859142.58	2.49843	7.36E-02	7.51E-02	7.50E-02
2878	489422.4	3859142.58	2.02975	5.98E-02	6.10E-02	6.10E-02
2879	488870.84	3858666.64	0.14258	4.20E-03	4.29E-03	4.28E-03
2880	488900.84	3858666.64	0.14259	4.20E-03	4.29E-03	4.28E-03
2881	488870.84	3858696.64	0.15856	4.67E-03	4.77E-03	4.76E-03
2882	488900.84	3858696.64	0.15858	4.67E-03	4.77E-03	4.76E-03
2883	488889.67	3858683.97	0.15138	4.46E-03	4.55E-03	4.55E-03
2884	488919.67	3858683.97	0.15129	4.46E-03	4.55E-03	4.54E-03
2885	488889.67	3858713.97	0.16989	5.01E-03	5.11E-03	5.10E-03
2886	488919.67	3858713.97	0.16979	5.00E-03	5.11E-03	5.10E-03
2887	488906.61	3858703.33	0.16271	4.79E-03	4.89E-03	4.89E-03
2888	488936.61	3858703.33	0.16259	4.79E-03	4.89E-03	4.88E-03
2889	488906.61	3858733.33	0.18486	5.45E-03	5.56E-03	5.55E-03
2890	488936.61	3858733.33	0.1849	5.45E-03	5.56E-03	5.55E-03
2891	488637.63	3858467.85	0.08578	2.53E-03	2.58E-03	2.58E-03
2892	488662.63	3858467.85	0.08615	2.54E-03	2.59E-03	2.59E-03
2893	488637.63	3858492.85	0.08947	2.64E-03	2.69E-03	2.69E-03
2894	488662.63	3858492.85	0.08997	2.65E-03	2.71E-03	2.70E-03

2895	488687.63	3858492.85	0.09036	2.66E-03	2.72E-03	2.71E-03
2896	488637.63	3858517.85	0.09345	2.75E-03	2.81E-03	2.81E-03
2897	488662.63	3858517.85	0.09414	2.77E-03	2.83E-03	2.83E-03
2898	488687.63	3858517.85	0.09465	2.79E-03	2.85E-03	2.84E-03
2899	488194.42	3857168.98	0.03267	9.63E-04	9.82E-04	9.81E-04
2900	488244.42	3857168.98	0.03283	9.67E-04	9.87E-04	9.86E-04
2901	488294.42	3857168.98	0.03291	9.70E-04	9.90E-04	9.88E-04
2902	488244.42	3857218.98	0.0331	9.75E-04	9.95E-04	9.94E-04
2903	488294.42	3857218.98	0.03324	9.79E-04	9.99E-04	9.98E-04
2904	488294.42	3857268.98	0.03362	9.91E-04	1.01E-03	1.01E-03
2905	488139.13	3857111.68	0.03228	9.51E-04	9.71E-04	9.69E-04
2906	488189.13	3857111.68	0.03246	9.56E-04	9.76E-04	9.75E-04
2907	488189.13	3857161.68	0.03262	9.61E-04	9.81E-04	9.80E-04
2908	487951.04	3856961.26	0.0315	9.28E-04	9.47E-04	9.46E-04
2909	488001.04	3856961.26	0.03158	9.31E-04	9.50E-04	9.48E-04
2910	488051.04	3856961.26	0.03153	9.29E-04	9.48E-04	9.47E-04
2911	488101.04	3856961.26	0.0317	9.34E-04	9.53E-04	9.52E-04
2912	487951.04	3857011.26	0.03172	9.35E-04	9.54E-04	9.53E-04
2913	488001.04	3857011.26	0.03171	9.34E-04	9.53E-04	9.52E-04
2914	488051.04	3857011.26	0.03169	9.34E-04	9.53E-04	9.52E-04
2915	488101.04	3857011.26	0.03188	9.39E-04	9.59E-04	9.57E-04
2916	488001.04	3857061.26	0.03189	9.40E-04	9.59E-04	9.58E-04
2917	488051.04	3857061.26	0.03198	9.42E-04	9.62E-04	9.60E-04
2918	488101.04	3857061.26	0.03209	9.46E-04	9.65E-04	9.64E-04
2919	487638.98	3856673.79	0.03038	8.95E-04	9.13E-04	9.12E-04
2920	487688.98	3856673.79	0.03049	8.98E-04	9.17E-04	9.16E-04
2921	487638.98	3856723.79	0.03043	8.97E-04	9.15E-04	9.14E-04
2922	487688.98	3856723.79	0.03053	9.00E-04	9.18E-04	9.17E-04
2923	486324.61	3855740.57	0.03305	9.74E-04	9.94E-04	9.93E-04
2924	486374.61	3855740.57	0.03263	9.61E-04	9.81E-04	9.80E-04
2925	486424.61	3855740.57	0.03248	9.57E-04	9.77E-04	9.75E-04
2926	486324.61	3855790.57	0.03273	9.64E-04	9.84E-04	9.83E-04
2927	486374.61	3855790.57	0.03234	9.53E-04	9.72E-04	9.71E-04
2928	486424.61	3855790.57	0.03228	9.51E-04	9.71E-04	9.69E-04
2929	486324.61	3855840.57	0.03242	9.55E-04	9.75E-04	9.74E-04
2930	486374.61	3855840.57	0.0323	9.52E-04	9.71E-04	9.70E-04
2931	486424.61	3855840.57	0.03211	9.46E-04	9.65E-04	9.64E-04
2932	486324.61	3855890.57	0.0324	9.55E-04	9.74E-04	9.73E-04
2933	486374.61	3855890.57	0.03223	9.50E-04	9.69E-04	9.68E-04
2934	486424.61	3855890.57	0.032	9.43E-04	9.62E-04	9.61E-04
2935	488735.69	3858285.64	0.06666	1.96E-03	2.00E-03	2.00E-03
2936	488765.69	3858285.64	0.06686	1.97E-03	2.01E-03	2.01E-03
2937	488735.69	3858315.64	0.06922	2.04E-03	2.08E-03	2.08E-03
2938	488765.69	3858315.64	0.06943	2.05E-03	2.09E-03	2.09E-03
2939	478676.63	3849871.93	0.72155	2.13E-02	2.17E-02	2.17E-02
2940	479326.63	3849871.93	0.4446	1.31E-02	1.34E-02	1.34E-02
2941	479376.63	3849871.93	0.43171	1.27E-02	1.30E-02	1.30E-02
2942	479426.63	3849871.93	0.42218	1.24E-02	1.27E-02	1.27E-02
2943	478726.63	3849921.93	0.75483	2.22E-02	2.27E-02	2.27E-02
2944	478776.63	3849921.93	0.72303	2.13E-02	2.17E-02	2.17E-02
2945	478826.63	3849921.93	0.69304	2.04E-02	2.08E-02	2.08E-02
2946	478976.63	3849921.93	0.61443	1.81E-02	1.85E-02	1.85E-02
2947	479026.63	3849921.93	0.59518	1.75E-02	1.79E-02	1.79E-02
2948	479076.63	3849921.93	0.57452	1.69E-02	1.73E-02	1.73E-02
2949	479126.63	3849921.93	0.55449	1.63E-02	1.67E-02	1.67E-02
2950	479176.63	3849921.93	0.53737	1.58E-02	1.62E-02	1.61E-02
2951	479226.63	3849921.93	0.51538	1.52E-02	1.55E-02	1.55E-02
2952	479276.63	3849921.93	0.48612	1.43E-02	1.46E-02	1.46E-02
2953	479326.63	3849921.93	0.48572	1.43E-02	1.46E-02	1.46E-02
2954	479376.63	3849921.93	0.45909	1.35E-02	1.38E-02	1.38E-02
2955	479426.63	3849921.93	0.45482	1.34E-02	1.37E-02	1.37E-02
2956	478726.63	3849971.93	0.82841	2.44E-02	2.49E-02	2.49E-02
2957	478776.63	3849971.93	0.79057	2.33E-02	2.38E-02	2.37E-02

2958	478826.63	3849971.93	0.75523	2.23E-02	2.27E-02	2.27E-02
2959	478976.63	3849971.93	0.66823	1.97E-02	2.01E-02	2.01E-02
2960	479026.63	3849971.93	0.64161	1.89E-02	1.93E-02	1.93E-02
2961	479076.63	3849971.93	0.61673	1.82E-02	1.85E-02	1.85E-02
2962	479126.63	3849971.93	0.59447	1.75E-02	1.79E-02	1.79E-02
2963	479176.63	3849971.93	0.5744	1.69E-02	1.73E-02	1.73E-02
2964	479226.63	3849971.93	0.53801	1.59E-02	1.62E-02	1.62E-02
2965	479276.63	3849971.93	0.53172	1.57E-02	1.60E-02	1.60E-02
2966	479326.63	3849971.93	0.52189	1.54E-02	1.57E-02	1.57E-02
2967	479376.63	3849971.93	0.49574	1.46E-02	1.49E-02	1.49E-02
2968	479426.63	3849971.93	0.48434	1.43E-02	1.46E-02	1.45E-02
2969	478726.63	3850021.93	0.91814	2.71E-02	2.76E-02	2.76E-02
2970	478776.63	3850021.93	0.87128	2.57E-02	2.62E-02	2.62E-02
2971	478826.63	3850021.93	0.82941	2.44E-02	2.49E-02	2.49E-02
2972	478976.63	3850021.93	0.72548	2.14E-02	2.18E-02	2.18E-02
2973	478726.63	3850071.93	1.03099	3.04E-02	3.10E-02	3.10E-02
2974	478776.63	3850071.93	0.97202	2.86E-02	2.92E-02	2.92E-02
2975	478826.63	3850071.93	0.92012	2.71E-02	2.77E-02	2.76E-02
2976	478876.63	3850071.93	0.87356	2.57E-02	2.63E-02	2.62E-02
2977	478976.63	3850071.93	0.79379	2.34E-02	2.39E-02	2.38E-02
2978	478726.63	3850121.93	1.17842	3.47E-02	3.54E-02	3.54E-02
2979	478776.63	3850121.93	1.10002	3.24E-02	3.31E-02	3.30E-02
2980	478826.63	3850121.93	1.03301	3.04E-02	3.11E-02	3.10E-02
2981	478876.63	3850121.93	0.97443	2.87E-02	2.93E-02	2.93E-02
2982	478976.63	3850121.93	0.87507	2.58E-02	2.63E-02	2.63E-02
2983	479026.63	3850121.93	0.83342	2.46E-02	2.51E-02	2.50E-02
2984	479076.63	3850121.93	0.79528	2.34E-02	2.39E-02	2.39E-02
2985	479126.63	3850121.93	0.75956	2.24E-02	2.28E-02	2.28E-02
2986	478776.63	3850171.93	1.27318	3.75E-02	3.83E-02	3.82E-02
2987	478826.63	3850171.93	1.1824	3.48E-02	3.56E-02	3.55E-02
2988	478876.63	3850171.93	1.10437	3.25E-02	3.32E-02	3.32E-02
2989	478976.63	3850171.93	0.97706	2.88E-02	2.94E-02	2.93E-02
2990	479026.63	3850171.93	0.92466	2.72E-02	2.78E-02	2.78E-02
2991	479076.63	3850171.93	0.87842	2.59E-02	2.64E-02	2.64E-02
2992	479126.63	3850171.93	0.83543	2.46E-02	2.51E-02	2.51E-02
2993	479176.63	3850171.93	0.79764	2.35E-02	2.40E-02	2.40E-02
2994	479226.63	3850171.93	0.76528	2.25E-02	2.30E-02	2.30E-02
2995	479276.63	3850171.93	0.73355	2.16E-02	2.21E-02	2.20E-02
2996	479326.63	3850171.93	0.7056	2.08E-02	2.12E-02	2.12E-02
2997	479376.63	3850171.93	0.67665	1.99E-02	2.03E-02	2.03E-02
2998	478676.63	3850221.93	1.92529	5.67E-02	5.79E-02	5.78E-02
2999	478726.63	3850221.93	1.69644	5.00E-02	5.10E-02	5.09E-02
3000	478976.63	3850221.93	1.10675	3.26E-02	3.33E-02	3.32E-02
3001	479026.63	3850221.93	1.03808	3.06E-02	3.12E-02	3.12E-02
3002	479076.63	3850221.93	0.98008	2.89E-02	2.95E-02	2.94E-02
3003	479126.63	3850221.93	0.92827	2.74E-02	2.79E-02	2.79E-02
3004	479176.63	3850221.93	0.8808	2.60E-02	2.65E-02	2.65E-02
3005	479226.63	3850221.93	0.83849	2.47E-02	2.52E-02	2.52E-02
3006	479276.63	3850221.93	0.79981	2.36E-02	2.40E-02	2.40E-02
3007	479326.63	3850221.93	0.76739	2.26E-02	2.31E-02	2.30E-02
3008	479376.63	3850221.93	0.73636	2.17E-02	2.21E-02	2.21E-02
3009	478676.63	3850271.93	2.68582	7.91E-02	8.08E-02	8.07E-02
3010	478726.63	3850271.93	2.23385	6.58E-02	6.72E-02	6.71E-02
3011	478976.63	3850271.93	1.2844	3.78E-02	3.86E-02	3.86E-02
3012	479026.63	3850271.93	1.18797	3.50E-02	3.57E-02	3.57E-02
3013	479076.63	3850271.93	1.10953	3.27E-02	3.34E-02	3.33E-02
3014	479126.63	3850271.93	1.04171	3.07E-02	3.13E-02	3.13E-02
3015	479176.63	3850271.93	0.98131	2.89E-02	2.95E-02	2.95E-02
3016	479226.63	3850271.93	0.92751	2.73E-02	2.79E-02	2.79E-02
3017	479276.63	3850271.93	0.88136	2.60E-02	2.65E-02	2.65E-02
3018	479326.63	3850271.93	0.84173	2.48E-02	2.53E-02	2.53E-02
3019	479376.63	3850271.93	0.80482	2.37E-02	2.42E-02	2.42E-02
3020	479053.24	3850293.52	1.2174	3.59E-02	3.66E-02	3.66E-02

3021	479103.24	3850293.52	1.1341	3.34E-02	3.41E-02	3.41E-02
3022	479153.24	3850293.52	1.06416	3.14E-02	3.20E-02	3.20E-02
3023	479203.24	3850293.52	1.00012	2.95E-02	3.01E-02	3.00E-02
3024	479253.24	3850293.52	0.94529	2.79E-02	2.84E-02	2.84E-02
3025	479303.24	3850293.52	0.89911	2.65E-02	2.70E-02	2.70E-02
3026	479353.24	3850293.52	0.85761	2.53E-02	2.58E-02	2.58E-02
3027	479153.24	3850343.52	1.22026	3.60E-02	3.67E-02	3.66E-02
3028	479203.24	3850343.52	1.13566	3.35E-02	3.41E-02	3.41E-02
3029	479253.24	3850343.52	1.06716	3.14E-02	3.21E-02	3.20E-02
3030	479303.24	3850343.52	1.00798	2.97E-02	3.03E-02	3.03E-02
3031	479353.24	3850343.52	0.95469	2.81E-02	2.87E-02	2.87E-02
3032	479203.24	3850393.52	1.32506	3.90E-02	3.98E-02	3.98E-02
3033	479253.24	3850393.52	1.22954	3.62E-02	3.70E-02	3.69E-02
3034	479303.24	3850393.52	1.14963	3.39E-02	3.46E-02	3.45E-02
3035	479353.24	3850393.52	1.0797	3.18E-02	3.25E-02	3.24E-02
3036	479403.24	3850393.52	1.01691	3.00E-02	3.06E-02	3.05E-02
3037	479453.24	3850393.52	0.96	2.83E-02	2.89E-02	2.88E-02
3038	479503.24	3850393.52	0.90477	2.67E-02	2.72E-02	2.72E-02
3039	479303.24	3850443.52	1.34867	3.97E-02	4.06E-02	4.05E-02
3040	479353.24	3850443.52	1.25085	3.69E-02	3.76E-02	3.76E-02
3041	479403.24	3850443.52	1.16459	3.43E-02	3.50E-02	3.50E-02
3042	479453.24	3850443.52	1.08721	3.20E-02	3.27E-02	3.27E-02
3043	479503.24	3850443.52	1.01551	2.99E-02	3.05E-02	3.05E-02
3044	480327.18	3850987.04	1.61767	4.77E-02	4.86E-02	4.86E-02
3045	480377.18	3850987.04	1.4729	4.34E-02	4.43E-02	4.42E-02
3046	480427.18	3850987.04	1.35126	3.98E-02	4.06E-02	4.06E-02
3047	480477.18	3850987.04	1.24524	3.67E-02	3.74E-02	3.74E-02
3048	480327.18	3851037.04	2.08393	6.14E-02	6.27E-02	6.26E-02
3049	480377.18	3851037.04	1.84307	5.43E-02	5.54E-02	5.54E-02
3050	480427.18	3851037.04	1.64955	4.86E-02	4.96E-02	4.95E-02
3051	480477.18	3851037.04	1.48961	4.39E-02	4.48E-02	4.47E-02
3052	480622.06	3851087.39	1.37894	4.06E-02	4.15E-02	4.14E-02
3053	480672.06	3851087.39	1.26782	3.74E-02	3.81E-02	3.81E-02
3054	480622.06	3851137.39	1.69858	5.01E-02	5.11E-02	5.10E-02
3055	480672.06	3851137.39	1.52648	4.50E-02	4.59E-02	4.58E-02
3056	480722.06	3851137.39	1.39023	4.10E-02	4.18E-02	4.18E-02
3057	480622.06	3851187.39	2.24293	6.61E-02	6.74E-02	6.74E-02
3058	480672.06	3851187.39	1.93941	5.71E-02	5.83E-02	5.82E-02
3059	480722.06	3851187.39	1.71489	5.05E-02	5.16E-02	5.15E-02
3060	471363.09	3845877.25	0.00882	2.60E-04	2.65E-04	2.65E-04
3061	471863.09	3845877.25	0.00854	2.52E-04	2.57E-04	2.56E-04
3062	472363.09	3845877.25	0.01106	3.26E-04	3.33E-04	3.32E-04
3063	472863.09	3845877.25	0.00833	2.45E-04	2.50E-04	2.50E-04
3064	473363.09	3845877.25	0.00875	2.58E-04	2.63E-04	2.63E-04
3065	473863.09	3845877.25	0.00916	2.70E-04	2.75E-04	2.75E-04
3066	474363.09	3845877.25	0.01066	3.14E-04	3.21E-04	3.20E-04
3067	474863.09	3845877.25	0.01241	3.66E-04	3.73E-04	3.73E-04
3068	475363.09	3845877.25	0.01435	4.23E-04	4.31E-04	4.31E-04
3069	475863.09	3845877.25	0.01479	4.36E-04	4.45E-04	4.44E-04
3070	476363.09	3845877.25	0.01385	4.08E-04	4.16E-04	4.16E-04
3071	476863.09	3845877.25	0.01292	3.81E-04	3.88E-04	3.88E-04
3072	477363.09	3845877.25	0.01289	3.80E-04	3.88E-04	3.87E-04
3073	477863.09	3845877.25	0.01223	3.60E-04	3.68E-04	3.67E-04
3074	478363.09	3845877.25	0.01251	3.69E-04	3.76E-04	3.76E-04
3075	478863.09	3845877.25	0.01274	3.75E-04	3.83E-04	3.83E-04
3076	479363.09	3845877.25	0.01358	4.00E-04	4.08E-04	4.08E-04
3077	479863.09	3845877.25	0.01366	4.03E-04	4.11E-04	4.10E-04
3078	480363.09	3845877.25	0.01268	3.74E-04	3.81E-04	3.81E-04
3079	480863.09	3845877.25	0.01246	3.67E-04	3.75E-04	3.74E-04
3080	481363.09	3845877.25	0.01234	3.64E-04	3.71E-04	3.71E-04
3081	481863.09	3845877.25	0.01184	3.49E-04	3.56E-04	3.56E-04
3082	482363.09	3845877.25	0.01114	3.28E-04	3.35E-04	3.35E-04
3083	482863.09	3845877.25	0.009	2.65E-04	2.71E-04	2.70E-04

3084	483363.09	3845877.25	0.00814	2.40E-04	2.45E-04	2.44E-04
3085	483863.09	3845877.25	0.01033	3.04E-04	3.11E-04	3.10E-04
3086	484363.09	3845877.25	0.01052	3.10E-04	3.16E-04	3.16E-04
3087	484863.09	3845877.25	0.01032	3.04E-04	3.10E-04	3.10E-04
3088	485363.09	3845877.25	0.00988	2.91E-04	2.97E-04	2.97E-04
3089	485863.09	3845877.25	0.0102	3.01E-04	3.07E-04	3.06E-04
3090	486363.09	3845877.25	0.01009	2.97E-04	3.03E-04	3.03E-04
3091	486863.09	3845877.25	0.00942	2.78E-04	2.83E-04	2.83E-04
3092	487363.09	3845877.25	0.00931	2.74E-04	2.80E-04	2.80E-04
3093	487863.09	3845877.25	0.0087	2.56E-04	2.62E-04	2.61E-04
3094	488363.09	3845877.25	0.00845	2.49E-04	2.54E-04	2.54E-04
3095	488863.09	3845877.25	0.00976	2.88E-04	2.93E-04	2.93E-04
3096	489363.09	3845877.25	0.00971	2.86E-04	2.92E-04	2.92E-04
3097	489863.09	3845877.25	0.00905	2.67E-04	2.72E-04	2.72E-04
3098	490363.09	3845877.25	0.00814	2.40E-04	2.45E-04	2.44E-04
3099	490863.09	3845877.25	0.00654	1.93E-04	1.97E-04	1.96E-04
3100	491363.09	3845877.25	0.00736	2.17E-04	2.21E-04	2.21E-04
3101	491863.09	3845877.25	0.00784	2.31E-04	2.36E-04	2.35E-04
3102	492363.09	3845877.25	0.00666	1.96E-04	2.00E-04	2.00E-04
3103	492863.09	3845877.25	0.0081	2.39E-04	2.44E-04	2.43E-04
3104	493363.09	3845877.25	0.00857	2.53E-04	2.58E-04	2.57E-04
3105	493863.09	3845877.25	0.00902	2.66E-04	2.71E-04	2.71E-04
3106	494363.09	3845877.25	0.00929	2.74E-04	2.79E-04	2.79E-04
3107	494863.09	3845877.25	0.00937	2.76E-04	2.82E-04	2.81E-04
3108	495363.09	3845877.25	0.00963	2.84E-04	2.90E-04	2.89E-04
3109	495863.09	3845877.25	0.0099	2.92E-04	2.98E-04	2.97E-04
3110	496363.09	3845877.25	0.01014	2.99E-04	3.05E-04	3.05E-04
3111	496863.09	3845877.25	0.01013	2.98E-04	3.05E-04	3.04E-04
3112	497363.09	3845877.25	0.01012	2.98E-04	3.04E-04	3.04E-04
3113	497863.09	3845877.25	0.01016	2.99E-04	3.05E-04	3.05E-04
3114	498363.09	3845877.25	0.01009	2.97E-04	3.03E-04	3.03E-04
3115	471363.09	3846377.25	0.02222	6.55E-04	6.68E-04	6.67E-04
3116	471863.09	3846377.25	0.01991	5.87E-04	5.99E-04	5.98E-04
3117	472363.09	3846377.25	0.01046	3.08E-04	3.15E-04	3.14E-04
3118	472863.09	3846377.25	0.01174	3.46E-04	3.53E-04	3.53E-04
3119	473363.09	3846377.25	0.01175	3.46E-04	3.53E-04	3.53E-04
3120	473863.09	3846377.25	0.01351	3.98E-04	4.06E-04	4.06E-04
3121	474363.09	3846377.25	0.01423	4.19E-04	4.28E-04	4.27E-04
3122	474863.09	3846377.25	0.01619	4.77E-04	4.87E-04	4.86E-04
3123	475363.09	3846377.25	0.01849	5.45E-04	5.56E-04	5.55E-04
3124	475863.09	3846377.25	0.02134	6.29E-04	6.42E-04	6.41E-04
3125	476363.09	3846377.25	0.02099	6.18E-04	6.31E-04	6.30E-04
3126	476863.09	3846377.25	0.02076	6.12E-04	6.24E-04	6.23E-04
3127	477363.09	3846377.25	0.02087	6.15E-04	6.28E-04	6.27E-04
3128	477863.09	3846377.25	0.02018	5.95E-04	6.07E-04	6.06E-04
3129	478363.09	3846377.25	0.01993	5.87E-04	5.99E-04	5.99E-04
3130	478863.09	3846377.25	0.02084	6.14E-04	6.27E-04	6.26E-04
3131	479363.09	3846377.25	0.02106	6.21E-04	6.33E-04	6.32E-04
3132	479863.09	3846377.25	0.02049	6.04E-04	6.16E-04	6.15E-04
3133	480363.09	3846377.25	0.02076	6.12E-04	6.24E-04	6.23E-04
3134	480863.09	3846377.25	0.01869	5.51E-04	5.62E-04	5.61E-04
3135	481363.09	3846377.25	0.0185	5.45E-04	5.56E-04	5.56E-04
3136	481863.09	3846377.25	0.01744	5.14E-04	5.24E-04	5.24E-04
3137	482363.09	3846377.25	0.0159	4.69E-04	4.78E-04	4.78E-04
3138	482863.09	3846377.25	0.01358	4.00E-04	4.08E-04	4.08E-04
3139	483363.09	3846377.25	0.01443	4.25E-04	4.34E-04	4.33E-04
3140	483863.09	3846377.25	0.01432	4.22E-04	4.31E-04	4.30E-04
3141	484363.09	3846377.25	0.01312	3.87E-04	3.94E-04	3.94E-04
3142	484863.09	3846377.25	0.01453	4.28E-04	4.37E-04	4.36E-04
3143	485363.09	3846377.25	0.01454	4.28E-04	4.37E-04	4.37E-04
3144	485863.09	3846377.25	0.01355	3.99E-04	4.07E-04	4.07E-04
3145	486363.09	3846377.25	0.01142	3.37E-04	3.43E-04	3.43E-04
3146	486863.09	3846377.25	0.01086	3.20E-04	3.27E-04	3.26E-04

3147	487363.09	3846377.25	0.01123	3.31E-04	3.38E-04	3.37E-04
3148	487863.09	3846377.25	0.01253	3.69E-04	3.77E-04	3.76E-04
3149	488363.09	3846377.25	0.01223	3.60E-04	3.68E-04	3.67E-04
3150	488863.09	3846377.25	0.01208	3.56E-04	3.63E-04	3.63E-04
3151	489363.09	3846377.25	0.01185	3.49E-04	3.56E-04	3.56E-04
3152	489863.09	3846377.25	0.01106	3.26E-04	3.33E-04	3.32E-04
3153	490363.09	3846377.25	0.00896	2.64E-04	2.69E-04	2.69E-04
3154	490863.09	3846377.25	0.00815	2.40E-04	2.45E-04	2.45E-04
3155	491363.09	3846377.25	0.00796	2.35E-04	2.39E-04	2.39E-04
3156	491863.09	3846377.25	0.00925	2.73E-04	2.78E-04	2.78E-04
3157	492363.09	3846377.25	0.00885	2.61E-04	2.66E-04	2.66E-04
3158	492863.09	3846377.25	0.00892	2.63E-04	2.68E-04	2.68E-04
3159	493363.09	3846377.25	0.00983	2.90E-04	2.96E-04	2.95E-04
3160	493863.09	3846377.25	0.01021	3.01E-04	3.07E-04	3.07E-04
3161	494363.09	3846377.25	0.01048	3.09E-04	3.15E-04	3.15E-04
3162	494863.09	3846377.25	0.01065	3.14E-04	3.20E-04	3.20E-04
3163	495363.09	3846377.25	0.01077	3.17E-04	3.24E-04	3.23E-04
3164	495863.09	3846377.25	0.01104	3.25E-04	3.32E-04	3.32E-04
3165	496363.09	3846377.25	0.01126	3.32E-04	3.39E-04	3.38E-04
3166	496863.09	3846377.25	0.01137	3.35E-04	3.42E-04	3.41E-04
3167	497363.09	3846377.25	0.0114	3.36E-04	3.43E-04	3.42E-04
3168	497863.09	3846377.25	0.0113	3.33E-04	3.40E-04	3.39E-04
3169	498363.09	3846377.25	0.01111	3.27E-04	3.34E-04	3.34E-04
3170	471363.09	3846877.25	0.02416	7.12E-04	7.26E-04	7.26E-04
3171	471863.09	3846877.25	0.02854	8.41E-04	8.58E-04	8.57E-04
3172	472363.09	3846877.25	0.03102	9.14E-04	9.33E-04	9.32E-04
3173	472863.09	3846877.25	0.01376	4.05E-04	4.14E-04	4.13E-04
3174	473363.09	3846877.25	0.01734	5.11E-04	5.21E-04	5.21E-04
3175	473863.09	3846877.25	0.02086	6.15E-04	6.27E-04	6.26E-04
3176	474363.09	3846877.25	0.0206	6.07E-04	6.19E-04	6.19E-04
3177	474863.09	3846877.25	0.02155	6.35E-04	6.48E-04	6.47E-04
3178	475363.09	3846877.25	0.02295	6.76E-04	6.90E-04	6.89E-04
3179	475863.09	3846877.25	0.03146	9.27E-04	9.46E-04	9.45E-04
3180	476363.09	3846877.25	0.03649	1.08E-03	1.10E-03	1.10E-03
3181	476863.09	3846877.25	0.03665	1.08E-03	1.10E-03	1.10E-03
3182	477363.09	3846877.25	0.03673	1.08E-03	1.10E-03	1.10E-03
3183	477863.09	3846877.25	0.03522	1.04E-03	1.06E-03	1.06E-03
3184	478363.09	3846877.25	0.03454	1.02E-03	1.04E-03	1.04E-03
3185	478863.09	3846877.25	0.03487	1.03E-03	1.05E-03	1.05E-03
3186	479363.09	3846877.25	0.0335	9.87E-04	1.01E-03	1.01E-03
3187	479863.09	3846877.25	0.02818	8.30E-04	8.47E-04	8.46E-04
3188	480363.09	3846877.25	0.02509	7.39E-04	7.54E-04	7.54E-04
3189	480863.09	3846877.25	0.0238	7.01E-04	7.16E-04	7.15E-04
3190	481363.09	3846877.25	0.02477	7.30E-04	7.45E-04	7.44E-04
3191	481863.09	3846877.25	0.02419	7.13E-04	7.27E-04	7.26E-04
3192	482363.09	3846877.25	0.02122	6.25E-04	6.38E-04	6.37E-04
3193	482863.09	3846877.25	0.02066	6.09E-04	6.21E-04	6.20E-04
3194	483363.09	3846877.25	0.02005	5.91E-04	6.03E-04	6.02E-04
3195	483863.09	3846877.25	0.01959	5.77E-04	5.89E-04	5.88E-04
3196	484363.09	3846877.25	0.01959	5.77E-04	5.89E-04	5.88E-04
3197	484863.09	3846877.25	0.01894	5.58E-04	5.69E-04	5.69E-04
3198	485363.09	3846877.25	0.01893	5.58E-04	5.69E-04	5.69E-04
3199	485863.09	3846877.25	0.01782	5.25E-04	5.36E-04	5.35E-04
3200	486363.09	3846877.25	0.01855	5.47E-04	5.58E-04	5.57E-04
3201	486863.09	3846877.25	0.01575	4.64E-04	4.74E-04	4.73E-04
3202	487363.09	3846877.25	0.01599	4.71E-04	4.81E-04	4.80E-04
3203	487863.09	3846877.25	0.01569	4.62E-04	4.72E-04	4.71E-04
3204	488363.09	3846877.25	0.01502	4.43E-04	4.52E-04	4.51E-04
3205	488863.09	3846877.25	0.01481	4.36E-04	4.45E-04	4.45E-04
3206	489363.09	3846877.25	0.01455	4.29E-04	4.37E-04	4.37E-04
3207	489863.09	3846877.25	0.01365	4.02E-04	4.10E-04	4.10E-04
3208	490363.09	3846877.25	0.01142	3.37E-04	3.43E-04	3.43E-04
3209	490863.09	3846877.25	0.01076	3.17E-04	3.24E-04	3.23E-04

3210	491363.09	3846877.25	0.01058	3.12E-04	3.18E-04	3.18E-04
3211	491863.09	3846877.25	0.00979	2.88E-04	2.94E-04	2.94E-04
3212	492363.09	3846877.25	0.01123	3.31E-04	3.38E-04	3.37E-04
3213	492863.09	3846877.25	0.01122	3.31E-04	3.37E-04	3.37E-04
3214	493363.09	3846877.25	0.01159	3.42E-04	3.48E-04	3.48E-04
3215	493863.09	3846877.25	0.01173	3.46E-04	3.53E-04	3.52E-04
3216	494363.09	3846877.25	0.01165	3.43E-04	3.50E-04	3.50E-04
3217	494863.09	3846877.25	0.01169	3.44E-04	3.51E-04	3.51E-04
3218	495363.09	3846877.25	0.01168	3.44E-04	3.51E-04	3.51E-04
3219	495863.09	3846877.25	0.01167	3.44E-04	3.51E-04	3.50E-04
3220	496363.09	3846877.25	0.01172	3.45E-04	3.52E-04	3.52E-04
3221	496863.09	3846877.25	0.01194	3.52E-04	3.59E-04	3.59E-04
3222	497363.09	3846877.25	0.01232	3.63E-04	3.70E-04	3.70E-04
3223	497863.09	3846877.25	0.01251	3.69E-04	3.76E-04	3.76E-04
3224	498363.09	3846877.25	0.01216	3.58E-04	3.66E-04	3.65E-04
3225	471363.09	3847377.25	0.02878	8.48E-04	8.65E-04	8.64E-04
3226	471863.09	3847377.25	0.03298	9.72E-04	9.92E-04	9.90E-04
3227	472363.09	3847377.25	0.03963	1.17E-03	1.19E-03	1.19E-03
3228	472863.09	3847377.25	0.05005	1.47E-03	1.50E-03	1.50E-03
3229	473363.09	3847377.25	0.03436	1.01E-03	1.03E-03	1.03E-03
3230	473863.09	3847377.25	0.03483	1.03E-03	1.05E-03	1.05E-03
3231	474363.09	3847377.25	0.04012	1.18E-03	1.21E-03	1.20E-03
3232	474863.09	3847377.25	0.04291	1.26E-03	1.29E-03	1.29E-03
3233	475363.09	3847377.25	0.04761	1.40E-03	1.43E-03	1.43E-03
3234	475863.09	3847377.25	0.06393	1.88E-03	1.92E-03	1.92E-03
3235	476363.09	3847377.25	0.07624	2.25E-03	2.29E-03	2.29E-03
3236	476863.09	3847377.25	0.07128	2.10E-03	2.14E-03	2.14E-03
3237	477363.09	3847377.25	0.06823	2.01E-03	2.05E-03	2.05E-03
3238	477863.09	3847377.25	0.0626	1.84E-03	1.88E-03	1.88E-03
3239	478363.09	3847377.25	0.0593	1.75E-03	1.78E-03	1.78E-03
3240	478863.09	3847377.25	0.05724	1.69E-03	1.72E-03	1.72E-03
3241	479363.09	3847377.25	0.04759	1.40E-03	1.43E-03	1.43E-03
3242	479863.09	3847377.25	0.037	1.09E-03	1.11E-03	1.11E-03
3243	480363.09	3847377.25	0.02781	8.19E-04	8.36E-04	8.35E-04
3244	480863.09	3847377.25	0.02501	7.37E-04	7.52E-04	7.51E-04
3245	481363.09	3847377.25	0.02733	8.05E-04	8.22E-04	8.21E-04
3246	481863.09	3847377.25	0.03276	9.65E-04	9.85E-04	9.84E-04
3247	482363.09	3847377.25	0.03135	9.24E-04	9.43E-04	9.42E-04
3248	482863.09	3847377.25	0.0291	8.57E-04	8.75E-04	8.74E-04
3249	483363.09	3847377.25	0.02698	7.95E-04	8.11E-04	8.10E-04
3250	483863.09	3847377.25	0.02623	7.73E-04	7.89E-04	7.88E-04
3251	484363.09	3847377.25	0.02699	7.95E-04	8.12E-04	8.11E-04
3252	484863.09	3847377.25	0.02564	7.56E-04	7.71E-04	7.70E-04
3253	485363.09	3847377.25	0.02494	7.35E-04	7.50E-04	7.49E-04
3254	485863.09	3847377.25	0.02482	7.31E-04	7.46E-04	7.45E-04
3255	486363.09	3847377.25	0.02457	7.24E-04	7.39E-04	7.38E-04
3256	486863.09	3847377.25	0.02178	6.42E-04	6.55E-04	6.54E-04
3257	487363.09	3847377.25	0.02165	6.38E-04	6.51E-04	6.50E-04
3258	487863.09	3847377.25	0.0197	5.80E-04	5.92E-04	5.92E-04
3259	488363.09	3847377.25	0.01884	5.55E-04	5.66E-04	5.66E-04
3260	488863.09	3847377.25	0.01831	5.40E-04	5.51E-04	5.50E-04
3261	489363.09	3847377.25	0.01783	5.25E-04	5.36E-04	5.35E-04
3262	489863.09	3847377.25	0.01618	4.77E-04	4.87E-04	4.86E-04
3263	490363.09	3847377.25	0.01466	4.32E-04	4.41E-04	4.40E-04
3264	490863.09	3847377.25	0.01416	4.17E-04	4.26E-04	4.25E-04
3265	491363.09	3847377.25	0.01347	3.97E-04	4.05E-04	4.05E-04
3266	491863.09	3847377.25	0.01405	4.14E-04	4.22E-04	4.22E-04
3267	492363.09	3847377.25	0.01338	3.94E-04	4.02E-04	4.02E-04
3268	492863.09	3847377.25	0.01351	3.98E-04	4.06E-04	4.06E-04
3269	493363.09	3847377.25	0.01339	3.95E-04	4.03E-04	4.02E-04
3270	493863.09	3847377.25	0.01279	3.77E-04	3.85E-04	3.84E-04
3271	494363.09	3847377.25	0.01229	3.62E-04	3.70E-04	3.69E-04
3272	494863.09	3847377.25	0.01206	3.55E-04	3.63E-04	3.62E-04

3273	495363.09	3847377.25	0.01184	3.49E-04	3.56E-04	3.56E-04
3274	495863.09	3847377.25	0.01183	3.49E-04	3.56E-04	3.55E-04
3275	496363.09	3847377.25	0.01174	3.46E-04	3.53E-04	3.53E-04
3276	496863.09	3847377.25	0.01209	3.56E-04	3.64E-04	3.63E-04
3277	497363.09	3847377.25	0.0127	3.74E-04	3.82E-04	3.81E-04
3278	497863.09	3847377.25	0.01347	3.97E-04	4.05E-04	4.05E-04
3279	498363.09	3847377.25	0.01334	3.93E-04	4.01E-04	4.01E-04
3280	471363.09	3847877.25	0.03444	1.01E-03	1.04E-03	1.03E-03
3281	471863.09	3847877.25	0.04089	1.20E-03	1.23E-03	1.23E-03
3282	472363.09	3847877.25	0.05001	1.47E-03	1.50E-03	1.50E-03
3283	472863.09	3847877.25	0.06659	1.96E-03	2.00E-03	2.00E-03
3284	473363.09	3847877.25	0.10884	3.21E-03	3.27E-03	3.27E-03
3285	473863.09	3847877.25	0.66865	1.97E-02	2.01E-02	2.01E-02
3286	474363.09	3847877.25	0.29534	8.70E-03	8.88E-03	8.87E-03
3287	474863.09	3847877.25	0.24266	7.15E-03	7.30E-03	7.29E-03
3288	475363.09	3847877.25	0.16773	4.94E-03	5.04E-03	5.04E-03
3289	475863.09	3847877.25	0.13135	3.87E-03	3.95E-03	3.94E-03
3290	476363.09	3847877.25	0.14861	4.38E-03	4.47E-03	4.46E-03
3291	476863.09	3847877.25	0.13427	3.96E-03	4.04E-03	4.03E-03
3292	477363.09	3847877.25	0.11985	3.53E-03	3.60E-03	3.60E-03
3293	477863.09	3847877.25	0.10743	3.17E-03	3.23E-03	3.23E-03
3294	478363.09	3847877.25	0.09605	2.83E-03	2.89E-03	2.88E-03
3295	478863.09	3847877.25	0.08794	2.59E-03	2.64E-03	2.64E-03
3296	479363.09	3847877.25	0.06519	1.92E-03	1.96E-03	1.96E-03
3297	479863.09	3847877.25	0.04185	1.23E-03	1.26E-03	1.26E-03
3298	480363.09	3847877.25	0.04268	1.26E-03	1.28E-03	1.28E-03
3299	480863.09	3847877.25	0.03756	1.11E-03	1.13E-03	1.13E-03
3300	481363.09	3847877.25	0.03702	1.09E-03	1.11E-03	1.11E-03
3301	481863.09	3847877.25	0.0463	1.36E-03	1.39E-03	1.39E-03
3302	482363.09	3847877.25	0.04297	1.27E-03	1.29E-03	1.29E-03
3303	482863.09	3847877.25	0.03883	1.14E-03	1.17E-03	1.17E-03
3304	483363.09	3847877.25	0.03614	1.06E-03	1.09E-03	1.09E-03
3305	483863.09	3847877.25	0.03503	1.03E-03	1.05E-03	1.05E-03
3306	484363.09	3847877.25	0.03523	1.04E-03	1.06E-03	1.06E-03
3307	484863.09	3847877.25	0.03379	9.96E-04	1.02E-03	1.01E-03
3308	485363.09	3847877.25	0.03337	9.83E-04	1.00E-03	1.00E-03
3309	485863.09	3847877.25	0.03291	9.70E-04	9.90E-04	9.88E-04
3310	486363.09	3847877.25	0.03026	8.92E-04	9.10E-04	9.09E-04
3311	486863.09	3847877.25	0.02816	8.30E-04	8.47E-04	8.46E-04
3312	487363.09	3847877.25	0.02665	7.85E-04	8.01E-04	8.00E-04
3313	487863.09	3847877.25	0.02445	7.20E-04	7.35E-04	7.34E-04
3314	488363.09	3847877.25	0.0232	6.84E-04	6.98E-04	6.97E-04
3315	488863.09	3847877.25	0.02245	6.62E-04	6.75E-04	6.74E-04
3316	489363.09	3847877.25	0.02173	6.40E-04	6.53E-04	6.53E-04
3317	489863.09	3847877.25	0.02183	6.43E-04	6.56E-04	6.56E-04
3318	490363.09	3847877.25	0.02077	6.12E-04	6.25E-04	6.24E-04
3319	490863.09	3847877.25	0.01933	5.70E-04	5.81E-04	5.81E-04
3320	491363.09	3847877.25	0.0173	5.10E-04	5.20E-04	5.20E-04
3321	491863.09	3847877.25	0.01664	4.90E-04	5.00E-04	5.00E-04
3322	492363.09	3847877.25	0.01623	4.78E-04	4.88E-04	4.87E-04
3323	492863.09	3847877.25	0.01559	4.59E-04	4.69E-04	4.68E-04
3324	493363.09	3847877.25	0.0141	4.15E-04	4.24E-04	4.23E-04
3325	493863.09	3847877.25	0.0131	3.86E-04	3.94E-04	3.93E-04
3326	494363.09	3847877.25	0.01258	3.71E-04	3.78E-04	3.78E-04
3327	494863.09	3847877.25	0.0123	3.62E-04	3.70E-04	3.69E-04
3328	495363.09	3847877.25	0.01168	3.44E-04	3.51E-04	3.51E-04
3329	495863.09	3847877.25	0.00985	2.90E-04	2.96E-04	2.96E-04
3330	496363.09	3847877.25	0.01153	3.40E-04	3.47E-04	3.46E-04
3331	496863.09	3847877.25	0.01186	3.49E-04	3.57E-04	3.56E-04
3332	497363.09	3847877.25	0.0125	3.68E-04	3.76E-04	3.75E-04
3333	497863.09	3847877.25	0.01422	4.19E-04	4.28E-04	4.27E-04
3334	498363.09	3847877.25	0.01447	4.26E-04	4.35E-04	4.35E-04
3335	471363.09	3848377.25	0.03667	1.08E-03	1.10E-03	1.10E-03

3336	471863.09	3848377.25	0.04461	1.31E-03	1.34E-03	1.34E-03
3337	472363.09	3848377.25	0.05671	1.67E-03	1.71E-03	1.70E-03
3338	472863.09	3848377.25	0.0771	2.27E-03	2.32E-03	2.32E-03
3339	473363.09	3848377.25	0.11574	3.41E-03	3.48E-03	3.48E-03
3340	473863.09	3848377.25	0.21293	6.27E-03	6.40E-03	6.39E-03
3341	474363.09	3848377.25	0.77108	2.27E-02	2.32E-02	2.32E-02
3342	474863.09	3848377.25	0.71615	2.11E-02	2.15E-02	2.15E-02
3343	475363.09	3848377.25	0.49031	1.44E-02	1.47E-02	1.47E-02
3344	475863.09	3848377.25	0.29819	8.79E-03	8.97E-03	8.96E-03
3345	476363.09	3848377.25	0.20763	6.12E-03	6.24E-03	6.24E-03
3346	476863.09	3848377.25	0.22275	6.56E-03	6.70E-03	6.69E-03
3347	477363.09	3848377.25	0.19196	5.66E-03	5.77E-03	5.77E-03
3348	477863.09	3848377.25	0.17311	5.10E-03	5.21E-03	5.20E-03
3349	478363.09	3848377.25	0.15221	4.49E-03	4.58E-03	4.57E-03
3350	478863.09	3848377.25	0.12919	3.81E-03	3.88E-03	3.88E-03
3351	479363.09	3848377.25	0.09667	2.85E-03	2.91E-03	2.90E-03
3352	479863.09	3848377.25	0.04108	1.21E-03	1.24E-03	1.23E-03
3353	480363.09	3848377.25	0.05428	1.60E-03	1.63E-03	1.63E-03
3354	480863.09	3848377.25	0.06696	1.97E-03	2.01E-03	2.01E-03
3355	481363.09	3848377.25	0.06388	1.88E-03	1.92E-03	1.92E-03
3356	481863.09	3848377.25	0.06265	1.85E-03	1.88E-03	1.88E-03
3357	482363.09	3848377.25	0.0597	1.76E-03	1.80E-03	1.79E-03
3358	482863.09	3848377.25	0.05246	1.55E-03	1.58E-03	1.58E-03
3359	483363.09	3848377.25	0.049	1.44E-03	1.47E-03	1.47E-03
3360	483863.09	3848377.25	0.04435	1.31E-03	1.33E-03	1.33E-03
3361	484363.09	3848377.25	0.04309	1.27E-03	1.30E-03	1.29E-03
3362	484863.09	3848377.25	0.04417	1.30E-03	1.33E-03	1.33E-03
3363	485363.09	3848377.25	0.04227	1.25E-03	1.27E-03	1.27E-03
3364	485863.09	3848377.25	0.04075	1.20E-03	1.23E-03	1.22E-03
3365	486363.09	3848377.25	0.03806	1.12E-03	1.14E-03	1.14E-03
3366	486863.09	3848377.25	0.03495	1.03E-03	1.05E-03	1.05E-03
3367	487363.09	3848377.25	0.03129	9.22E-04	9.41E-04	9.40E-04
3368	487863.09	3848377.25	0.02987	8.80E-04	8.98E-04	8.97E-04
3369	488363.09	3848377.25	0.02831	8.34E-04	8.51E-04	8.50E-04
3370	488863.09	3848377.25	0.0271	7.99E-04	8.15E-04	8.14E-04
3371	489363.09	3848377.25	0.02632	7.76E-04	7.91E-04	7.90E-04
3372	489863.09	3848377.25	0.02638	7.77E-04	7.93E-04	7.92E-04
3373	490363.09	3848377.25	0.02487	7.33E-04	7.48E-04	7.47E-04
3374	490863.09	3848377.25	0.02264	6.67E-04	6.81E-04	6.80E-04
3375	491363.09	3848377.25	0.02087	6.15E-04	6.28E-04	6.27E-04
3376	491863.09	3848377.25	0.01956	5.76E-04	5.88E-04	5.87E-04
3377	492363.09	3848377.25	0.01743	5.14E-04	5.24E-04	5.23E-04
3378	492863.09	3848377.25	0.0153	4.51E-04	4.60E-04	4.59E-04
3379	493363.09	3848377.25	0.01422	4.19E-04	4.28E-04	4.27E-04
3380	493863.09	3848377.25	0.01326	3.91E-04	3.99E-04	3.98E-04
3381	494363.09	3848377.25	0.0124	3.65E-04	3.73E-04	3.72E-04
3382	494863.09	3848377.25	0.01222	3.60E-04	3.67E-04	3.67E-04
3383	495363.09	3848377.25	0.01082	3.19E-04	3.25E-04	3.25E-04
3384	495863.09	3848377.25	0.01039	3.06E-04	3.12E-04	3.12E-04
3385	496363.09	3848377.25	0.01098	3.24E-04	3.30E-04	3.30E-04
3386	496863.09	3848377.25	0.01038	3.06E-04	3.12E-04	3.12E-04
3387	497363.09	3848377.25	0.01152	3.39E-04	3.46E-04	3.46E-04
3388	497863.09	3848377.25	0.01539	4.53E-04	4.63E-04	4.62E-04
3389	498363.09	3848377.25	0.01528	4.50E-04	4.59E-04	4.59E-04
3390	471363.09	3848877.25	0.037	1.09E-03	1.11E-03	1.11E-03
3391	471863.09	3848877.25	0.04504	1.33E-03	1.35E-03	1.35E-03
3392	472363.09	3848877.25	0.05616	1.65E-03	1.69E-03	1.69E-03
3393	472863.09	3848877.25	0.07255	2.14E-03	2.18E-03	2.18E-03
3394	473363.09	3848877.25	0.09912	2.92E-03	2.98E-03	2.98E-03
3395	473863.09	3848877.25	0.14503	4.27E-03	4.36E-03	4.36E-03
3396	474363.09	3848877.25	0.23033	6.79E-03	6.93E-03	6.92E-03
3397	474863.09	3848877.25	0.65326	1.92E-02	1.96E-02	1.96E-02
3398	475363.09	3848877.25	1.28778	3.79E-02	3.87E-02	3.87E-02

3399	475863.09	3848877.25	0.71252	2.10E-02	2.14E-02	2.14E-02
3400	476363.09	3848877.25	0.49475	1.46E-02	1.49E-02	1.49E-02
3401	476863.09	3848877.25	0.37564	1.11E-02	1.13E-02	1.13E-02
3402	477363.09	3848877.25	0.37423	1.10E-02	1.13E-02	1.12E-02
3403	477863.09	3848877.25	0.30334	8.94E-03	9.12E-03	9.11E-03
3404	478363.09	3848877.25	0.2571	7.58E-03	7.73E-03	7.72E-03
3405	478863.09	3848877.25	0.20851	6.14E-03	6.27E-03	6.26E-03
3406	479363.09	3848877.25	0.16194	4.77E-03	4.87E-03	4.86E-03
3407	479863.09	3848877.25	0.12442	3.67E-03	3.74E-03	3.74E-03
3408	480363.09	3848877.25	0.11624	3.43E-03	3.50E-03	3.49E-03
3409	480863.09	3848877.25	0.10901	3.21E-03	3.28E-03	3.27E-03
3410	481363.09	3848877.25	0.09671	2.85E-03	2.91E-03	2.90E-03
3411	481863.09	3848877.25	0.08223	2.42E-03	2.47E-03	2.47E-03
3412	482363.09	3848877.25	0.06816	2.01E-03	2.05E-03	2.05E-03
3413	482863.09	3848877.25	0.05747	1.69E-03	1.73E-03	1.73E-03
3414	483363.09	3848877.25	0.04986	1.47E-03	1.50E-03	1.50E-03
3415	483863.09	3848877.25	0.04712	1.39E-03	1.42E-03	1.42E-03
3416	484363.09	3848877.25	0.05208	1.53E-03	1.57E-03	1.56E-03
3417	484863.09	3848877.25	0.05585	1.65E-03	1.68E-03	1.68E-03
3418	485363.09	3848877.25	0.05272	1.55E-03	1.59E-03	1.58E-03
3419	485863.09	3848877.25	0.04984	1.47E-03	1.50E-03	1.50E-03
3420	486363.09	3848877.25	0.04514	1.33E-03	1.36E-03	1.36E-03
3421	486863.09	3848877.25	0.0403	1.19E-03	1.21E-03	1.21E-03
3422	487363.09	3848877.25	0.03877	1.14E-03	1.17E-03	1.16E-03
3423	487863.09	3848877.25	0.03606	1.06E-03	1.08E-03	1.08E-03
3424	488363.09	3848877.25	0.03432	1.01E-03	1.03E-03	1.03E-03
3425	488863.09	3848877.25	0.03224	9.50E-04	9.69E-04	9.68E-04
3426	489363.09	3848877.25	0.0313	9.22E-04	9.41E-04	9.40E-04
3427	489863.09	3848877.25	0.03043	8.97E-04	9.15E-04	9.14E-04
3428	490363.09	3848877.25	0.02773	8.17E-04	8.34E-04	8.33E-04
3429	490863.09	3848877.25	0.02513	7.40E-04	7.56E-04	7.55E-04
3430	491363.09	3848877.25	0.0234	6.90E-04	7.04E-04	7.03E-04
3431	491863.09	3848877.25	0.02057	6.06E-04	6.18E-04	6.18E-04
3432	492363.09	3848877.25	0.01789	5.27E-04	5.38E-04	5.37E-04
3433	492863.09	3848877.25	0.01516	4.47E-04	4.56E-04	4.55E-04
3434	493363.09	3848877.25	0.01278	3.77E-04	3.84E-04	3.84E-04
3435	493863.09	3848877.25	0.01261	3.72E-04	3.79E-04	3.79E-04
3436	494363.09	3848877.25	0.01201	3.54E-04	3.61E-04	3.61E-04
3437	494863.09	3848877.25	0.01213	3.57E-04	3.65E-04	3.64E-04
3438	495363.09	3848877.25	0.01196	3.52E-04	3.60E-04	3.59E-04
3439	495863.09	3848877.25	0.01037	3.06E-04	3.12E-04	3.11E-04
3440	496363.09	3848877.25	0.01024	3.02E-04	3.08E-04	3.08E-04
3441	496863.09	3848877.25	0.01138	3.35E-04	3.42E-04	3.42E-04
3442	497363.09	3848877.25	0.01442	4.25E-04	4.34E-04	4.33E-04
3443	497863.09	3848877.25	0.01545	4.55E-04	4.65E-04	4.64E-04
3444	498363.09	3848877.25	0.01601	4.72E-04	4.81E-04	4.81E-04
3445	471363.09	3849377.25	0.03592	1.06E-03	1.08E-03	1.08E-03
3446	471863.09	3849377.25	0.04334	1.28E-03	1.30E-03	1.30E-03
3447	472363.09	3849377.25	0.05215	1.54E-03	1.57E-03	1.57E-03
3448	472863.09	3849377.25	0.06467	1.91E-03	1.94E-03	1.94E-03
3449	473363.09	3849377.25	0.08292	2.44E-03	2.49E-03	2.49E-03
3450	473863.09	3849377.25	0.10851	3.20E-03	3.26E-03	3.26E-03
3451	474363.09	3849377.25	0.14606	4.30E-03	4.39E-03	4.39E-03
3452	474863.09	3849377.25	0.20916	6.16E-03	6.29E-03	6.28E-03
3453	475363.09	3849377.25	0.3473	1.02E-02	1.04E-02	1.04E-02
3454	475863.09	3849377.25	0.6019	1.77E-02	1.81E-02	1.81E-02
3455	476363.09	3849377.25	1.11806	3.29E-02	3.36E-02	3.36E-02
3456	476863.09	3849377.25	2.47839	7.30E-02	7.45E-02	7.44E-02
3457	477363.09	3849377.25	0.89283	2.63E-02	2.68E-02	2.68E-02
3458	477863.09	3849377.25	0.57422	1.69E-02	1.73E-02	1.72E-02
3459	478363.09	3849377.25	0.43294	1.28E-02	1.30E-02	1.30E-02
3460	478863.09	3849377.25	0.32207	9.49E-03	9.68E-03	9.67E-03
3461	479363.09	3849377.25	0.25722	7.58E-03	7.73E-03	7.72E-03

3462	479863.09	3849377.25	0.19009	5.60E-03	5.72E-03	5.71E-03
3463	480363.09	3849377.25	0.18386	5.42E-03	5.53E-03	5.52E-03
3464	480863.09	3849377.25	0.15605	4.60E-03	4.69E-03	4.69E-03
3465	481363.09	3849377.25	0.12435	3.66E-03	3.74E-03	3.73E-03
3466	481863.09	3849377.25	0.09184	2.71E-03	2.76E-03	2.76E-03
3467	482363.09	3849377.25	0.07786	2.29E-03	2.34E-03	2.34E-03
3468	482863.09	3849377.25	0.06323	1.86E-03	1.90E-03	1.90E-03
3469	483363.09	3849377.25	0.05563	1.64E-03	1.67E-03	1.67E-03
3470	483863.09	3849377.25	0.04604	1.36E-03	1.38E-03	1.38E-03
3471	484363.09	3849377.25	0.06153	1.81E-03	1.85E-03	1.85E-03
3472	484863.09	3849377.25	0.06778	2.00E-03	2.04E-03	2.04E-03
3473	485363.09	3849377.25	0.06402	1.89E-03	1.92E-03	1.92E-03
3474	485863.09	3849377.25	0.05167	1.52E-03	1.55E-03	1.55E-03
3475	486363.09	3849377.25	0.0422	1.24E-03	1.27E-03	1.27E-03
3476	486863.09	3849377.25	0.04676	1.38E-03	1.41E-03	1.40E-03
3477	487363.09	3849377.25	0.04584	1.35E-03	1.38E-03	1.38E-03
3478	487863.09	3849377.25	0.04281	1.26E-03	1.29E-03	1.29E-03
3479	488363.09	3849377.25	0.04027	1.19E-03	1.21E-03	1.21E-03
3480	488863.09	3849377.25	0.03832	1.13E-03	1.15E-03	1.15E-03
3481	489363.09	3849377.25	0.03646	1.07E-03	1.10E-03	1.09E-03
3482	489863.09	3849377.25	0.03407	1.00E-03	1.02E-03	1.02E-03
3483	490363.09	3849377.25	0.03062	9.02E-04	9.21E-04	9.20E-04
3484	490863.09	3849377.25	0.02793	8.23E-04	8.40E-04	8.39E-04
3485	491363.09	3849377.25	0.02565	7.56E-04	7.71E-04	7.70E-04
3486	491863.09	3849377.25	0.02235	6.59E-04	6.72E-04	6.71E-04
3487	492363.09	3849377.25	0.0194	5.72E-04	5.83E-04	5.83E-04
3488	492863.09	3849377.25	0.01565	4.61E-04	4.71E-04	4.70E-04
3489	493363.09	3849377.25	0.01404	4.14E-04	4.22E-04	4.22E-04
3490	493863.09	3849377.25	0.01308	3.85E-04	3.93E-04	3.93E-04
3491	494363.09	3849377.25	0.01304	3.84E-04	3.92E-04	3.92E-04
3492	494863.09	3849377.25	0.01471	4.33E-04	4.42E-04	4.42E-04
3493	495363.09	3849377.25	0.01484	4.37E-04	4.46E-04	4.46E-04
3494	495863.09	3849377.25	0.01068	3.15E-04	3.21E-04	3.21E-04
3495	496363.09	3849377.25	0.00988	2.91E-04	2.97E-04	2.97E-04
3496	496863.09	3849377.25	0.01363	4.02E-04	4.10E-04	4.09E-04
3497	497363.09	3849377.25	0.01444	4.25E-04	4.34E-04	4.34E-04
3498	497863.09	3849377.25	0.01815	5.35E-04	5.46E-04	5.45E-04
3499	498363.09	3849377.25	0.01687	4.97E-04	5.07E-04	5.07E-04
3500	471363.09	3849877.25	0.02816	8.30E-04	8.47E-04	8.46E-04
3501	471863.09	3849877.25	0.03816	1.12E-03	1.15E-03	1.15E-03
3502	472363.09	3849877.25	0.04755	1.40E-03	1.43E-03	1.43E-03
3503	472863.09	3849877.25	0.05742	1.69E-03	1.73E-03	1.72E-03
3504	473363.09	3849877.25	0.07005	2.06E-03	2.11E-03	2.10E-03
3505	473863.09	3849877.25	0.08606	2.54E-03	2.59E-03	2.58E-03
3506	474363.09	3849877.25	0.10593	3.12E-03	3.19E-03	3.18E-03
3507	474863.09	3849877.25	0.13117	3.87E-03	3.94E-03	3.94E-03
3508	475363.09	3849877.25	0.16492	4.86E-03	4.96E-03	4.95E-03
3509	475863.09	3849877.25	0.20954	6.17E-03	6.30E-03	6.29E-03
3510	476363.09	3849877.25	0.27371	8.07E-03	8.23E-03	8.22E-03
3511	476863.09	3849877.25	0.38814	1.14E-02	1.17E-02	1.17E-02
3512	477363.09	3849877.25	0.7303	2.15E-02	2.20E-02	2.19E-02
3513	477863.09	3849877.25	2.69511	7.94E-02	8.10E-02	8.09E-02
3514	478363.09	3849877.25	0.97353	2.87E-02	2.93E-02	2.92E-02
3515	478863.09	3849877.25	0.62898	1.85E-02	1.89E-02	1.89E-02
3516	479363.09	3849877.25	0.43725	1.29E-02	1.31E-02	1.31E-02
3517	479863.09	3849877.25	0.34899	1.03E-02	1.05E-02	1.05E-02
3518	480363.09	3849877.25	0.25563	7.53E-03	7.69E-03	7.68E-03
3519	480863.09	3849877.25	0.19751	5.82E-03	5.94E-03	5.93E-03
3520	481363.09	3849877.25	0.16241	4.79E-03	4.88E-03	4.88E-03
3521	481863.09	3849877.25	0.11031	3.25E-03	3.32E-03	3.31E-03
3522	482363.09	3849877.25	0.08842	2.61E-03	2.66E-03	2.66E-03
3523	482863.09	3849877.25	0.0737	2.17E-03	2.22E-03	2.21E-03
3524	483363.09	3849877.25	0.06135	1.81E-03	1.84E-03	1.84E-03

3525	483863.09	3849877.25	0.0579	1.71E-03	1.74E-03	1.74E-03
3526	484363.09	3849877.25	0.07159	2.11E-03	2.15E-03	2.15E-03
3527	484863.09	3849877.25	0.08274	2.44E-03	2.49E-03	2.48E-03
3528	485363.09	3849877.25	0.07443	2.19E-03	2.24E-03	2.24E-03
3529	485863.09	3849877.25	0.06324	1.86E-03	1.90E-03	1.90E-03
3530	486363.09	3849877.25	0.05676	1.67E-03	1.71E-03	1.70E-03
3531	486863.09	3849877.25	0.05759	1.70E-03	1.73E-03	1.73E-03
3532	487363.09	3849877.25	0.05425	1.60E-03	1.63E-03	1.63E-03
3533	487863.09	3849877.25	0.05026	1.48E-03	1.51E-03	1.51E-03
3534	488363.09	3849877.25	0.04704	1.39E-03	1.41E-03	1.41E-03
3535	488863.09	3849877.25	0.04433	1.31E-03	1.33E-03	1.33E-03
3536	489363.09	3849877.25	0.04129	1.22E-03	1.24E-03	1.24E-03
3537	489863.09	3849877.25	0.03771	1.11E-03	1.13E-03	1.13E-03
3538	490363.09	3849877.25	0.03387	9.98E-04	1.02E-03	1.02E-03
3539	490863.09	3849877.25	0.03105	9.15E-04	9.34E-04	9.33E-04
3540	491363.09	3849877.25	0.0283	8.34E-04	8.51E-04	8.50E-04
3541	491863.09	3849877.25	0.0247	7.28E-04	7.43E-04	7.42E-04
3542	492363.09	3849877.25	0.02169	6.39E-04	6.52E-04	6.51E-04
3543	492863.09	3849877.25	0.01827	5.38E-04	5.49E-04	5.49E-04
3544	493363.09	3849877.25	0.01542	4.54E-04	4.64E-04	4.63E-04
3545	493863.09	3849877.25	0.01368	4.03E-04	4.11E-04	4.11E-04
3546	494363.09	3849877.25	0.01635	4.82E-04	4.92E-04	4.91E-04
3547	494863.09	3849877.25	0.01782	5.25E-04	5.36E-04	5.35E-04
3548	495363.09	3849877.25	0.01449	4.27E-04	4.36E-04	4.35E-04
3549	495863.09	3849877.25	0.01622	4.78E-04	4.88E-04	4.87E-04
3550	496363.09	3849877.25	0.01634	4.81E-04	4.91E-04	4.91E-04
3551	496863.09	3849877.25	0.0162	4.77E-04	4.87E-04	4.87E-04
3552	497363.09	3849877.25	0.01858	5.47E-04	5.59E-04	5.58E-04
3553	497863.09	3849877.25	0.01886	5.56E-04	5.67E-04	5.66E-04
3554	498363.09	3849877.25	0.01753	5.17E-04	5.27E-04	5.26E-04
3555	471363.09	3850377.25	0.01485	4.38E-04	4.47E-04	4.46E-04
3556	471863.09	3850377.25	0.02821	8.31E-04	8.48E-04	8.47E-04
3557	472363.09	3850377.25	0.03761	1.11E-03	1.13E-03	1.13E-03
3558	472863.09	3850377.25	0.05047	1.49E-03	1.52E-03	1.52E-03
3559	473363.09	3850377.25	0.05965	1.76E-03	1.79E-03	1.79E-03
3560	473863.09	3850377.25	0.07026	2.07E-03	2.11E-03	2.11E-03
3561	474363.09	3850377.25	0.08158	2.40E-03	2.45E-03	2.45E-03
3562	474863.09	3850377.25	0.09545	2.81E-03	2.87E-03	2.87E-03
3563	475363.09	3850377.25	0.11144	3.28E-03	3.35E-03	3.35E-03
3564	475863.09	3850377.25	0.13241	3.90E-03	3.98E-03	3.98E-03
3565	476363.09	3850377.25	0.16148	4.76E-03	4.86E-03	4.85E-03
3566	476863.09	3850377.25	0.2002	5.90E-03	6.02E-03	6.01E-03
3567	477363.09	3850377.25	0.25496	7.51E-03	7.67E-03	7.66E-03
3568	477863.09	3850377.25	0.36752	1.08E-02	1.11E-02	1.10E-02
3569	478363.09	3850377.25	0.72463	2.14E-02	2.18E-02	2.18E-02
3570	478863.09	3850377.25	2.96374	8.73E-02	8.91E-02	8.90E-02
3571	479363.09	3850377.25	1.02354	3.02E-02	3.08E-02	3.07E-02
3572	479863.09	3850377.25	0.61174	1.80E-02	1.84E-02	1.84E-02
3573	480363.09	3850377.25	0.42598	1.26E-02	1.28E-02	1.28E-02
3574	480863.09	3850377.25	0.34013	1.00E-02	1.02E-02	1.02E-02
3575	481363.09	3850377.25	0.21396	6.30E-03	6.43E-03	6.43E-03
3576	481863.09	3850377.25	0.18056	5.32E-03	5.43E-03	5.42E-03
3577	482363.09	3850377.25	0.15247	4.49E-03	4.58E-03	4.58E-03
3578	482863.09	3850377.25	0.10942	3.22E-03	3.29E-03	3.29E-03
3579	483363.09	3850377.25	0.08644	2.55E-03	2.60E-03	2.60E-03
3580	483863.09	3850377.25	0.08675	2.56E-03	2.61E-03	2.61E-03
3581	484363.09	3850377.25	0.09282	2.74E-03	2.79E-03	2.79E-03
3582	484863.09	3850377.25	0.09709	2.86E-03	2.92E-03	2.92E-03
3583	485363.09	3850377.25	0.08993	2.65E-03	2.70E-03	2.70E-03
3584	485863.09	3850377.25	0.07909	2.33E-03	2.38E-03	2.38E-03
3585	486363.09	3850377.25	0.07354	2.17E-03	2.21E-03	2.21E-03
3586	486863.09	3850377.25	0.06862	2.02E-03	2.06E-03	2.06E-03
3587	487363.09	3850377.25	0.06213	1.83E-03	1.87E-03	1.87E-03

3588	487863.09	3850377.25	0.05797	1.71E-03	1.74E-03	1.74E-03
3589	488363.09	3850377.25	0.05357	1.58E-03	1.61E-03	1.61E-03
3590	488863.09	3850377.25	0.04974	1.47E-03	1.50E-03	1.49E-03
3591	489363.09	3850377.25	0.04587	1.35E-03	1.38E-03	1.38E-03
3592	489863.09	3850377.25	0.04133	1.22E-03	1.24E-03	1.24E-03
3593	490363.09	3850377.25	0.03742	1.10E-03	1.13E-03	1.12E-03
3594	490863.09	3850377.25	0.03414	1.01E-03	1.03E-03	1.03E-03
3595	491363.09	3850377.25	0.03094	9.12E-04	9.30E-04	9.29E-04
3596	491863.09	3850377.25	0.02688	7.92E-04	8.08E-04	8.07E-04
3597	492363.09	3850377.25	0.02292	6.75E-04	6.89E-04	6.88E-04
3598	492863.09	3850377.25	0.02029	5.98E-04	6.10E-04	6.09E-04
3599	493363.09	3850377.25	0.01735	5.11E-04	5.22E-04	5.21E-04
3600	493863.09	3850377.25	0.01794	5.29E-04	5.39E-04	5.39E-04
3601	494363.09	3850377.25	0.0181	5.33E-04	5.44E-04	5.44E-04
3602	494863.09	3850377.25	0.01922	5.66E-04	5.78E-04	5.77E-04
3603	495363.09	3850377.25	0.02062	6.08E-04	6.20E-04	6.19E-04
3604	495863.09	3850377.25	0.01852	5.46E-04	5.57E-04	5.56E-04
3605	496363.09	3850377.25	0.01977	5.83E-04	5.94E-04	5.94E-04
3606	496863.09	3850377.25	0.02065	6.08E-04	6.21E-04	6.20E-04
3607	497363.09	3850377.25	0.02043	6.02E-04	6.14E-04	6.14E-04
3608	497863.09	3850377.25	0.01941	5.72E-04	5.84E-04	5.83E-04
3609	498363.09	3850377.25	0.01842	5.43E-04	5.54E-04	5.53E-04
3610	471363.09	3850877.25	0.01821	5.37E-04	5.48E-04	5.47E-04
3611	471863.09	3850877.25	0.02421	7.13E-04	7.28E-04	7.27E-04
3612	472363.09	3850877.25	0.03342	9.85E-04	1.00E-03	1.00E-03
3613	472863.09	3850877.25	0.04242	1.25E-03	1.28E-03	1.27E-03
3614	473363.09	3850877.25	0.04557	1.34E-03	1.37E-03	1.37E-03
3615	473863.09	3850877.25	0.05671	1.67E-03	1.71E-03	1.70E-03
3616	474363.09	3850877.25	0.06641	1.96E-03	2.00E-03	1.99E-03
3617	474863.09	3850877.25	0.07541	2.22E-03	2.27E-03	2.26E-03
3618	475363.09	3850877.25	0.08561	2.52E-03	2.57E-03	2.57E-03
3619	475863.09	3850877.25	0.09752	2.87E-03	2.93E-03	2.93E-03
3620	476363.09	3850877.25	0.11309	3.33E-03	3.40E-03	3.40E-03
3621	476863.09	3850877.25	0.13325	3.93E-03	4.01E-03	4.00E-03
3622	477363.09	3850877.25	0.15894	4.68E-03	4.78E-03	4.77E-03
3623	477863.09	3850877.25	0.19258	5.67E-03	5.79E-03	5.78E-03
3624	478363.09	3850877.25	0.24985	7.36E-03	7.51E-03	7.50E-03
3625	478863.09	3850877.25	0.35195	1.04E-02	1.06E-02	1.06E-02
3626	479363.09	3850877.25	0.6397	1.88E-02	1.92E-02	1.92E-02
3627	479863.09	3850877.25	3.69076	1.09E-01	1.11E-01	1.11E-01
3628	480363.09	3850877.25	1.0648	3.14E-02	3.20E-02	3.20E-02
3629	480863.09	3850877.25	0.62771	1.85E-02	1.89E-02	1.89E-02
3630	481363.09	3850877.25	0.43178	1.27E-02	1.30E-02	1.30E-02
3631	481863.09	3850877.25	0.30436	8.97E-03	9.15E-03	9.14E-03
3632	482363.09	3850877.25	0.21208	6.25E-03	6.38E-03	6.37E-03
3633	482863.09	3850877.25	0.16526	4.87E-03	4.97E-03	4.96E-03
3634	483363.09	3850877.25	0.12736	3.75E-03	3.83E-03	3.82E-03
3635	483863.09	3850877.25	0.11516	3.39E-03	3.46E-03	3.46E-03
3636	484363.09	3850877.25	0.11778	3.47E-03	3.54E-03	3.54E-03
3637	484863.09	3850877.25	0.10939	3.22E-03	3.29E-03	3.29E-03
3638	485363.09	3850877.25	0.10348	3.05E-03	3.11E-03	3.11E-03
3639	485863.09	3850877.25	0.08894	2.62E-03	2.67E-03	2.67E-03
3640	486363.09	3850877.25	0.08491	2.50E-03	2.55E-03	2.55E-03
3641	486863.09	3850877.25	0.07796	2.30E-03	2.34E-03	2.34E-03
3642	487363.09	3850877.25	0.06984	2.06E-03	2.10E-03	2.10E-03
3643	487863.09	3850877.25	0.06425	1.89E-03	1.93E-03	1.93E-03
3644	488363.09	3850877.25	0.05933	1.75E-03	1.78E-03	1.78E-03
3645	488863.09	3850877.25	0.05429	1.60E-03	1.63E-03	1.63E-03
3646	489363.09	3850877.25	0.04987	1.47E-03	1.50E-03	1.50E-03
3647	489863.09	3850877.25	0.04522	1.33E-03	1.36E-03	1.36E-03
3648	490363.09	3850877.25	0.04144	1.22E-03	1.25E-03	1.24E-03
3649	490863.09	3850877.25	0.03772	1.11E-03	1.13E-03	1.13E-03
3650	491363.09	3850877.25	0.03354	9.88E-04	1.01E-03	1.01E-03

3651	491863.09	3850877.25	0.02947	8.68E-04	8.86E-04	8.85E-04
3652	492363.09	3850877.25	0.02593	7.64E-04	7.80E-04	7.79E-04
3653	492863.09	3850877.25	0.02326	6.85E-04	6.99E-04	6.99E-04
3654	493363.09	3850877.25	0.02158	6.36E-04	6.49E-04	6.48E-04
3655	493863.09	3850877.25	0.02212	6.52E-04	6.65E-04	6.64E-04
3656	494363.09	3850877.25	0.02149	6.33E-04	6.46E-04	6.45E-04
3657	494863.09	3850877.25	0.02219	6.54E-04	6.67E-04	6.66E-04
3658	495363.09	3850877.25	0.02292	6.75E-04	6.89E-04	6.88E-04
3659	495863.09	3850877.25	0.02198	6.48E-04	6.61E-04	6.60E-04
3660	496363.09	3850877.25	0.02178	6.42E-04	6.55E-04	6.54E-04
3661	496863.09	3850877.25	0.02218	6.54E-04	6.67E-04	6.66E-04
3662	497363.09	3850877.25	0.02123	6.26E-04	6.38E-04	6.38E-04
3663	497863.09	3850877.25	0.01999	5.89E-04	6.01E-04	6.00E-04
3664	498363.09	3850877.25	0.01879	5.54E-04	5.65E-04	5.64E-04
3665	471363.09	3851377.25	0.01782	5.25E-04	5.36E-04	5.35E-04
3666	471863.09	3851377.25	0.02602	7.67E-04	7.82E-04	7.81E-04
3667	472363.09	3851377.25	0.02884	8.50E-04	8.67E-04	8.66E-04
3668	472863.09	3851377.25	0.03213	9.47E-04	9.66E-04	9.65E-04
3669	473363.09	3851377.25	0.03041	8.96E-04	9.14E-04	9.13E-04
3670	473863.09	3851377.25	0.03621	1.07E-03	1.09E-03	1.09E-03
3671	474363.09	3851377.25	0.05002	1.47E-03	1.50E-03	1.50E-03
3672	474863.09	3851377.25	0.06086	1.79E-03	1.83E-03	1.83E-03
3673	475363.09	3851377.25	0.06926	2.04E-03	2.08E-03	2.08E-03
3674	475863.09	3851377.25	0.07759	2.29E-03	2.33E-03	2.33E-03
3675	476363.09	3851377.25	0.08774	2.59E-03	2.64E-03	2.64E-03
3676	476863.09	3851377.25	0.10034	2.96E-03	3.02E-03	3.01E-03
3677	477363.09	3851377.25	0.11486	3.38E-03	3.45E-03	3.45E-03
3678	477863.09	3851377.25	0.13365	3.94E-03	4.02E-03	4.01E-03
3679	478363.09	3851377.25	0.15862	4.67E-03	4.77E-03	4.76E-03
3680	478863.09	3851377.25	0.19274	5.68E-03	5.80E-03	5.79E-03
3681	479363.09	3851377.25	0.24801	7.31E-03	7.46E-03	7.45E-03
3682	479863.09	3851377.25	0.34652	1.02E-02	1.04E-02	1.04E-02
3683	480363.09	3851377.25	0.62139	1.83E-02	1.87E-02	1.87E-02
3684	480863.09	3851377.25	3.07324	9.06E-02	9.24E-02	9.23E-02
3685	481363.09	3851377.25	0.99945	2.95E-02	3.01E-02	3.00E-02
3686	481863.09	3851377.25	0.51215	1.51E-02	1.54E-02	1.54E-02
3687	482363.09	3851377.25	0.33847	9.97E-03	1.02E-02	1.02E-02
3688	482863.09	3851377.25	0.22605	6.66E-03	6.80E-03	6.79E-03
3689	483363.09	3851377.25	0.16339	4.81E-03	4.91E-03	4.91E-03
3690	483863.09	3851377.25	0.13628	4.02E-03	4.10E-03	4.09E-03
3691	484363.09	3851377.25	0.14285	4.21E-03	4.30E-03	4.29E-03
3692	484863.09	3851377.25	0.11077	3.26E-03	3.33E-03	3.33E-03
3693	485363.09	3851377.25	0.11746	3.46E-03	3.53E-03	3.53E-03
3694	485863.09	3851377.25	0.09905	2.92E-03	2.98E-03	2.97E-03
3695	486363.09	3851377.25	0.09517	2.80E-03	2.86E-03	2.86E-03
3696	486863.09	3851377.25	0.0853	2.51E-03	2.56E-03	2.56E-03
3697	487363.09	3851377.25	0.07193	2.12E-03	2.16E-03	2.16E-03
3698	487863.09	3851377.25	0.06917	2.04E-03	2.08E-03	2.08E-03
3699	488363.09	3851377.25	0.06402	1.89E-03	1.92E-03	1.92E-03
3700	488863.09	3851377.25	0.0583	1.72E-03	1.75E-03	1.75E-03
3701	489363.09	3851377.25	0.05316	1.57E-03	1.60E-03	1.60E-03
3702	489863.09	3851377.25	0.04819	1.42E-03	1.45E-03	1.45E-03
3703	490363.09	3851377.25	0.04391	1.29E-03	1.32E-03	1.32E-03
3704	490863.09	3851377.25	0.03974	1.17E-03	1.19E-03	1.19E-03
3705	491363.09	3851377.25	0.03523	1.04E-03	1.06E-03	1.06E-03
3706	491863.09	3851377.25	0.03148	9.28E-04	9.47E-04	9.45E-04
3707	492363.09	3851377.25	0.02864	8.44E-04	8.61E-04	8.60E-04
3708	492863.09	3851377.25	0.02566	7.56E-04	7.72E-04	7.71E-04
3709	493363.09	3851377.25	0.02102	6.19E-04	6.32E-04	6.31E-04
3710	493863.09	3851377.25	0.0215	6.34E-04	6.46E-04	6.46E-04
3711	494363.09	3851377.25	0.02397	7.06E-04	7.21E-04	7.20E-04
3712	494863.09	3851377.25	0.02329	6.86E-04	7.00E-04	6.99E-04
3713	495363.09	3851377.25	0.02503	7.38E-04	7.53E-04	7.52E-04

3714	495863.09	3851377.25	0.02469	7.28E-04	7.42E-04	7.42E-04
3715	496363.09	3851377.25	0.02389	7.04E-04	7.18E-04	7.17E-04
3716	496863.09	3851377.25	0.02284	6.73E-04	6.87E-04	6.86E-04
3717	497363.09	3851377.25	0.02178	6.42E-04	6.55E-04	6.54E-04
3718	497863.09	3851377.25	0.02054	6.05E-04	6.18E-04	6.17E-04
3719	498363.09	3851377.25	0.01878	5.53E-04	5.65E-04	5.64E-04
3720	471363.09	3851877.25	0.01806	5.32E-04	5.43E-04	5.42E-04
3721	471863.09	3851877.25	0.01817	5.35E-04	5.46E-04	5.46E-04
3722	472363.09	3851877.25	0.0229	6.75E-04	6.89E-04	6.88E-04
3723	472863.09	3851877.25	0.0277	8.16E-04	8.33E-04	8.32E-04
3724	473363.09	3851877.25	0.02664	7.85E-04	8.01E-04	8.00E-04
3725	473863.09	3851877.25	0.02892	8.52E-04	8.70E-04	8.69E-04
3726	474363.09	3851877.25	0.03788	1.12E-03	1.14E-03	1.14E-03
3727	474863.09	3851877.25	0.04746	1.40E-03	1.43E-03	1.43E-03
3728	475363.09	3851877.25	0.05493	1.62E-03	1.65E-03	1.65E-03
3729	475863.09	3851877.25	0.06158	1.81E-03	1.85E-03	1.85E-03
3730	476363.09	3851877.25	0.06487	1.91E-03	1.95E-03	1.95E-03
3731	476863.09	3851877.25	0.07523	2.22E-03	2.26E-03	2.26E-03
3732	477363.09	3851877.25	0.08667	2.55E-03	2.61E-03	2.60E-03
3733	477863.09	3851877.25	0.09879	2.91E-03	2.97E-03	2.97E-03
3734	478363.09	3851877.25	0.11081	3.27E-03	3.33E-03	3.33E-03
3735	478863.09	3851877.25	0.13248	3.90E-03	3.98E-03	3.98E-03
3736	479363.09	3851877.25	0.15923	4.69E-03	4.79E-03	4.78E-03
3737	479863.09	3851877.25	0.19254	5.67E-03	5.79E-03	5.78E-03
3738	480363.09	3851877.25	0.25076	7.39E-03	7.54E-03	7.53E-03
3739	480863.09	3851877.25	0.36497	1.08E-02	1.10E-02	1.10E-02
3740	481363.09	3851877.25	0.88552	2.61E-02	2.66E-02	2.66E-02
3741	481863.09	3851877.25	0.97843	2.88E-02	2.94E-02	2.94E-02
3742	482363.09	3851877.25	0.38462	1.13E-02	1.16E-02	1.16E-02
3743	482863.09	3851877.25	0.23366	6.89E-03	7.03E-03	7.02E-03
3744	483363.09	3851877.25	0.20555	6.06E-03	6.18E-03	6.17E-03
3745	483863.09	3851877.25	0.1715	5.05E-03	5.16E-03	5.15E-03
3746	484363.09	3851877.25	0.16246	4.79E-03	4.88E-03	4.88E-03
3747	484863.09	3851877.25	0.13853	4.08E-03	4.17E-03	4.16E-03
3748	485363.09	3851877.25	0.12692	3.74E-03	3.82E-03	3.81E-03
3749	485863.09	3851877.25	0.11553	3.40E-03	3.47E-03	3.47E-03
3750	486363.09	3851877.25	0.0989	2.91E-03	2.97E-03	2.97E-03
3751	486863.09	3851877.25	0.08915	2.63E-03	2.68E-03	2.68E-03
3752	487363.09	3851877.25	0.08024	2.36E-03	2.41E-03	2.41E-03
3753	487863.09	3851877.25	0.0677	1.99E-03	2.04E-03	2.03E-03
3754	488363.09	3851877.25	0.06183	1.82E-03	1.86E-03	1.86E-03
3755	488863.09	3851877.25	0.05432	1.60E-03	1.63E-03	1.63E-03
3756	489363.09	3851877.25	0.04811	1.42E-03	1.45E-03	1.44E-03
3757	489863.09	3851877.25	0.0435	1.28E-03	1.31E-03	1.31E-03
3758	490363.09	3851877.25	0.04039	1.19E-03	1.21E-03	1.21E-03
3759	490863.09	3851877.25	0.03792	1.12E-03	1.14E-03	1.14E-03
3760	491363.09	3851877.25	0.03596	1.06E-03	1.08E-03	1.08E-03
3761	491863.09	3851877.25	0.03377	9.95E-04	1.02E-03	1.01E-03
3762	492363.09	3851877.25	0.03041	8.96E-04	9.14E-04	9.13E-04
3763	492863.09	3851877.25	0.02426	7.15E-04	7.29E-04	7.29E-04
3764	493363.09	3851877.25	0.02696	7.94E-04	8.11E-04	8.10E-04
3765	493863.09	3851877.25	0.02924	8.62E-04	8.79E-04	8.78E-04
3766	494363.09	3851877.25	0.02674	7.88E-04	8.04E-04	8.03E-04
3767	494863.09	3851877.25	0.02736	8.06E-04	8.23E-04	8.22E-04
3768	495363.09	3851877.25	0.02702	7.96E-04	8.12E-04	8.11E-04
3769	495863.09	3851877.25	0.02632	7.76E-04	7.91E-04	7.90E-04
3770	496363.09	3851877.25	0.02487	7.33E-04	7.48E-04	7.47E-04
3771	496863.09	3851877.25	0.0234	6.90E-04	7.04E-04	7.03E-04
3772	497363.09	3851877.25	0.02194	6.46E-04	6.60E-04	6.59E-04
3773	497863.09	3851877.25	0.01992	5.87E-04	5.99E-04	5.98E-04
3774	498363.09	3851877.25	0.01813	5.34E-04	5.45E-04	5.44E-04
3775	471363.09	3852377.25	0.01395	4.11E-04	4.19E-04	4.19E-04
3776	471863.09	3852377.25	0.01737	5.12E-04	5.22E-04	5.22E-04

3777	472363.09	3852377.25	0.02004	5.91E-04	6.03E-04	6.02E-04
3778	472863.09	3852377.25	0.0228	6.72E-04	6.86E-04	6.85E-04
3779	473363.09	3852377.25	0.02487	7.33E-04	7.48E-04	7.47E-04
3780	473863.09	3852377.25	0.02629	7.75E-04	7.90E-04	7.90E-04
3781	474363.09	3852377.25	0.02798	8.24E-04	8.41E-04	8.40E-04
3782	474863.09	3852377.25	0.03935	1.16E-03	1.18E-03	1.18E-03
3783	475363.09	3852377.25	0.04238	1.25E-03	1.27E-03	1.27E-03
3784	475863.09	3852377.25	0.04508	1.33E-03	1.36E-03	1.35E-03
3785	476363.09	3852377.25	0.04613	1.36E-03	1.39E-03	1.39E-03
3786	476863.09	3852377.25	0.05168	1.52E-03	1.55E-03	1.55E-03
3787	477363.09	3852377.25	0.05511	1.62E-03	1.66E-03	1.66E-03
3788	477863.09	3852377.25	0.04674	1.38E-03	1.41E-03	1.40E-03
3789	478363.09	3852377.25	0.04224	1.24E-03	1.27E-03	1.27E-03
3790	478863.09	3852377.25	0.06332	1.87E-03	1.90E-03	1.90E-03
3791	479363.09	3852377.25	0.08156	2.40E-03	2.45E-03	2.45E-03
3792	479863.09	3852377.25	0.1246	3.67E-03	3.75E-03	3.74E-03
3793	480363.09	3852377.25	0.16162	4.76E-03	4.86E-03	4.85E-03
3794	480863.09	3852377.25	0.20871	6.15E-03	6.28E-03	6.27E-03
3795	481363.09	3852377.25	0.31432	9.26E-03	9.45E-03	9.44E-03
3796	481863.09	3852377.25	0.88839	2.62E-02	2.67E-02	2.67E-02
3797	482363.09	3852377.25	0.88087	2.60E-02	2.65E-02	2.65E-02
3798	482863.09	3852377.25	0.41641	1.23E-02	1.25E-02	1.25E-02
3799	483363.09	3852377.25	0.24432	7.20E-03	7.35E-03	7.34E-03
3800	483863.09	3852377.25	0.18476	5.44E-03	5.56E-03	5.55E-03
3801	484363.09	3852377.25	0.17498	5.16E-03	5.26E-03	5.26E-03
3802	484863.09	3852377.25	0.15883	4.68E-03	4.78E-03	4.77E-03
3803	485363.09	3852377.25	0.14288	4.21E-03	4.30E-03	4.29E-03
3804	485863.09	3852377.25	0.12034	3.55E-03	3.62E-03	3.61E-03
3805	486363.09	3852377.25	0.09857	2.90E-03	2.96E-03	2.96E-03
3806	486863.09	3852377.25	0.08614	2.54E-03	2.59E-03	2.59E-03
3807	487363.09	3852377.25	0.07403	2.18E-03	2.23E-03	2.22E-03
3808	487863.09	3852377.25	0.06383	1.88E-03	1.92E-03	1.92E-03
3809	488363.09	3852377.25	0.05516	1.63E-03	1.66E-03	1.66E-03
3810	488863.09	3852377.25	0.04722	1.39E-03	1.42E-03	1.42E-03
3811	489363.09	3852377.25	0.04148	1.22E-03	1.25E-03	1.25E-03
3812	489863.09	3852377.25	0.03526	1.04E-03	1.06E-03	1.06E-03
3813	490363.09	3852377.25	0.03551	1.05E-03	1.07E-03	1.07E-03
3814	490863.09	3852377.25	0.03499	1.03E-03	1.05E-03	1.05E-03
3815	491363.09	3852377.25	0.0372	1.10E-03	1.12E-03	1.12E-03
3816	491863.09	3852377.25	0.03533	1.04E-03	1.06E-03	1.06E-03
3817	492363.09	3852377.25	0.03336	9.83E-04	1.00E-03	1.00E-03
3818	492863.09	3852377.25	0.03281	9.67E-04	9.87E-04	9.85E-04
3819	493363.09	3852377.25	0.0333	9.81E-04	1.00E-03	1.00E-03
3820	493863.09	3852377.25	0.03123	9.20E-04	9.39E-04	9.38E-04
3821	494363.09	3852377.25	0.02935	8.65E-04	8.82E-04	8.81E-04
3822	494863.09	3852377.25	0.029	8.55E-04	8.72E-04	8.71E-04
3823	495363.09	3852377.25	0.02865	8.44E-04	8.61E-04	8.60E-04
3824	495863.09	3852377.25	0.02674	7.88E-04	8.04E-04	8.03E-04
3825	496363.09	3852377.25	0.02488	7.33E-04	7.48E-04	7.47E-04
3826	496863.09	3852377.25	0.02346	6.91E-04	7.05E-04	7.05E-04
3827	497363.09	3852377.25	0.02104	6.20E-04	6.33E-04	6.32E-04
3828	497863.09	3852377.25	0.01865	5.50E-04	5.61E-04	5.60E-04
3829	498363.09	3852377.25	0.0165	4.86E-04	4.96E-04	4.96E-04
3830	471363.09	3852877.25	0.01406	4.14E-04	4.23E-04	4.22E-04
3831	471863.09	3852877.25	0.01633	4.81E-04	4.91E-04	4.90E-04
3832	472363.09	3852877.25	0.01863	5.49E-04	5.60E-04	5.60E-04
3833	472863.09	3852877.25	0.0209	6.16E-04	6.28E-04	6.28E-04
3834	473363.09	3852877.25	0.02328	6.86E-04	7.00E-04	6.99E-04
3835	473863.09	3852877.25	0.02634	7.76E-04	7.92E-04	7.91E-04
3836	474363.09	3852877.25	0.02952	8.70E-04	8.88E-04	8.87E-04
3837	474863.09	3852877.25	0.02774	8.17E-04	8.34E-04	8.33E-04
3838	475363.09	3852877.25	0.03218	9.48E-04	9.68E-04	9.66E-04
3839	475863.09	3852877.25	0.03436	1.01E-03	1.03E-03	1.03E-03

3840	476363.09	3852877.25	0.0323	9.52E-04	9.71E-04	9.70E-04
3841	476863.09	3852877.25	0.02709	7.98E-04	8.15E-04	8.14E-04
3842	477363.09	3852877.25	0.02385	7.03E-04	7.17E-04	7.16E-04
3843	477863.09	3852877.25	0.02015	5.94E-04	6.06E-04	6.05E-04
3844	478363.09	3852877.25	0.01433	4.22E-04	4.31E-04	4.30E-04
3845	478863.09	3852877.25	0.01958	5.77E-04	5.89E-04	5.88E-04
3846	479363.09	3852877.25	0.03268	9.63E-04	9.83E-04	9.81E-04
3847	479863.09	3852877.25	0.06853	2.02E-03	2.06E-03	2.06E-03
3848	480363.09	3852877.25	0.11352	3.35E-03	3.41E-03	3.41E-03
3849	480863.09	3852877.25	0.14185	4.18E-03	4.27E-03	4.26E-03
3850	481363.09	3852877.25	0.18765	5.53E-03	5.64E-03	5.64E-03
3851	481863.09	3852877.25	0.29533	8.70E-03	8.88E-03	8.87E-03
3852	482363.09	3852877.25	0.98021	2.89E-02	2.95E-02	2.94E-02
3853	482863.09	3852877.25	0.81701	2.41E-02	2.46E-02	2.45E-02
3854	483363.09	3852877.25	0.37016	1.09E-02	1.11E-02	1.11E-02
3855	483863.09	3852877.25	0.21244	6.26E-03	6.39E-03	6.38E-03
3856	484363.09	3852877.25	0.19155	5.64E-03	5.76E-03	5.75E-03
3857	484863.09	3852877.25	0.16532	4.87E-03	4.97E-03	4.96E-03
3858	485363.09	3852877.25	0.11898	3.51E-03	3.58E-03	3.57E-03
3859	485863.09	3852877.25	0.09852	2.90E-03	2.96E-03	2.96E-03
3860	486363.09	3852877.25	0.08171	2.41E-03	2.46E-03	2.45E-03
3861	486863.09	3852877.25	0.07208	2.12E-03	2.17E-03	2.16E-03
3862	487363.09	3852877.25	0.0617	1.82E-03	1.86E-03	1.85E-03
3863	487863.09	3852877.25	0.05406	1.59E-03	1.63E-03	1.62E-03
3864	488363.09	3852877.25	0.03812	1.12E-03	1.15E-03	1.14E-03
3865	488863.09	3852877.25	0.03788	1.12E-03	1.14E-03	1.14E-03
3866	489363.09	3852877.25	0.03579	1.05E-03	1.08E-03	1.07E-03
3867	489863.09	3852877.25	0.03378	9.95E-04	1.02E-03	1.01E-03
3868	490363.09	3852877.25	0.03873	1.14E-03	1.16E-03	1.16E-03
3869	490863.09	3852877.25	0.03871	1.14E-03	1.16E-03	1.16E-03
3870	491363.09	3852877.25	0.03826	1.13E-03	1.15E-03	1.15E-03
3871	491863.09	3852877.25	0.03656	1.08E-03	1.10E-03	1.10E-03
3872	492363.09	3852877.25	0.03529	1.04E-03	1.06E-03	1.06E-03
3873	492863.09	3852877.25	0.03517	1.04E-03	1.06E-03	1.06E-03
3874	493363.09	3852877.25	0.03434	1.01E-03	1.03E-03	1.03E-03
3875	493863.09	3852877.25	0.03245	9.56E-04	9.76E-04	9.75E-04
3876	494363.09	3852877.25	0.0309	9.11E-04	9.29E-04	9.28E-04
3877	494863.09	3852877.25	0.02984	8.79E-04	8.97E-04	8.96E-04
3878	495363.09	3852877.25	0.02772	8.17E-04	8.33E-04	8.33E-04
3879	495863.09	3852877.25	0.02575	7.59E-04	7.74E-04	7.73E-04
3880	496363.09	3852877.25	0.02461	7.25E-04	7.40E-04	7.39E-04
3881	496863.09	3852877.25	0.02311	6.81E-04	6.95E-04	6.94E-04
3882	497363.09	3852877.25	0.01999	5.89E-04	6.01E-04	6.00E-04
3883	497863.09	3852877.25	0.01516	4.47E-04	4.56E-04	4.55E-04
3884	498363.09	3852877.25	0.01401	4.13E-04	4.21E-04	4.21E-04
3885	471363.09	3853377.25	0.01403	4.13E-04	4.22E-04	4.21E-04
3886	471863.09	3853377.25	0.01574	4.64E-04	4.73E-04	4.73E-04
3887	472363.09	3853377.25	0.01743	5.14E-04	5.24E-04	5.23E-04
3888	472863.09	3853377.25	0.01933	5.70E-04	5.81E-04	5.81E-04
3889	473363.09	3853377.25	0.02067	6.09E-04	6.22E-04	6.21E-04
3890	473863.09	3853377.25	0.02225	6.56E-04	6.69E-04	6.68E-04
3891	474363.09	3853377.25	0.02355	6.94E-04	7.08E-04	7.07E-04
3892	474863.09	3853377.25	0.02295	6.76E-04	6.90E-04	6.89E-04
3893	475363.09	3853377.25	0.02308	6.80E-04	6.94E-04	6.93E-04
3894	475863.09	3853377.25	0.0231	6.81E-04	6.95E-04	6.94E-04
3895	476363.09	3853377.25	0.02058	6.06E-04	6.19E-04	6.18E-04
3896	476863.09	3853377.25	0.01581	4.66E-04	4.75E-04	4.75E-04
3897	477363.09	3853377.25	0.01524	4.49E-04	4.58E-04	4.58E-04
3898	477863.09	3853377.25	0.0158	4.66E-04	4.75E-04	4.75E-04
3899	478363.09	3853377.25	0.01243	3.66E-04	3.74E-04	3.73E-04
3900	478863.09	3853377.25	0.00827	2.44E-04	2.49E-04	2.48E-04
3901	479363.09	3853377.25	0.01849	5.45E-04	5.56E-04	5.55E-04
3902	479863.09	3853377.25	0.03346	9.86E-04	1.01E-03	1.00E-03

3903	480363.09	3853377.25	0.06516	1.92E-03	1.96E-03	1.96E-03
3904	480863.09	3853377.25	0.06543	1.93E-03	1.97E-03	1.97E-03
3905	481363.09	3853377.25	0.10822	3.19E-03	3.25E-03	3.25E-03
3906	481863.09	3853377.25	0.1644	4.84E-03	4.94E-03	4.94E-03
3907	482363.09	3853377.25	0.27034	7.97E-03	8.13E-03	8.12E-03
3908	482863.09	3853377.25	1.90988	5.63E-02	5.74E-02	5.74E-02
3909	483363.09	3853377.25	0.3664	1.08E-02	1.10E-02	1.10E-02
3910	483863.09	3853377.25	0.2162	6.37E-03	6.50E-03	6.49E-03
3911	484363.09	3853377.25	0.17291	5.10E-03	5.20E-03	5.19E-03
3912	484863.09	3853377.25	0.12651	3.73E-03	3.80E-03	3.80E-03
3913	485363.09	3853377.25	0.08773	2.59E-03	2.64E-03	2.63E-03
3914	485863.09	3853377.25	0.06504	1.92E-03	1.96E-03	1.95E-03
3915	486363.09	3853377.25	0.06117	1.80E-03	1.84E-03	1.84E-03
3916	486863.09	3853377.25	0.05646	1.66E-03	1.70E-03	1.70E-03
3917	487363.09	3853377.25	0.0545	1.61E-03	1.64E-03	1.64E-03
3918	487863.09	3853377.25	0.05171	1.52E-03	1.55E-03	1.55E-03
3919	488363.09	3853377.25	0.05001	1.47E-03	1.50E-03	1.50E-03
3920	488863.09	3853377.25	0.04693	1.38E-03	1.41E-03	1.41E-03
3921	489363.09	3853377.25	0.04397	1.30E-03	1.32E-03	1.32E-03
3922	489863.09	3853377.25	0.04048	1.19E-03	1.22E-03	1.22E-03
3923	490363.09	3853377.25	0.03985	1.17E-03	1.20E-03	1.20E-03
3924	490863.09	3853377.25	0.03882	1.14E-03	1.17E-03	1.17E-03
3925	491363.09	3853377.25	0.03772	1.11E-03	1.13E-03	1.13E-03
3926	491863.09	3853377.25	0.03649	1.08E-03	1.10E-03	1.10E-03
3927	492363.09	3853377.25	0.03601	1.06E-03	1.08E-03	1.08E-03
3928	492863.09	3853377.25	0.03547	1.05E-03	1.07E-03	1.07E-03
3929	493363.09	3853377.25	0.03412	1.01E-03	1.03E-03	1.02E-03
3930	493863.09	3853377.25	0.0327	9.64E-04	9.83E-04	9.82E-04
3931	494363.09	3853377.25	0.03076	9.06E-04	9.25E-04	9.24E-04
3932	494863.09	3853377.25	0.0287	8.46E-04	8.63E-04	8.62E-04
3933	495363.09	3853377.25	0.02731	8.05E-04	8.21E-04	8.20E-04
3934	495863.09	3853377.25	0.02562	7.55E-04	7.70E-04	7.69E-04
3935	496363.09	3853377.25	0.02361	6.96E-04	7.10E-04	7.09E-04
3936	496863.09	3853377.25	0.02097	6.18E-04	6.31E-04	6.30E-04
3937	497363.09	3853377.25	0.01768	5.21E-04	5.32E-04	5.31E-04
3938	497863.09	3853377.25	0.01179	3.47E-04	3.55E-04	3.54E-04
3939	498363.09	3853377.25	0.00913	2.69E-04	2.75E-04	2.74E-04
3940	471363.09	3853877.25	0.01366	4.03E-04	4.11E-04	4.10E-04
3941	471863.09	3853877.25	0.01531	4.51E-04	4.60E-04	4.60E-04
3942	472363.09	3853877.25	0.01643	4.84E-04	4.94E-04	4.93E-04
3943	472863.09	3853877.25	0.01791	5.28E-04	5.39E-04	5.38E-04
3944	473363.09	3853877.25	0.01875	5.52E-04	5.64E-04	5.63E-04
3945	473863.09	3853877.25	0.01963	5.78E-04	5.90E-04	5.90E-04
3946	474363.09	3853877.25	0.02071	6.10E-04	6.23E-04	6.22E-04
3947	474863.09	3853877.25	0.02135	6.29E-04	6.42E-04	6.41E-04
3948	475363.09	3853877.25	0.02003	5.90E-04	6.02E-04	6.02E-04
3949	475863.09	3853877.25	0.01605	4.73E-04	4.83E-04	4.82E-04
3950	476363.09	3853877.25	0.01214	3.58E-04	3.65E-04	3.65E-04
3951	476863.09	3853877.25	0.00798	2.35E-04	2.40E-04	2.40E-04
3952	477363.09	3853877.25	0.00887	2.61E-04	2.67E-04	2.66E-04
3953	477863.09	3853877.25	0.01094	3.22E-04	3.29E-04	3.29E-04
3954	478363.09	3853877.25	0.01156	3.41E-04	3.48E-04	3.47E-04
3955	478863.09	3853877.25	0.00657	1.94E-04	1.98E-04	1.97E-04
3956	479363.09	3853877.25	0.0107	3.15E-04	3.22E-04	3.21E-04
3957	479863.09	3853877.25	0.0246	7.25E-04	7.40E-04	7.39E-04
3958	480363.09	3853877.25	0.03735	1.10E-03	1.12E-03	1.12E-03
3959	480863.09	3853877.25	0.06139	1.81E-03	1.85E-03	1.84E-03
3960	481363.09	3853877.25	0.07956	2.34E-03	2.39E-03	2.39E-03
3961	481863.09	3853877.25	0.10026	2.95E-03	3.01E-03	3.01E-03
3962	482363.09	3853877.25	0.11601	3.42E-03	3.49E-03	3.48E-03
3963	482863.09	3853877.25	0.12178	3.59E-03	3.66E-03	3.66E-03
3964	483363.09	3853877.25	0.11751	3.46E-03	3.53E-03	3.53E-03
3965	483863.09	3853877.25	0.11148	3.28E-03	3.35E-03	3.35E-03

3966	484363.09	3853877.25	0.09409	2.77E-03	2.83E-03	2.83E-03
3967	484863.09	3853877.25	0.07663	2.26E-03	2.30E-03	2.30E-03
3968	485363.09	3853877.25	0.05752	1.69E-03	1.73E-03	1.73E-03
3969	485863.09	3853877.25	0.05843	1.72E-03	1.76E-03	1.75E-03
3970	486363.09	3853877.25	0.05298	1.56E-03	1.59E-03	1.59E-03
3971	486863.09	3853877.25	0.04824	1.42E-03	1.45E-03	1.45E-03
3972	487363.09	3853877.25	0.04746	1.40E-03	1.43E-03	1.43E-03
3973	487863.09	3853877.25	0.04878	1.44E-03	1.47E-03	1.46E-03
3974	488363.09	3853877.25	0.04751	1.40E-03	1.43E-03	1.43E-03
3975	488863.09	3853877.25	0.04708	1.39E-03	1.42E-03	1.41E-03
3976	489363.09	3853877.25	0.04344	1.28E-03	1.31E-03	1.30E-03
3977	489863.09	3853877.25	0.04196	1.24E-03	1.26E-03	1.26E-03
3978	490363.09	3853877.25	0.03972	1.17E-03	1.19E-03	1.19E-03
3979	490863.09	3853877.25	0.03823	1.13E-03	1.15E-03	1.15E-03
3980	491363.09	3853877.25	0.03695	1.09E-03	1.11E-03	1.11E-03
3981	491863.09	3853877.25	0.03574	1.05E-03	1.07E-03	1.07E-03
3982	492363.09	3853877.25	0.0353	1.04E-03	1.06E-03	1.06E-03
3983	492863.09	3853877.25	0.03441	1.01E-03	1.03E-03	1.03E-03
3984	493363.09	3853877.25	0.03299	9.72E-04	9.92E-04	9.91E-04
3985	493863.09	3853877.25	0.03138	9.25E-04	9.44E-04	9.42E-04
3986	494363.09	3853877.25	0.03003	8.85E-04	9.03E-04	9.02E-04
3987	494863.09	3853877.25	0.02837	8.36E-04	8.53E-04	8.52E-04
3988	495363.09	3853877.25	0.02543	7.49E-04	7.65E-04	7.64E-04
3989	495863.09	3853877.25	0.02294	6.76E-04	6.90E-04	6.89E-04
3990	496363.09	3853877.25	0.02123	6.26E-04	6.38E-04	6.38E-04
3991	496863.09	3853877.25	0.01834	5.40E-04	5.51E-04	5.51E-04
3992	497363.09	3853877.25	0.01586	4.67E-04	4.77E-04	4.76E-04
3993	497863.09	3853877.25	0.01254	3.70E-04	3.77E-04	3.77E-04
3994	498363.09	3853877.25	0.01067	3.14E-04	3.21E-04	3.20E-04
3995	471363.09	3854377.25	0.01324	3.90E-04	3.98E-04	3.98E-04
3996	471863.09	3854377.25	0.01463	4.31E-04	4.40E-04	4.39E-04
3997	472363.09	3854377.25	0.01577	4.65E-04	4.74E-04	4.74E-04
3998	472863.09	3854377.25	0.01658	4.89E-04	4.99E-04	4.98E-04
3999	473363.09	3854377.25	0.01766	5.20E-04	5.31E-04	5.30E-04
4000	473863.09	3854377.25	0.01897	5.59E-04	5.70E-04	5.70E-04
4001	474363.09	3854377.25	0.02007	5.91E-04	6.03E-04	6.03E-04
4002	474863.09	3854377.25	0.01885	5.55E-04	5.67E-04	5.66E-04
4003	475363.09	3854377.25	0.01549	4.56E-04	4.66E-04	4.65E-04
4004	475863.09	3854377.25	0.00908	2.68E-04	2.73E-04	2.73E-04
4005	476363.09	3854377.25	0.00738	2.17E-04	2.22E-04	2.22E-04
4006	476863.09	3854377.25	0.00656	1.93E-04	1.97E-04	1.97E-04
4007	477363.09	3854377.25	0.00609	1.79E-04	1.83E-04	1.83E-04
4008	477863.09	3854377.25	0.00595	1.75E-04	1.79E-04	1.79E-04
4009	478363.09	3854377.25	0.00739	2.18E-04	2.22E-04	2.22E-04
4010	478863.09	3854377.25	0.00809	2.38E-04	2.43E-04	2.43E-04
4011	479363.09	3854377.25	0.015	4.42E-04	4.51E-04	4.50E-04
4012	479863.09	3854377.25	0.01996	5.88E-04	6.00E-04	5.99E-04
4013	480363.09	3854377.25	0.02779	8.19E-04	8.36E-04	8.35E-04
4014	480863.09	3854377.25	0.04114	1.21E-03	1.24E-03	1.24E-03
4015	481363.09	3854377.25	0.05449	1.61E-03	1.64E-03	1.64E-03
4016	481863.09	3854377.25	0.06796	2.00E-03	2.04E-03	2.04E-03
4017	482363.09	3854377.25	0.07012	2.07E-03	2.11E-03	2.11E-03
4018	482863.09	3854377.25	0.06985	2.06E-03	2.10E-03	2.10E-03
4019	483363.09	3854377.25	0.06843	2.02E-03	2.06E-03	2.06E-03
4020	483863.09	3854377.25	0.06205	1.83E-03	1.87E-03	1.86E-03
4021	484363.09	3854377.25	0.05256	1.55E-03	1.58E-03	1.58E-03
4022	484863.09	3854377.25	0.04359	1.28E-03	1.31E-03	1.31E-03
4023	485363.09	3854377.25	0.04993	1.47E-03	1.50E-03	1.50E-03
4024	485863.09	3854377.25	0.04449	1.31E-03	1.34E-03	1.34E-03
4025	486363.09	3854377.25	0.04647	1.37E-03	1.40E-03	1.40E-03
4026	486863.09	3854377.25	0.04369	1.29E-03	1.31E-03	1.31E-03
4027	487363.09	3854377.25	0.04311	1.27E-03	1.30E-03	1.29E-03
4028	487863.09	3854377.25	0.04399	1.30E-03	1.32E-03	1.32E-03

4029	488363.09	3854377.25	0.04388	1.29E-03	1.32E-03	1.32E-03
4030	488863.09	3854377.25	0.04304	1.27E-03	1.29E-03	1.29E-03
4031	489363.09	3854377.25	0.04176	1.23E-03	1.26E-03	1.25E-03
4032	489863.09	3854377.25	0.04014	1.18E-03	1.21E-03	1.21E-03
4033	490363.09	3854377.25	0.03832	1.13E-03	1.15E-03	1.15E-03
4034	490863.09	3854377.25	0.03349	9.87E-04	1.01E-03	1.01E-03
4035	491363.09	3854377.25	0.03434	1.01E-03	1.03E-03	1.03E-03
4036	491863.09	3854377.25	0.03444	1.01E-03	1.04E-03	1.03E-03
4037	492363.09	3854377.25	0.03374	9.94E-04	1.01E-03	1.01E-03
4038	492863.09	3854377.25	0.03255	9.59E-04	9.79E-04	9.78E-04
4039	493363.09	3854377.25	0.03111	9.17E-04	9.35E-04	9.34E-04
4040	493863.09	3854377.25	0.02963	8.73E-04	8.91E-04	8.90E-04
4041	494363.09	3854377.25	0.02827	8.33E-04	8.50E-04	8.49E-04
4042	494863.09	3854377.25	0.02469	7.28E-04	7.42E-04	7.42E-04
4043	495363.09	3854377.25	0.02069	6.10E-04	6.22E-04	6.21E-04
4044	495863.09	3854377.25	0.0179	5.27E-04	5.38E-04	5.38E-04
4045	496363.09	3854377.25	0.01657	4.88E-04	4.98E-04	4.98E-04
4046	496863.09	3854377.25	0.01476	4.35E-04	4.44E-04	4.43E-04
4047	497363.09	3854377.25	0.01182	3.48E-04	3.55E-04	3.55E-04
4048	497863.09	3854377.25	0.01236	3.64E-04	3.72E-04	3.71E-04
4049	498363.09	3854377.25	0.01083	3.19E-04	3.26E-04	3.25E-04
4050	471363.09	3854877.25	0.01303	3.84E-04	3.92E-04	3.91E-04
4051	471863.09	3854877.25	0.014	4.13E-04	4.21E-04	4.20E-04
4052	472363.09	3854877.25	0.01491	4.39E-04	4.48E-04	4.48E-04
4053	472863.09	3854877.25	0.0152	4.48E-04	4.57E-04	4.56E-04
4054	473363.09	3854877.25	0.01647	4.85E-04	4.95E-04	4.95E-04
4055	473863.09	3854877.25	0.01764	5.20E-04	5.30E-04	5.30E-04
4056	474363.09	3854877.25	0.01911	5.63E-04	5.75E-04	5.74E-04
4057	474863.09	3854877.25	0.01574	4.64E-04	4.73E-04	4.73E-04
4058	475363.09	3854877.25	0.01133	3.34E-04	3.41E-04	3.40E-04
4059	475863.09	3854877.25	0.00733	2.16E-04	2.20E-04	2.20E-04
4060	476363.09	3854877.25	0.0034	1.00E-04	1.02E-04	1.02E-04
4061	476863.09	3854877.25	0.00311	9.16E-05	9.35E-05	9.34E-05
4062	477363.09	3854877.25	0.00408	1.20E-04	1.23E-04	1.23E-04
4063	477863.09	3854877.25	0.00501	1.48E-04	1.51E-04	1.50E-04
4064	478363.09	3854877.25	0.00768	2.26E-04	2.31E-04	2.31E-04
4065	478863.09	3854877.25	0.01211	3.57E-04	3.64E-04	3.64E-04
4066	479363.09	3854877.25	0.01778	5.24E-04	5.35E-04	5.34E-04
4067	479863.09	3854877.25	0.0242	7.13E-04	7.28E-04	7.27E-04
4068	480363.09	3854877.25	0.02914	8.59E-04	8.76E-04	8.75E-04
4069	480863.09	3854877.25	0.03791	1.12E-03	1.14E-03	1.14E-03
4070	481363.09	3854877.25	0.04304	1.27E-03	1.29E-03	1.29E-03
4071	481863.09	3854877.25	0.04071	1.20E-03	1.22E-03	1.22E-03
4072	482363.09	3854877.25	0.05106	1.50E-03	1.54E-03	1.53E-03
4073	482863.09	3854877.25	0.0506	1.49E-03	1.52E-03	1.52E-03
4074	483363.09	3854877.25	0.0507	1.49E-03	1.52E-03	1.52E-03
4075	483863.09	3854877.25	0.04961	1.46E-03	1.49E-03	1.49E-03
4076	484363.09	3854877.25	0.04548	1.34E-03	1.37E-03	1.37E-03
4077	484863.09	3854877.25	0.0441	1.30E-03	1.33E-03	1.32E-03
4078	485363.09	3854877.25	0.04191	1.23E-03	1.26E-03	1.26E-03
4079	485863.09	3854877.25	0.04083	1.20E-03	1.23E-03	1.23E-03
4080	486363.09	3854877.25	0.03967	1.17E-03	1.19E-03	1.19E-03
4081	486863.09	3854877.25	0.0394	1.16E-03	1.18E-03	1.18E-03
4082	487363.09	3854877.25	0.04075	1.20E-03	1.23E-03	1.22E-03
4083	487863.09	3854877.25	0.04058	1.20E-03	1.22E-03	1.22E-03
4084	488363.09	3854877.25	0.03977	1.17E-03	1.20E-03	1.19E-03
4085	488863.09	3854877.25	0.03932	1.16E-03	1.18E-03	1.18E-03
4086	489363.09	3854877.25	0.03838	1.13E-03	1.15E-03	1.15E-03
4087	489863.09	3854877.25	0.03643	1.07E-03	1.10E-03	1.09E-03
4088	490363.09	3854877.25	0.03093	9.11E-04	9.30E-04	9.29E-04
4089	490863.09	3854877.25	0.02425	7.15E-04	7.29E-04	7.28E-04
4090	491363.09	3854877.25	0.02582	7.61E-04	7.76E-04	7.75E-04
4091	491863.09	3854877.25	0.03211	9.46E-04	9.65E-04	9.64E-04

4092	492363.09	3854877.25	0.03168	9.33E-04	9.53E-04	9.51E-04
4093	492863.09	3854877.25	0.03054	9.00E-04	9.18E-04	9.17E-04
4094	493363.09	3854877.25	0.02909	8.57E-04	8.75E-04	8.74E-04
4095	493863.09	3854877.25	0.02783	8.20E-04	8.37E-04	8.36E-04
4096	494363.09	3854877.25	0.02368	6.98E-04	7.12E-04	7.11E-04
4097	494863.09	3854877.25	0.01872	5.52E-04	5.63E-04	5.62E-04
4098	495363.09	3854877.25	0.01544	4.55E-04	4.64E-04	4.64E-04
4099	495863.09	3854877.25	0.01367	4.03E-04	4.11E-04	4.11E-04
4100	496363.09	3854877.25	0.01124	3.31E-04	3.38E-04	3.38E-04
4101	496863.09	3854877.25	0.00989	2.91E-04	2.97E-04	2.97E-04
4102	497363.09	3854877.25	0.00966	2.85E-04	2.90E-04	2.90E-04
4103	497863.09	3854877.25	0.01086	3.20E-04	3.27E-04	3.26E-04
4104	498363.09	3854877.25	0.01083	3.19E-04	3.26E-04	3.25E-04
4105	471363.09	3855377.25	0.01293	3.81E-04	3.89E-04	3.88E-04
4106	471863.09	3855377.25	0.01348	3.97E-04	4.05E-04	4.05E-04
4107	472363.09	3855377.25	0.01454	4.28E-04	4.37E-04	4.37E-04
4108	472863.09	3855377.25	0.015	4.42E-04	4.51E-04	4.50E-04
4109	473363.09	3855377.25	0.01626	4.79E-04	4.89E-04	4.88E-04
4110	473863.09	3855377.25	0.01726	5.09E-04	5.19E-04	5.18E-04
4111	474363.09	3855377.25	0.01804	5.32E-04	5.42E-04	5.42E-04
4112	474863.09	3855377.25	0.01531	4.51E-04	4.60E-04	4.60E-04
4113	475363.09	3855377.25	0.00592	1.74E-04	1.78E-04	1.78E-04
4114	475863.09	3855377.25	0.00361	1.06E-04	1.09E-04	1.08E-04
4115	476363.09	3855377.25	0.00449	1.32E-04	1.35E-04	1.35E-04
4116	476863.09	3855377.25	0.00405	1.19E-04	1.22E-04	1.22E-04
4117	477363.09	3855377.25	0.00453	1.33E-04	1.36E-04	1.36E-04
4118	477863.09	3855377.25	0.00656	1.93E-04	1.97E-04	1.97E-04
4119	478363.09	3855377.25	0.00913	2.69E-04	2.75E-04	2.74E-04
4120	478863.09	3855377.25	0.01187	3.50E-04	3.57E-04	3.56E-04
4121	479363.09	3855377.25	0.01562	4.60E-04	4.70E-04	4.69E-04
4122	479863.09	3855377.25	0.01912	5.63E-04	5.75E-04	5.74E-04
4123	480363.09	3855377.25	0.02556	7.53E-04	7.69E-04	7.68E-04
4124	480863.09	3855377.25	0.03317	9.77E-04	9.97E-04	9.96E-04
4125	481363.09	3855377.25	0.03869	1.14E-03	1.16E-03	1.16E-03
4126	481863.09	3855377.25	0.04064	1.20E-03	1.22E-03	1.22E-03
4127	482363.09	3855377.25	0.04046	1.19E-03	1.22E-03	1.22E-03
4128	482863.09	3855377.25	0.04022	1.19E-03	1.21E-03	1.21E-03
4129	483363.09	3855377.25	0.04037	1.19E-03	1.21E-03	1.21E-03
4130	483863.09	3855377.25	0.04063	1.20E-03	1.22E-03	1.22E-03
4131	484363.09	3855377.25	0.04052	1.19E-03	1.22E-03	1.22E-03
4132	484863.09	3855377.25	0.03982	1.17E-03	1.20E-03	1.20E-03
4133	485363.09	3855377.25	0.03921	1.16E-03	1.18E-03	1.18E-03
4134	485863.09	3855377.25	0.03713	1.09E-03	1.12E-03	1.12E-03
4135	486363.09	3855377.25	0.03567	1.05E-03	1.07E-03	1.07E-03
4136	486863.09	3855377.25	0.03452	1.02E-03	1.04E-03	1.04E-03
4137	487363.09	3855377.25	0.03585	1.06E-03	1.08E-03	1.08E-03
4138	487863.09	3855377.25	0.03699	1.09E-03	1.11E-03	1.11E-03
4139	488363.09	3855377.25	0.03731	1.10E-03	1.12E-03	1.12E-03
4140	488863.09	3855377.25	0.03667	1.08E-03	1.10E-03	1.10E-03
4141	489363.09	3855377.25	0.03521	1.04E-03	1.06E-03	1.06E-03
4142	489863.09	3855377.25	0.03356	9.89E-04	1.01E-03	1.01E-03
4143	490363.09	3855377.25	0.03297	9.72E-04	9.91E-04	9.90E-04
4144	490863.09	3855377.25	0.0261	7.69E-04	7.85E-04	7.84E-04
4145	491363.09	3855377.25	0.02354	6.94E-04	7.08E-04	7.07E-04
4146	491863.09	3855377.25	0.02949	8.69E-04	8.87E-04	8.86E-04
4147	492363.09	3855377.25	0.02919	8.60E-04	8.78E-04	8.77E-04
4148	492863.09	3855377.25	0.02825	8.32E-04	8.49E-04	8.48E-04
4149	493363.09	3855377.25	0.02645	7.79E-04	7.95E-04	7.94E-04
4150	493863.09	3855377.25	0.02285	6.73E-04	6.87E-04	6.86E-04
4151	494363.09	3855377.25	0.01851	5.45E-04	5.57E-04	5.56E-04
4152	494863.09	3855377.25	0.01421	4.19E-04	4.27E-04	4.27E-04
4153	495363.09	3855377.25	0.01131	3.33E-04	3.40E-04	3.40E-04
4154	495863.09	3855377.25	0.00952	2.81E-04	2.86E-04	2.86E-04

4155	496363.09	3855377.25	0.00939	2.77E-04	2.82E-04	2.82E-04
4156	496863.09	3855377.25	0.00936	2.76E-04	2.81E-04	2.81E-04
4157	497363.09	3855377.25	0.00975	2.87E-04	2.93E-04	2.93E-04
4158	497863.09	3855377.25	0.01052	3.10E-04	3.16E-04	3.16E-04
4159	498363.09	3855377.25	0.01149	3.39E-04	3.45E-04	3.45E-04
4160	471363.09	3855877.25	0.01263	3.72E-04	3.80E-04	3.79E-04
4161	471863.09	3855877.25	0.0132	3.89E-04	3.97E-04	3.96E-04
4162	472363.09	3855877.25	0.01439	4.24E-04	4.33E-04	4.32E-04
4163	472863.09	3855877.25	0.01459	4.30E-04	4.39E-04	4.38E-04
4164	473363.09	3855877.25	0.01598	4.71E-04	4.80E-04	4.80E-04
4165	473863.09	3855877.25	0.01693	4.99E-04	5.09E-04	5.08E-04
4166	474363.09	3855877.25	0.01743	5.14E-04	5.24E-04	5.23E-04
4167	474863.09	3855877.25	0.01395	4.11E-04	4.19E-04	4.19E-04
4168	475363.09	3855877.25	0.008	2.36E-04	2.41E-04	2.40E-04
4169	475863.09	3855877.25	0.00232	6.84E-05	6.98E-05	6.97E-05
4170	476363.09	3855877.25	0.00244	7.19E-05	7.34E-05	7.33E-05
4171	476863.09	3855877.25	0.00437	1.29E-04	1.31E-04	1.31E-04
4172	477363.09	3855877.25	0.00557	1.64E-04	1.67E-04	1.67E-04
4173	477863.09	3855877.25	0.00714	2.10E-04	2.15E-04	2.14E-04
4174	478363.09	3855877.25	0.00948	2.79E-04	2.85E-04	2.85E-04
4175	478863.09	3855877.25	0.01255	3.70E-04	3.77E-04	3.77E-04
4176	479363.09	3855877.25	0.0164	4.83E-04	4.93E-04	4.93E-04
4177	479863.09	3855877.25	0.0196	5.78E-04	5.89E-04	5.89E-04
4178	480363.09	3855877.25	0.02378	7.01E-04	7.15E-04	7.14E-04
4179	480863.09	3855877.25	0.02821	8.31E-04	8.48E-04	8.47E-04
4180	481363.09	3855877.25	0.02806	8.27E-04	8.44E-04	8.43E-04
4181	481863.09	3855877.25	0.03325	9.80E-04	1.00E-03	9.99E-04
4182	482363.09	3855877.25	0.03333	9.82E-04	1.00E-03	1.00E-03
4183	482863.09	3855877.25	0.03356	9.89E-04	1.01E-03	1.01E-03
4184	483363.09	3855877.25	0.03418	1.01E-03	1.03E-03	1.03E-03
4185	483863.09	3855877.25	0.03412	1.01E-03	1.03E-03	1.02E-03
4186	484363.09	3855877.25	0.03504	1.03E-03	1.05E-03	1.05E-03
4187	484863.09	3855877.25	0.03504	1.03E-03	1.05E-03	1.05E-03
4188	485363.09	3855877.25	0.03449	1.02E-03	1.04E-03	1.04E-03
4189	485863.09	3855877.25	0.03452	1.02E-03	1.04E-03	1.04E-03
4190	486363.09	3855877.25	0.03228	9.51E-04	9.71E-04	9.69E-04
4191	486863.09	3855877.25	0.03129	9.22E-04	9.41E-04	9.40E-04
4192	487363.09	3855877.25	0.03206	9.45E-04	9.64E-04	9.63E-04
4193	487863.09	3855877.25	0.03259	9.60E-04	9.80E-04	9.79E-04
4194	488363.09	3855877.25	0.03334	9.82E-04	1.00E-03	1.00E-03
4195	488863.09	3855877.25	0.03379	9.96E-04	1.02E-03	1.01E-03
4196	489363.09	3855877.25	0.03319	9.78E-04	9.98E-04	9.97E-04
4197	489863.09	3855877.25	0.03214	9.47E-04	9.66E-04	9.65E-04
4198	490363.09	3855877.25	0.03117	9.18E-04	9.37E-04	9.36E-04
4199	490863.09	3855877.25	0.02952	8.70E-04	8.88E-04	8.87E-04
4200	491363.09	3855877.25	0.02699	7.95E-04	8.12E-04	8.11E-04
4201	491863.09	3855877.25	0.02814	8.29E-04	8.46E-04	8.45E-04
4202	492363.09	3855877.25	0.02703	7.96E-04	8.13E-04	8.12E-04
4203	492863.09	3855877.25	0.0261	7.69E-04	7.85E-04	7.84E-04
4204	493363.09	3855877.25	0.02274	6.70E-04	6.84E-04	6.83E-04
4205	493863.09	3855877.25	0.01828	5.39E-04	5.50E-04	5.49E-04
4206	494363.09	3855877.25	0.01392	4.10E-04	4.19E-04	4.18E-04
4207	494863.09	3855877.25	0.01101	3.24E-04	3.31E-04	3.31E-04
4208	495363.09	3855877.25	0.00827	2.44E-04	2.49E-04	2.48E-04
4209	495863.09	3855877.25	0.00837	2.47E-04	2.52E-04	2.51E-04
4210	496363.09	3855877.25	0.0086	2.53E-04	2.59E-04	2.58E-04
4211	496863.09	3855877.25	0.00925	2.73E-04	2.78E-04	2.78E-04
4212	497363.09	3855877.25	0.01	2.95E-04	3.01E-04	3.00E-04
4213	497863.09	3855877.25	0.01097	3.23E-04	3.30E-04	3.29E-04
4214	498363.09	3855877.25	0.01281	3.77E-04	3.85E-04	3.85E-04
4215	471363.09	3856377.25	0.01216	3.58E-04	3.66E-04	3.65E-04
4216	471863.09	3856377.25	0.01263	3.72E-04	3.80E-04	3.79E-04
4217	472363.09	3856377.25	0.01345	3.96E-04	4.04E-04	4.04E-04

4218	472863.09	3856377.25	0.01436	4.23E-04	4.32E-04	4.31E-04
4219	473363.09	3856377.25	0.01512	4.46E-04	4.55E-04	4.54E-04
4220	473863.09	3856377.25	0.01641	4.84E-04	4.93E-04	4.93E-04
4221	474363.09	3856377.25	0.01607	4.74E-04	4.83E-04	4.83E-04
4222	474863.09	3856377.25	0.01501	4.42E-04	4.51E-04	4.51E-04
4223	475363.09	3856377.25	0.01194	3.52E-04	3.59E-04	3.59E-04
4224	475863.09	3856377.25	0.00752	2.22E-04	2.26E-04	2.26E-04
4225	476363.09	3856377.25	0.00673	1.98E-04	2.02E-04	2.02E-04
4226	476863.09	3856377.25	0.00668	1.97E-04	2.01E-04	2.01E-04
4227	477363.09	3856377.25	0.00697	2.05E-04	2.10E-04	2.09E-04
4228	477863.09	3856377.25	0.00488	1.44E-04	1.47E-04	1.47E-04
4229	478363.09	3856377.25	0.0039	1.15E-04	1.17E-04	1.17E-04
4230	478863.09	3856377.25	0.00933	2.75E-04	2.81E-04	2.80E-04
4231	479363.09	3856377.25	0.01207	3.56E-04	3.63E-04	3.62E-04
4232	479863.09	3856377.25	0.01799	5.30E-04	5.41E-04	5.40E-04
4233	480363.09	3856377.25	0.02307	6.80E-04	6.94E-04	6.93E-04
4234	480863.09	3856377.25	0.02599	7.66E-04	7.81E-04	7.81E-04
4235	481363.09	3856377.25	0.02789	8.22E-04	8.39E-04	8.38E-04
4236	481863.09	3856377.25	0.02901	8.55E-04	8.72E-04	8.71E-04
4237	482363.09	3856377.25	0.02878	8.48E-04	8.65E-04	8.64E-04
4238	482863.09	3856377.25	0.02886	8.50E-04	8.68E-04	8.67E-04
4239	483363.09	3856377.25	0.02946	8.68E-04	8.86E-04	8.85E-04
4240	483863.09	3856377.25	0.02995	8.83E-04	9.01E-04	8.99E-04
4241	484363.09	3856377.25	0.03068	9.04E-04	9.22E-04	9.21E-04
4242	484863.09	3856377.25	0.03156	9.30E-04	9.49E-04	9.48E-04
4243	485363.09	3856377.25	0.03175	9.36E-04	9.55E-04	9.54E-04
4244	485863.09	3856377.25	0.03126	9.21E-04	9.40E-04	9.39E-04
4245	486363.09	3856377.25	0.03069	9.04E-04	9.23E-04	9.22E-04
4246	486863.09	3856377.25	0.03017	8.89E-04	9.07E-04	9.06E-04
4247	487363.09	3856377.25	0.03014	8.88E-04	9.06E-04	9.05E-04
4248	487863.09	3856377.25	0.03046	8.98E-04	9.16E-04	9.15E-04
4249	488363.09	3856377.25	0.03034	8.94E-04	9.12E-04	9.11E-04
4250	488863.09	3856377.25	0.03109	9.16E-04	9.35E-04	9.34E-04
4251	489363.09	3856377.25	0.03122	9.20E-04	9.39E-04	9.38E-04
4252	489863.09	3856377.25	0.03086	9.09E-04	9.28E-04	9.27E-04
4253	490363.09	3856377.25	0.03008	8.86E-04	9.04E-04	9.03E-04
4254	490863.09	3856377.25	0.02895	8.53E-04	8.70E-04	8.69E-04
4255	491363.09	3856377.25	0.02797	8.24E-04	8.41E-04	8.40E-04
4256	491863.09	3856377.25	0.0269	7.93E-04	8.09E-04	8.08E-04
4257	492363.09	3856377.25	0.02554	7.53E-04	7.68E-04	7.67E-04
4258	492863.09	3856377.25	0.02328	6.86E-04	7.00E-04	6.99E-04
4259	493363.09	3856377.25	0.01787	5.27E-04	5.37E-04	5.37E-04
4260	493863.09	3856377.25	0.01506	4.44E-04	4.53E-04	4.52E-04
4261	494363.09	3856377.25	0.01163	3.43E-04	3.50E-04	3.49E-04
4262	494863.09	3856377.25	0.00932	2.75E-04	2.80E-04	2.80E-04
4263	495363.09	3856377.25	0.00814	2.40E-04	2.45E-04	2.44E-04
4264	495863.09	3856377.25	0.00827	2.44E-04	2.49E-04	2.48E-04
4265	496363.09	3856377.25	0.00878	2.59E-04	2.64E-04	2.64E-04
4266	496863.09	3856377.25	0.00988	2.91E-04	2.97E-04	2.97E-04
4267	497363.09	3856377.25	0.01095	3.23E-04	3.29E-04	3.29E-04
4268	497863.09	3856377.25	0.01244	3.67E-04	3.74E-04	3.74E-04
4269	498363.09	3856377.25	0.0143	4.21E-04	4.30E-04	4.29E-04
4270	471363.09	3856877.25	0.01187	3.50E-04	3.57E-04	3.56E-04
4271	471863.09	3856877.25	0.0122	3.59E-04	3.67E-04	3.66E-04
4272	472363.09	3856877.25	0.01286	3.79E-04	3.87E-04	3.86E-04
4273	472863.09	3856877.25	0.01346	3.97E-04	4.05E-04	4.04E-04
4274	473363.09	3856877.25	0.01459	4.30E-04	4.39E-04	4.38E-04
4275	473863.09	3856877.25	0.01523	4.49E-04	4.58E-04	4.57E-04
4276	474363.09	3856877.25	0.01486	4.38E-04	4.47E-04	4.46E-04
4277	474863.09	3856877.25	0.01391	4.10E-04	4.18E-04	4.18E-04
4278	475363.09	3856877.25	0.01186	3.49E-04	3.57E-04	3.56E-04
4279	475863.09	3856877.25	0.01158	3.41E-04	3.48E-04	3.48E-04
4280	476363.09	3856877.25	0.00982	2.89E-04	2.95E-04	2.95E-04

4281	476863.09	3856877.25	0.00918	2.71E-04	2.76E-04	2.76E-04
4282	477363.09	3856877.25	0.00764	2.25E-04	2.30E-04	2.29E-04
4283	477863.09	3856877.25	0.00439	1.29E-04	1.32E-04	1.32E-04
4284	478363.09	3856877.25	0.00349	1.03E-04	1.05E-04	1.05E-04
4285	478863.09	3856877.25	0.00466	1.37E-04	1.40E-04	1.40E-04
4286	479363.09	3856877.25	0.00665	1.96E-04	2.00E-04	2.00E-04
4287	479863.09	3856877.25	0.01568	4.62E-04	4.71E-04	4.71E-04
4288	480363.09	3856877.25	0.02058	6.06E-04	6.19E-04	6.18E-04
4289	480863.09	3856877.25	0.02391	7.05E-04	7.19E-04	7.18E-04
4290	481363.09	3856877.25	0.02545	7.50E-04	7.65E-04	7.64E-04
4291	481863.09	3856877.25	0.02631	7.75E-04	7.91E-04	7.90E-04
4292	482363.09	3856877.25	0.02624	7.73E-04	7.89E-04	7.88E-04
4293	482863.09	3856877.25	0.02614	7.70E-04	7.86E-04	7.85E-04
4294	483363.09	3856877.25	0.0265	7.81E-04	7.97E-04	7.96E-04
4295	483863.09	3856877.25	0.02684	7.91E-04	8.07E-04	8.06E-04
4296	484363.09	3856877.25	0.02733	8.05E-04	8.22E-04	8.21E-04
4297	484863.09	3856877.25	0.02856	8.42E-04	8.59E-04	8.58E-04
4298	485363.09	3856877.25	0.02997	8.83E-04	9.01E-04	9.00E-04
4299	485863.09	3856877.25	0.03055	9.00E-04	9.19E-04	9.17E-04
4300	486363.09	3856877.25	0.0286	8.43E-04	8.60E-04	8.59E-04
4301	486863.09	3856877.25	0.0299	8.81E-04	8.99E-04	8.98E-04
4302	487363.09	3856877.25	0.03071	9.05E-04	9.23E-04	9.22E-04
4303	487863.09	3856877.25	0.03116	9.18E-04	9.37E-04	9.36E-04
4304	488363.09	3856877.25	0.03089	9.10E-04	9.29E-04	9.28E-04
4305	488863.09	3856877.25	0.03043	8.97E-04	9.15E-04	9.14E-04
4306	489363.09	3856877.25	0.03039	8.95E-04	9.14E-04	9.13E-04
4307	489863.09	3856877.25	0.03016	8.89E-04	9.07E-04	9.06E-04
4308	490363.09	3856877.25	0.0295	8.69E-04	8.87E-04	8.86E-04
4309	490863.09	3856877.25	0.02906	8.56E-04	8.74E-04	8.73E-04
4310	491363.09	3856877.25	0.02817	8.30E-04	8.47E-04	8.46E-04
4311	491863.09	3856877.25	0.02723	8.02E-04	8.19E-04	8.18E-04
4312	492363.09	3856877.25	0.02413	7.11E-04	7.26E-04	7.25E-04
4313	492863.09	3856877.25	0.02143	6.31E-04	6.44E-04	6.44E-04
4314	493363.09	3856877.25	0.01794	5.29E-04	5.39E-04	5.39E-04
4315	493863.09	3856877.25	0.01379	4.06E-04	4.15E-04	4.14E-04
4316	494363.09	3856877.25	0.01077	3.17E-04	3.24E-04	3.23E-04
4317	494863.09	3856877.25	0.00981	2.89E-04	2.95E-04	2.95E-04
4318	495363.09	3856877.25	0.0095	2.80E-04	2.86E-04	2.85E-04
4319	495863.09	3856877.25	0.00987	2.91E-04	2.97E-04	2.96E-04
4320	496363.09	3856877.25	0.01035	3.05E-04	3.11E-04	3.11E-04
4321	496863.09	3856877.25	0.01116	3.29E-04	3.36E-04	3.35E-04
4322	497363.09	3856877.25	0.01235	3.64E-04	3.71E-04	3.71E-04
4323	497863.09	3856877.25	0.01446	4.26E-04	4.35E-04	4.34E-04
4324	498363.09	3856877.25	0.01694	4.99E-04	5.09E-04	5.09E-04
4325	471363.09	3857377.25	0.0116	3.42E-04	3.49E-04	3.48E-04
4326	471863.09	3857377.25	0.01186	3.49E-04	3.57E-04	3.56E-04
4327	472363.09	3857377.25	0.01232	3.63E-04	3.70E-04	3.70E-04
4328	472863.09	3857377.25	0.01288	3.80E-04	3.87E-04	3.87E-04
4329	473363.09	3857377.25	0.01363	4.02E-04	4.10E-04	4.09E-04
4330	473863.09	3857377.25	0.01455	4.29E-04	4.37E-04	4.37E-04
4331	474363.09	3857377.25	0.01386	4.08E-04	4.17E-04	4.16E-04
4332	474863.09	3857377.25	0.01102	3.25E-04	3.31E-04	3.31E-04
4333	475363.09	3857377.25	0.00736	2.17E-04	2.21E-04	2.21E-04
4334	475863.09	3857377.25	0.00653	1.92E-04	1.96E-04	1.96E-04
4335	476363.09	3857377.25	0.00865	2.55E-04	2.60E-04	2.60E-04
4336	476863.09	3857377.25	0.00902	2.66E-04	2.71E-04	2.71E-04
4337	477363.09	3857377.25	0.00758	2.23E-04	2.28E-04	2.28E-04
4338	477863.09	3857377.25	0.00512	1.51E-04	1.54E-04	1.54E-04
4339	478363.09	3857377.25	0.00338	9.96E-05	1.02E-04	1.02E-04
4340	478863.09	3857377.25	0.00263	7.75E-05	7.91E-05	7.90E-05
4341	479363.09	3857377.25	0.00479	1.41E-04	1.44E-04	1.44E-04
4342	479863.09	3857377.25	0.01302	3.84E-04	3.91E-04	3.91E-04
4343	480363.09	3857377.25	0.01067	3.14E-04	3.21E-04	3.20E-04

4344	480863.09	3857377.25	0.02186	6.44E-04	6.57E-04	6.57E-04
4345	481363.09	3857377.25	0.02185	6.44E-04	6.57E-04	6.56E-04
4346	481863.09	3857377.25	0.02316	6.82E-04	6.96E-04	6.96E-04
4347	482363.09	3857377.25	0.02426	7.15E-04	7.29E-04	7.29E-04
4348	482863.09	3857377.25	0.02453	7.23E-04	7.38E-04	7.37E-04
4349	483363.09	3857377.25	0.02505	7.38E-04	7.53E-04	7.52E-04
4350	483863.09	3857377.25	0.02562	7.55E-04	7.70E-04	7.69E-04
4351	484363.09	3857377.25	0.02583	7.61E-04	7.77E-04	7.76E-04
4352	484863.09	3857377.25	0.02645	7.79E-04	7.95E-04	7.94E-04
4353	485363.09	3857377.25	0.02757	8.12E-04	8.29E-04	8.28E-04
4354	485863.09	3857377.25	0.02928	8.63E-04	8.80E-04	8.79E-04
4355	486363.09	3857377.25	0.03117	9.18E-04	9.37E-04	9.36E-04
4356	486863.09	3857377.25	0.03007	8.86E-04	9.04E-04	9.03E-04
4357	487363.09	3857377.25	0.03209	9.46E-04	9.65E-04	9.64E-04
4358	487863.09	3857377.25	0.03426	1.01E-03	1.03E-03	1.03E-03
4359	488363.09	3857377.25	0.03482	1.03E-03	1.05E-03	1.05E-03
4360	488863.09	3857377.25	0.03473	1.02E-03	1.04E-03	1.04E-03
4361	489363.09	3857377.25	0.03302	9.73E-04	9.93E-04	9.92E-04
4362	489863.09	3857377.25	0.03158	9.31E-04	9.50E-04	9.48E-04
4363	490363.09	3857377.25	0.03082	9.08E-04	9.27E-04	9.26E-04
4364	490863.09	3857377.25	0.03065	9.03E-04	9.22E-04	9.20E-04
4365	491363.09	3857377.25	0.0309	9.11E-04	9.29E-04	9.28E-04
4366	491863.09	3857377.25	0.02982	8.79E-04	8.97E-04	8.96E-04
4367	492363.09	3857377.25	0.0254	7.48E-04	7.64E-04	7.63E-04
4368	492863.09	3857377.25	0.02117	6.24E-04	6.37E-04	6.36E-04
4369	493363.09	3857377.25	0.01649	4.86E-04	4.96E-04	4.95E-04
4370	493863.09	3857377.25	0.01491	4.39E-04	4.48E-04	4.48E-04
4371	494363.09	3857377.25	0.01333	3.93E-04	4.01E-04	4.00E-04
4372	494863.09	3857377.25	0.01293	3.81E-04	3.89E-04	3.88E-04
4373	495363.09	3857377.25	0.01265	3.73E-04	3.80E-04	3.80E-04
4374	495863.09	3857377.25	0.01302	3.84E-04	3.91E-04	3.91E-04
4375	496363.09	3857377.25	0.0135	3.98E-04	4.06E-04	4.05E-04
4376	496863.09	3857377.25	0.01408	4.15E-04	4.23E-04	4.23E-04
4377	497363.09	3857377.25	0.0152	4.48E-04	4.57E-04	4.56E-04
4378	497863.09	3857377.25	0.0169	4.98E-04	5.08E-04	5.08E-04
4379	498363.09	3857377.25	0.02069	6.10E-04	6.22E-04	6.21E-04
4380	471363.09	3857877.25	0.01112	3.28E-04	3.34E-04	3.34E-04
4381	471863.09	3857877.25	0.01143	3.37E-04	3.44E-04	3.43E-04
4382	472363.09	3857877.25	0.01185	3.49E-04	3.56E-04	3.56E-04
4383	472863.09	3857877.25	0.01253	3.69E-04	3.77E-04	3.76E-04
4384	473363.09	3857877.25	0.01297	3.82E-04	3.90E-04	3.90E-04
4385	473863.09	3857877.25	0.0136	4.01E-04	4.09E-04	4.08E-04
4386	474363.09	3857877.25	0.0127	3.74E-04	3.82E-04	3.81E-04
4387	474863.09	3857877.25	0.00982	2.89E-04	2.95E-04	2.95E-04
4388	475363.09	3857877.25	0.00516	1.52E-04	1.55E-04	1.55E-04
4389	475863.09	3857877.25	0.0018	5.30E-05	5.41E-05	5.41E-05
4390	476363.09	3857877.25	0.00569	1.68E-04	1.71E-04	1.71E-04
4391	476863.09	3857877.25	0.00708	2.09E-04	2.13E-04	2.13E-04
4392	477363.09	3857877.25	0.00676	1.99E-04	2.03E-04	2.03E-04
4393	477863.09	3857877.25	0.00623	1.84E-04	1.87E-04	1.87E-04
4394	478363.09	3857877.25	0.0028	8.25E-05	8.42E-05	8.41E-05
4395	478863.09	3857877.25	0.00211	6.22E-05	6.34E-05	6.34E-05
4396	479363.09	3857877.25	0.012	3.54E-04	3.61E-04	3.60E-04
4397	479863.09	3857877.25	0.0179	5.27E-04	5.38E-04	5.38E-04
4398	480363.09	3857877.25	0.01964	5.79E-04	5.91E-04	5.90E-04
4399	480863.09	3857877.25	0.02001	5.90E-04	6.02E-04	6.01E-04
4400	481363.09	3857877.25	0.02065	6.08E-04	6.21E-04	6.20E-04
4401	481863.09	3857877.25	0.02132	6.28E-04	6.41E-04	6.40E-04
4402	482363.09	3857877.25	0.02252	6.64E-04	6.77E-04	6.76E-04
4403	482863.09	3857877.25	0.02306	6.79E-04	6.93E-04	6.93E-04
4404	483363.09	3857877.25	0.02381	7.02E-04	7.16E-04	7.15E-04
4405	483863.09	3857877.25	0.02478	7.30E-04	7.45E-04	7.44E-04
4406	484363.09	3857877.25	0.02557	7.53E-04	7.69E-04	7.68E-04

4407	484863.09	3857877.25	0.02658	7.83E-04	7.99E-04	7.98E-04
4408	485363.09	3857877.25	0.02784	8.20E-04	8.37E-04	8.36E-04
4409	485863.09	3857877.25	0.029	8.55E-04	8.72E-04	8.71E-04
4410	486363.09	3857877.25	0.03068	9.04E-04	9.22E-04	9.21E-04
4411	486863.09	3857877.25	0.03414	1.01E-03	1.03E-03	1.03E-03
4412	487363.09	3857877.25	0.0381	1.12E-03	1.15E-03	1.14E-03
4413	487863.09	3857877.25	0.04056	1.20E-03	1.22E-03	1.22E-03
4414	488363.09	3857877.25	0.04471	1.32E-03	1.34E-03	1.34E-03
4415	488863.09	3857877.25	0.04631	1.36E-03	1.39E-03	1.39E-03
4416	489363.09	3857877.25	0.04238	1.25E-03	1.27E-03	1.27E-03
4417	489863.09	3857877.25	0.03916	1.15E-03	1.18E-03	1.18E-03
4418	490363.09	3857877.25	0.03865	1.14E-03	1.16E-03	1.16E-03
4419	490863.09	3857877.25	0.03993	1.18E-03	1.20E-03	1.20E-03
4420	491363.09	3857877.25	0.03794	1.12E-03	1.14E-03	1.14E-03
4421	491863.09	3857877.25	0.03457	1.02E-03	1.04E-03	1.04E-03
4422	492363.09	3857877.25	0.0284	8.37E-04	8.54E-04	8.53E-04
4423	492863.09	3857877.25	0.02331	6.87E-04	7.01E-04	7.00E-04
4424	493363.09	3857877.25	0.02149	6.33E-04	6.46E-04	6.45E-04
4425	493863.09	3857877.25	0.02078	6.12E-04	6.25E-04	6.24E-04
4426	494363.09	3857877.25	0.02015	5.94E-04	6.06E-04	6.05E-04
4427	494863.09	3857877.25	0.0184	5.42E-04	5.53E-04	5.53E-04
4428	495363.09	3857877.25	0.01816	5.35E-04	5.46E-04	5.45E-04
4429	495863.09	3857877.25	0.01787	5.27E-04	5.37E-04	5.37E-04
4430	496363.09	3857877.25	0.01836	5.41E-04	5.52E-04	5.51E-04
4431	496863.09	3857877.25	0.01891	5.57E-04	5.69E-04	5.68E-04
4432	497363.09	3857877.25	0.01903	5.61E-04	5.72E-04	5.72E-04
4433	497863.09	3857877.25	0.02156	6.35E-04	6.48E-04	6.48E-04
4434	498363.09	3857877.25	0.02397	7.06E-04	7.21E-04	7.20E-04
4435	471363.09	3858377.25	0.01087	3.20E-04	3.27E-04	3.26E-04
4436	471863.09	3858377.25	0.01116	3.29E-04	3.36E-04	3.35E-04
4437	472363.09	3858377.25	0.01141	3.36E-04	3.43E-04	3.43E-04
4438	472863.09	3858377.25	0.01185	3.49E-04	3.56E-04	3.56E-04
4439	473363.09	3858377.25	0.01261	3.72E-04	3.79E-04	3.79E-04
4440	473863.09	3858377.25	0.01262	3.72E-04	3.79E-04	3.79E-04
4441	474363.09	3858377.25	0.01158	3.41E-04	3.48E-04	3.48E-04
4442	474863.09	3858377.25	0.00965	2.84E-04	2.90E-04	2.90E-04
4443	475363.09	3858377.25	0.00644	1.90E-04	1.94E-04	1.93E-04
4444	475863.09	3858377.25	0.00427	1.26E-04	1.28E-04	1.28E-04
4445	476363.09	3858377.25	0.00462	1.36E-04	1.39E-04	1.39E-04
4446	476863.09	3858377.25	0.00502	1.48E-04	1.51E-04	1.51E-04
4447	477363.09	3858377.25	0.0046	1.36E-04	1.38E-04	1.38E-04
4448	477863.09	3858377.25	0.00628	1.85E-04	1.89E-04	1.89E-04
4449	478363.09	3858377.25	0.00661	1.95E-04	1.99E-04	1.99E-04
4450	478863.09	3858377.25	0.00407	1.20E-04	1.22E-04	1.22E-04
4451	479363.09	3858377.25	0.01186	3.49E-04	3.57E-04	3.56E-04
4452	479863.09	3858377.25	0.01698	5.00E-04	5.11E-04	5.10E-04
4453	480363.09	3858377.25	0.01817	5.35E-04	5.46E-04	5.46E-04
4454	480863.09	3858377.25	0.01845	5.44E-04	5.55E-04	5.54E-04
4455	481363.09	3858377.25	0.01912	5.63E-04	5.75E-04	5.74E-04
4456	481863.09	3858377.25	0.01932	5.69E-04	5.81E-04	5.80E-04
4457	482363.09	3858377.25	0.02011	5.93E-04	6.05E-04	6.04E-04
4458	482863.09	3858377.25	0.02151	6.34E-04	6.47E-04	6.46E-04
4459	483363.09	3858377.25	0.0225	6.63E-04	6.77E-04	6.76E-04
4460	483863.09	3858377.25	0.02356	6.94E-04	7.08E-04	7.08E-04
4461	484363.09	3858377.25	0.02485	7.32E-04	7.47E-04	7.46E-04
4462	484863.09	3858377.25	0.02638	7.77E-04	7.93E-04	7.92E-04
4463	485363.09	3858377.25	0.02844	8.38E-04	8.55E-04	8.54E-04
4464	485863.09	3858377.25	0.03104	9.15E-04	9.33E-04	9.32E-04
4465	486363.09	3858377.25	0.03402	1.00E-03	1.02E-03	1.02E-03
4466	486863.09	3858377.25	0.03741	1.10E-03	1.12E-03	1.12E-03
4467	487363.09	3858377.25	0.04198	1.24E-03	1.26E-03	1.26E-03
4468	487863.09	3858377.25	0.0524	1.54E-03	1.58E-03	1.57E-03
4469	488363.09	3858377.25	0.06748	1.99E-03	2.03E-03	2.03E-03

4470	488863.09	3858377.25	0.07609	2.24E-03	2.29E-03	2.29E-03
4471	489363.09	3858377.25	0.07291	2.15E-03	2.19E-03	2.19E-03
4472	489863.09	3858377.25	0.07251	2.14E-03	2.18E-03	2.18E-03
4473	490363.09	3858377.25	0.07496	2.21E-03	2.25E-03	2.25E-03
4474	490863.09	3858377.25	0.07522	2.22E-03	2.26E-03	2.26E-03
4475	491363.09	3858377.25	0.06472	1.91E-03	1.95E-03	1.94E-03
4476	491863.09	3858377.25	0.04745	1.40E-03	1.43E-03	1.43E-03
4477	492363.09	3858377.25	0.03552	1.05E-03	1.07E-03	1.07E-03
4478	492863.09	3858377.25	0.03884	1.14E-03	1.17E-03	1.17E-03
4479	493363.09	3858377.25	0.03601	1.06E-03	1.08E-03	1.08E-03
4480	493863.09	3858377.25	0.03441	1.01E-03	1.03E-03	1.03E-03
4481	494363.09	3858377.25	0.03194	9.41E-04	9.60E-04	9.59E-04
4482	494863.09	3858377.25	0.02963	8.73E-04	8.91E-04	8.90E-04
4483	495363.09	3858377.25	0.0266	7.84E-04	8.00E-04	7.99E-04
4484	495863.09	3858377.25	0.02577	7.59E-04	7.75E-04	7.74E-04
4485	496363.09	3858377.25	0.02481	7.31E-04	7.46E-04	7.45E-04
4486	496863.09	3858377.25	0.02547	7.51E-04	7.66E-04	7.65E-04
4487	497363.09	3858377.25	0.02524	7.44E-04	7.59E-04	7.58E-04
4488	497863.09	3858377.25	0.02735	8.06E-04	8.22E-04	8.21E-04
4489	498363.09	3858377.25	0.03019	8.90E-04	9.08E-04	9.07E-04
4490	471363.09	3858877.25	0.01048	3.09E-04	3.15E-04	3.15E-04
4491	471863.09	3858877.25	0.01066	3.14E-04	3.21E-04	3.20E-04
4492	472363.09	3858877.25	0.01108	3.26E-04	3.33E-04	3.33E-04
4493	472863.09	3858877.25	0.01144	3.37E-04	3.44E-04	3.44E-04
4494	473363.09	3858877.25	0.01202	3.54E-04	3.61E-04	3.61E-04
4495	473863.09	3858877.25	0.01215	3.58E-04	3.65E-04	3.65E-04
4496	474363.09	3858877.25	0.0115	3.39E-04	3.46E-04	3.45E-04
4497	474863.09	3858877.25	0.00634	1.87E-04	1.91E-04	1.90E-04
4498	475363.09	3858877.25	0.00438	1.29E-04	1.32E-04	1.32E-04
4499	475863.09	3858877.25	0.00498	1.47E-04	1.50E-04	1.50E-04
4500	476363.09	3858877.25	0.0027	7.96E-05	8.12E-05	8.11E-05
4501	476863.09	3858877.25	0.00356	1.05E-04	1.07E-04	1.07E-04
4502	477363.09	3858877.25	0.00365	1.08E-04	1.10E-04	1.10E-04
4503	477863.09	3858877.25	0.00467	1.38E-04	1.40E-04	1.40E-04
4504	478363.09	3858877.25	0.00926	2.73E-04	2.78E-04	2.78E-04
4505	478863.09	3858877.25	0.0078	2.30E-04	2.35E-04	2.34E-04
4506	479363.09	3858877.25	0.00619	1.82E-04	1.86E-04	1.86E-04
4507	479863.09	3858877.25	0.01628	4.80E-04	4.90E-04	4.89E-04
4508	480363.09	3858877.25	0.01696	5.00E-04	5.10E-04	5.09E-04
4509	480863.09	3858877.25	0.01751	5.16E-04	5.26E-04	5.26E-04
4510	481363.09	3858877.25	0.01796	5.29E-04	5.40E-04	5.39E-04
4511	481863.09	3858877.25	0.01826	5.38E-04	5.49E-04	5.48E-04
4512	482363.09	3858877.25	0.01867	5.50E-04	5.61E-04	5.61E-04
4513	482863.09	3858877.25	0.0194	5.72E-04	5.83E-04	5.83E-04
4514	483363.09	3858877.25	0.02097	6.18E-04	6.31E-04	6.30E-04
4515	483863.09	3858877.25	0.02208	6.51E-04	6.64E-04	6.63E-04
4516	484363.09	3858877.25	0.02347	6.92E-04	7.06E-04	7.05E-04
4517	484863.09	3858877.25	0.02515	7.41E-04	7.56E-04	7.55E-04
4518	485363.09	3858877.25	0.02748	8.10E-04	8.26E-04	8.25E-04
4519	485863.09	3858877.25	0.03082	9.08E-04	9.27E-04	9.26E-04
4520	486363.09	3858877.25	0.03507	1.03E-03	1.05E-03	1.05E-03
4521	486863.09	3858877.25	0.04125	1.22E-03	1.24E-03	1.24E-03
4522	487363.09	3858877.25	0.05165	1.52E-03	1.55E-03	1.55E-03
4523	487863.09	3858877.25	0.06922	2.04E-03	2.08E-03	2.08E-03
4524	488363.09	3858877.25	0.11598	3.42E-03	3.49E-03	3.48E-03
4525	488863.09	3858877.25	0.5422	1.60E-02	1.63E-02	1.63E-02
4526	489363.09	3858877.25	0.51315	1.51E-02	1.54E-02	1.54E-02
4527	489863.09	3858877.25	0.3302	9.73E-03	9.93E-03	9.92E-03
4528	490363.09	3858877.25	0.23195	6.83E-03	6.97E-03	6.97E-03
4529	490863.09	3858877.25	0.15256	4.50E-03	4.59E-03	4.58E-03
4530	491363.09	3858877.25	0.09749	2.87E-03	2.93E-03	2.93E-03
4531	491863.09	3858877.25	0.06825	2.01E-03	2.05E-03	2.05E-03
4532	492363.09	3858877.25	0.07305	2.15E-03	2.20E-03	2.19E-03

4533	492863.09	3858877.25	0.08134	2.40E-03	2.45E-03	2.44E-03
4534	493363.09	3858877.25	0.07029	2.07E-03	2.11E-03	2.11E-03
4535	493863.09	3858877.25	0.057	1.68E-03	1.71E-03	1.71E-03
4536	494363.09	3858877.25	0.05167	1.52E-03	1.55E-03	1.55E-03
4537	494863.09	3858877.25	0.04617	1.36E-03	1.39E-03	1.39E-03
4538	495363.09	3858877.25	0.04091	1.21E-03	1.23E-03	1.23E-03
4539	495863.09	3858877.25	0.03767	1.11E-03	1.13E-03	1.13E-03
4540	496363.09	3858877.25	0.03569	1.05E-03	1.07E-03	1.07E-03
4541	496863.09	3858877.25	0.03387	9.98E-04	1.02E-03	1.02E-03
4542	497363.09	3858877.25	0.0322	9.49E-04	9.68E-04	9.67E-04
4543	497863.09	3858877.25	0.03442	1.01E-03	1.03E-03	1.03E-03
4544	498363.09	3858877.25	0.0369	1.09E-03	1.11E-03	1.11E-03
4545	471363.09	3859377.25	0.00993	2.93E-04	2.99E-04	2.98E-04
4546	471863.09	3859377.25	0.01019	3.00E-04	3.06E-04	3.06E-04
4547	472363.09	3859377.25	0.0106	3.12E-04	3.19E-04	3.18E-04
4548	472863.09	3859377.25	0.01097	3.23E-04	3.30E-04	3.29E-04
4549	473363.09	3859377.25	0.0114	3.36E-04	3.43E-04	3.42E-04
4550	473863.09	3859377.25	0.01167	3.44E-04	3.51E-04	3.50E-04
4551	474363.09	3859377.25	0.01102	3.25E-04	3.31E-04	3.31E-04
4552	474863.09	3859377.25	0.00891	2.63E-04	2.68E-04	2.68E-04
4553	475363.09	3859377.25	0.00607	1.79E-04	1.83E-04	1.82E-04
4554	475863.09	3859377.25	0.00365	1.08E-04	1.10E-04	1.10E-04
4555	476363.09	3859377.25	0.0031	9.13E-05	9.32E-05	9.31E-05
4556	476863.09	3859377.25	0.00233	6.87E-05	7.01E-05	7.00E-05
4557	477363.09	3859377.25	0.00256	7.54E-05	7.70E-05	7.69E-05
4558	477863.09	3859377.25	0.00534	1.57E-04	1.61E-04	1.60E-04
4559	478363.09	3859377.25	0.00805	2.37E-04	2.42E-04	2.42E-04
4560	478863.09	3859377.25	0.01104	3.25E-04	3.32E-04	3.32E-04
4561	479363.09	3859377.25	0.01317	3.88E-04	3.96E-04	3.96E-04
4562	479863.09	3859377.25	0.01455	4.29E-04	4.37E-04	4.37E-04
4563	480363.09	3859377.25	0.01559	4.59E-04	4.69E-04	4.68E-04
4564	480863.09	3859377.25	0.01633	4.81E-04	4.91E-04	4.90E-04
4565	481363.09	3859377.25	0.01681	4.95E-04	5.05E-04	5.05E-04
4566	481863.09	3859377.25	0.01717	5.06E-04	5.16E-04	5.16E-04
4567	482363.09	3859377.25	0.01762	5.19E-04	5.30E-04	5.29E-04
4568	482863.09	3859377.25	0.01834	5.40E-04	5.51E-04	5.51E-04
4569	483363.09	3859377.25	0.0196	5.78E-04	5.89E-04	5.89E-04
4570	483863.09	3859377.25	0.02074	6.11E-04	6.24E-04	6.23E-04
4571	484363.09	3859377.25	0.02214	6.52E-04	6.66E-04	6.65E-04
4572	484863.09	3859377.25	0.02384	7.02E-04	7.17E-04	7.16E-04
4573	485363.09	3859377.25	0.02608	7.68E-04	7.84E-04	7.83E-04
4574	485863.09	3859377.25	0.02924	8.62E-04	8.79E-04	8.78E-04
4575	486363.09	3859377.25	0.03373	9.94E-04	1.01E-03	1.01E-03
4576	486863.09	3859377.25	0.04005	1.18E-03	1.20E-03	1.20E-03
4577	487363.09	3859377.25	0.05042	1.49E-03	1.52E-03	1.51E-03
4578	487863.09	3859377.25	0.0711	2.10E-03	2.14E-03	2.14E-03
4579	488363.09	3859377.25	0.11196	3.30E-03	3.37E-03	3.36E-03
4580	488863.09	3859377.25	0.22568	6.65E-03	6.79E-03	6.78E-03
4581	489363.09	3859377.25	0.60889	1.79E-02	1.83E-02	1.83E-02
4582	489863.09	3859377.25	2.1193	6.24E-02	6.37E-02	6.36E-02
4583	490363.09	3859377.25	0.72957	2.15E-02	2.19E-02	2.19E-02
4584	490863.09	3859377.25	0.35826	1.06E-02	1.08E-02	1.08E-02
4585	491363.09	3859377.25	0.17791	5.24E-03	5.35E-03	5.34E-03
4586	491863.09	3859377.25	0.18884	5.56E-03	5.68E-03	5.67E-03
4587	492363.09	3859377.25	0.16089	4.74E-03	4.84E-03	4.83E-03
4588	492863.09	3859377.25	0.14386	4.24E-03	4.33E-03	4.32E-03
4589	493363.09	3859377.25	0.11385	3.35E-03	3.42E-03	3.42E-03
4590	493863.09	3859377.25	0.10013	2.95E-03	3.01E-03	3.01E-03
4591	494363.09	3859377.25	0.08493	2.50E-03	2.55E-03	2.55E-03
4592	494863.09	3859377.25	0.0668	1.97E-03	2.01E-03	2.01E-03
4593	495363.09	3859377.25	0.06009	1.77E-03	1.81E-03	1.80E-03
4594	495863.09	3859377.25	0.05268	1.55E-03	1.58E-03	1.58E-03
4595	496363.09	3859377.25	0.04943	1.46E-03	1.49E-03	1.48E-03

4596	496863.09	3859377.25	0.0425	1.25E-03	1.28E-03	1.28E-03
4597	497363.09	3859377.25	0.04177	1.23E-03	1.26E-03	1.25E-03
4598	497863.09	3859377.25	0.04343	1.28E-03	1.31E-03	1.30E-03
4599	498363.09	3859377.25	0.04423	1.30E-03	1.33E-03	1.33E-03
4600	471363.09	3859877.25	0.00945	2.78E-04	2.84E-04	2.84E-04
4601	471863.09	3859877.25	0.00976	2.88E-04	2.93E-04	2.93E-04
4602	472363.09	3859877.25	0.01003	2.96E-04	3.02E-04	3.01E-04
4603	472863.09	3859877.25	0.01042	3.07E-04	3.13E-04	3.13E-04
4604	473363.09	3859877.25	0.01078	3.18E-04	3.24E-04	3.24E-04
4605	473863.09	3859877.25	0.01108	3.26E-04	3.33E-04	3.33E-04
4606	474363.09	3859877.25	0.01076	3.17E-04	3.24E-04	3.23E-04
4607	474863.09	3859877.25	0.00979	2.88E-04	2.94E-04	2.94E-04
4608	475363.09	3859877.25	0.00692	2.04E-04	2.08E-04	2.08E-04
4609	475863.09	3859877.25	0.00349	1.03E-04	1.05E-04	1.05E-04
4610	476363.09	3859877.25	0.00186	5.48E-05	5.59E-05	5.59E-05
4611	476863.09	3859877.25	0.00222	6.54E-05	6.68E-05	6.67E-05
4612	477363.09	3859877.25	0.00239	7.04E-05	7.19E-05	7.18E-05
4613	477863.09	3859877.25	0.00473	1.39E-04	1.42E-04	1.42E-04
4614	478363.09	3859877.25	0.00772	2.27E-04	2.32E-04	2.32E-04
4615	478863.09	3859877.25	0.01046	3.08E-04	3.15E-04	3.14E-04
4616	479363.09	3859877.25	0.01268	3.74E-04	3.81E-04	3.81E-04
4617	479863.09	3859877.25	0.01386	4.08E-04	4.17E-04	4.16E-04
4618	480363.09	3859877.25	0.01475	4.35E-04	4.44E-04	4.43E-04
4619	480863.09	3859877.25	0.0154	4.54E-04	4.63E-04	4.63E-04
4620	481363.09	3859877.25	0.01585	4.67E-04	4.77E-04	4.76E-04
4621	481863.09	3859877.25	0.01625	4.79E-04	4.89E-04	4.88E-04
4622	482363.09	3859877.25	0.01683	4.96E-04	5.06E-04	5.05E-04
4623	482863.09	3859877.25	0.01748	5.15E-04	5.26E-04	5.25E-04
4624	483363.09	3859877.25	0.01844	5.43E-04	5.54E-04	5.54E-04
4625	483863.09	3859877.25	0.01976	5.82E-04	5.94E-04	5.93E-04
4626	484363.09	3859877.25	0.02102	6.19E-04	6.32E-04	6.31E-04
4627	484863.09	3859877.25	0.02263	6.67E-04	6.80E-04	6.80E-04
4628	485363.09	3859877.25	0.02475	7.29E-04	7.44E-04	7.43E-04
4629	485863.09	3859877.25	0.02774	8.17E-04	8.34E-04	8.33E-04
4630	486363.09	3859877.25	0.03207	9.45E-04	9.64E-04	9.63E-04
4631	486863.09	3859877.25	0.03871	1.14E-03	1.16E-03	1.16E-03
4632	487363.09	3859877.25	0.04729	1.39E-03	1.42E-03	1.42E-03
4633	487863.09	3859877.25	0.06197	1.83E-03	1.86E-03	1.86E-03
4634	488363.09	3859877.25	0.0845	2.49E-03	2.54E-03	2.54E-03
4635	488863.09	3859877.25	0.12415	3.66E-03	3.73E-03	3.73E-03
4636	489363.09	3859877.25	0.18908	5.57E-03	5.69E-03	5.68E-03
4637	489863.09	3859877.25	0.31711	9.34E-03	9.53E-03	9.52E-03
4638	490363.09	3859877.25	0.61838	1.82E-02	1.86E-02	1.86E-02
4639	490863.09	3859877.25	3.0508	8.99E-02	9.17E-02	9.16E-02
4640	491363.09	3859877.25	0.9772	2.88E-02	2.94E-02	2.93E-02
4641	491863.09	3859877.25	0.50719	1.49E-02	1.53E-02	1.52E-02
4642	492363.09	3859877.25	0.34054	1.00E-02	1.02E-02	1.02E-02
4643	492863.09	3859877.25	0.23595	6.95E-03	7.09E-03	7.09E-03
4644	493363.09	3859877.25	0.18178	5.36E-03	5.47E-03	5.46E-03
4645	493863.09	3859877.25	0.14435	4.25E-03	4.34E-03	4.34E-03
4646	494363.09	3859877.25	0.11342	3.34E-03	3.41E-03	3.41E-03
4647	494863.09	3859877.25	0.09664	2.85E-03	2.91E-03	2.90E-03
4648	495363.09	3859877.25	0.08097	2.39E-03	2.43E-03	2.43E-03
4649	495863.09	3859877.25	0.06845	2.02E-03	2.06E-03	2.06E-03
4650	496363.09	3859877.25	0.05574	1.64E-03	1.68E-03	1.67E-03
4651	496863.09	3859877.25	0.04017	1.18E-03	1.21E-03	1.21E-03
4652	497363.09	3859877.25	0.04436	1.31E-03	1.33E-03	1.33E-03
4653	497863.09	3859877.25	0.04834	1.42E-03	1.45E-03	1.45E-03
4654	498363.09	3859877.25	0.04809	1.42E-03	1.45E-03	1.44E-03
4655	471363.09	3860377.25	0.00905	2.67E-04	2.72E-04	2.72E-04
4656	471863.09	3860377.25	0.00933	2.75E-04	2.81E-04	2.80E-04
4657	472363.09	3860377.25	0.00964	2.84E-04	2.90E-04	2.90E-04
4658	472863.09	3860377.25	0.00997	2.94E-04	3.00E-04	2.99E-04

4659	473363.09	3860377.25	0.01027	3.03E-04	3.09E-04	3.08E-04
4660	473863.09	3860377.25	0.01052	3.10E-04	3.16E-04	3.16E-04
4661	474363.09	3860377.25	0.0106	3.12E-04	3.19E-04	3.18E-04
4662	474863.09	3860377.25	0.01042	3.07E-04	3.13E-04	3.13E-04
4663	475363.09	3860377.25	0.00962	2.83E-04	2.89E-04	2.89E-04
4664	475863.09	3860377.25	0.00851	2.51E-04	2.56E-04	2.56E-04
4665	476363.09	3860377.25	0.00703	2.07E-04	2.11E-04	2.11E-04
4666	476863.09	3860377.25	0.00638	1.88E-04	1.92E-04	1.92E-04
4667	477363.09	3860377.25	0.0039	1.15E-04	1.17E-04	1.17E-04
4668	477863.09	3860377.25	0.00491	1.45E-04	1.48E-04	1.47E-04
4669	478363.09	3860377.25	0.00806	2.37E-04	2.42E-04	2.42E-04
4670	478863.09	3860377.25	0.01016	2.99E-04	3.05E-04	3.05E-04
4671	479363.09	3860377.25	0.01198	3.53E-04	3.60E-04	3.60E-04
4672	479863.09	3860377.25	0.01322	3.90E-04	3.97E-04	3.97E-04
4673	480363.09	3860377.25	0.01403	4.13E-04	4.22E-04	4.21E-04
4674	480863.09	3860377.25	0.0146	4.30E-04	4.39E-04	4.38E-04
4675	481363.09	3860377.25	0.01494	4.40E-04	4.49E-04	4.49E-04
4676	481863.09	3860377.25	0.01543	4.55E-04	4.64E-04	4.63E-04
4677	482363.09	3860377.25	0.01594	4.70E-04	4.79E-04	4.79E-04
4678	482863.09	3860377.25	0.01651	4.86E-04	4.96E-04	4.96E-04
4679	483363.09	3860377.25	0.01746	5.14E-04	5.25E-04	5.24E-04
4680	483863.09	3860377.25	0.01867	5.50E-04	5.61E-04	5.61E-04
4681	484363.09	3860377.25	0.02007	5.91E-04	6.03E-04	6.03E-04
4682	484863.09	3860377.25	0.02171	6.40E-04	6.53E-04	6.52E-04
4683	485363.09	3860377.25	0.02376	7.00E-04	7.14E-04	7.14E-04
4684	485863.09	3860377.25	0.0267	7.87E-04	8.03E-04	8.02E-04
4685	486363.09	3860377.25	0.03042	8.96E-04	9.15E-04	9.14E-04
4686	486863.09	3860377.25	0.03501	1.03E-03	1.05E-03	1.05E-03
4687	487363.09	3860377.25	0.04115	1.21E-03	1.24E-03	1.24E-03
4688	487863.09	3860377.25	0.05107	1.50E-03	1.54E-03	1.53E-03
4689	488363.09	3860377.25	0.06453	1.90E-03	1.94E-03	1.94E-03
4690	488863.09	3860377.25	0.08254	2.43E-03	2.48E-03	2.48E-03
4691	489363.09	3860377.25	0.10557	3.11E-03	3.17E-03	3.17E-03
4692	489863.09	3860377.25	0.13999	4.12E-03	4.21E-03	4.20E-03
4693	490363.09	3860377.25	0.18683	5.51E-03	5.62E-03	5.61E-03
4694	490863.09	3860377.25	0.27573	8.12E-03	8.29E-03	8.28E-03
4695	491363.09	3860377.25	0.61145	1.80E-02	1.84E-02	1.84E-02
4696	491863.09	3860377.25	1.22637	3.61E-02	3.69E-02	3.68E-02
4697	492363.09	3860377.25	0.51704	1.52E-02	1.55E-02	1.55E-02
4698	492863.09	3860377.25	0.30494	8.99E-03	9.17E-03	9.16E-03
4699	493363.09	3860377.25	0.20606	6.07E-03	6.20E-03	6.19E-03
4700	493863.09	3860377.25	0.16	4.71E-03	4.81E-03	4.81E-03
4701	494363.09	3860377.25	0.12631	3.72E-03	3.80E-03	3.79E-03
4702	494863.09	3860377.25	0.10676	3.15E-03	3.21E-03	3.21E-03
4703	495363.09	3860377.25	0.08948	2.64E-03	2.69E-03	2.69E-03
4704	495863.09	3860377.25	0.07157	2.11E-03	2.15E-03	2.15E-03
4705	496363.09	3860377.25	0.05765	1.70E-03	1.73E-03	1.73E-03
4706	496863.09	3860377.25	0.04863	1.43E-03	1.46E-03	1.46E-03
4707	497363.09	3860377.25	0.04042	1.19E-03	1.22E-03	1.21E-03
4708	497863.09	3860377.25	0.04416	1.30E-03	1.33E-03	1.33E-03
4709	498363.09	3860377.25	0.04552	1.34E-03	1.37E-03	1.37E-03
4710	471363.09	3860877.25	0.00879	2.59E-04	2.64E-04	2.64E-04
4711	471863.09	3860877.25	0.00906	2.67E-04	2.72E-04	2.72E-04
4712	472363.09	3860877.25	0.00932	2.75E-04	2.80E-04	2.80E-04
4713	472863.09	3860877.25	0.00961	2.83E-04	2.89E-04	2.89E-04
4714	473363.09	3860877.25	0.00986	2.91E-04	2.96E-04	2.96E-04
4715	473863.09	3860877.25	0.0101	2.98E-04	3.04E-04	3.03E-04
4716	474363.09	3860877.25	0.01032	3.04E-04	3.10E-04	3.10E-04
4717	474863.09	3860877.25	0.01052	3.10E-04	3.16E-04	3.16E-04
4718	475363.09	3860877.25	0.01049	3.09E-04	3.15E-04	3.15E-04
4719	475863.09	3860877.25	0.0102	3.01E-04	3.07E-04	3.06E-04
4720	476363.09	3860877.25	0.00948	2.79E-04	2.85E-04	2.85E-04
4721	476863.09	3860877.25	0.00913	2.69E-04	2.75E-04	2.74E-04

4722	477363.09	3860877.25	0.00918	2.71E-04	2.76E-04	2.76E-04
4723	477863.09	3860877.25	0.00828	2.44E-04	2.49E-04	2.49E-04
4724	478363.09	3860877.25	0.00556	1.64E-04	1.67E-04	1.67E-04
4725	478863.09	3860877.25	0.00946	2.79E-04	2.84E-04	2.84E-04
4726	479363.09	3860877.25	0.01142	3.37E-04	3.43E-04	3.43E-04
4727	479863.09	3860877.25	0.0126	3.71E-04	3.79E-04	3.78E-04
4728	480363.09	3860877.25	0.01336	3.94E-04	4.02E-04	4.01E-04
4729	480863.09	3860877.25	0.01378	4.06E-04	4.14E-04	4.14E-04
4730	481363.09	3860877.25	0.01416	4.17E-04	4.26E-04	4.25E-04
4731	481863.09	3860877.25	0.0146	4.30E-04	4.39E-04	4.38E-04
4732	482363.09	3860877.25	0.01517	4.47E-04	4.56E-04	4.56E-04
4733	482863.09	3860877.25	0.01582	4.66E-04	4.76E-04	4.75E-04
4734	483363.09	3860877.25	0.01672	4.93E-04	5.03E-04	5.02E-04
4735	483863.09	3860877.25	0.01793	5.28E-04	5.39E-04	5.38E-04
4736	484363.09	3860877.25	0.01939	5.71E-04	5.83E-04	5.82E-04
4737	484863.09	3860877.25	0.02081	6.13E-04	6.26E-04	6.25E-04
4738	485363.09	3860877.25	0.0228	6.72E-04	6.86E-04	6.85E-04
4739	485863.09	3860877.25	0.02521	7.43E-04	7.58E-04	7.57E-04
4740	486363.09	3860877.25	0.02772	8.17E-04	8.33E-04	8.33E-04
4741	486863.09	3860877.25	0.03121	9.20E-04	9.38E-04	9.37E-04
4742	487363.09	3860877.25	0.03591	1.06E-03	1.08E-03	1.08E-03
4743	487863.09	3860877.25	0.04198	1.24E-03	1.26E-03	1.26E-03
4744	488363.09	3860877.25	0.05122	1.51E-03	1.54E-03	1.54E-03
4745	488863.09	3860877.25	0.05945	1.75E-03	1.79E-03	1.79E-03
4746	489363.09	3860877.25	0.07162	2.11E-03	2.15E-03	2.15E-03
4747	489863.09	3860877.25	0.08155	2.40E-03	2.45E-03	2.45E-03
4748	490363.09	3860877.25	0.09853	2.90E-03	2.96E-03	2.96E-03
4749	490863.09	3860877.25	0.1208	3.56E-03	3.63E-03	3.63E-03
4750	491363.09	3860877.25	0.14515	4.28E-03	4.36E-03	4.36E-03
4751	491863.09	3860877.25	0.15769	4.65E-03	4.74E-03	4.74E-03
4752	492363.09	3860877.25	0.15274	4.50E-03	4.59E-03	4.59E-03
4753	492863.09	3860877.25	0.1482	4.37E-03	4.46E-03	4.45E-03
4754	493363.09	3860877.25	0.1317	3.88E-03	3.96E-03	3.96E-03
4755	493863.09	3860877.25	0.11167	3.29E-03	3.36E-03	3.35E-03
4756	494363.09	3860877.25	0.09634	2.84E-03	2.90E-03	2.89E-03
4757	494863.09	3860877.25	0.08453	2.49E-03	2.54E-03	2.54E-03
4758	495363.09	3860877.25	0.0752	2.22E-03	2.26E-03	2.26E-03
4759	495863.09	3860877.25	0.06715	1.98E-03	2.02E-03	2.02E-03
4760	496363.09	3860877.25	0.06088	1.79E-03	1.83E-03	1.83E-03
4761	496863.09	3860877.25	0.05154	1.52E-03	1.55E-03	1.55E-03
4762	497363.09	3860877.25	0.0476	1.40E-03	1.43E-03	1.43E-03
4763	497863.09	3860877.25	0.04309	1.27E-03	1.30E-03	1.29E-03
4764	498363.09	3860877.25	0.04229	1.25E-03	1.27E-03	1.27E-03
4765	471363.09	3861377.25	0.00856	2.52E-04	2.57E-04	2.57E-04
4766	471863.09	3861377.25	0.0088	2.59E-04	2.65E-04	2.64E-04
4767	472363.09	3861377.25	0.00903	2.66E-04	2.72E-04	2.71E-04
4768	472863.09	3861377.25	0.00928	2.73E-04	2.79E-04	2.79E-04
4769	473363.09	3861377.25	0.00951	2.80E-04	2.86E-04	2.86E-04
4770	473863.09	3861377.25	0.00973	2.87E-04	2.93E-04	2.92E-04
4771	474363.09	3861377.25	0.00998	2.94E-04	3.00E-04	3.00E-04
4772	474863.09	3861377.25	0.01016	2.99E-04	3.05E-04	3.05E-04
4773	475363.09	3861377.25	0.01041	3.07E-04	3.13E-04	3.13E-04
4774	475863.09	3861377.25	0.01049	3.09E-04	3.15E-04	3.15E-04
4775	476363.09	3861377.25	0.01041	3.07E-04	3.13E-04	3.13E-04
4776	476863.09	3861377.25	0.01031	3.04E-04	3.10E-04	3.10E-04
4777	477363.09	3861377.25	0.01027	3.03E-04	3.09E-04	3.08E-04
4778	477863.09	3861377.25	0.00914	2.69E-04	2.75E-04	2.74E-04
4779	478363.09	3861377.25	0.00638	1.88E-04	1.92E-04	1.92E-04
4780	478863.09	3861377.25	0.00733	2.16E-04	2.20E-04	2.20E-04
4781	479363.09	3861377.25	0.01056	3.11E-04	3.18E-04	3.17E-04
4782	479863.09	3861377.25	0.01191	3.51E-04	3.58E-04	3.58E-04
4783	480363.09	3861377.25	0.01276	3.76E-04	3.84E-04	3.83E-04
4784	480863.09	3861377.25	0.01315	3.87E-04	3.95E-04	3.95E-04

4785	481363.09	3861377.25	0.01355	3.99E-04	4.07E-04	4.07E-04
4786	481863.09	3861377.25	0.01405	4.14E-04	4.22E-04	4.22E-04
4787	482363.09	3861377.25	0.01461	4.31E-04	4.39E-04	4.39E-04
4788	482863.09	3861377.25	0.01524	4.49E-04	4.58E-04	4.58E-04
4789	483363.09	3861377.25	0.01609	4.74E-04	4.84E-04	4.83E-04
4790	483863.09	3861377.25	0.01731	5.10E-04	5.20E-04	5.20E-04
4791	484363.09	3861377.25	0.01864	5.49E-04	5.60E-04	5.60E-04
4792	484863.09	3861377.25	0.01993	5.87E-04	5.99E-04	5.99E-04
4793	485363.09	3861377.25	0.02112	6.22E-04	6.35E-04	6.34E-04
4794	485863.09	3861377.25	0.0229	6.75E-04	6.89E-04	6.88E-04
4795	486363.09	3861377.25	0.02497	7.36E-04	7.51E-04	7.50E-04
4796	486863.09	3861377.25	0.02772	8.17E-04	8.33E-04	8.33E-04
4797	487363.09	3861377.25	0.03115	9.18E-04	9.37E-04	9.36E-04
4798	487863.09	3861377.25	0.03523	1.04E-03	1.06E-03	1.06E-03
4799	488363.09	3861377.25	0.03949	1.16E-03	1.19E-03	1.19E-03
4800	488863.09	3861377.25	0.04503	1.33E-03	1.35E-03	1.35E-03
4801	489363.09	3861377.25	0.04984	1.47E-03	1.50E-03	1.50E-03
4802	489863.09	3861377.25	0.05555	1.64E-03	1.67E-03	1.67E-03
4803	490363.09	3861377.25	0.06009	1.77E-03	1.81E-03	1.80E-03
4804	490863.09	3861377.25	0.06587	1.94E-03	1.98E-03	1.98E-03
4805	491363.09	3861377.25	0.06925	2.04E-03	2.08E-03	2.08E-03
4806	491863.09	3861377.25	0.0682	2.01E-03	2.05E-03	2.05E-03
4807	492363.09	3861377.25	0.0689	2.03E-03	2.07E-03	2.07E-03
4808	492863.09	3861377.25	0.0665	1.96E-03	2.00E-03	2.00E-03
4809	493363.09	3861377.25	0.06861	2.02E-03	2.06E-03	2.06E-03
4810	493863.09	3861377.25	0.06701	1.97E-03	2.01E-03	2.01E-03
4811	494363.09	3861377.25	0.06245	1.84E-03	1.88E-03	1.88E-03
4812	494863.09	3861377.25	0.05834	1.72E-03	1.75E-03	1.75E-03
4813	495363.09	3861377.25	0.05439	1.60E-03	1.64E-03	1.63E-03
4814	495863.09	3861377.25	0.05052	1.49E-03	1.52E-03	1.52E-03
4815	496363.09	3861377.25	0.04801	1.41E-03	1.44E-03	1.44E-03
4816	496863.09	3861377.25	0.04581	1.35E-03	1.38E-03	1.38E-03
4817	497363.09	3861377.25	0.04306	1.27E-03	1.29E-03	1.29E-03
4818	497863.09	3861377.25	0.04055	1.19E-03	1.22E-03	1.22E-03
4819	498363.09	3861377.25	0.03843	1.13E-03	1.16E-03	1.15E-03
4820	471363.09	3861877.25	0.00826	2.43E-04	2.48E-04	2.48E-04
4821	471863.09	3861877.25	0.00846	2.49E-04	2.54E-04	2.54E-04
4822	472363.09	3861877.25	0.00867	2.55E-04	2.61E-04	2.60E-04
4823	472863.09	3861877.25	0.0089	2.62E-04	2.68E-04	2.67E-04
4824	473363.09	3861877.25	0.00912	2.69E-04	2.74E-04	2.74E-04
4825	473863.09	3861877.25	0.00933	2.75E-04	2.81E-04	2.80E-04
4826	474363.09	3861877.25	0.00955	2.81E-04	2.87E-04	2.87E-04
4827	474863.09	3861877.25	0.00974	2.87E-04	2.93E-04	2.93E-04
4828	475363.09	3861877.25	0.00992	2.92E-04	2.98E-04	2.98E-04
4829	475863.09	3861877.25	0.01009	2.97E-04	3.03E-04	3.03E-04
4830	476363.09	3861877.25	0.01023	3.01E-04	3.08E-04	3.07E-04
4831	476863.09	3861877.25	0.01028	3.03E-04	3.09E-04	3.09E-04
4832	477363.09	3861877.25	0.01024	3.02E-04	3.08E-04	3.08E-04
4833	477863.09	3861877.25	0.00885	2.61E-04	2.66E-04	2.66E-04
4834	478363.09	3861877.25	0.0054	1.59E-04	1.62E-04	1.62E-04
4835	478863.09	3861877.25	0.00769	2.27E-04	2.31E-04	2.31E-04
4836	479363.09	3861877.25	0.00713	2.10E-04	2.14E-04	2.14E-04
4837	479863.09	3861877.25	0.01128	3.32E-04	3.39E-04	3.39E-04
4838	480363.09	3861877.25	0.0122	3.59E-04	3.67E-04	3.66E-04
4839	480863.09	3861877.25	0.01255	3.70E-04	3.77E-04	3.77E-04
4840	481363.09	3861877.25	0.01292	3.81E-04	3.88E-04	3.88E-04
4841	481863.09	3861877.25	0.01338	3.94E-04	4.02E-04	4.02E-04
4842	482363.09	3861877.25	0.01393	4.10E-04	4.19E-04	4.18E-04
4843	482863.09	3861877.25	0.01462	4.31E-04	4.40E-04	4.39E-04
4844	483363.09	3861877.25	0.01546	4.56E-04	4.65E-04	4.64E-04
4845	483863.09	3861877.25	0.01641	4.84E-04	4.93E-04	4.93E-04
4846	484363.09	3861877.25	0.01737	5.12E-04	5.22E-04	5.22E-04
4847	484863.09	3861877.25	0.01845	5.44E-04	5.55E-04	5.54E-04

4848	485363.09	3861877.25	0.01961	5.78E-04	5.90E-04	5.89E-04
4849	485863.09	3861877.25	0.02076	6.12E-04	6.24E-04	6.23E-04
4850	486363.09	3861877.25	0.02244	6.61E-04	6.75E-04	6.74E-04
4851	486863.09	3861877.25	0.02455	7.23E-04	7.38E-04	7.37E-04
4852	487363.09	3861877.25	0.02709	7.98E-04	8.15E-04	8.14E-04
4853	487863.09	3861877.25	0.02966	8.74E-04	8.92E-04	8.91E-04
4854	488363.09	3861877.25	0.03236	9.54E-04	9.73E-04	9.72E-04
4855	488863.09	3861877.25	0.03506	1.03E-03	1.05E-03	1.05E-03
4856	489363.09	3861877.25	0.03701	1.09E-03	1.11E-03	1.11E-03
4857	489863.09	3861877.25	0.0396	1.17E-03	1.19E-03	1.19E-03
4858	490363.09	3861877.25	0.04145	1.22E-03	1.25E-03	1.24E-03
4859	490863.09	3861877.25	0.04296	1.27E-03	1.29E-03	1.29E-03
4860	491363.09	3861877.25	0.04334	1.28E-03	1.30E-03	1.30E-03
4861	491863.09	3861877.25	0.04336	1.28E-03	1.30E-03	1.30E-03
4862	492363.09	3861877.25	0.04293	1.26E-03	1.29E-03	1.29E-03
4863	492863.09	3861877.25	0.04312	1.27E-03	1.30E-03	1.30E-03
4864	493363.09	3861877.25	0.04174	1.23E-03	1.26E-03	1.25E-03
4865	493863.09	3861877.25	0.04105	1.21E-03	1.23E-03	1.23E-03
4866	494363.09	3861877.25	0.04256	1.25E-03	1.28E-03	1.28E-03
4867	494863.09	3861877.25	0.04209	1.24E-03	1.27E-03	1.26E-03
4868	495363.09	3861877.25	0.04009	1.18E-03	1.21E-03	1.20E-03
4869	495863.09	3861877.25	0.03812	1.12E-03	1.15E-03	1.14E-03
4870	496363.09	3861877.25	0.03656	1.08E-03	1.10E-03	1.10E-03
4871	496863.09	3861877.25	0.03652	1.08E-03	1.10E-03	1.10E-03
4872	497363.09	3861877.25	0.03439	1.01E-03	1.03E-03	1.03E-03
4873	497863.09	3861877.25	0.03268	9.63E-04	9.83E-04	9.81E-04
4874	498363.09	3861877.25	0.03136	9.24E-04	9.43E-04	9.42E-04
4875	471363.09	3862377.25	0.0079	2.33E-04	2.38E-04	2.37E-04
4876	471863.09	3862377.25	0.00808	2.38E-04	2.43E-04	2.43E-04
4877	472363.09	3862377.25	0.00828	2.44E-04	2.49E-04	2.49E-04
4878	472863.09	3862377.25	0.00848	2.50E-04	2.55E-04	2.55E-04
4879	473363.09	3862377.25	0.00869	2.56E-04	2.61E-04	2.61E-04
4880	473863.09	3862377.25	0.0089	2.62E-04	2.68E-04	2.67E-04
4881	474363.09	3862377.25	0.0091	2.68E-04	2.74E-04	2.73E-04
4882	474863.09	3862377.25	0.00923	2.72E-04	2.78E-04	2.77E-04
4883	475363.09	3862377.25	0.00939	2.77E-04	2.82E-04	2.82E-04
4884	475863.09	3862377.25	0.00954	2.81E-04	2.87E-04	2.87E-04
4885	476363.09	3862377.25	0.0097	2.86E-04	2.92E-04	2.91E-04
4886	476863.09	3862377.25	0.00988	2.91E-04	2.97E-04	2.97E-04
4887	477363.09	3862377.25	0.00993	2.93E-04	2.99E-04	2.98E-04
4888	477863.09	3862377.25	0.00905	2.67E-04	2.72E-04	2.72E-04
4889	478363.09	3862377.25	0.00785	2.31E-04	2.36E-04	2.36E-04
4890	478863.09	3862377.25	0.00806	2.37E-04	2.42E-04	2.42E-04
4891	479363.09	3862377.25	0.00892	2.63E-04	2.68E-04	2.68E-04
4892	479863.09	3862377.25	0.01103	3.25E-04	3.32E-04	3.31E-04
4893	480363.09	3862377.25	0.01167	3.44E-04	3.51E-04	3.50E-04
4894	480863.09	3862377.25	0.01198	3.53E-04	3.60E-04	3.60E-04
4895	481363.09	3862377.25	0.01239	3.65E-04	3.73E-04	3.72E-04
4896	481863.09	3862377.25	0.01289	3.80E-04	3.88E-04	3.87E-04
4897	482363.09	3862377.25	0.01344	3.96E-04	4.04E-04	4.04E-04
4898	482863.09	3862377.25	0.014	4.13E-04	4.21E-04	4.20E-04
4899	483363.09	3862377.25	0.0146	4.30E-04	4.39E-04	4.38E-04
4900	483863.09	3862377.25	0.0153	4.51E-04	4.60E-04	4.59E-04
4901	484363.09	3862377.25	0.01615	4.76E-04	4.86E-04	4.85E-04
4902	484863.09	3862377.25	0.017	5.01E-04	5.11E-04	5.11E-04
4903	485363.09	3862377.25	0.01782	5.25E-04	5.36E-04	5.35E-04
4904	485863.09	3862377.25	0.01887	5.56E-04	5.67E-04	5.67E-04
4905	486363.09	3862377.25	0.02005	5.91E-04	6.03E-04	6.02E-04
4906	486863.09	3862377.25	0.02156	6.35E-04	6.48E-04	6.48E-04
4907	487363.09	3862377.25	0.02329	6.86E-04	7.00E-04	6.99E-04
4908	487863.09	3862377.25	0.02498	7.36E-04	7.51E-04	7.50E-04
4909	488363.09	3862377.25	0.02657	7.83E-04	7.99E-04	7.98E-04
4910	488863.09	3862377.25	0.02821	8.31E-04	8.48E-04	8.47E-04

4911	489363.09	3862377.25	0.02976	8.77E-04	8.95E-04	8.94E-04
4912	489863.09	3862377.25	0.03125	9.21E-04	9.40E-04	9.39E-04
4913	490363.09	3862377.25	0.03238	9.54E-04	9.74E-04	9.72E-04
4914	490863.09	3862377.25	0.03234	9.53E-04	9.72E-04	9.71E-04
4915	491363.09	3862377.25	0.032	9.43E-04	9.62E-04	9.61E-04
4916	491863.09	3862377.25	0.03133	9.23E-04	9.42E-04	9.41E-04
4917	492363.09	3862377.25	0.03164	9.32E-04	9.51E-04	9.50E-04
4918	492863.09	3862377.25	0.0321	9.46E-04	9.65E-04	9.64E-04
4919	493363.09	3862377.25	0.03186	9.39E-04	9.58E-04	9.57E-04
4920	493863.09	3862377.25	0.03077	9.07E-04	9.25E-04	9.24E-04
4921	494363.09	3862377.25	0.02955	8.71E-04	8.89E-04	8.87E-04
4922	494863.09	3862377.25	0.03021	8.90E-04	9.08E-04	9.07E-04
4923	495363.09	3862377.25	0.03069	9.04E-04	9.23E-04	9.22E-04
4924	495863.09	3862377.25	0.03009	8.87E-04	9.05E-04	9.04E-04
4925	496363.09	3862377.25	0.02889	8.51E-04	8.69E-04	8.68E-04
4926	496863.09	3862377.25	0.0282	8.31E-04	8.48E-04	8.47E-04
4927	497363.09	3862377.25	0.02701	7.96E-04	8.12E-04	8.11E-04
4928	497863.09	3862377.25	0.0261	7.69E-04	7.85E-04	7.84E-04
4929	498363.09	3862377.25	0.02517	7.42E-04	7.57E-04	7.56E-04
4930	471363.09	3862877.25	0.00754	2.22E-04	2.27E-04	2.26E-04
4931	471863.09	3862877.25	0.0077	2.27E-04	2.32E-04	2.31E-04
4932	472363.09	3862877.25	0.00788	2.32E-04	2.37E-04	2.37E-04
4933	472863.09	3862877.25	0.00807	2.38E-04	2.43E-04	2.42E-04
4934	473363.09	3862877.25	0.00828	2.44E-04	2.49E-04	2.49E-04
4935	473863.09	3862877.25	0.00847	2.50E-04	2.55E-04	2.54E-04
4936	474363.09	3862877.25	0.00865	2.55E-04	2.60E-04	2.60E-04
4937	474863.09	3862877.25	0.00879	2.59E-04	2.64E-04	2.64E-04
4938	475363.09	3862877.25	0.00894	2.63E-04	2.69E-04	2.68E-04
4939	475863.09	3862877.25	0.00909	2.68E-04	2.73E-04	2.73E-04
4940	476363.09	3862877.25	0.00926	2.73E-04	2.78E-04	2.78E-04
4941	476863.09	3862877.25	0.00945	2.78E-04	2.84E-04	2.84E-04
4942	477363.09	3862877.25	0.0096	2.83E-04	2.89E-04	2.88E-04
4943	477863.09	3862877.25	0.00945	2.78E-04	2.84E-04	2.84E-04
4944	478363.09	3862877.25	0.00843	2.48E-04	2.53E-04	2.53E-04
4945	478863.09	3862877.25	0.0086	2.53E-04	2.59E-04	2.58E-04
4946	479363.09	3862877.25	0.00894	2.63E-04	2.69E-04	2.68E-04
4947	479863.09	3862877.25	0.01086	3.20E-04	3.27E-04	3.26E-04
4948	480363.09	3862877.25	0.01123	3.31E-04	3.38E-04	3.37E-04
4949	480863.09	3862877.25	0.01158	3.41E-04	3.48E-04	3.48E-04
4950	481363.09	3862877.25	0.01196	3.52E-04	3.60E-04	3.59E-04
4951	481863.09	3862877.25	0.01238	3.65E-04	3.72E-04	3.72E-04
4952	482363.09	3862877.25	0.01276	3.76E-04	3.84E-04	3.83E-04
4953	482863.09	3862877.25	0.01318	3.88E-04	3.96E-04	3.96E-04
4954	483363.09	3862877.25	0.01368	4.03E-04	4.11E-04	4.11E-04
4955	483863.09	3862877.25	0.01426	4.20E-04	4.29E-04	4.28E-04
4956	484363.09	3862877.25	0.01491	4.39E-04	4.48E-04	4.48E-04
4957	484863.09	3862877.25	0.01546	4.56E-04	4.65E-04	4.64E-04
4958	485363.09	3862877.25	0.01614	4.76E-04	4.85E-04	4.85E-04
4959	485863.09	3862877.25	0.01693	4.99E-04	5.09E-04	5.08E-04
4960	486363.09	3862877.25	0.01795	5.29E-04	5.40E-04	5.39E-04
4961	486863.09	3862877.25	0.01896	5.59E-04	5.70E-04	5.69E-04
4962	487363.09	3862877.25	0.02001	5.90E-04	6.02E-04	6.01E-04
4963	487863.09	3862877.25	0.02116	6.24E-04	6.36E-04	6.35E-04
4964	488363.09	3862877.25	0.02247	6.62E-04	6.76E-04	6.75E-04
4965	488863.09	3862877.25	0.02366	6.97E-04	7.11E-04	7.11E-04
4966	489363.09	3862877.25	0.02455	7.23E-04	7.38E-04	7.37E-04
4967	489863.09	3862877.25	0.02532	7.46E-04	7.61E-04	7.60E-04
4968	490363.09	3862877.25	0.02566	7.56E-04	7.72E-04	7.71E-04
4969	490863.09	3862877.25	0.02546	7.50E-04	7.66E-04	7.65E-04
4970	491363.09	3862877.25	0.02544	7.50E-04	7.65E-04	7.64E-04
4971	491863.09	3862877.25	0.02473	7.29E-04	7.44E-04	7.43E-04
4972	492363.09	3862877.25	0.02493	7.35E-04	7.50E-04	7.49E-04
4973	492863.09	3862877.25	0.02486	7.33E-04	7.47E-04	7.47E-04

4974	493363.09	3862877.25	0.02538	7.48E-04	7.63E-04	7.62E-04
4975	493863.09	3862877.25	0.0253	7.45E-04	7.61E-04	7.60E-04
4976	494363.09	3862877.25	0.0245	7.22E-04	7.37E-04	7.36E-04
4977	494863.09	3862877.25	0.02317	6.83E-04	6.97E-04	6.96E-04
4978	495363.09	3862877.25	0.02292	6.75E-04	6.89E-04	6.88E-04
4979	495863.09	3862877.25	0.02358	6.95E-04	7.09E-04	7.08E-04
4980	496363.09	3862877.25	0.02393	7.05E-04	7.20E-04	7.19E-04
4981	496863.09	3862877.25	0.02346	6.91E-04	7.05E-04	7.05E-04
4982	497363.09	3862877.25	0.02259	6.66E-04	6.79E-04	6.78E-04
4983	497863.09	3862877.25	0.02185	6.44E-04	6.57E-04	6.56E-04
4984	498363.09	3862877.25	0.02132	6.28E-04	6.41E-04	6.40E-04
4985	471363.09	3863377.25	0.0072	2.12E-04	2.16E-04	2.16E-04
4986	471863.09	3863377.25	0.00736	2.17E-04	2.21E-04	2.21E-04
4987	472363.09	3863377.25	0.00754	2.22E-04	2.27E-04	2.26E-04
4988	472863.09	3863377.25	0.00773	2.28E-04	2.32E-04	2.32E-04
4989	473363.09	3863377.25	0.00792	2.33E-04	2.38E-04	2.38E-04
4990	473863.09	3863377.25	0.00811	2.39E-04	2.44E-04	2.44E-04
4991	474363.09	3863377.25	0.00828	2.44E-04	2.49E-04	2.49E-04
4992	474863.09	3863377.25	0.00843	2.48E-04	2.53E-04	2.53E-04
4993	475363.09	3863377.25	0.00858	2.53E-04	2.58E-04	2.58E-04
4994	475863.09	3863377.25	0.00875	2.58E-04	2.63E-04	2.63E-04
4995	476363.09	3863377.25	0.00893	2.63E-04	2.69E-04	2.68E-04
4996	476863.09	3863377.25	0.0091	2.68E-04	2.74E-04	2.73E-04
4997	477363.09	3863377.25	0.00928	2.73E-04	2.79E-04	2.79E-04
4998	477863.09	3863377.25	0.00937	2.76E-04	2.82E-04	2.81E-04
4999	478363.09	3863377.25	0.00908	2.68E-04	2.73E-04	2.73E-04
5000	478863.09	3863377.25	0.00942	2.78E-04	2.83E-04	2.83E-04
5001	479363.09	3863377.25	0.0101	2.98E-04	3.04E-04	3.03E-04
5002	479863.09	3863377.25	0.01055	3.11E-04	3.17E-04	3.17E-04
5003	480363.09	3863377.25	0.01083	3.19E-04	3.26E-04	3.25E-04
5004	480863.09	3863377.25	0.01113	3.28E-04	3.35E-04	3.34E-04
5005	481363.09	3863377.25	0.0114	3.36E-04	3.43E-04	3.42E-04
5006	481863.09	3863377.25	0.01167	3.44E-04	3.51E-04	3.50E-04
5007	482363.09	3863377.25	0.01196	3.52E-04	3.60E-04	3.59E-04
5008	482863.09	3863377.25	0.01227	3.62E-04	3.69E-04	3.68E-04
5009	483363.09	3863377.25	0.01266	3.73E-04	3.81E-04	3.80E-04
5010	483863.09	3863377.25	0.0131	3.86E-04	3.94E-04	3.93E-04
5011	484363.09	3863377.25	0.01354	3.99E-04	4.07E-04	4.07E-04
5012	484863.09	3863377.25	0.01407	4.15E-04	4.23E-04	4.23E-04
5013	485363.09	3863377.25	0.01462	4.31E-04	4.40E-04	4.39E-04
5014	485863.09	3863377.25	0.01524	4.49E-04	4.58E-04	4.58E-04
5015	486363.09	3863377.25	0.01594	4.70E-04	4.79E-04	4.79E-04
5016	486863.09	3863377.25	0.01671	4.92E-04	5.02E-04	5.02E-04
5017	487363.09	3863377.25	0.01752	5.16E-04	5.27E-04	5.26E-04
5018	487863.09	3863377.25	0.01849	5.45E-04	5.56E-04	5.55E-04
5019	488363.09	3863377.25	0.01941	5.72E-04	5.84E-04	5.83E-04
5020	488863.09	3863377.25	0.02024	5.96E-04	6.09E-04	6.08E-04
5021	489363.09	3863377.25	0.02072	6.11E-04	6.23E-04	6.22E-04
5022	489863.09	3863377.25	0.02094	6.17E-04	6.30E-04	6.29E-04
5023	490363.09	3863377.25	0.02102	6.19E-04	6.32E-04	6.31E-04
5024	490863.09	3863377.25	0.02103	6.20E-04	6.32E-04	6.32E-04
5025	491363.09	3863377.25	0.02056	6.06E-04	6.18E-04	6.17E-04
5026	491863.09	3863377.25	0.02031	5.98E-04	6.11E-04	6.10E-04
5027	492363.09	3863377.25	0.02079	6.13E-04	6.25E-04	6.24E-04
5028	492863.09	3863377.25	0.0211	6.22E-04	6.34E-04	6.34E-04
5029	493363.09	3863377.25	0.02137	6.30E-04	6.43E-04	6.42E-04
5030	493863.09	3863377.25	0.02147	6.33E-04	6.46E-04	6.45E-04
5031	494363.09	3863377.25	0.02125	6.26E-04	6.39E-04	6.38E-04
5032	494863.09	3863377.25	0.02073	6.11E-04	6.23E-04	6.23E-04
5033	495363.09	3863377.25	0.01989	5.86E-04	5.98E-04	5.97E-04
5034	495863.09	3863377.25	0.0195	5.75E-04	5.86E-04	5.86E-04
5035	496363.09	3863377.25	0.01919	5.65E-04	5.77E-04	5.76E-04
5036	496863.09	3863377.25	0.01922	5.66E-04	5.78E-04	5.77E-04

5037	497363.09	3863377.25	0.01935	5.70E-04	5.82E-04	5.81E-04
5038	497863.09	3863377.25	0.01906	5.62E-04	5.73E-04	5.72E-04
5039	498363.09	3863377.25	0.0185	5.45E-04	5.56E-04	5.56E-04
5040	471363.09	3863877.25	0.00692	2.04E-04	2.08E-04	2.08E-04
5041	471863.09	3863877.25	0.00708	2.09E-04	2.13E-04	2.13E-04
5042	472363.09	3863877.25	0.00727	2.14E-04	2.19E-04	2.18E-04
5043	472863.09	3863877.25	0.00746	2.20E-04	2.24E-04	2.24E-04
5044	473363.09	3863877.25	0.00764	2.25E-04	2.30E-04	2.29E-04
5045	473863.09	3863877.25	0.00782	2.30E-04	2.35E-04	2.35E-04
5046	474363.09	3863877.25	0.00798	2.35E-04	2.40E-04	2.40E-04
5047	474863.09	3863877.25	0.00812	2.39E-04	2.44E-04	2.44E-04
5048	475363.09	3863877.25	0.00827	2.44E-04	2.49E-04	2.48E-04
5049	475863.09	3863877.25	0.00842	2.48E-04	2.53E-04	2.53E-04
5050	476363.09	3863877.25	0.00858	2.53E-04	2.58E-04	2.58E-04
5051	476863.09	3863877.25	0.00873	2.57E-04	2.62E-04	2.62E-04
5052	477363.09	3863877.25	0.0089	2.62E-04	2.68E-04	2.67E-04
5053	477863.09	3863877.25	0.00908	2.68E-04	2.73E-04	2.73E-04
5054	478363.09	3863877.25	0.00905	2.67E-04	2.72E-04	2.72E-04
5055	478863.09	3863877.25	0.00957	2.82E-04	2.88E-04	2.87E-04
5056	479363.09	3863877.25	0.00991	2.92E-04	2.98E-04	2.98E-04
5057	479863.09	3863877.25	0.01015	2.99E-04	3.05E-04	3.05E-04
5058	480363.09	3863877.25	0.01033	3.04E-04	3.11E-04	3.10E-04
5059	480863.09	3863877.25	0.01052	3.10E-04	3.16E-04	3.16E-04
5060	481363.09	3863877.25	0.0107	3.15E-04	3.22E-04	3.21E-04
5061	481863.09	3863877.25	0.0109	3.21E-04	3.28E-04	3.27E-04
5062	482363.09	3863877.25	0.01113	3.28E-04	3.35E-04	3.34E-04
5063	482863.09	3863877.25	0.01135	3.34E-04	3.41E-04	3.41E-04
5064	483363.09	3863877.25	0.01163	3.43E-04	3.50E-04	3.49E-04
5065	483863.09	3863877.25	0.01199	3.53E-04	3.61E-04	3.60E-04
5066	484363.09	3863877.25	0.01236	3.64E-04	3.72E-04	3.71E-04
5067	484863.09	3863877.25	0.01282	3.78E-04	3.85E-04	3.85E-04
5068	485363.09	3863877.25	0.01324	3.90E-04	3.98E-04	3.98E-04
5069	485863.09	3863877.25	0.01375	4.05E-04	4.13E-04	4.13E-04
5070	486363.09	3863877.25	0.01432	4.22E-04	4.31E-04	4.30E-04
5071	486863.09	3863877.25	0.01498	4.41E-04	4.50E-04	4.50E-04
5072	487363.09	3863877.25	0.01562	4.60E-04	4.70E-04	4.69E-04
5073	487863.09	3863877.25	0.01633	4.81E-04	4.91E-04	4.90E-04
5074	488363.09	3863877.25	0.01701	5.01E-04	5.11E-04	5.11E-04
5075	488863.09	3863877.25	0.01759	5.18E-04	5.29E-04	5.28E-04
5076	489363.09	3863877.25	0.01779	5.24E-04	5.35E-04	5.34E-04
5077	489863.09	3863877.25	0.01779	5.24E-04	5.35E-04	5.34E-04
5078	490363.09	3863877.25	0.01775	5.23E-04	5.34E-04	5.33E-04
5079	490863.09	3863877.25	0.01774	5.23E-04	5.33E-04	5.33E-04
5080	491363.09	3863877.25	0.01744	5.14E-04	5.24E-04	5.24E-04
5081	491863.09	3863877.25	0.01767	5.21E-04	5.31E-04	5.31E-04
5082	492363.09	3863877.25	0.01757	5.18E-04	5.28E-04	5.28E-04
5083	492863.09	3863877.25	0.0164	4.83E-04	4.93E-04	4.93E-04
5084	493363.09	3863877.25	0.01668	4.91E-04	5.02E-04	5.01E-04
5085	493863.09	3863877.25	0.01728	5.09E-04	5.20E-04	5.19E-04
5086	494363.09	3863877.25	0.01796	5.29E-04	5.40E-04	5.39E-04
5087	494863.09	3863877.25	0.01788	5.27E-04	5.38E-04	5.37E-04
5088	495363.09	3863877.25	0.01771	5.22E-04	5.33E-04	5.32E-04
5089	495863.09	3863877.25	0.01685	4.97E-04	5.07E-04	5.06E-04
5090	496363.09	3863877.25	0.01633	4.81E-04	4.91E-04	4.90E-04
5091	496863.09	3863877.25	0.01609	4.74E-04	4.84E-04	4.83E-04
5092	497363.09	3863877.25	0.01619	4.77E-04	4.87E-04	4.86E-04
5093	497863.09	3863877.25	0.01646	4.85E-04	4.95E-04	4.94E-04
5094	498363.09	3863877.25	0.01638	4.83E-04	4.93E-04	4.92E-04
5095	471363.09	3864377.25	0.0067	1.97E-04	2.01E-04	2.01E-04
5096	471863.09	3864377.25	0.00687	2.02E-04	2.07E-04	2.06E-04
5097	472363.09	3864377.25	0.00705	2.08E-04	2.12E-04	2.12E-04
5098	472863.09	3864377.25	0.00723	2.13E-04	2.17E-04	2.17E-04
5099	473363.09	3864377.25	0.00739	2.18E-04	2.22E-04	2.22E-04

5100	473863.09	3864377.25	0.00755	2.22E-04	2.27E-04	2.27E-04
5101	474363.09	3864377.25	0.00769	2.27E-04	2.31E-04	2.31E-04
5102	474863.09	3864377.25	0.00783	2.31E-04	2.35E-04	2.35E-04
5103	475363.09	3864377.25	0.00797	2.35E-04	2.40E-04	2.39E-04
5104	475863.09	3864377.25	0.00811	2.39E-04	2.44E-04	2.44E-04
5105	476363.09	3864377.25	0.00825	2.43E-04	2.48E-04	2.48E-04
5106	476863.09	3864377.25	0.00841	2.48E-04	2.53E-04	2.53E-04
5107	477363.09	3864377.25	0.00857	2.53E-04	2.58E-04	2.57E-04
5108	477863.09	3864377.25	0.00876	2.58E-04	2.63E-04	2.63E-04
5109	478363.09	3864377.25	0.00899	2.65E-04	2.70E-04	2.70E-04
5110	478863.09	3864377.25	0.00924	2.72E-04	2.78E-04	2.78E-04
5111	479363.09	3864377.25	0.00944	2.78E-04	2.84E-04	2.84E-04
5112	479863.09	3864377.25	0.00959	2.83E-04	2.88E-04	2.88E-04
5113	480363.09	3864377.25	0.00972	2.86E-04	2.92E-04	2.92E-04
5114	480863.09	3864377.25	0.00982	2.89E-04	2.95E-04	2.95E-04
5115	481363.09	3864377.25	0.00998	2.94E-04	3.00E-04	3.00E-04
5116	481863.09	3864377.25	0.01015	2.99E-04	3.05E-04	3.05E-04
5117	482363.09	3864377.25	0.01031	3.04E-04	3.10E-04	3.10E-04
5118	482863.09	3864377.25	0.01048	3.09E-04	3.15E-04	3.15E-04
5119	483363.09	3864377.25	0.01068	3.15E-04	3.21E-04	3.21E-04
5120	483863.09	3864377.25	0.01095	3.23E-04	3.29E-04	3.29E-04
5121	484363.09	3864377.25	0.01129	3.33E-04	3.39E-04	3.39E-04
5122	484863.09	3864377.25	0.01163	3.43E-04	3.50E-04	3.49E-04
5123	485363.09	3864377.25	0.01204	3.55E-04	3.62E-04	3.62E-04
5124	485863.09	3864377.25	0.01255	3.70E-04	3.77E-04	3.77E-04
5125	486363.09	3864377.25	0.01309	3.86E-04	3.94E-04	3.93E-04
5126	486863.09	3864377.25	0.01355	3.99E-04	4.07E-04	4.07E-04
5127	487363.09	3864377.25	0.01405	4.14E-04	4.22E-04	4.22E-04
5128	487863.09	3864377.25	0.0146	4.30E-04	4.39E-04	4.38E-04
5129	488363.09	3864377.25	0.01506	4.44E-04	4.53E-04	4.52E-04
5130	488863.09	3864377.25	0.01543	4.55E-04	4.64E-04	4.63E-04
5131	489363.09	3864377.25	0.01552	4.57E-04	4.67E-04	4.66E-04
5132	489863.09	3864377.25	0.01542	4.54E-04	4.64E-04	4.63E-04
5133	490363.09	3864377.25	0.0154	4.54E-04	4.63E-04	4.63E-04
5134	490863.09	3864377.25	0.01545	4.55E-04	4.65E-04	4.64E-04
5135	491363.09	3864377.25	0.01548	4.56E-04	4.65E-04	4.65E-04
5136	491863.09	3864377.25	0.0072	2.12E-04	2.16E-04	2.16E-04
5137	492363.09	3864377.25	0.01186	3.49E-04	3.57E-04	3.56E-04
5138	492863.09	3864377.25	0.00817	2.41E-04	2.46E-04	2.45E-04
5139	493363.09	3864377.25	0.01102	3.25E-04	3.31E-04	3.31E-04
5140	493863.09	3864377.25	0.01342	3.95E-04	4.04E-04	4.03E-04
5141	494363.09	3864377.25	0.01453	4.28E-04	4.37E-04	4.36E-04
5142	494863.09	3864377.25	0.0154	4.54E-04	4.63E-04	4.63E-04
5143	495363.09	3864377.25	0.01545	4.55E-04	4.65E-04	4.64E-04
5144	495863.09	3864377.25	0.01535	4.52E-04	4.62E-04	4.61E-04
5145	496363.09	3864377.25	0.01467	4.32E-04	4.41E-04	4.41E-04
5146	496863.09	3864377.25	0.01416	4.17E-04	4.26E-04	4.25E-04
5147	497363.09	3864377.25	0.0139	4.10E-04	4.18E-04	4.17E-04
5148	497863.09	3864377.25	0.01402	4.13E-04	4.22E-04	4.21E-04
5149	498363.09	3864377.25	0.0141	4.15E-04	4.24E-04	4.23E-04
5150	471363.09	3864877.25	0.00652	1.92E-04	1.96E-04	1.96E-04
5151	471863.09	3864877.25	0.00668	1.97E-04	2.01E-04	2.01E-04
5152	472363.09	3864877.25	0.00685	2.02E-04	2.06E-04	2.06E-04
5153	472863.09	3864877.25	0.00701	2.07E-04	2.11E-04	2.11E-04
5154	473363.09	3864877.25	0.00715	2.11E-04	2.15E-04	2.15E-04
5155	473863.09	3864877.25	0.00728	2.15E-04	2.19E-04	2.19E-04
5156	474363.09	3864877.25	0.00742	2.19E-04	2.23E-04	2.23E-04
5157	474863.09	3864877.25	0.00754	2.22E-04	2.27E-04	2.26E-04
5158	475363.09	3864877.25	0.00767	2.26E-04	2.31E-04	2.30E-04
5159	475863.09	3864877.25	0.00779	2.30E-04	2.34E-04	2.34E-04
5160	476363.09	3864877.25	0.00792	2.33E-04	2.38E-04	2.38E-04
5161	476863.09	3864877.25	0.0081	2.39E-04	2.44E-04	2.43E-04
5162	477363.09	3864877.25	0.00825	2.43E-04	2.48E-04	2.48E-04

5163	477863.09	3864877.25	0.00841	2.48E-04	2.53E-04	2.53E-04
5164	478363.09	3864877.25	0.00858	2.53E-04	2.58E-04	2.58E-04
5165	478863.09	3864877.25	0.00874	2.58E-04	2.63E-04	2.62E-04
5166	479363.09	3864877.25	0.00888	2.62E-04	2.67E-04	2.67E-04
5167	479863.09	3864877.25	0.00897	2.64E-04	2.70E-04	2.69E-04
5168	480363.09	3864877.25	0.00908	2.68E-04	2.73E-04	2.73E-04
5169	480863.09	3864877.25	0.00918	2.71E-04	2.76E-04	2.76E-04
5170	481363.09	3864877.25	0.00932	2.75E-04	2.80E-04	2.80E-04
5171	481863.09	3864877.25	0.00943	2.78E-04	2.84E-04	2.83E-04
5172	482363.09	3864877.25	0.00955	2.81E-04	2.87E-04	2.87E-04
5173	482863.09	3864877.25	0.00966	2.85E-04	2.90E-04	2.90E-04
5174	483363.09	3864877.25	0.0098	2.89E-04	2.95E-04	2.94E-04
5175	483863.09	3864877.25	0.01002	2.95E-04	3.01E-04	3.01E-04
5176	484363.09	3864877.25	0.01035	3.05E-04	3.11E-04	3.11E-04
5177	484863.09	3864877.25	0.01073	3.16E-04	3.23E-04	3.22E-04
5178	485363.09	3864877.25	0.01118	3.29E-04	3.36E-04	3.36E-04
5179	485863.09	3864877.25	0.0116	3.42E-04	3.49E-04	3.48E-04
5180	486363.09	3864877.25	0.01198	3.53E-04	3.60E-04	3.60E-04
5181	486863.09	3864877.25	0.01231	3.63E-04	3.70E-04	3.70E-04
5182	487363.09	3864877.25	0.01272	3.75E-04	3.82E-04	3.82E-04
5183	487863.09	3864877.25	0.01313	3.87E-04	3.95E-04	3.94E-04
5184	488363.09	3864877.25	0.01343	3.96E-04	4.04E-04	4.03E-04
5185	488863.09	3864877.25	0.01367	4.03E-04	4.11E-04	4.11E-04
5186	489363.09	3864877.25	0.0137	4.04E-04	4.12E-04	4.11E-04
5187	489863.09	3864877.25	0.01358	4.00E-04	4.08E-04	4.08E-04
5188	490363.09	3864877.25	0.0136	4.01E-04	4.09E-04	4.08E-04
5189	490863.09	3864877.25	0.0129	3.80E-04	3.88E-04	3.87E-04
5190	491363.09	3864877.25	0.01359	4.00E-04	4.09E-04	4.08E-04
5191	491863.09	3864877.25	0.01224	3.61E-04	3.68E-04	3.68E-04
5192	492363.09	3864877.25	0.0051	1.50E-04	1.53E-04	1.53E-04
5193	492863.09	3864877.25	0.00619	1.82E-04	1.86E-04	1.86E-04
5194	493363.09	3864877.25	0.00604	1.78E-04	1.82E-04	1.81E-04
5195	493863.09	3864877.25	0.01056	3.11E-04	3.18E-04	3.17E-04
5196	494363.09	3864877.25	0.01245	3.67E-04	3.74E-04	3.74E-04
5197	494863.09	3864877.25	0.01293	3.81E-04	3.89E-04	3.88E-04
5198	495363.09	3864877.25	0.01349	3.98E-04	4.06E-04	4.05E-04
5199	495863.09	3864877.25	0.01355	3.99E-04	4.07E-04	4.07E-04
5200	496363.09	3864877.25	0.01352	3.98E-04	4.07E-04	4.06E-04
5201	496863.09	3864877.25	0.01297	3.82E-04	3.90E-04	3.90E-04
5202	497363.09	3864877.25	0.01248	3.68E-04	3.75E-04	3.75E-04
5203	497863.09	3864877.25	0.01228	3.62E-04	3.69E-04	3.69E-04
5204	498363.09	3864877.25	0.01216	3.58E-04	3.66E-04	3.65E-04
5205	471363.09	3865377.25	0.00634	1.87E-04	1.91E-04	1.90E-04
5206	471863.09	3865377.25	0.00649	1.91E-04	1.95E-04	1.95E-04
5207	472363.09	3865377.25	0.00663	1.95E-04	1.99E-04	1.99E-04
5208	472863.09	3865377.25	0.00678	2.00E-04	2.04E-04	2.04E-04
5209	473363.09	3865377.25	0.00689	2.03E-04	2.07E-04	2.07E-04
5210	473863.09	3865377.25	0.00701	2.07E-04	2.11E-04	2.11E-04
5211	474363.09	3865377.25	0.00713	2.10E-04	2.14E-04	2.14E-04
5212	474863.09	3865377.25	0.00726	2.14E-04	2.18E-04	2.18E-04
5213	475363.09	3865377.25	0.00737	2.17E-04	2.22E-04	2.21E-04
5214	475863.09	3865377.25	0.00749	2.21E-04	2.25E-04	2.25E-04
5215	476363.09	3865377.25	0.00768	2.26E-04	2.31E-04	2.31E-04
5216	476863.09	3865377.25	0.00767	2.26E-04	2.31E-04	2.30E-04
5217	477363.09	3865377.25	0.00792	2.33E-04	2.38E-04	2.38E-04
5218	477863.09	3865377.25	0.008	2.36E-04	2.41E-04	2.40E-04
5219	478363.09	3865377.25	0.00813	2.40E-04	2.44E-04	2.44E-04
5220	478863.09	3865377.25	0.00823	2.43E-04	2.47E-04	2.47E-04
5221	479363.09	3865377.25	0.00833	2.45E-04	2.50E-04	2.50E-04
5222	479863.09	3865377.25	0.00843	2.48E-04	2.53E-04	2.53E-04
5223	480363.09	3865377.25	0.00849	2.50E-04	2.55E-04	2.55E-04
5224	480863.09	3865377.25	0.00857	2.53E-04	2.58E-04	2.57E-04
5225	481363.09	3865377.25	0.00868	2.56E-04	2.61E-04	2.61E-04

5226	481863.09	3865377.25	0.00875	2.58E-04	2.63E-04	2.63E-04
5227	482363.09	3865377.25	0.00881	2.60E-04	2.65E-04	2.65E-04
5228	482863.09	3865377.25	0.00888	2.62E-04	2.67E-04	2.67E-04
5229	483363.09	3865377.25	0.00905	2.67E-04	2.72E-04	2.72E-04
5230	483863.09	3865377.25	0.00931	2.74E-04	2.80E-04	2.80E-04
5231	484363.09	3865377.25	0.00964	2.84E-04	2.90E-04	2.90E-04
5232	484863.09	3865377.25	0.01002	2.95E-04	3.01E-04	3.01E-04
5233	485363.09	3865377.25	0.01041	3.07E-04	3.13E-04	3.13E-04
5234	485863.09	3865377.25	0.01074	3.16E-04	3.23E-04	3.23E-04
5235	486363.09	3865377.25	0.01102	3.25E-04	3.31E-04	3.31E-04
5236	486863.09	3865377.25	0.01129	3.33E-04	3.39E-04	3.39E-04
5237	487363.09	3865377.25	0.01162	3.42E-04	3.49E-04	3.49E-04
5238	487863.09	3865377.25	0.01187	3.50E-04	3.57E-04	3.56E-04
5239	488363.09	3865377.25	0.01208	3.56E-04	3.63E-04	3.63E-04
5240	488863.09	3865377.25	0.01224	3.61E-04	3.68E-04	3.68E-04
5241	489363.09	3865377.25	0.01226	3.61E-04	3.69E-04	3.68E-04
5242	489863.09	3865377.25	0.01226	3.61E-04	3.69E-04	3.68E-04
5243	490363.09	3865377.25	0.01189	3.50E-04	3.58E-04	3.57E-04
5244	490863.09	3865377.25	0.01134	3.34E-04	3.41E-04	3.41E-04
5245	491363.09	3865377.25	0.01099	3.24E-04	3.30E-04	3.30E-04
5246	491863.09	3865377.25	0.0109	3.21E-04	3.28E-04	3.27E-04
5247	492363.09	3865377.25	0.00868	2.56E-04	2.61E-04	2.61E-04
5248	492863.09	3865377.25	0.00675	1.99E-04	2.03E-04	2.03E-04
5249	493363.09	3865377.25	0.00567	1.67E-04	1.70E-04	1.70E-04
5250	493863.09	3865377.25	0.00766	2.26E-04	2.30E-04	2.30E-04
5251	494363.09	3865377.25	0.01004	2.96E-04	3.02E-04	3.02E-04
5252	494863.09	3865377.25	0.01105	3.26E-04	3.32E-04	3.32E-04
5253	495363.09	3865377.25	0.01153	3.40E-04	3.47E-04	3.46E-04
5254	495863.09	3865377.25	0.01205	3.55E-04	3.62E-04	3.62E-04
5255	496363.09	3865377.25	0.01197	3.53E-04	3.60E-04	3.59E-04
5256	496863.09	3865377.25	0.01193	3.52E-04	3.59E-04	3.58E-04
5257	497363.09	3865377.25	0.01161	3.42E-04	3.49E-04	3.49E-04
5258	497863.09	3865377.25	0.01116	3.29E-04	3.36E-04	3.35E-04
5259	498363.09	3865377.25	0.01097	3.23E-04	3.30E-04	3.29E-04
5260	471363.09	3865877.25	0.00615	1.81E-04	1.85E-04	1.85E-04
5261	471863.09	3865877.25	0.00628	1.85E-04	1.89E-04	1.89E-04
5262	472363.09	3865877.25	0.00642	1.89E-04	1.93E-04	1.93E-04
5263	472863.09	3865877.25	0.00652	1.92E-04	1.96E-04	1.96E-04
5264	473363.09	3865877.25	0.00662	1.95E-04	1.99E-04	1.99E-04
5265	473863.09	3865877.25	0.00675	1.99E-04	2.03E-04	2.03E-04
5266	474363.09	3865877.25	0.00687	2.02E-04	2.07E-04	2.06E-04
5267	474863.09	3865877.25	0.007	2.06E-04	2.10E-04	2.10E-04
5268	475363.09	3865877.25	0.0071	2.09E-04	2.13E-04	2.13E-04
5269	475863.09	3865877.25	0.00722	2.13E-04	2.17E-04	2.17E-04
5270	476363.09	3865877.25	0.00738	2.17E-04	2.22E-04	2.22E-04
5271	476863.09	3865877.25	0.00729	2.15E-04	2.19E-04	2.19E-04
5272	477363.09	3865877.25	0.00754	2.22E-04	2.27E-04	2.26E-04
5273	477863.09	3865877.25	0.00759	2.24E-04	2.28E-04	2.28E-04
5274	478363.09	3865877.25	0.00767	2.26E-04	2.31E-04	2.30E-04
5275	478863.09	3865877.25	0.00776	2.29E-04	2.33E-04	2.33E-04
5276	479363.09	3865877.25	0.00785	2.31E-04	2.36E-04	2.36E-04
5277	479863.09	3865877.25	0.0079	2.33E-04	2.38E-04	2.37E-04
5278	480363.09	3865877.25	0.00795	2.34E-04	2.39E-04	2.39E-04
5279	480863.09	3865877.25	0.00802	2.36E-04	2.41E-04	2.41E-04
5280	481363.09	3865877.25	0.00806	2.37E-04	2.42E-04	2.42E-04
5281	481863.09	3865877.25	0.0081	2.39E-04	2.44E-04	2.43E-04
5282	482363.09	3865877.25	0.00817	2.41E-04	2.46E-04	2.45E-04
5283	482863.09	3865877.25	0.00829	2.44E-04	2.49E-04	2.49E-04
5284	483363.09	3865877.25	0.00849	2.50E-04	2.55E-04	2.55E-04
5285	483863.09	3865877.25	0.00875	2.58E-04	2.63E-04	2.63E-04
5286	484363.09	3865877.25	0.00906	2.67E-04	2.72E-04	2.72E-04
5287	484863.09	3865877.25	0.00937	2.76E-04	2.82E-04	2.81E-04
5288	485363.09	3865877.25	0.00968	2.85E-04	2.91E-04	2.91E-04

5289	485863.09	3865877.25	0.00996	2.93E-04	2.99E-04	2.99E-04
5290	486363.09	3865877.25	0.01019	3.00E-04	3.06E-04	3.06E-04
5291	486863.09	3865877.25	0.0104	3.06E-04	3.13E-04	3.12E-04
5292	487363.09	3865877.25	0.01063	3.13E-04	3.20E-04	3.19E-04
5293	487863.09	3865877.25	0.01082	3.19E-04	3.25E-04	3.25E-04
5294	488363.09	3865877.25	0.01095	3.23E-04	3.29E-04	3.29E-04
5295	488863.09	3865877.25	0.01106	3.26E-04	3.33E-04	3.32E-04
5296	489363.09	3865877.25	0.0111	3.27E-04	3.34E-04	3.33E-04
5297	489863.09	3865877.25	0.01112	3.28E-04	3.34E-04	3.34E-04
5298	490363.09	3865877.25	0.01111	3.27E-04	3.34E-04	3.34E-04
5299	490863.09	3865877.25	0.01052	3.10E-04	3.16E-04	3.16E-04
5300	491363.09	3865877.25	0.00977	2.88E-04	2.94E-04	2.93E-04
5301	491863.09	3865877.25	0.00948	2.79E-04	2.85E-04	2.85E-04
5302	492363.09	3865877.25	0.00897	2.64E-04	2.70E-04	2.69E-04
5303	492863.09	3865877.25	0.0068	2.00E-04	2.04E-04	2.04E-04
5304	493363.09	3865877.25	0.00664	1.96E-04	2.00E-04	1.99E-04
5305	493863.09	3865877.25	0.00757	2.23E-04	2.28E-04	2.27E-04
5306	494363.09	3865877.25	0.00875	2.58E-04	2.63E-04	2.63E-04
5307	494863.09	3865877.25	0.01023	3.01E-04	3.08E-04	3.07E-04
5308	495363.09	3865877.25	0.01031	3.04E-04	3.10E-04	3.10E-04
5309	495863.09	3865877.25	0.01039	3.06E-04	3.12E-04	3.12E-04
5310	496363.09	3865877.25	0.01043	3.07E-04	3.14E-04	3.13E-04
5311	496863.09	3865877.25	0.01031	3.04E-04	3.10E-04	3.10E-04
5312	497363.09	3865877.25	0.01065	3.14E-04	3.20E-04	3.20E-04
5313	497863.09	3865877.25	0.01037	3.06E-04	3.12E-04	3.11E-04
5314	498363.09	3865877.25	0.00968	2.85E-04	2.91E-04	2.91E-04
5315	471363.09	3866377.25	0.00595	1.75E-04	1.79E-04	1.79E-04
5316	471863.09	3866377.25	0.00607	1.79E-04	1.83E-04	1.82E-04
5317	472363.09	3866377.25	0.00619	1.82E-04	1.86E-04	1.86E-04
5318	472863.09	3866377.25	0.00627	1.85E-04	1.89E-04	1.88E-04
5319	473363.09	3866377.25	0.00639	1.88E-04	1.92E-04	1.92E-04
5320	473863.09	3866377.25	0.00651	1.92E-04	1.96E-04	1.96E-04
5321	474363.09	3866377.25	0.00663	1.95E-04	1.99E-04	1.99E-04
5322	474863.09	3866377.25	0.00674	1.99E-04	2.03E-04	2.02E-04
5323	475363.09	3866377.25	0.00682	2.01E-04	2.05E-04	2.05E-04
5324	475863.09	3866377.25	0.00689	2.03E-04	2.07E-04	2.07E-04
5325	476363.09	3866377.25	0.00703	2.07E-04	2.11E-04	2.11E-04
5326	476863.09	3866377.25	0.00683	2.01E-04	2.05E-04	2.05E-04
5327	477363.09	3866377.25	0.0071	2.09E-04	2.13E-04	2.13E-04
5328	477863.09	3866377.25	0.0072	2.12E-04	2.16E-04	2.16E-04
5329	478363.09	3866377.25	0.00725	2.14E-04	2.18E-04	2.18E-04
5330	478863.09	3866377.25	0.00733	2.16E-04	2.20E-04	2.20E-04
5331	479363.09	3866377.25	0.0074	2.18E-04	2.23E-04	2.22E-04
5332	479863.09	3866377.25	0.00745	2.20E-04	2.24E-04	2.24E-04
5333	480363.09	3866377.25	0.00749	2.21E-04	2.25E-04	2.25E-04
5334	480863.09	3866377.25	0.00751	2.21E-04	2.26E-04	2.26E-04
5335	481363.09	3866377.25	0.00755	2.22E-04	2.27E-04	2.27E-04
5336	481863.09	3866377.25	0.00759	2.24E-04	2.28E-04	2.28E-04
5337	482363.09	3866377.25	0.00769	2.27E-04	2.31E-04	2.31E-04
5338	482863.09	3866377.25	0.00785	2.31E-04	2.36E-04	2.36E-04
5339	483363.09	3866377.25	0.00802	2.36E-04	2.41E-04	2.41E-04
5340	483863.09	3866377.25	0.00824	2.43E-04	2.48E-04	2.47E-04
5341	484363.09	3866377.25	0.00849	2.50E-04	2.55E-04	2.55E-04
5342	484863.09	3866377.25	0.00879	2.59E-04	2.64E-04	2.64E-04
5343	485363.09	3866377.25	0.00904	2.66E-04	2.72E-04	2.71E-04
5344	485863.09	3866377.25	0.00926	2.73E-04	2.78E-04	2.78E-04
5345	486363.09	3866377.25	0.00945	2.78E-04	2.84E-04	2.84E-04
5346	486863.09	3866377.25	0.00963	2.84E-04	2.90E-04	2.89E-04
5347	487363.09	3866377.25	0.00992	2.92E-04	2.98E-04	2.98E-04
5348	487863.09	3866377.25	0.01008	2.97E-04	3.03E-04	3.03E-04
5349	488363.09	3866377.25	0.01017	3.00E-04	3.06E-04	3.05E-04
5350	488863.09	3866377.25	0.01008	2.97E-04	3.03E-04	3.03E-04
5351	489363.09	3866377.25	0.00989	2.91E-04	2.97E-04	2.97E-04

5352	489863.09	3866377.25	0.00949	2.80E-04	2.85E-04	2.85E-04
5353	490363.09	3866377.25	0.01007	2.97E-04	3.03E-04	3.02E-04
5354	490863.09	3866377.25	0.00997	2.94E-04	3.00E-04	2.99E-04
5355	491363.09	3866377.25	0.00977	2.88E-04	2.94E-04	2.93E-04
5356	491863.09	3866377.25	0.00823	2.43E-04	2.47E-04	2.47E-04
5357	492363.09	3866377.25	0.00836	2.46E-04	2.51E-04	2.51E-04
5358	492863.09	3866377.25	0.00738	2.17E-04	2.22E-04	2.22E-04
5359	493363.09	3866377.25	0.00771	2.27E-04	2.32E-04	2.32E-04
5360	493863.09	3866377.25	0.00819	2.41E-04	2.46E-04	2.46E-04
5361	494363.09	3866377.25	0.0089	2.62E-04	2.68E-04	2.67E-04
5362	494863.09	3866377.25	0.00885	2.61E-04	2.66E-04	2.66E-04
5363	495363.09	3866377.25	0.00878	2.59E-04	2.64E-04	2.64E-04
5364	495863.09	3866377.25	0.00868	2.56E-04	2.61E-04	2.61E-04
5365	496363.09	3866377.25	0.00883	2.60E-04	2.66E-04	2.65E-04
5366	496863.09	3866377.25	0.00872	2.57E-04	2.62E-04	2.62E-04
5367	497363.09	3866377.25	0.00892	2.63E-04	2.68E-04	2.68E-04
5368	497863.09	3866377.25	0.00929	2.74E-04	2.79E-04	2.79E-04
5369	498363.09	3866377.25	0.00811	2.39E-04	2.44E-04	2.44E-04
5370	474494.92	3848334.16	3.03162	8.93E-02	9.12E-02	9.10E-02
5371	475167.27	3848920.79	3.36147	9.91E-02	1.01E-01	1.01E-01
5372	475297.89	3848997.96	3.44912	1.02E-01	1.04E-01	1.04E-01
5373	475439.05	3849062	3.43186	1.01E-01	1.03E-01	1.03E-01
5374	475486.86	3849061.09	2.68247	7.90E-02	8.07E-02	8.06E-02
5375	475538.46	3849075.56	2.65233	7.82E-02	7.98E-02	7.97E-02
5376	475751.79	3849137.15	3.55027	1.05E-01	1.07E-01	1.07E-01
5377	476303.62	3849223.38	4.05125	1.19E-01	1.22E-01	1.22E-01
5378	476304.51	3849238.92	3.86398	1.14E-01	1.16E-01	1.16E-01
5379	476365.04	3849247.98	3.78093	1.11E-01	1.14E-01	1.14E-01
5380	476444.86	3849267.13	3.88839	1.15E-01	1.17E-01	1.17E-01
5381	476550.75	3849300.66	4.15397	1.22E-01	1.25E-01	1.25E-01
5382	476656.71	3849346.88	4.25234	1.25E-01	1.28E-01	1.28E-01
5383	476873.55	3849454.53	3.88465	1.14E-01	1.17E-01	1.17E-01
5384	477700	3849859.7	2.74322	8.08E-02	8.25E-02	8.24E-02
5385	477743.16	3849856.38	3.84794	1.13E-01	1.16E-01	1.16E-01
5386	478477.35	3850216.33	3.57311	1.05E-01	1.07E-01	1.07E-01
5387	478485.8	3850201.6	3.3177	9.78E-02	9.98E-02	9.96E-02
5388	479113.21	3850501.53	3.08636	9.09E-02	9.28E-02	9.27E-02
5389	479108.11	3850382.28	1.51283	4.46E-02	4.55E-02	4.54E-02
5390	479689.85	3850674.28	1.60546	4.73E-02	4.83E-02	4.82E-02
5391	479952.42	3850774.28	1.43348	4.22E-02	4.31E-02	4.31E-02
5392	479911.32	3850884.85	3.12193	9.20E-02	9.39E-02	9.38E-02
5393	480500.92	3851178.12	3.34846	9.87E-02	1.01E-01	1.01E-01
5394	480738.01	3851289.27	3.20915	9.46E-02	9.65E-02	9.64E-02
5395	481055.42	3851443.58	3.20804	9.45E-02	9.65E-02	9.63E-02
5396	481110.22	3851443.15	2.48406	7.32E-02	7.47E-02	7.46E-02
5397	481111.1	3851417.45	2.09507	6.17E-02	6.30E-02	6.29E-02
5398	482248.44	3852605.09	3.06273	9.02E-02	9.21E-02	9.20E-02
5399	482273.34	3852632.31	3.16487	9.33E-02	9.52E-02	9.50E-02
5400	482665.46	3853038.72	2.61859	7.72E-02	7.87E-02	7.86E-02
5401	483077.95	3853844.31	0.12856	3.79E-03	3.87E-03	3.86E-03
5402	483121.38	3853909.38	0.11448	3.37E-03	3.44E-03	3.44E-03
5403	483492.64	3853911.49	0.11309	3.33E-03	3.40E-03	3.40E-03
5404	483498.29	3854204.73	0.07963	2.35E-03	2.39E-03	2.39E-03
5405	484132.44	3854662.55	0.04699	1.38E-03	1.41E-03	1.41E-03
5406	484627.62	3854876.13	0.04527	1.33E-03	1.36E-03	1.36E-03
5407	484756.14	3854949.04	0.04474	1.32E-03	1.35E-03	1.34E-03
5408	486697.51	3856599.17	0.03017	8.89E-04	9.07E-04	9.06E-04
5409	487105.31	3856962.27	0.03089	9.10E-04	9.29E-04	9.28E-04
5410	487157.57	3856901.7	0.03095	9.12E-04	9.31E-04	9.30E-04
5411	487173.5	3856853.74	0.03084	9.09E-04	9.27E-04	9.26E-04
5412	487564.41	3856860.83	0.03064	9.03E-04	9.21E-04	9.20E-04
5413	487563.31	3856931.58	0.0309	9.11E-04	9.29E-04	9.28E-04
5414	487782.7	3856926.85	0.03115	9.18E-04	9.37E-04	9.36E-04

5415	487782.39	3856757.07	0.03076	9.06E-04	9.25E-04	9.24E-04
5416	487917.26	3856752.41	0.0309	9.11E-04	9.29E-04	9.28E-04
5417	487919.57	3856953.35	0.03154	9.29E-04	9.48E-04	9.47E-04
5418	487932.76	3857000.32	0.03164	9.32E-04	9.51E-04	9.50E-04
5419	487960.5	3857044.75	0.03181	9.37E-04	9.56E-04	9.55E-04
5420	488016.54	3857089.54	0.03205	9.44E-04	9.64E-04	9.63E-04
5421	488114.39	3857165.47	0.03258	9.60E-04	9.80E-04	9.78E-04
5422	488171.49	3857234.24	0.03318	9.78E-04	9.98E-04	9.96E-04
5423	488193.16	3857297.8	0.03385	9.97E-04	1.02E-03	1.02E-03
5424	488189.27	3857649.94	0.03863	1.14E-03	1.16E-03	1.16E-03
5425	488127.43	3857732.32	0.03981	1.17E-03	1.20E-03	1.20E-03
5426	488149.93	3857752.94	0.04022	1.19E-03	1.21E-03	1.21E-03
5427	488144.76	3857758.71	0.04029	1.19E-03	1.21E-03	1.21E-03
5428	488335.58	3857932.55	0.04622	1.36E-03	1.39E-03	1.39E-03
5429	488372.29	3857943.79	0.04686	1.38E-03	1.41E-03	1.41E-03
5430	488828.64	3857936.4	0.04834	1.42E-03	1.45E-03	1.45E-03
5431	488829.08	3857959.58	0.04908	1.45E-03	1.48E-03	1.47E-03
5432	488351.61	3857964.55	0.04742	1.40E-03	1.43E-03	1.42E-03
5433	488316.87	3857947.65	0.04654	1.37E-03	1.40E-03	1.40E-03
5434	488129.1	3857775.77	0.04053	1.19E-03	1.22E-03	1.22E-03
5435	488062.53	3857846.13	0.0417	1.23E-03	1.25E-03	1.25E-03
5436	488330.41	3858091.34	0.05131	1.51E-03	1.54E-03	1.54E-03
5437	488470.87	3858174.45	0.05745	1.69E-03	1.73E-03	1.73E-03
5438	488568.9	3858262.31	0.06424	1.89E-03	1.93E-03	1.93E-03
5439	488964.27	3858025.71	0.05167	1.52E-03	1.55E-03	1.55E-03
5440	489147.25	3857956.64	0.0479	1.41E-03	1.44E-03	1.44E-03
5441	489343.52	3857932.45	0.04433	1.31E-03	1.33E-03	1.33E-03
5442	489866.19	3857923.19	0.04055	1.19E-03	1.22E-03	1.22E-03
5443	489955.65	3857902.27	0.03933	1.16E-03	1.18E-03	1.18E-03
5444	490079.44	3857847.9	0.03836	1.13E-03	1.15E-03	1.15E-03
5445	490108.49	3857934.13	0.04041	1.19E-03	1.22E-03	1.21E-03
5446	489884.48	3858014.17	0.04359	1.28E-03	1.31E-03	1.31E-03
5447	489326.56	3858025.86	0.04826	1.42E-03	1.45E-03	1.45E-03
5448	489130.38	3858056.71	0.05142	1.52E-03	1.55E-03	1.54E-03
5449	488936.49	3858143.93	0.0572	1.69E-03	1.72E-03	1.72E-03
5450	488638.08	3858327.45	0.06982	2.06E-03	2.10E-03	2.10E-03
5451	488663.79	3858349.57	0.07201	2.12E-03	2.17E-03	2.16E-03
5452	488694.56	3858349.5	0.07219	2.13E-03	2.17E-03	2.17E-03
5453	488694.35	3858336.75	0.07096	2.09E-03	2.13E-03	2.13E-03
5454	488712.81	3858336.38	0.07105	2.09E-03	2.14E-03	2.13E-03
5455	488713.23	3858367.46	0.07415	2.18E-03	2.23E-03	2.23E-03
5456	488704.63	3858384.05	0.07586	2.24E-03	2.28E-03	2.28E-03
5457	488604.15	3858488.29	0.08784	2.59E-03	2.64E-03	2.64E-03
5458	488605.66	3858550.47	0.09747	2.87E-03	2.93E-03	2.93E-03
5459	488692.68	3858548.71	0.10071	2.97E-03	3.03E-03	3.02E-03
5460	488759.93	3858461.81	0.08644	2.55E-03	2.60E-03	2.60E-03
5461	488816.57	3858541.79	0.1018	3.00E-03	3.06E-03	3.06E-03
5462	488944.63	3858656.77	0.13793	4.06E-03	4.15E-03	4.14E-03
5463	489134.91	3858830.7	0.43964	1.30E-02	1.32E-02	1.32E-02
5464	489193.99	3858886.05	0.69449	2.05E-02	2.09E-02	2.09E-02
5465	489295.2	3858954.34	0.92255	2.72E-02	2.77E-02	2.77E-02
5466	489295.64	3858992.74	1.16994	3.45E-02	3.52E-02	3.51E-02
5467	489183.74	3858911.72	0.88105	2.60E-02	2.65E-02	2.65E-02
5468	488873.37	3858625.59	0.1258	3.71E-03	3.78E-03	3.78E-03
5469	488842.84	3858658.69	0.13849	4.08E-03	4.16E-03	4.16E-03
5470	488856.39	3858670.93	0.14448	4.26E-03	4.34E-03	4.34E-03
5471	488805.7	3858724.5	0.17448	5.14E-03	5.25E-03	5.24E-03
5472	488805.87	3858804.16	0.27032	7.97E-03	8.13E-03	8.12E-03
5473	488995.78	3858936.96	2.48079	7.31E-02	7.46E-02	7.45E-02
5474	489130.76	3859017.38	2.78393	8.20E-02	8.37E-02	8.36E-02
5475	489130.92	3859052.24	2.4599	7.25E-02	7.40E-02	7.39E-02
5476	489200.33	3859090.6	3.13071	9.23E-02	9.41E-02	9.40E-02
5477	489296.07	3859143.7	3.37285	9.94E-02	1.01E-01	1.01E-01

5478	489296.43	3858954.74	0.92228	2.72E-02	2.77E-02	2.77E-02
5479	489410.33	3859033.19	1.09406	3.22E-02	3.29E-02	3.29E-02
5480	489371.37	3859089.8	1.68416	4.96E-02	5.06E-02	5.06E-02
5481	489390.52	3859102.82	1.7185	5.06E-02	5.17E-02	5.16E-02
5482	489382.3	3859114.53	1.917	5.65E-02	5.76E-02	5.76E-02
5483	489363.04	3859102.45	1.88905	5.57E-02	5.68E-02	5.67E-02
5484	489337.52	3859140.71	2.91013	8.58E-02	8.75E-02	8.74E-02
5485	489375.14	3859164.55	3.07274	9.05E-02	9.24E-02	9.23E-02
5486	489409.3	3859114.5	1.74303	5.14E-02	5.24E-02	5.23E-02
5487	489434.87	3859131.81	1.79722	5.30E-02	5.40E-02	5.40E-02
5488	489471.87	3859075.75	1.17188	3.45E-02	3.52E-02	3.52E-02
5489	489602.62	3859164.69	1.34196	3.95E-02	4.04E-02	4.03E-02
5490	489558.29	3859232.45	2.38352	7.02E-02	7.17E-02	7.16E-02
5491	489620.11	3859273.56	2.56301	7.55E-02	7.71E-02	7.70E-02
5492	489666.06	3859206.42	1.41795	4.18E-02	4.26E-02	4.26E-02
5493	489787.9	3859285.65	1.55362	4.58E-02	4.67E-02	4.67E-02
5494	489752.17	3859343.13	2.55557	7.53E-02	7.68E-02	7.68E-02
5495	489814.94	3859385.33	2.75645	8.12E-02	8.29E-02	8.28E-02
5496	489853.42	3859330.74	1.64976	4.86E-02	4.96E-02	4.95E-02
5497	489969.5	3859401.91	1.75034	5.16E-02	5.26E-02	5.26E-02
5498	490166.91	3859486.96	1.6252	4.79E-02	4.89E-02	4.88E-02
5499	490128.86	3859571.46	3.77569	1.11E-01	1.14E-01	1.13E-01
5500	490186.65	3859593.65	3.83973	1.13E-01	1.15E-01	1.15E-01
5501	490223.74	3859517.48	1.6826	4.96E-02	5.06E-02	5.05E-02
5502	490846.34	3859817.22	2.49196	7.34E-02	7.49E-02	7.48E-02
5503	490925.65	3859844.59	2.31012	6.81E-02	6.95E-02	6.94E-02
5504	491159.29	3859896.28	1.678	4.94E-02	5.05E-02	5.04E-02
5505	491370.69	3859960.89	1.25795	3.71E-02	3.78E-02	3.78E-02
5506	491330.28	3860063.17	1.98585	5.85E-02	5.97E-02	5.96E-02
5507	491636.45	3860180.75	1.26186	3.72E-02	3.79E-02	3.79E-02
5508	491617.94	3860203.93	1.42517	4.20E-02	4.29E-02	4.28E-02
5509	491805.68	3860271.59	1.11085	3.27E-02	3.34E-02	3.34E-02
5510	491654.23	3860414.02	1.93323	5.70E-02	5.81E-02	5.81E-02
5511	491592.62	3860510.76	0.65984	1.94E-02	1.98E-02	1.98E-02
5512	491475.41	3860368.93	1.01554	2.99E-02	3.05E-02	3.05E-02
5513	491445.61	3860337.28	1.1126	3.28E-02	3.35E-02	3.34E-02
5514	491399.05	3860300.37	1.16676	3.44E-02	3.51E-02	3.50E-02
5515	491228.84	3860235.98	0.78868	2.32E-02	2.37E-02	2.37E-02
5516	491228.47	3860174.57	1.24363	3.66E-02	3.74E-02	3.73E-02
5517	491145.77	3860112.55	1.27821	3.77E-02	3.84E-02	3.84E-02
5518	490844.41	3859966.22	1.21866	3.59E-02	3.66E-02	3.66E-02
5519	490845.55	3859928.15	1.93807	5.71E-02	5.83E-02	5.82E-02
5520	490046.91	3859625.6	1.49387	4.40E-02	4.49E-02	4.49E-02
5521	489970.48	3859589.4	1.49397	4.40E-02	4.49E-02	4.49E-02
5522	489865.89	3859529.06	1.58832	4.68E-02	4.78E-02	4.77E-02
5523	489826.89	3859531.74	1.224	3.61E-02	3.68E-02	3.68E-02
5524	489410.47	3859303.06	1.17898	3.47E-02	3.54E-02	3.54E-02
5525	489407.15	3859286.09	1.38886	4.09E-02	4.18E-02	4.17E-02
5526	488806.07	3858963.62	0.55568	1.64E-02	1.67E-02	1.67E-02
5527	488817.64	3859546.3	0.16855	4.97E-03	5.07E-03	5.06E-03
5528	489187.25	3859549.52	0.26344	7.76E-03	7.92E-03	7.91E-03
5529	489187.66	3859523.74	0.27769	8.18E-03	8.35E-03	8.34E-03
5530	489232.59	3859522.85	0.29849	8.80E-03	8.98E-03	8.96E-03
5531	489224.98	3859759.91	0.19339	5.70E-03	5.81E-03	5.81E-03
5532	488401.39	3859763.34	0.09289	2.74E-03	2.79E-03	2.79E-03
5533	488405.51	3859966.16	0.08271	2.44E-03	2.49E-03	2.48E-03
5534	489202.85	3859956.57	0.14841	4.37E-03	4.46E-03	4.46E-03
5535	489191.9	3860676.74	0.0763	2.25E-03	2.29E-03	2.29E-03
5536	488392.82	3860687.88	0.05629	1.66E-03	1.69E-03	1.69E-03
5537	488392.82	3860760.27	0.05468	1.61E-03	1.64E-03	1.64E-03
5538	487549.05	3860777.45	0.03937	1.16E-03	1.18E-03	1.18E-03
5539	487554.62	3859571.83	0.05587	1.65E-03	1.68E-03	1.68E-03
5540	485949.46	3859558.54	0.02927	8.62E-04	8.80E-04	8.79E-04

5541	485947.55	3857943.61	0.02957	8.71E-04	8.89E-04	8.88E-04
5542	484738.38	3857940.21	0.02631	7.75E-04	7.91E-04	7.90E-04
5543	484737.06	3857535.68	0.02618	7.71E-04	7.87E-04	7.86E-04
5544	483730.2	3857530.13	0.02524	7.44E-04	7.59E-04	7.58E-04
5545	483727.27	3857130.01	0.02601	7.66E-04	7.82E-04	7.81E-04
5546	483124.42	3857123.45	0.02549	7.51E-04	7.66E-04	7.66E-04
5547	483111.13	3855921.03	0.03334	9.82E-04	1.00E-03	1.00E-03
5548	482701.73	3855918.24	0.03305	9.74E-04	9.94E-04	9.93E-04
5549	482668.02	3853521.78	0.33284	9.81E-03	1.00E-02	1.00E-02
5550	482579.91	3853219.19	0.66694	1.97E-02	2.01E-02	2.00E-02
5551	482434.06	3852961.94	0.9139	2.69E-02	2.75E-02	2.74E-02
5552	482332.11	3852832.85	1.05547	3.11E-02	3.17E-02	3.17E-02
5553	481334.99	3851818.96	1.0575	3.12E-02	3.18E-02	3.18E-02
5554	481127.62	3851646.36	1.11443	3.28E-02	3.35E-02	3.35E-02
5555	481025.04	3851591.73	1.04174	3.07E-02	3.13E-02	3.13E-02
5556	480513.6	3851335.76	1.04373	3.08E-02	3.14E-02	3.13E-02
5557	480523.56	3851317.66	1.22609	3.61E-02	3.69E-02	3.68E-02
5558	476921.56	3849569.11	1.29756	3.82E-02	3.90E-02	3.90E-02
5559	476521.19	3849373.96	1.72807	5.09E-02	5.20E-02	5.19E-02
5560	476391.45	3849333.38	1.77023	5.22E-02	5.32E-02	5.32E-02
5561	476219.41	3849304.29	1.69056	4.98E-02	5.08E-02	5.08E-02
5562	475679.11	3849218.47	1.48862	4.39E-02	4.48E-02	4.47E-02
5563	475677.71	3849233.88	1.22819	3.62E-02	3.69E-02	3.69E-02
5564	475492.74	3849204.66	0.78153	2.30E-02	2.35E-02	2.35E-02
5565	475497.64	3849158.75	1.90732	5.62E-02	5.73E-02	5.73E-02
5566	475391.35	3849141.94	1.30262	3.84E-02	3.92E-02	3.91E-02
5567	475277	3849095.47	1.12273	3.31E-02	3.38E-02	3.37E-02
5568	475183.93	3849025.66	1.29314	3.81E-02	3.89E-02	3.88E-02
5569	474453.23	3848378.77	1.47362	4.34E-02	4.43E-02	4.43E-02
5570	474569.63	3848399.34	2.8156	8.30E-02	8.47E-02	8.46E-02
5571	474644.33	3848464.52	2.6013	7.67E-02	7.82E-02	7.81E-02
5572	474719.04	3848529.7	3.38839	9.98E-02	1.02E-01	1.02E-01
5573	474793.74	3848594.88	2.89637	8.53E-02	8.71E-02	8.70E-02
5574	474868.45	3848660.07	3.35253	9.88E-02	1.01E-01	1.01E-01
5575	474943.15	3848725.25	3.34227	9.85E-02	1.00E-01	1.00E-01
5576	475017.86	3848790.43	3.3682	9.92E-02	1.01E-01	1.01E-01
5577	475092.56	3848855.61	3.36711	9.92E-02	1.01E-01	1.01E-01
5578	475232.58	3848959.38	3.24463	9.56E-02	9.76E-02	9.74E-02
5579	475368.47	3849029.98	3.31804	9.78E-02	9.98E-02	9.96E-02
5580	475609.57	3849096.09	2.79471	8.23E-02	8.40E-02	8.39E-02
5581	475680.68	3849116.62	3.09401	9.12E-02	9.30E-02	9.29E-02
5582	475843.76	3849151.52	3.70198	1.09E-01	1.11E-01	1.11E-01
5583	475935.73	3849165.89	3.54769	1.05E-01	1.07E-01	1.07E-01
5584	476027.71	3849180.27	3.59591	1.06E-01	1.08E-01	1.08E-01
5585	476119.68	3849194.64	4.05406	1.19E-01	1.22E-01	1.22E-01
5586	476211.65	3849209.01	4.21855	1.24E-01	1.27E-01	1.27E-01
5587	476497.8	3849283.9	3.9298	1.16E-01	1.18E-01	1.18E-01
5588	476603.73	3849323.77	4.19453	1.24E-01	1.26E-01	1.26E-01
5589	476728.99	3849382.76	3.26783	9.63E-02	9.83E-02	9.81E-02
5590	476801.27	3849418.65	3.43165	1.01E-01	1.03E-01	1.03E-01
5591	476956.2	3849495.05	3.72729	1.10E-01	1.12E-01	1.12E-01
5592	477038.84	3849535.56	3.49886	1.03E-01	1.05E-01	1.05E-01
5593	477121.48	3849576.08	3.43318	1.01E-01	1.03E-01	1.03E-01
5594	477204.13	3849616.6	3.34142	9.85E-02	1.00E-01	1.00E-01
5595	477286.78	3849657.12	3.12064	9.20E-02	9.38E-02	9.37E-02
5596	477369.42	3849697.63	3.03281	8.94E-02	9.12E-02	9.11E-02
5597	477452.07	3849738.15	3.08789	9.10E-02	9.28E-02	9.27E-02
5598	477534.71	3849778.67	2.95667	8.71E-02	8.89E-02	8.88E-02
5599	477617.35	3849819.18	2.94108	8.67E-02	8.84E-02	8.83E-02
5600	477824.74	3849896.37	3.70228	1.09E-01	1.11E-01	1.11E-01
5601	477906.31	3849936.37	3.96435	1.17E-01	1.19E-01	1.19E-01
5602	477987.89	3849976.36	3.85189	1.14E-01	1.16E-01	1.16E-01
5603	478069.47	3850016.36	4.00601	1.18E-01	1.20E-01	1.20E-01

5604	478151.04	3850056.35	3.58095	1.06E-01	1.08E-01	1.08E-01
5605	478232.62	3850096.35	3.59836	1.06E-01	1.08E-01	1.08E-01
5606	478314.2	3850136.34	3.58823	1.06E-01	1.08E-01	1.08E-01
5607	478395.77	3850176.34	3.56486	1.05E-01	1.07E-01	1.07E-01
5608	478575.43	3850244.45	3.26792	9.63E-02	9.83E-02	9.81E-02
5609	478665.06	3850287.29	3.24599	9.56E-02	9.76E-02	9.75E-02
5610	478754.69	3850330.14	3.21427	9.47E-02	9.66E-02	9.65E-02
5611	478844.32	3850372.99	3.14056	9.25E-02	9.44E-02	9.43E-02
5612	478933.95	3850415.84	3.03616	8.95E-02	9.13E-02	9.12E-02
5613	479023.58	3850458.68	3.14645	9.27E-02	9.46E-02	9.45E-02
5614	479110.66	3850441.9	1.99168	5.87E-02	5.99E-02	5.98E-02
5615	479191.22	3850423.99	1.51718	4.47E-02	4.56E-02	4.56E-02
5616	479274.32	3850465.71	1.54177	4.54E-02	4.64E-02	4.63E-02
5617	479357.43	3850507.42	1.57395	4.64E-02	4.73E-02	4.73E-02
5618	479440.53	3850549.14	1.58192	4.66E-02	4.76E-02	4.75E-02
5619	479523.64	3850590.85	1.58587	4.67E-02	4.77E-02	4.76E-02
5620	479606.74	3850632.57	1.59786	4.71E-02	4.80E-02	4.80E-02
5621	479777.37	3850707.61	1.53842	4.53E-02	4.63E-02	4.62E-02
5622	479864.9	3850740.95	1.48558	4.38E-02	4.47E-02	4.46E-02
5623	479931.87	3850829.56	1.94052	5.72E-02	5.83E-02	5.83E-02
5624	479995.55	3850926.75	3.09817	9.13E-02	9.32E-02	9.30E-02
5625	480079.78	3850968.64	3.09235	9.11E-02	9.30E-02	9.29E-02
5626	480164.01	3851010.54	3.07912	9.07E-02	9.26E-02	9.25E-02
5627	480248.23	3851052.43	3.0465	8.98E-02	9.16E-02	9.15E-02
5628	480332.46	3851094.33	3.08321	9.09E-02	9.27E-02	9.26E-02
5629	480416.69	3851136.22	3.24205	9.55E-02	9.75E-02	9.74E-02
5630	480579.95	3851215.17	3.3106	9.76E-02	9.95E-02	9.94E-02
5631	480658.98	3851252.22	3.27737	9.66E-02	9.85E-02	9.84E-02
5632	480817.36	3851327.85	3.23817	9.54E-02	9.74E-02	9.73E-02
5633	480896.72	3851366.42	3.25531	9.59E-02	9.79E-02	9.78E-02
5634	480976.07	3851405	3.24901	9.57E-02	9.77E-02	9.76E-02
5635	481178	3851487.31	2.44209	7.20E-02	7.34E-02	7.33E-02
5636	481244.9	3851557.17	2.7024	7.96E-02	8.13E-02	8.12E-02
5637	481311.81	3851627.03	2.99418	8.82E-02	9.00E-02	8.99E-02
5638	481378.71	3851696.89	3.05157	8.99E-02	9.18E-02	9.16E-02
5639	481445.61	3851766.76	3.19102	9.40E-02	9.59E-02	9.58E-02
5640	481512.51	3851836.62	3.20691	9.45E-02	9.64E-02	9.63E-02
5641	481579.42	3851906.48	3.17256	9.35E-02	9.54E-02	9.53E-02
5642	481646.32	3851976.34	3.17095	9.34E-02	9.53E-02	9.52E-02
5643	481713.22	3852046.2	3.14733	9.27E-02	9.46E-02	9.45E-02
5644	481780.12	3852116.06	3.15832	9.31E-02	9.50E-02	9.49E-02
5645	481847.03	3852185.92	3.16074	9.31E-02	9.50E-02	9.49E-02
5646	481913.93	3852255.78	3.14067	9.25E-02	9.44E-02	9.43E-02
5647	481980.83	3852325.65	2.97943	8.78E-02	8.96E-02	8.95E-02
5648	482047.73	3852395.51	3.0365	8.95E-02	9.13E-02	9.12E-02
5649	482114.64	3852465.37	2.92192	8.61E-02	8.79E-02	8.78E-02
5650	482181.54	3852535.23	3.02707	8.92E-02	9.10E-02	9.09E-02
5651	482338.69	3852700.04	3.07879	9.07E-02	9.26E-02	9.25E-02
5652	482404.05	3852767.78	3.05966	9.02E-02	9.20E-02	9.19E-02
5653	482469.4	3852835.52	3.09467	9.12E-02	9.31E-02	9.29E-02
5654	482534.75	3852903.25	3.07121	9.05E-02	9.23E-02	9.22E-02
5655	482600.11	3852970.98	2.85418	8.41E-02	8.58E-02	8.57E-02
5656	482706.71	3853119.28	2.66569	7.85E-02	8.02E-02	8.01E-02
5657	482747.96	3853199.84	2.69871	7.95E-02	8.11E-02	8.10E-02
5658	482789.21	3853280.4	2.49666	7.36E-02	7.51E-02	7.50E-02
5659	482830.46	3853360.96	2.25117	6.63E-02	6.77E-02	6.76E-02
5660	482871.71	3853441.52	1.87931	5.54E-02	5.65E-02	5.64E-02
5661	482912.95	3853522.07	0.52214	1.54E-02	1.57E-02	1.57E-02
5662	482954.2	3853602.63	0.26903	7.93E-03	8.09E-03	8.08E-03
5663	482995.45	3853683.19	0.19364	5.71E-03	5.82E-03	5.82E-03
5664	483036.7	3853763.75	0.15478	4.56E-03	4.65E-03	4.65E-03
5665	483214.2	3853909.91	0.11222	3.31E-03	3.37E-03	3.37E-03
5666	483307.01	3853910.44	0.11373	3.35E-03	3.42E-03	3.42E-03

5667	483399.83	3853910.96	0.1133	3.34E-03	3.41E-03	3.40E-03
5668	483494.52	3854009.24	0.09959	2.93E-03	2.99E-03	2.99E-03
5669	483496.41	3854106.98	0.08915	2.63E-03	2.68E-03	2.68E-03
5670	483577.56	3854261.96	0.07421	2.19E-03	2.23E-03	2.23E-03
5671	483656.83	3854319.19	0.06912	2.04E-03	2.08E-03	2.08E-03
5672	483736.1	3854376.41	0.06437	1.90E-03	1.94E-03	1.93E-03
5673	483815.36	3854433.64	0.06006	1.77E-03	1.81E-03	1.80E-03
5674	483894.63	3854490.87	0.05592	1.65E-03	1.68E-03	1.68E-03
5675	483973.9	3854548.1	0.05224	1.54E-03	1.57E-03	1.57E-03
5676	484053.17	3854605.32	0.04958	1.46E-03	1.49E-03	1.49E-03
5677	484214.97	3854698.15	0.04658	1.37E-03	1.40E-03	1.40E-03
5678	484297.5	3854733.74	0.04675	1.38E-03	1.41E-03	1.40E-03
5679	484380.03	3854769.34	0.04605	1.36E-03	1.38E-03	1.38E-03
5680	484462.56	3854804.94	0.04603	1.36E-03	1.38E-03	1.38E-03
5681	484545.09	3854840.53	0.04515	1.33E-03	1.36E-03	1.36E-03
5682	484691.88	3854912.58	0.04507	1.33E-03	1.36E-03	1.35E-03
5683	484830.81	3855012.51	0.0441	1.30E-03	1.33E-03	1.32E-03
5684	484905.48	3855075.97	0.04383	1.29E-03	1.32E-03	1.32E-03
5685	484980.14	3855139.44	0.04314	1.27E-03	1.30E-03	1.30E-03
5686	485054.81	3855202.91	0.04217	1.24E-03	1.27E-03	1.27E-03
5687	485129.48	3855266.37	0.0409	1.21E-03	1.23E-03	1.23E-03
5688	485204.15	3855329.84	0.04032	1.19E-03	1.21E-03	1.21E-03
5689	485278.82	3855393.31	0.03944	1.16E-03	1.19E-03	1.18E-03
5690	485353.48	3855456.77	0.03875	1.14E-03	1.17E-03	1.16E-03
5691	485428.15	3855520.24	0.03795	1.12E-03	1.14E-03	1.14E-03
5692	485502.82	3855583.71	0.03722	1.10E-03	1.12E-03	1.12E-03
5693	485577.49	3855647.17	0.0367	1.08E-03	1.10E-03	1.10E-03
5694	485652.16	3855710.64	0.0362	1.07E-03	1.09E-03	1.09E-03
5695	485726.83	3855774.1	0.03559	1.05E-03	1.07E-03	1.07E-03
5696	485801.49	3855837.57	0.03495	1.03E-03	1.05E-03	1.05E-03
5697	485876.16	3855901.04	0.03441	1.01E-03	1.03E-03	1.03E-03
5698	485950.83	3855964.5	0.03386	9.98E-04	1.02E-03	1.02E-03
5699	486025.5	3856027.97	0.03326	9.80E-04	1.00E-03	9.99E-04
5700	486100.17	3856091.44	0.03304	9.74E-04	9.93E-04	9.92E-04
5701	486174.83	3856154.9	0.03247	9.57E-04	9.76E-04	9.75E-04
5702	486249.5	3856218.37	0.03165	9.33E-04	9.52E-04	9.51E-04
5703	486324.17	3856281.84	0.0309	9.11E-04	9.29E-04	9.28E-04
5704	486398.84	3856345.3	0.03069	9.04E-04	9.23E-04	9.22E-04
5705	486473.51	3856408.77	0.03037	8.95E-04	9.13E-04	9.12E-04
5706	486548.17	3856472.24	0.03025	8.91E-04	9.10E-04	9.08E-04
5707	486622.84	3856535.7	0.03017	8.89E-04	9.07E-04	9.06E-04
5708	486765.48	3856659.69	0.03026	8.92E-04	9.10E-04	9.09E-04
5709	486833.44	3856720.2	0.03029	8.93E-04	9.11E-04	9.10E-04
5710	486901.41	3856780.72	0.03042	8.96E-04	9.15E-04	9.14E-04
5711	486969.38	3856841.24	0.03054	9.00E-04	9.18E-04	9.17E-04
5712	487037.34	3856901.75	0.0307	9.05E-04	9.23E-04	9.22E-04
5713	487271.23	3856855.51	0.03074	9.06E-04	9.24E-04	9.23E-04
5714	487368.96	3856857.29	0.03065	9.03E-04	9.22E-04	9.20E-04
5715	487466.68	3856859.06	0.03065	9.03E-04	9.22E-04	9.20E-04
5716	487636.44	3856930	0.03089	9.10E-04	9.29E-04	9.28E-04
5717	487709.57	3856928.43	0.03102	9.14E-04	9.33E-04	9.32E-04
5718	487782.54	3856841.96	0.03091	9.11E-04	9.29E-04	9.28E-04
5719	487849.83	3856754.74	0.03083	9.08E-04	9.27E-04	9.26E-04
5720	487918.03	3856819.39	0.03111	9.17E-04	9.35E-04	9.34E-04
5721	487918.8	3856886.37	0.03136	9.24E-04	9.43E-04	9.42E-04
5722	488065.47	3857127.5	0.03234	9.53E-04	9.72E-04	9.71E-04
5723	488192.19	3857385.83	0.03471	1.02E-03	1.04E-03	1.04E-03
5724	488191.22	3857473.87	0.03582	1.06E-03	1.08E-03	1.08E-03
5725	488190.24	3857561.9	0.03713	1.09E-03	1.12E-03	1.12E-03
5726	488158.35	3857691.13	0.03925	1.16E-03	1.18E-03	1.18E-03
5727	488208.37	3857816.66	0.04201	1.24E-03	1.26E-03	1.26E-03
5728	488271.97	3857874.6	0.04372	1.29E-03	1.31E-03	1.31E-03
5729	488463.56	3857942.31	0.04722	1.39E-03	1.42E-03	1.42E-03

5730	488554.83	3857940.83	0.04747	1.40E-03	1.43E-03	1.43E-03
5731	488646.1	3857939.36	0.04772	1.41E-03	1.43E-03	1.43E-03
5732	488737.37	3857937.88	0.04805	1.42E-03	1.44E-03	1.44E-03
5733	488733.59	3857960.57	0.04877	1.44E-03	1.47E-03	1.46E-03
5734	488638.09	3857961.57	0.04843	1.43E-03	1.46E-03	1.45E-03
5735	488542.6	3857962.56	0.04827	1.42E-03	1.45E-03	1.45E-03
5736	488447.1	3857963.56	0.04793	1.41E-03	1.44E-03	1.44E-03
5737	488254.28	3857890.36	0.04413	1.30E-03	1.33E-03	1.33E-03
5738	488191.69	3857833.06	0.04228	1.25E-03	1.27E-03	1.27E-03
5739	488129.5	3857907.43	0.04381	1.29E-03	1.32E-03	1.32E-03
5740	488196.47	3857968.73	0.04602	1.36E-03	1.38E-03	1.38E-03
5741	488263.44	3858030.04	0.04858	1.43E-03	1.46E-03	1.46E-03
5742	488400.64	3858132.9	0.05423	1.60E-03	1.63E-03	1.63E-03
5743	488519.89	3858218.38	0.06092	1.80E-03	1.83E-03	1.83E-03
5744	488647.97	3858214.99	0.06111	1.80E-03	1.84E-03	1.84E-03
5745	488727.05	3858167.67	0.05844	1.72E-03	1.76E-03	1.76E-03
5746	488806.12	3858120.35	0.05604	1.65E-03	1.69E-03	1.68E-03
5747	488885.2	3858073.03	0.05375	1.58E-03	1.62E-03	1.61E-03
5748	489055.76	3857991.17	0.04971	1.46E-03	1.49E-03	1.49E-03
5749	489245.39	3857944.54	0.04554	1.34E-03	1.37E-03	1.37E-03
5750	489430.63	3857930.91	0.04331	1.28E-03	1.30E-03	1.30E-03
5751	489517.74	3857929.36	0.04246	1.25E-03	1.28E-03	1.28E-03
5752	489604.85	3857927.82	0.04168	1.23E-03	1.25E-03	1.25E-03
5753	489691.97	3857926.28	0.04128	1.22E-03	1.24E-03	1.24E-03
5754	489779.08	3857924.73	0.04088	1.20E-03	1.23E-03	1.23E-03
5755	490017.54	3857875.08	0.03845	1.13E-03	1.16E-03	1.15E-03
5756	490033.82	3857960.81	0.04137	1.22E-03	1.24E-03	1.24E-03
5757	489959.15	3857987.49	0.04294	1.27E-03	1.29E-03	1.29E-03
5758	489791.49	3858016.12	0.04393	1.29E-03	1.32E-03	1.32E-03
5759	489698.51	3858018.07	0.04455	1.31E-03	1.34E-03	1.34E-03
5760	489605.52	3858020.02	0.04527	1.33E-03	1.36E-03	1.36E-03
5761	489512.53	3858021.96	0.04615	1.36E-03	1.39E-03	1.39E-03
5762	489419.55	3858023.91	0.04732	1.39E-03	1.42E-03	1.42E-03
5763	489228.47	3858041.29	0.0492	1.45E-03	1.48E-03	1.48E-03
5764	489065.75	3858085.78	0.05347	1.58E-03	1.61E-03	1.61E-03
5765	489001.12	3858114.86	0.05547	1.63E-03	1.67E-03	1.67E-03
5766	488861.89	3858189.81	0.05989	1.76E-03	1.80E-03	1.80E-03
5767	488787.28	3858235.69	0.06309	1.86E-03	1.90E-03	1.89E-03
5768	488712.68	3858281.57	0.06611	1.95E-03	1.99E-03	1.99E-03
5769	488654.39	3858436.17	0.0817	2.41E-03	2.46E-03	2.45E-03
5770	488726.3	3858505.26	0.093	2.74E-03	2.80E-03	2.79E-03
5771	488880.6	3858599.28	0.1172	3.45E-03	3.52E-03	3.52E-03
5772	489008.06	3858714.75	0.17174	5.06E-03	5.16E-03	5.16E-03
5773	489071.48	3858772.72	0.24899	7.34E-03	7.49E-03	7.48E-03
5774	489244.59	3858920.19	0.8208	2.42E-02	2.47E-02	2.47E-02
5775	489239.69	3858952.23	1.04254	3.07E-02	3.13E-02	3.13E-02
5776	489121.67	3858854.49	0.56847	1.68E-02	1.71E-02	1.71E-02
5777	489059.59	3858797.27	0.30553	9.00E-03	9.19E-03	9.18E-03
5778	488997.52	3858740.04	0.19313	5.69E-03	5.81E-03	5.80E-03
5779	488935.44	3858682.82	0.15059	4.44E-03	4.53E-03	4.52E-03
5780	488869.17	3858848.43	0.45894	1.35E-02	1.38E-02	1.38E-02
5781	488932.48	3858892.69	1.58376	4.67E-02	4.76E-02	4.76E-02
5782	489063.27	3858977.17	2.69657	7.95E-02	8.11E-02	8.10E-02
5783	489248.2	3859117.15	3.25467	9.59E-02	9.79E-02	9.77E-02
5784	489296.25	3859049.22	1.67677	4.94E-02	5.04E-02	5.04E-02
5785	489353.38	3858993.96	1.01615	2.99E-02	3.06E-02	3.05E-02
5786	489537.24	3859120.22	1.25379	3.69E-02	3.77E-02	3.77E-02
5787	489726.98	3859246.04	1.48586	4.38E-02	4.47E-02	4.46E-02
5788	489911.46	3859366.33	1.68798	4.97E-02	5.08E-02	5.07E-02
5789	490035.3	3859430.26	1.69561	5.00E-02	5.10E-02	5.09E-02
5790	490101.11	3859458.61	1.65314	4.87E-02	4.97E-02	4.96E-02
5791	490312.68	3859560.3	1.77584	5.23E-02	5.34E-02	5.33E-02
5792	490401.63	3859603.12	1.88481	5.55E-02	5.67E-02	5.66E-02

5793	490490.57	3859645.94	1.9998	5.89E-02	6.01E-02	6.01E-02
5794	490579.51	3859688.76	2.1144	6.23E-02	6.36E-02	6.35E-02
5795	490668.45	3859731.58	2.17834	6.42E-02	6.55E-02	6.54E-02
5796	490757.4	3859774.4	2.37797	7.01E-02	7.15E-02	7.14E-02
5797	491003.53	3859861.82	2.14311	6.31E-02	6.44E-02	6.44E-02
5798	491081.41	3859879.05	1.91119	5.63E-02	5.75E-02	5.74E-02
5799	491229.76	3859917.82	1.5417	4.54E-02	4.64E-02	4.63E-02
5800	491300.22	3859939.35	1.39029	4.10E-02	4.18E-02	4.18E-02
5801	491350.48	3860012.03	1.54404	4.55E-02	4.64E-02	4.64E-02
5802	491406.82	3860092.56	1.74039	5.13E-02	5.23E-02	5.23E-02
5803	491483.36	3860121.96	1.55026	4.57E-02	4.66E-02	4.66E-02
5804	491559.91	3860151.35	1.39341	4.11E-02	4.19E-02	4.18E-02
5805	491711.81	3860237.76	0.96147	2.83E-02	2.89E-02	2.89E-02
5806	491755.2	3860319.07	1.38717	4.09E-02	4.17E-02	4.17E-02
5807	491704.71	3860366.54	1.98444	5.85E-02	5.97E-02	5.96E-02
5808	491623.42	3860462.39	1.17416	3.46E-02	3.53E-02	3.53E-02
5809	491534.02	3860439.85	0.67158	1.98E-02	2.02E-02	2.02E-02
5810	491313.95	3860268.17	0.90957	2.68E-02	2.73E-02	2.73E-02
5811	491187.12	3860143.56	1.26549	3.73E-02	3.81E-02	3.80E-02
5812	491070.43	3860075.97	1.17417	3.46E-02	3.53E-02	3.53E-02
5813	490995.09	3860039.38	1.1005	3.24E-02	3.31E-02	3.31E-02
5814	490919.75	3860002.8	1.10646	3.26E-02	3.33E-02	3.32E-02
5815	490756.81	3859894.53	1.90085	5.60E-02	5.72E-02	5.71E-02
5816	490668.07	3859860.92	1.81776	5.36E-02	5.47E-02	5.46E-02
5817	490579.34	3859827.3	1.81598	5.35E-02	5.46E-02	5.45E-02
5818	490490.6	3859793.68	1.72863	5.09E-02	5.20E-02	5.19E-02
5819	490401.86	3859760.07	1.6686	4.92E-02	5.02E-02	5.01E-02
5820	490313.12	3859726.45	1.65508	4.88E-02	4.98E-02	4.97E-02
5821	490224.39	3859692.83	1.63161	4.81E-02	4.91E-02	4.90E-02
5822	490135.65	3859659.22	1.59662	4.70E-02	4.80E-02	4.80E-02
5823	489918.18	3859559.23	1.56003	4.60E-02	4.69E-02	4.69E-02
5824	489743.61	3859486	1.2156	3.58E-02	3.66E-02	3.65E-02
5825	489660.32	3859440.27	1.20373	3.55E-02	3.62E-02	3.62E-02
5826	489577.04	3859394.53	1.19826	3.53E-02	3.60E-02	3.60E-02
5827	489493.75	3859348.8	1.18344	3.49E-02	3.56E-02	3.55E-02
5828	489321.28	3859240.02	1.34456	3.96E-02	4.04E-02	4.04E-02
5829	489235.41	3859193.96	1.31003	3.86E-02	3.94E-02	3.93E-02
5830	489149.54	3859147.89	1.15201	3.39E-02	3.46E-02	3.46E-02
5831	489063.68	3859101.82	1.05325	3.10E-02	3.17E-02	3.16E-02
5832	488977.81	3859055.75	0.94447	2.78E-02	2.84E-02	2.84E-02
5833	488891.94	3859009.69	0.76993	2.27E-02	2.32E-02	2.31E-02
5834	488808	3859060.73	0.39675	1.17E-02	1.19E-02	1.19E-02
5835	488809.93	3859157.85	0.30985	9.13E-03	9.32E-03	9.31E-03
5836	488811.85	3859254.96	0.25477	7.51E-03	7.66E-03	7.65E-03
5837	488813.78	3859352.07	0.21668	6.38E-03	6.52E-03	6.51E-03
5838	488815.71	3859449.19	0.1897	5.59E-03	5.70E-03	5.70E-03
5839	488910.04	3859547.1	0.18623	5.49E-03	5.60E-03	5.59E-03
5840	489002.45	3859547.91	0.20768	6.12E-03	6.24E-03	6.24E-03
5841	489094.85	3859548.71	0.23372	6.89E-03	7.03E-03	7.02E-03
5842	489230.05	3859601.87	0.25155	7.41E-03	7.56E-03	7.55E-03
5843	489227.52	3859680.89	0.21879	6.45E-03	6.58E-03	6.57E-03
5844	489133.47	3859760.29	0.17712	5.22E-03	5.33E-03	5.32E-03
5845	489041.96	3859760.67	0.16256	4.79E-03	4.89E-03	4.88E-03
5846	488950.45	3859761.05	0.14951	4.41E-03	4.50E-03	4.49E-03
5847	488858.94	3859761.43	0.13823	4.07E-03	4.16E-03	4.15E-03
5848	488767.43	3859761.82	0.12709	3.74E-03	3.82E-03	3.82E-03
5849	488675.92	3859762.2	0.11759	3.46E-03	3.54E-03	3.53E-03
5850	488584.41	3859762.58	0.10841	3.19E-03	3.26E-03	3.26E-03
5851	488492.9	3859762.96	0.10043	2.96E-03	3.02E-03	3.02E-03
5852	488402.76	3859830.95	0.08975	2.64E-03	2.70E-03	2.70E-03
5853	488404.14	3859898.55	0.08589	2.53E-03	2.58E-03	2.58E-03
5854	488505.18	3859964.96	0.08852	2.61E-03	2.66E-03	2.66E-03
5855	488604.84	3859963.76	0.09497	2.80E-03	2.86E-03	2.85E-03

5856	488704.51	3859962.56	0.10215	3.01E-03	3.07E-03	3.07E-03
5857	488804.18	3859961.37	0.11002	3.24E-03	3.31E-03	3.30E-03
5858	488903.85	3859960.17	0.11848	3.49E-03	3.56E-03	3.56E-03
5859	489003.52	3859958.97	0.12731	3.75E-03	3.83E-03	3.82E-03
5860	489103.18	3859957.77	0.13707	4.04E-03	4.12E-03	4.12E-03
5861	489201.48	3860046.59	0.13445	3.96E-03	4.04E-03	4.04E-03
5862	489200.11	3860136.61	0.12217	3.60E-03	3.67E-03	3.67E-03
5863	489198.74	3860226.63	0.11177	3.29E-03	3.36E-03	3.36E-03
5864	489197.38	3860316.65	0.10261	3.02E-03	3.09E-03	3.08E-03
5865	489196.01	3860406.68	0.09496	2.80E-03	2.86E-03	2.85E-03
5866	489194.64	3860496.7	0.08759	2.58E-03	2.63E-03	2.63E-03
5867	489193.27	3860586.72	0.08165	2.41E-03	2.46E-03	2.45E-03
5868	489092.02	3860678.13	0.07315	2.16E-03	2.20E-03	2.20E-03
5869	488992.13	3860679.52	0.07025	2.07E-03	2.11E-03	2.11E-03
5870	488892.24	3860680.92	0.06762	1.99E-03	2.03E-03	2.03E-03
5871	488792.36	3860682.31	0.06497	1.91E-03	1.95E-03	1.95E-03
5872	488692.47	3860683.7	0.06256	1.84E-03	1.88E-03	1.88E-03
5873	488592.59	3860685.1	0.05988	1.76E-03	1.80E-03	1.80E-03
5874	488492.71	3860686.49	0.05795	1.71E-03	1.74E-03	1.74E-03
5875	488299.07	3860762.18	0.0529	1.56E-03	1.59E-03	1.59E-03
5876	488205.32	3860764.09	0.05079	1.50E-03	1.53E-03	1.53E-03
5877	488111.56	3860766	0.04865	1.43E-03	1.46E-03	1.46E-03
5878	488017.81	3860767.91	0.0466	1.37E-03	1.40E-03	1.40E-03
5879	487924.06	3860769.81	0.04477	1.32E-03	1.35E-03	1.34E-03
5880	487830.31	3860771.72	0.04312	1.27E-03	1.30E-03	1.30E-03
5881	487736.55	3860773.63	0.04162	1.23E-03	1.25E-03	1.25E-03
5882	487642.8	3860775.54	0.04037	1.19E-03	1.21E-03	1.21E-03
5883	487549.48	3860684.71	0.04035	1.19E-03	1.21E-03	1.21E-03
5884	487549.91	3860591.97	0.04127	1.22E-03	1.24E-03	1.24E-03
5885	487550.34	3860499.23	0.04244	1.25E-03	1.28E-03	1.27E-03
5886	487550.76	3860406.49	0.04375	1.29E-03	1.32E-03	1.31E-03
5887	487551.19	3860313.75	0.04494	1.32E-03	1.35E-03	1.35E-03
5888	487551.62	3860221.01	0.04625	1.36E-03	1.39E-03	1.39E-03
5889	487552.05	3860128.27	0.04788	1.41E-03	1.44E-03	1.44E-03
5890	487552.48	3860035.53	0.04943	1.46E-03	1.49E-03	1.48E-03
5891	487552.91	3859942.79	0.05053	1.49E-03	1.52E-03	1.52E-03
5892	487553.33	3859850.05	0.05218	1.54E-03	1.57E-03	1.57E-03
5893	487553.76	3859757.31	0.05349	1.58E-03	1.61E-03	1.61E-03
5894	487554.19	3859664.57	0.05467	1.61E-03	1.64E-03	1.64E-03
5895	487460.2	3859571.05	0.05245	1.55E-03	1.58E-03	1.58E-03
5896	487365.78	3859570.27	0.04983	1.47E-03	1.50E-03	1.50E-03
5897	487271.36	3859569.48	0.04742	1.40E-03	1.43E-03	1.42E-03
5898	487176.94	3859568.7	0.04524	1.33E-03	1.36E-03	1.36E-03
5899	487082.51	3859567.92	0.04332	1.28E-03	1.30E-03	1.30E-03
5900	486988.09	3859567.14	0.04155	1.22E-03	1.25E-03	1.25E-03
5901	486893.67	3859566.36	0.03995	1.18E-03	1.20E-03	1.20E-03
5902	486799.25	3859565.58	0.03847	1.13E-03	1.16E-03	1.16E-03
5903	486704.83	3859564.79	0.03713	1.09E-03	1.12E-03	1.12E-03
5904	486610.41	3859564.01	0.0359	1.06E-03	1.08E-03	1.08E-03
5905	486515.99	3859563.23	0.03469	1.02E-03	1.04E-03	1.04E-03
5906	486421.57	3859562.45	0.03362	9.91E-04	1.01E-03	1.01E-03
5907	486327.14	3859561.67	0.03266	9.62E-04	9.82E-04	9.81E-04
5908	486232.72	3859560.89	0.03171	9.34E-04	9.53E-04	9.52E-04
5909	486138.3	3859560.1	0.03085	9.09E-04	9.28E-04	9.27E-04
5910	486043.88	3859559.32	0.03003	8.85E-04	9.03E-04	9.02E-04
5911	485949.35	3859463.54	0.02959	8.72E-04	8.90E-04	8.89E-04
5912	485949.24	3859368.55	0.02991	8.81E-04	8.99E-04	8.98E-04
5913	485949.12	3859273.55	0.03022	8.90E-04	9.09E-04	9.08E-04
5914	485949.01	3859178.56	0.03051	8.99E-04	9.17E-04	9.16E-04
5915	485948.9	3859083.56	0.03084	9.09E-04	9.27E-04	9.26E-04
5916	485948.79	3858988.56	0.03113	9.17E-04	9.36E-04	9.35E-04
5917	485948.67	3858893.57	0.03138	9.25E-04	9.44E-04	9.42E-04
5918	485948.56	3858798.57	0.03162	9.32E-04	9.51E-04	9.50E-04

5919	485948.45	3858703.58	0.03168	9.33E-04	9.53E-04	9.51E-04
5920	485948.34	3858608.58	0.03175	9.36E-04	9.55E-04	9.54E-04
5921	485948.22	3858513.59	0.03173	9.35E-04	9.54E-04	9.53E-04
5922	485948.11	3858418.59	0.03158	9.31E-04	9.50E-04	9.48E-04
5923	485948	3858323.59	0.03135	9.24E-04	9.43E-04	9.42E-04
5924	485947.89	3858228.6	0.03094	9.12E-04	9.30E-04	9.29E-04
5925	485947.77	3858133.6	0.03045	8.97E-04	9.16E-04	9.14E-04
5926	485947.66	3858038.61	0.03001	8.84E-04	9.02E-04	9.01E-04
5927	485854.54	3857943.35	0.02924	8.62E-04	8.79E-04	8.78E-04
5928	485761.52	3857943.09	0.029	8.55E-04	8.72E-04	8.71E-04
5929	485668.51	3857942.83	0.02878	8.48E-04	8.65E-04	8.64E-04
5930	485575.5	3857942.56	0.02852	8.40E-04	8.58E-04	8.57E-04
5931	485482.48	3857942.3	0.02829	8.34E-04	8.51E-04	8.50E-04
5932	485389.47	3857942.04	0.02804	8.26E-04	8.43E-04	8.42E-04
5933	485296.46	3857941.78	0.02779	8.19E-04	8.36E-04	8.35E-04
5934	485203.45	3857941.52	0.02755	8.12E-04	8.28E-04	8.27E-04
5935	485110.43	3857941.26	0.02728	8.04E-04	8.20E-04	8.19E-04
5936	485017.42	3857940.99	0.02701	7.96E-04	8.12E-04	8.11E-04
5937	484924.41	3857940.73	0.02675	7.88E-04	8.04E-04	8.03E-04
5938	484831.39	3857940.47	0.02651	7.81E-04	7.97E-04	7.96E-04
5939	484738.12	3857859.3	0.02627	7.74E-04	7.90E-04	7.89E-04
5940	484737.85	3857778.4	0.02627	7.74E-04	7.90E-04	7.89E-04
5941	484737.59	3857697.49	0.02624	7.73E-04	7.89E-04	7.88E-04
5942	484737.32	3857616.59	0.02621	7.72E-04	7.88E-04	7.87E-04
5943	484645.53	3857535.18	0.02606	7.68E-04	7.84E-04	7.83E-04
5944	484553.99	3857534.67	0.02595	7.65E-04	7.80E-04	7.79E-04
5945	484462.46	3857534.17	0.02586	7.62E-04	7.78E-04	7.77E-04
5946	484370.93	3857533.66	0.02578	7.60E-04	7.75E-04	7.74E-04
5947	484279.4	3857533.16	0.02571	7.58E-04	7.73E-04	7.72E-04
5948	484187.86	3857532.65	0.02564	7.56E-04	7.71E-04	7.70E-04
5949	484096.33	3857532.15	0.02559	7.54E-04	7.69E-04	7.69E-04
5950	484004.8	3857531.64	0.02551	7.52E-04	7.67E-04	7.66E-04
5951	483913.27	3857531.14	0.02541	7.49E-04	7.64E-04	7.63E-04
5952	483821.73	3857530.63	0.0253	7.45E-04	7.61E-04	7.60E-04
5953	483729.61	3857450.11	0.02535	7.47E-04	7.62E-04	7.61E-04
5954	483729.03	3857370.08	0.02553	7.52E-04	7.68E-04	7.67E-04
5955	483728.44	3857290.06	0.02569	7.57E-04	7.72E-04	7.72E-04
5956	483727.86	3857210.03	0.02585	7.62E-04	7.77E-04	7.76E-04
5957	483641.15	3857129.07	0.02599	7.66E-04	7.81E-04	7.81E-04
5958	483555.03	3857128.14	0.02592	7.64E-04	7.79E-04	7.78E-04
5959	483468.91	3857127.2	0.02581	7.61E-04	7.76E-04	7.75E-04
5960	483382.78	3857126.26	0.02575	7.59E-04	7.74E-04	7.73E-04
5961	483296.66	3857125.32	0.02565	7.56E-04	7.71E-04	7.70E-04
5962	483210.54	3857124.39	0.02553	7.52E-04	7.68E-04	7.67E-04
5963	483123.4	3857030.96	0.02573	7.58E-04	7.74E-04	7.73E-04
5964	483122.38	3856938.46	0.02606	7.68E-04	7.84E-04	7.83E-04
5965	483121.35	3856845.97	0.02643	7.79E-04	7.95E-04	7.94E-04
5966	483120.33	3856753.47	0.0268	7.90E-04	8.06E-04	8.05E-04
5967	483119.31	3856660.98	0.02723	8.02E-04	8.19E-04	8.18E-04
5968	483118.29	3856568.49	0.02776	8.18E-04	8.35E-04	8.34E-04
5969	483117.26	3856475.99	0.02838	8.36E-04	8.53E-04	8.52E-04
5970	483116.24	3856383.5	0.02904	8.56E-04	8.73E-04	8.72E-04
5971	483115.22	3856291.01	0.02978	8.78E-04	8.95E-04	8.94E-04
5972	483114.2	3856198.51	0.03055	9.00E-04	9.19E-04	9.17E-04
5973	483113.17	3856106.02	0.03146	9.27E-04	9.46E-04	9.45E-04
5974	483112.15	3856013.52	0.03238	9.54E-04	9.74E-04	9.72E-04
5975	483029.25	3855920.47	0.03326	9.80E-04	1.00E-03	9.99E-04
5976	482947.37	3855919.91	0.03316	9.77E-04	9.97E-04	9.96E-04
5977	482865.49	3855919.36	0.03308	9.75E-04	9.95E-04	9.93E-04
5978	482783.61	3855918.8	0.03307	9.74E-04	9.94E-04	9.93E-04
5979	482700.33	3855818.39	0.03419	1.01E-03	1.03E-03	1.03E-03
5980	482698.92	3855718.54	0.03548	1.05E-03	1.07E-03	1.07E-03
5981	482697.52	3855618.68	0.03679	1.08E-03	1.11E-03	1.10E-03

5982	482696.11	3855518.83	0.03826	1.13E-03	1.15E-03	1.15E-03
5983	482694.71	3855418.98	0.03974	1.17E-03	1.19E-03	1.19E-03
5984	482693.3	3855319.13	0.04135	1.22E-03	1.24E-03	1.24E-03
5985	482691.9	3855219.27	0.04314	1.27E-03	1.30E-03	1.30E-03
5986	482690.49	3855119.42	0.04505	1.33E-03	1.35E-03	1.35E-03
5987	482689.09	3855019.57	0.0473	1.39E-03	1.42E-03	1.42E-03
5988	482687.68	3854919.71	0.04971	1.46E-03	1.49E-03	1.49E-03
5989	482686.28	3854819.86	0.05253	1.55E-03	1.58E-03	1.58E-03
5990	482684.88	3854720.01	0.05554	1.64E-03	1.67E-03	1.67E-03
5991	482683.47	3854620.16	0.05919	1.74E-03	1.78E-03	1.78E-03
5992	482682.07	3854520.31	0.06328	1.86E-03	1.90E-03	1.90E-03
5993	482680.66	3854420.45	0.06806	2.01E-03	2.05E-03	2.04E-03
5994	482679.26	3854320.6	0.07374	2.17E-03	2.22E-03	2.21E-03
5995	482677.85	3854220.75	0.08082	2.38E-03	2.43E-03	2.43E-03
5996	482676.45	3854120.9	0.08922	2.63E-03	2.68E-03	2.68E-03
5997	482675.04	3854021.04	0.09998	2.95E-03	3.01E-03	3.00E-03
5998	482673.64	3853921.19	0.11396	3.36E-03	3.43E-03	3.42E-03
5999	482672.23	3853821.34	0.13494	3.98E-03	4.06E-03	4.05E-03
6000	482670.83	3853721.48	0.16768	4.94E-03	5.04E-03	5.04E-03
6001	482669.42	3853621.63	0.22285	6.57E-03	6.70E-03	6.69E-03
6002	482645.99	3853446.13	0.43445	1.28E-02	1.31E-02	1.30E-02
6003	482623.97	3853370.48	0.51767	1.53E-02	1.56E-02	1.55E-02
6004	482601.94	3853294.84	0.58809	1.73E-02	1.77E-02	1.77E-02
6005	482531.29	3853133.44	0.70631	2.08E-02	2.12E-02	2.12E-02
6006	482482.68	3853047.69	0.78686	2.32E-02	2.37E-02	2.36E-02
6007	482383.09	3852897.4	0.98006	2.89E-02	2.95E-02	2.94E-02
6008	482265.64	3852765.26	1.04718	3.09E-02	3.15E-02	3.14E-02
6009	482199.16	3852697.66	1.0461	3.08E-02	3.15E-02	3.14E-02
6010	482132.69	3852630.07	1.05222	3.10E-02	3.16E-02	3.16E-02
6011	482066.21	3852562.48	1.04494	3.08E-02	3.14E-02	3.14E-02
6012	481999.74	3852494.89	1.0256	3.02E-02	3.08E-02	3.08E-02
6013	481933.26	3852427.29	1.00147	2.95E-02	3.01E-02	3.01E-02
6014	481866.79	3852359.7	0.99528	2.93E-02	2.99E-02	2.99E-02
6015	481800.31	3852292.11	0.99193	2.92E-02	2.98E-02	2.98E-02
6016	481733.84	3852224.52	0.98545	2.90E-02	2.96E-02	2.96E-02
6017	481667.36	3852156.92	1.00501	2.96E-02	3.02E-02	3.02E-02
6018	481600.89	3852089.33	0.99513	2.93E-02	2.99E-02	2.99E-02
6019	481534.41	3852021.74	0.98612	2.91E-02	2.97E-02	2.96E-02
6020	481467.94	3851954.15	0.99273	2.93E-02	2.98E-02	2.98E-02
6021	481401.46	3851886.55	1.02291	3.01E-02	3.08E-02	3.07E-02
6022	481265.87	3851761.43	1.04512	3.08E-02	3.14E-02	3.14E-02
6023	481196.74	3851703.89	1.06442	3.14E-02	3.20E-02	3.20E-02
6024	481076.33	3851619.04	1.06806	3.15E-02	3.21E-02	3.21E-02
6025	480939.8	3851549.07	1.01795	3.00E-02	3.06E-02	3.06E-02
6026	480854.56	3851506.41	1.01516	2.99E-02	3.05E-02	3.05E-02
6027	480769.32	3851463.75	1.02883	3.03E-02	3.09E-02	3.09E-02
6028	480684.08	3851421.08	1.04599	3.08E-02	3.15E-02	3.14E-02
6029	480598.84	3851378.42	1.04315	3.07E-02	3.14E-02	3.13E-02
6030	480435.71	3851275.01	1.23447	3.64E-02	3.71E-02	3.71E-02
6031	480347.85	3851232.36	1.22886	3.62E-02	3.69E-02	3.69E-02
6032	480260	3851189.72	1.22593	3.61E-02	3.69E-02	3.68E-02
6033	480172.15	3851147.07	1.22271	3.60E-02	3.68E-02	3.67E-02
6034	480084.29	3851104.42	1.22618	3.61E-02	3.69E-02	3.68E-02
6035	479996.44	3851061.77	1.23023	3.63E-02	3.70E-02	3.69E-02
6036	479908.58	3851019.13	1.2866	3.79E-02	3.87E-02	3.86E-02
6037	479820.73	3850976.48	1.28461	3.79E-02	3.86E-02	3.86E-02
6038	479732.88	3850933.83	1.28665	3.79E-02	3.87E-02	3.86E-02
6039	479645.02	3850891.18	1.28824	3.80E-02	3.87E-02	3.87E-02
6040	479557.17	3850848.54	1.27744	3.76E-02	3.84E-02	3.84E-02
6041	479469.32	3850805.89	1.30838	3.86E-02	3.93E-02	3.93E-02
6042	479381.46	3850763.24	1.29465	3.81E-02	3.89E-02	3.89E-02
6043	479293.61	3850720.59	1.25791	3.71E-02	3.78E-02	3.78E-02
6044	479205.76	3850677.95	1.22947	3.62E-02	3.70E-02	3.69E-02

6045	479117.9	3850635.3	1.17801	3.47E-02	3.54E-02	3.54E-02
6046	479030.05	3850592.65	1.14876	3.38E-02	3.45E-02	3.45E-02
6047	478942.19	3850550	1.1724	3.45E-02	3.53E-02	3.52E-02
6048	478854.34	3850507.36	1.29449	3.81E-02	3.89E-02	3.89E-02
6049	478766.49	3850464.71	1.31678	3.88E-02	3.96E-02	3.95E-02
6050	478678.63	3850422.06	1.31733	3.88E-02	3.96E-02	3.96E-02
6051	478590.78	3850379.41	1.32793	3.91E-02	3.99E-02	3.99E-02
6052	478502.93	3850336.77	1.32356	3.90E-02	3.98E-02	3.97E-02
6053	478415.07	3850294.12	1.30813	3.85E-02	3.93E-02	3.93E-02
6054	478327.22	3850251.47	1.32636	3.91E-02	3.99E-02	3.98E-02
6055	478239.36	3850208.82	1.33632	3.94E-02	4.02E-02	4.01E-02
6056	478151.51	3850166.18	1.34162	3.95E-02	4.03E-02	4.03E-02
6057	478063.66	3850123.53	1.34747	3.97E-02	4.05E-02	4.05E-02
6058	477975.8	3850080.88	1.28033	3.77E-02	3.85E-02	3.85E-02
6059	477887.95	3850038.23	1.26908	3.74E-02	3.82E-02	3.81E-02
6060	477800.1	3849995.59	1.24197	3.66E-02	3.73E-02	3.73E-02
6061	477712.24	3849952.94	1.24729	3.68E-02	3.75E-02	3.75E-02
6062	477624.39	3849910.29	1.24391	3.67E-02	3.74E-02	3.74E-02
6063	477536.54	3849867.64	1.2214	3.60E-02	3.67E-02	3.67E-02
6064	477448.68	3849825	1.21837	3.59E-02	3.66E-02	3.66E-02
6065	477360.83	3849782.35	1.21179	3.57E-02	3.64E-02	3.64E-02
6066	477272.97	3849739.7	1.20801	3.56E-02	3.63E-02	3.63E-02
6067	477185.12	3849697.05	1.203	3.54E-02	3.62E-02	3.61E-02
6068	477097.27	3849654.41	1.21634	3.58E-02	3.66E-02	3.65E-02
6069	477009.41	3849611.76	1.27032	3.74E-02	3.82E-02	3.82E-02
6070	476841.49	3849530.08	1.30482	3.84E-02	3.92E-02	3.92E-02
6071	476761.41	3849491.05	1.31688	3.88E-02	3.96E-02	3.95E-02
6072	476681.34	3849452.02	1.3743	4.05E-02	4.13E-02	4.13E-02
6073	476601.26	3849412.99	1.49088	4.39E-02	4.48E-02	4.48E-02
6074	476456.32	3849353.67	1.78368	5.26E-02	5.36E-02	5.36E-02
6075	476305.43	3849318.83	1.69401	4.99E-02	5.09E-02	5.09E-02
6076	476129.36	3849289.99	1.66793	4.91E-02	5.02E-02	5.01E-02
6077	476039.31	3849275.68	1.63347	4.81E-02	4.91E-02	4.91E-02
6078	475949.26	3849261.38	1.69705	5.00E-02	5.10E-02	5.10E-02
6079	475859.21	3849247.08	1.63299	4.81E-02	4.91E-02	4.90E-02
6080	475769.16	3849232.77	1.57163	4.63E-02	4.73E-02	4.72E-02
6081	475585.22	3849219.27	0.85668	2.52E-02	2.58E-02	2.57E-02
6082	475444.49	3849150.35	1.62188	4.78E-02	4.88E-02	4.87E-02
6083	475334.17	3849118.71	1.22332	3.60E-02	3.68E-02	3.67E-02
6084	475230.47	3849060.56	1.22698	3.62E-02	3.69E-02	3.68E-02
6085	475110.86	3848960.97	1.46637	4.32E-02	4.41E-02	4.40E-02
6086	475037.79	3848896.28	1.52514	4.49E-02	4.59E-02	4.58E-02
6087	474964.72	3848831.59	1.57689	4.65E-02	4.74E-02	4.74E-02
6088	474891.65	3848766.9	1.5727	4.63E-02	4.73E-02	4.72E-02
6089	474818.58	3848702.21	1.58558	4.67E-02	4.77E-02	4.76E-02
6090	474745.51	3848637.53	1.4324	4.22E-02	4.31E-02	4.30E-02
6091	474672.44	3848572.84	1.41151	4.16E-02	4.24E-02	4.24E-02
6092	474599.37	3848508.15	1.45217	4.28E-02	4.37E-02	4.36E-02
6093	474526.3	3848443.46	1.44582	4.26E-02	4.35E-02	4.34E-02

			PM10		2028 RD	2033 RD	2048 RD
			24 hr	Rates (g/s)	2.95E-02	3.01E-02	3.00E-02
			Concentration [ug/m^3] at 1 g/s				
	X	Y	Leads (SLINE1A, 1B)		Leads	Leads	Leads
1	485973.61	3854936.51	0.38399		1.13E-02	1.15E-02	1.15E-02
2	486023.61	3854936.51	0.3891		1.15E-02	1.17E-02	1.17E-02
3	486073.61	3854936.51	0.39562		1.17E-02	1.19E-02	1.19E-02
4	486123.61	3854936.51	0.39542		1.17E-02	1.19E-02	1.19E-02
5	486173.61	3854936.51	0.39334		1.16E-02	1.18E-02	1.18E-02
6	486223.61	3854936.51	0.38841		1.14E-02	1.17E-02	1.17E-02
7	486273.61	3854936.51	0.38484		1.13E-02	1.16E-02	1.16E-02
8	486323.61	3854936.51	0.38195		1.13E-02	1.15E-02	1.15E-02
9	485973.61	3854986.51	0.37156		1.09E-02	1.12E-02	1.12E-02
10	486023.61	3854986.51	0.37735		1.11E-02	1.13E-02	1.13E-02
11	486073.61	3854986.51	0.38127		1.12E-02	1.15E-02	1.15E-02
12	486123.61	3854986.51	0.38738		1.14E-02	1.16E-02	1.16E-02
13	486173.61	3854986.51	0.38996		1.15E-02	1.17E-02	1.17E-02
14	486223.61	3854986.51	0.38935		1.15E-02	1.17E-02	1.17E-02
15	486273.61	3854986.51	0.38506		1.13E-02	1.16E-02	1.16E-02
16	486323.61	3854986.51	0.38276		1.13E-02	1.15E-02	1.15E-02
17	485973.61	3855036.51	0.36425		1.07E-02	1.10E-02	1.09E-02
18	486023.61	3855036.51	0.3659		1.08E-02	1.10E-02	1.10E-02
19	486073.61	3855036.51	0.36898		1.09E-02	1.11E-02	1.11E-02
20	486123.61	3855036.51	0.37384		1.10E-02	1.12E-02	1.12E-02
21	486173.61	3855036.51	0.37898		1.12E-02	1.14E-02	1.14E-02
22	486223.61	3855036.51	0.38331		1.13E-02	1.15E-02	1.15E-02
23	486273.61	3855036.51	0.38774		1.14E-02	1.17E-02	1.16E-02
24	486323.61	3855036.51	0.38323		1.13E-02	1.15E-02	1.15E-02
25	485973.61	3855086.51	0.37308		1.10E-02	1.12E-02	1.12E-02
26	486023.61	3855086.51	0.37023		1.09E-02	1.11E-02	1.11E-02
27	486073.61	3855086.51	0.35978		1.06E-02	1.08E-02	1.08E-02
28	486123.61	3855086.51	0.3622		1.07E-02	1.09E-02	1.09E-02
29	486173.61	3855086.51	0.36709		1.08E-02	1.10E-02	1.10E-02
30	486223.61	3855086.51	0.37214		1.10E-02	1.12E-02	1.12E-02
31	485973.61	3855136.51	0.4023		1.19E-02	1.21E-02	1.21E-02
32	486023.61	3855136.51	0.37312		1.10E-02	1.12E-02	1.12E-02
33	486073.61	3855136.51	0.36398		1.07E-02	1.09E-02	1.09E-02
34	486123.61	3855136.51	0.35538		1.05E-02	1.07E-02	1.07E-02
35	486173.61	3855136.51	0.35536		1.05E-02	1.07E-02	1.07E-02
36	486223.61	3855136.51	0.36021		1.06E-02	1.08E-02	1.08E-02
37	485973.61	3855186.51	0.39415		1.16E-02	1.19E-02	1.18E-02
38	486023.61	3855186.51	0.39371		1.16E-02	1.18E-02	1.18E-02
39	486073.61	3855186.51	0.37641		1.11E-02	1.13E-02	1.13E-02
40	486123.61	3855186.51	0.36281		1.07E-02	1.09E-02	1.09E-02
41	486173.61	3855186.51	0.35903		1.06E-02	1.08E-02	1.08E-02
42	486223.61	3855186.51	0.34859		1.03E-02	1.05E-02	1.05E-02
43	486273.61	3855186.51	0.35177		1.04E-02	1.06E-02	1.06E-02
44	486323.61	3855186.51	0.36027		1.06E-02	1.08E-02	1.08E-02
45	485973.61	3855236.51	0.40245		1.19E-02	1.21E-02	1.21E-02
46	486023.61	3855236.51	0.39369		1.16E-02	1.18E-02	1.18E-02
47	486073.61	3855236.51	0.38306		1.13E-02	1.15E-02	1.15E-02
48	486123.61	3855236.51	0.38514		1.13E-02	1.16E-02	1.16E-02
49	486173.61	3855236.51	0.36186		1.07E-02	1.09E-02	1.09E-02
50	486223.61	3855236.51	0.35333		1.04E-02	1.06E-02	1.06E-02
51	486273.61	3855236.51	0.3418		1.01E-02	1.03E-02	1.03E-02
52	486323.61	3855236.51	0.34781		1.02E-02	1.05E-02	1.04E-02
53	485973.61	3855286.51	0.41054		1.21E-02	1.23E-02	1.23E-02
54	486023.61	3855286.51	0.40442		1.19E-02	1.22E-02	1.21E-02
55	486073.61	3855286.51	0.39223		1.16E-02	1.18E-02	1.18E-02
56	486123.61	3855286.51	0.37596		1.11E-02	1.13E-02	1.13E-02
57	486173.61	3855286.51	0.38352		1.13E-02	1.15E-02	1.15E-02
58	486223.61	3855286.51	0.35964		1.06E-02	1.08E-02	1.08E-02
59	486123.61	3855336.51	0.38494		1.13E-02	1.16E-02	1.16E-02

60	486173.61	3855336.51	0.37594	1.11E-02	1.13E-02	1.13E-02
61	486223.61	3855336.51	0.37426	1.10E-02	1.13E-02	1.12E-02
62	486123.61	3855386.51	0.39536	1.16E-02	1.19E-02	1.19E-02
63	486173.61	3855386.51	0.38334	1.13E-02	1.15E-02	1.15E-02
64	486223.61	3855386.51	0.37602	1.11E-02	1.13E-02	1.13E-02
65	486533.18	3855443.15	0.34018	1.00E-02	1.02E-02	1.02E-02
66	486583.18	3855443.15	0.33402	9.84E-03	1.00E-02	1.00E-02
67	486633.18	3855443.15	0.32734	9.65E-03	9.84E-03	9.83E-03
68	486683.18	3855443.15	0.33352	9.83E-03	1.00E-02	1.00E-02
69	486533.18	3855493.15	0.34275	1.01E-02	1.03E-02	1.03E-02
70	486583.18	3855493.15	0.33902	9.99E-03	1.02E-02	1.02E-02
71	486633.18	3855493.15	0.33416	9.85E-03	1.00E-02	1.00E-02
72	486683.18	3855493.15	0.32835	9.68E-03	9.87E-03	9.86E-03
73	486533.18	3855543.15	0.35887	1.06E-02	1.08E-02	1.08E-02
74	486583.18	3855543.15	0.34297	1.01E-02	1.03E-02	1.03E-02
75	486633.18	3855543.15	0.33748	9.94E-03	1.01E-02	1.01E-02
76	486683.18	3855543.15	0.33138	9.76E-03	9.96E-03	9.95E-03
77	486533.18	3855593.15	0.35119	1.03E-02	1.06E-02	1.05E-02
78	486583.18	3855593.15	0.34946	1.03E-02	1.05E-02	1.05E-02
79	486633.18	3855593.15	0.35164	1.04E-02	1.06E-02	1.06E-02
80	486683.18	3855593.15	0.33571	9.89E-03	1.01E-02	1.01E-02
81	486533.18	3855643.15	0.35731	1.05E-02	1.07E-02	1.07E-02
82	486583.18	3855643.15	0.35101	1.03E-02	1.06E-02	1.05E-02
83	486633.18	3855643.15	0.33998	1.00E-02	1.02E-02	1.02E-02
84	486683.18	3855643.15	0.35123	1.03E-02	1.06E-02	1.05E-02
85	486533.18	3855693.15	0.36188	1.07E-02	1.09E-02	1.09E-02
86	486583.18	3855693.15	0.35878	1.06E-02	1.08E-02	1.08E-02
87	486633.18	3855693.15	0.34915	1.03E-02	1.05E-02	1.05E-02
88	486683.18	3855693.15	0.33814	9.96E-03	1.02E-02	1.02E-02
89	486733.18	3855693.15	0.34193	1.01E-02	1.03E-02	1.03E-02
90	486783.18	3855693.15	0.34342	1.01E-02	1.03E-02	1.03E-02
91	486533.18	3855743.15	0.36284	1.07E-02	1.09E-02	1.09E-02
92	486583.18	3855743.15	0.35429	1.04E-02	1.07E-02	1.06E-02
93	486633.18	3855743.15	0.35546	1.05E-02	1.07E-02	1.07E-02
94	486683.18	3855743.15	0.34314	1.01E-02	1.03E-02	1.03E-02
95	486733.18	3855743.15	0.34006	1.00E-02	1.02E-02	1.02E-02
96	486783.18	3855743.15	0.33261	9.80E-03	1.00E-02	9.99E-03
97	486533.18	3855793.15	0.35872	1.06E-02	1.08E-02	1.08E-02
98	486583.18	3855793.15	0.35528	1.05E-02	1.07E-02	1.07E-02
99	486633.18	3855793.15	0.35149	1.04E-02	1.06E-02	1.06E-02
100	486683.18	3855793.15	0.35184	1.04E-02	1.06E-02	1.06E-02
101	486733.18	3855793.15	0.34777	1.02E-02	1.05E-02	1.04E-02
102	486783.18	3855793.15	0.34198	1.01E-02	1.03E-02	1.03E-02
103	486533.18	3855843.15	0.34811	1.03E-02	1.05E-02	1.05E-02
104	486583.18	3855843.15	0.35132	1.04E-02	1.06E-02	1.06E-02
105	486633.18	3855843.15	0.35673	1.05E-02	1.07E-02	1.07E-02
106	486683.18	3855843.15	0.35424	1.04E-02	1.07E-02	1.06E-02
107	486733.18	3855843.15	0.34939	1.03E-02	1.05E-02	1.05E-02
108	486783.18	3855843.15	0.34885	1.03E-02	1.05E-02	1.05E-02
109	486533.18	3855893.15	0.34408	1.01E-02	1.03E-02	1.03E-02
110	486583.18	3855893.15	0.34383	1.01E-02	1.03E-02	1.03E-02
111	486633.18	3855893.15	0.3463	1.02E-02	1.04E-02	1.04E-02
112	486683.18	3855893.15	0.35051	1.03E-02	1.05E-02	1.05E-02
113	486733.18	3855893.15	0.35375	1.04E-02	1.06E-02	1.06E-02
114	486783.18	3855893.15	0.35176	1.04E-02	1.06E-02	1.06E-02
115	486533.18	3855943.15	0.33968	1.00E-02	1.02E-02	1.02E-02
116	486583.18	3855943.15	0.34029	1.00E-02	1.02E-02	1.02E-02
117	486633.18	3855943.15	0.34072	1.00E-02	1.02E-02	1.02E-02
118	486683.18	3855943.15	0.33546	9.88E-03	1.01E-02	1.01E-02
119	486733.18	3855943.15	0.34242	1.01E-02	1.03E-02	1.03E-02
120	486783.18	3855943.15	0.34758	1.02E-02	1.05E-02	1.04E-02
121	486533.18	3855993.15	0.32743	9.65E-03	9.85E-03	9.83E-03
122	486583.18	3855993.15	0.33626	9.91E-03	1.01E-02	1.01E-02

123	486633.18	3855993.15	0.33709	9.93E-03	1.01E-02	1.01E-02
124	486683.18	3855993.15	0.33647	9.91E-03	1.01E-02	1.01E-02
125	486733.18	3855993.15	0.33217	9.79E-03	9.99E-03	9.98E-03
126	486783.18	3855993.15	0.33664	9.92E-03	1.01E-02	1.01E-02
127	486533.18	3856043.15	0.33088	9.75E-03	9.95E-03	9.94E-03
128	486583.18	3856043.15	0.32376	9.54E-03	9.73E-03	9.72E-03
129	486633.18	3856043.15	0.33188	9.78E-03	9.98E-03	9.97E-03
130	486683.18	3856043.15	0.33313	9.82E-03	1.00E-02	1.00E-02
131	486733.18	3856043.15	0.33062	9.74E-03	9.94E-03	9.93E-03
132	486783.18	3856043.15	0.32967	9.71E-03	9.91E-03	9.90E-03
133	486533.18	3856093.15	0.32583	9.60E-03	9.80E-03	9.79E-03
134	486583.18	3856093.15	0.3273	9.64E-03	9.84E-03	9.83E-03
135	486633.18	3856093.15	0.32343	9.53E-03	9.72E-03	9.71E-03
136	486683.18	3856093.15	0.32849	9.68E-03	9.88E-03	9.87E-03
137	486733.18	3856093.15	0.32863	9.68E-03	9.88E-03	9.87E-03
138	486783.18	3856093.15	0.32493	9.57E-03	9.77E-03	9.76E-03
139	486533.18	3856143.15	0.32396	9.55E-03	9.74E-03	9.73E-03
140	486583.18	3856143.15	0.32416	9.55E-03	9.75E-03	9.74E-03
141	486633.18	3856143.15	0.32253	9.50E-03	9.70E-03	9.69E-03
142	486683.18	3856143.15	0.32281	9.51E-03	9.71E-03	9.69E-03
143	486733.18	3856143.15	0.32485	9.57E-03	9.77E-03	9.76E-03
144	486783.18	3856143.15	0.32368	9.54E-03	9.73E-03	9.72E-03
145	486533.18	3856193.15	0.33355	9.83E-03	1.00E-02	1.00E-02
146	486583.18	3856193.15	0.3186	9.39E-03	9.58E-03	9.57E-03
147	486633.18	3856193.15	0.31889	9.40E-03	9.59E-03	9.58E-03
148	486683.18	3856193.15	0.31984	9.42E-03	9.62E-03	9.61E-03
149	486733.18	3856193.15	0.32039	9.44E-03	9.63E-03	9.62E-03
150	486783.18	3856193.15	0.32	9.43E-03	9.62E-03	9.61E-03
151	486533.18	3856243.15	0.34327	1.01E-02	1.03E-02	1.03E-02
152	486583.18	3856243.15	0.33551	9.89E-03	1.01E-02	1.01E-02
153	486633.18	3856243.15	0.3143	9.26E-03	9.45E-03	9.44E-03
154	486683.18	3856243.15	0.32338	9.53E-03	9.72E-03	9.71E-03
155	486733.18	3856243.15	0.31603	9.31E-03	9.50E-03	9.49E-03
156	486783.18	3856243.15	0.31848	9.38E-03	9.58E-03	9.56E-03
157	486533.18	3856293.15	0.34136	1.01E-02	1.03E-02	1.03E-02
158	486583.18	3856293.15	0.34021	1.00E-02	1.02E-02	1.02E-02
159	486633.18	3856293.15	0.33679	9.92E-03	1.01E-02	1.01E-02
160	486683.18	3856293.15	0.32862	9.68E-03	9.88E-03	9.87E-03
161	486733.18	3856293.15	0.32172	9.48E-03	9.67E-03	9.66E-03
162	486783.18	3856293.15	0.3121	9.20E-03	9.38E-03	9.37E-03
163	486783.18	3856343.15	0.31866	9.39E-03	9.58E-03	9.57E-03
164	486833.18	3856343.15	0.30774	9.07E-03	9.25E-03	9.24E-03
165	486883.18	3856343.15	0.30894	9.10E-03	9.29E-03	9.28E-03
166	486783.18	3856393.15	0.32396	9.55E-03	9.74E-03	9.73E-03
167	486833.18	3856393.15	0.31617	9.32E-03	9.51E-03	9.50E-03
168	486883.18	3856393.15	0.30624	9.02E-03	9.21E-03	9.20E-03
169	487208.74	3856886.11	0.30329	8.94E-03	9.12E-03	9.11E-03
170	487258.74	3856886.11	0.30172	8.89E-03	9.07E-03	9.06E-03
171	487308.74	3856886.11	0.29443	8.68E-03	8.85E-03	8.84E-03
172	487358.74	3856886.11	0.28972	8.54E-03	8.71E-03	8.70E-03
173	487208.74	3856936.11	0.3081	9.08E-03	9.26E-03	9.25E-03
174	487258.74	3856936.11	0.30262	8.92E-03	9.10E-03	9.09E-03
175	487308.74	3856936.11	0.29864	8.80E-03	8.98E-03	8.97E-03
176	487358.74	3856936.11	0.2943	8.67E-03	8.85E-03	8.84E-03
177	487208.74	3856986.11	0.31094	9.16E-03	9.35E-03	9.34E-03
178	487258.74	3856986.11	0.31458	9.27E-03	9.46E-03	9.45E-03
179	487308.74	3856986.11	0.30716	9.05E-03	9.24E-03	9.22E-03
180	487358.74	3856986.11	0.29698	8.75E-03	8.93E-03	8.92E-03
181	487208.74	3857036.11	0.30761	9.06E-03	9.25E-03	9.24E-03
182	487258.74	3857036.11	0.312	9.19E-03	9.38E-03	9.37E-03
183	487308.74	3857036.11	0.31465	9.27E-03	9.46E-03	9.45E-03
184	487358.74	3857036.11	0.30445	8.97E-03	9.15E-03	9.14E-03
185	487427.14	3856878.23	0.28946	8.53E-03	8.70E-03	8.69E-03

186	487477.14	3856878.23	0.29071	8.57E-03	8.74E-03	8.73E-03
187	487527.14	3856878.23	0.29736	8.76E-03	8.94E-03	8.93E-03
188	487427.14	3856928.23	0.29022	8.55E-03	8.73E-03	8.72E-03
189	487477.14	3856928.23	0.29128	8.58E-03	8.76E-03	8.75E-03
190	487527.14	3856928.23	0.29352	8.65E-03	8.83E-03	8.82E-03
191	487577.14	3856928.23	0.29744	8.76E-03	8.94E-03	8.93E-03
192	487627.14	3856928.23	0.302	8.90E-03	9.08E-03	9.07E-03
193	487677.14	3856928.23	0.30909	9.11E-03	9.29E-03	9.28E-03
194	487727.14	3856928.23	0.3125	9.21E-03	9.40E-03	9.39E-03
195	487777.14	3856928.23	0.30636	9.03E-03	9.21E-03	9.20E-03
196	487427.14	3856978.23	0.29386	8.66E-03	8.84E-03	8.83E-03
197	487477.14	3856978.23	0.29084	8.57E-03	8.74E-03	8.73E-03
198	487527.14	3856978.23	0.29509	8.70E-03	8.87E-03	8.86E-03
199	487577.14	3856978.23	0.29797	8.78E-03	8.96E-03	8.95E-03
200	487627.14	3856978.23	0.29901	8.81E-03	8.99E-03	8.98E-03
201	487677.14	3856978.23	0.30486	8.98E-03	9.17E-03	9.16E-03
202	487727.14	3856978.23	0.30918	9.11E-03	9.30E-03	9.29E-03
203	487777.14	3856978.23	0.31634	9.32E-03	9.51E-03	9.50E-03
204	487427.14	3857028.23	0.29542	8.70E-03	8.88E-03	8.87E-03
205	487477.14	3857028.23	0.29373	8.66E-03	8.83E-03	8.82E-03
206	487527.14	3857028.23	0.29824	8.79E-03	8.97E-03	8.96E-03
207	487577.14	3857028.23	0.29774	8.77E-03	8.95E-03	8.94E-03
208	487627.14	3857028.23	0.30044	8.85E-03	9.03E-03	9.02E-03
209	487677.14	3857028.23	0.3015	8.88E-03	9.07E-03	9.05E-03
210	487727.14	3857028.23	0.30778	9.07E-03	9.25E-03	9.24E-03
211	487777.14	3857028.23	0.3146	9.27E-03	9.46E-03	9.45E-03
212	487427.14	3857078.23	0.29719	8.76E-03	8.94E-03	8.93E-03
213	487477.14	3857078.23	0.29473	8.68E-03	8.86E-03	8.85E-03
214	487527.14	3857078.23	0.29521	8.70E-03	8.88E-03	8.87E-03
215	487577.14	3857078.23	0.30168	8.89E-03	9.07E-03	9.06E-03
216	487627.14	3857078.23	0.30005	8.84E-03	9.02E-03	9.01E-03
217	487677.14	3857078.23	0.30272	8.92E-03	9.10E-03	9.09E-03
218	487727.14	3857078.23	0.30499	8.99E-03	9.17E-03	9.16E-03
219	487777.14	3857078.23	0.30964	9.12E-03	9.31E-03	9.30E-03
220	487427.14	3857128.23	0.30525	8.99E-03	9.18E-03	9.17E-03
221	487477.14	3857128.23	0.29566	8.71E-03	8.89E-03	8.88E-03
222	487527.14	3857128.23	0.29446	8.68E-03	8.85E-03	8.84E-03
223	487577.14	3857128.23	0.30792	9.07E-03	9.26E-03	9.25E-03
224	487627.14	3857128.23	0.30493	8.99E-03	9.17E-03	9.16E-03
225	487677.14	3857128.23	0.30502	8.99E-03	9.17E-03	9.16E-03
226	487727.14	3857128.23	0.30493	8.99E-03	9.17E-03	9.16E-03
227	487777.14	3857128.23	0.30734	9.06E-03	9.24E-03	9.23E-03
228	488049.44	3856539.39	0.26959	7.94E-03	8.11E-03	8.10E-03
229	488099.44	3856539.39	0.26883	7.92E-03	8.08E-03	8.07E-03
230	488149.44	3856539.39	0.26319	7.76E-03	7.91E-03	7.90E-03
231	488049.44	3856589.39	0.26615	7.84E-03	8.00E-03	7.99E-03
232	488099.44	3856589.39	0.27054	7.97E-03	8.13E-03	8.13E-03
233	488149.44	3856589.39	0.27225	8.02E-03	8.19E-03	8.18E-03
234	488199.44	3856589.39	0.26437	7.79E-03	7.95E-03	7.94E-03
235	488249.44	3856589.39	0.25772	7.59E-03	7.75E-03	7.74E-03
236	488049.44	3856639.39	0.27289	8.04E-03	8.21E-03	8.20E-03
237	488099.44	3856639.39	0.27641	8.14E-03	8.31E-03	8.30E-03
238	488149.44	3856639.39	0.27382	8.07E-03	8.23E-03	8.22E-03
239	488199.44	3856639.39	0.26699	7.87E-03	8.03E-03	8.02E-03
240	488249.44	3856639.39	0.26848	7.91E-03	8.07E-03	8.06E-03
241	488299.44	3856639.39	0.26252	7.74E-03	7.89E-03	7.88E-03
242	488349.44	3856639.39	0.2537	7.48E-03	7.63E-03	7.62E-03
243	488399.44	3856639.39	0.24973	7.36E-03	7.51E-03	7.50E-03
244	488099.44	3856689.39	0.27334	8.05E-03	8.22E-03	8.21E-03
245	488149.44	3856689.39	0.27445	8.09E-03	8.25E-03	8.24E-03
246	488199.44	3856689.39	0.2677	7.89E-03	8.05E-03	8.04E-03
247	488249.44	3856689.39	0.26211	7.72E-03	7.88E-03	7.87E-03
248	488299.44	3856689.39	0.27132	7.99E-03	8.16E-03	8.15E-03

249	488349.44	3856689.39	0.26416	7.78E-03	7.94E-03	7.93E-03
250	488399.44	3856689.39	0.25743	7.59E-03	7.74E-03	7.73E-03
251	488099.44	3856739.39	0.28583	8.42E-03	8.59E-03	8.58E-03
252	488149.44	3856739.39	0.27569	8.12E-03	8.29E-03	8.28E-03
253	488199.44	3856739.39	0.27201	8.02E-03	8.18E-03	8.17E-03
254	488249.44	3856739.39	0.26671	7.86E-03	8.02E-03	8.01E-03
255	488299.44	3856739.39	0.26002	7.66E-03	7.82E-03	7.81E-03
256	488349.44	3856739.39	0.2655	7.82E-03	7.98E-03	7.97E-03
257	488399.44	3856739.39	0.27057	7.97E-03	8.14E-03	8.13E-03
258	487999.44	3856789.39	0.29668	8.74E-03	8.92E-03	8.91E-03
259	488049.44	3856789.39	0.29492	8.69E-03	8.87E-03	8.86E-03
260	488099.44	3856789.39	0.29725	8.76E-03	8.94E-03	8.93E-03
261	488149.44	3856789.39	0.28815	8.49E-03	8.66E-03	8.65E-03
262	488199.44	3856789.39	0.27753	8.18E-03	8.34E-03	8.33E-03
263	488249.44	3856789.39	0.26846	7.91E-03	8.07E-03	8.06E-03
264	488299.44	3856789.39	0.26606	7.84E-03	8.00E-03	7.99E-03
265	488349.44	3856789.39	0.2617	7.71E-03	7.87E-03	7.86E-03
266	488399.44	3856789.39	0.26096	7.69E-03	7.85E-03	7.84E-03
267	487949.44	3856839.39	0.3146	9.27E-03	9.46E-03	9.45E-03
268	487999.44	3856839.39	0.30508	8.99E-03	9.17E-03	9.16E-03
269	488049.44	3856839.39	0.30295	8.93E-03	9.11E-03	9.10E-03
270	488099.44	3856839.39	0.30348	8.94E-03	9.13E-03	9.11E-03
271	488149.44	3856839.39	0.30784	9.07E-03	9.26E-03	9.25E-03
272	488199.44	3856839.39	0.2905	8.56E-03	8.73E-03	8.72E-03
273	487949.44	3856889.39	0.32528	9.58E-03	9.78E-03	9.77E-03
274	487999.44	3856889.39	0.32173	9.48E-03	9.67E-03	9.66E-03
275	488049.44	3856889.39	0.31088	9.16E-03	9.35E-03	9.34E-03
276	488099.44	3856889.39	0.31135	9.17E-03	9.36E-03	9.35E-03
277	488635.86	3857895.05	0.46701	1.38E-02	1.40E-02	1.40E-02
278	489137.64	3857804.15	0.39692	1.17E-02	1.19E-02	1.19E-02
279	488617.32	3857859.41	0.45847	1.35E-02	1.38E-02	1.38E-02
280	488667.32	3857859.41	0.45369	1.34E-02	1.36E-02	1.36E-02
281	488717.32	3857859.41	0.45547	1.34E-02	1.37E-02	1.37E-02
282	488767.32	3857859.41	0.45483	1.34E-02	1.37E-02	1.37E-02
283	488617.32	3857909.41	0.47742	1.41E-02	1.44E-02	1.43E-02
284	488667.32	3857909.41	0.46974	1.38E-02	1.41E-02	1.41E-02
285	488717.32	3857909.41	0.46587	1.37E-02	1.40E-02	1.40E-02
286	488767.32	3857909.41	0.46271	1.36E-02	1.39E-02	1.39E-02
287	488417.32	3857959.41	0.53334	1.57E-02	1.60E-02	1.60E-02
288	488467.32	3857959.41	0.52659	1.55E-02	1.58E-02	1.58E-02
289	488517.32	3857959.41	0.52234	1.54E-02	1.57E-02	1.57E-02
290	488567.32	3857959.41	0.50899	1.50E-02	1.53E-02	1.53E-02
291	488617.32	3857959.41	0.49711	1.46E-02	1.49E-02	1.49E-02
292	488667.32	3857959.41	0.48683	1.43E-02	1.46E-02	1.46E-02
293	488717.32	3857959.41	0.47992	1.41E-02	1.44E-02	1.44E-02
294	488767.32	3857959.41	0.47862	1.41E-02	1.44E-02	1.44E-02
295	488417.32	3858009.41	0.57102	1.68E-02	1.72E-02	1.71E-02
296	488467.32	3858009.41	0.55039	1.62E-02	1.65E-02	1.65E-02
297	488517.32	3858009.41	0.54022	1.59E-02	1.62E-02	1.62E-02
298	488567.32	3858009.41	0.52993	1.56E-02	1.59E-02	1.59E-02
299	488617.32	3858009.41	0.51665	1.52E-02	1.55E-02	1.55E-02
300	488667.32	3858009.41	0.50867	1.50E-02	1.53E-02	1.53E-02
301	488717.32	3858009.41	0.49668	1.46E-02	1.49E-02	1.49E-02
302	488767.32	3858009.41	0.49232	1.45E-02	1.48E-02	1.48E-02
303	488417.32	3858059.41	0.5377	1.58E-02	1.62E-02	1.61E-02
304	488467.32	3858059.41	0.60085	1.77E-02	1.81E-02	1.80E-02
305	488517.32	3858059.41	0.57962	1.71E-02	1.74E-02	1.74E-02
306	488567.32	3858059.41	0.55385	1.63E-02	1.67E-02	1.66E-02
307	488617.32	3858059.41	0.54108	1.59E-02	1.63E-02	1.63E-02
308	488667.32	3858059.41	0.53285	1.57E-02	1.60E-02	1.60E-02
309	488417.32	3858109.41	0.57179	1.68E-02	1.72E-02	1.72E-02
310	488467.32	3858109.41	0.60245	1.78E-02	1.81E-02	1.81E-02
311	488517.32	3858109.41	0.61774	1.82E-02	1.86E-02	1.86E-02

312	488567.32	3858109.41	0.59085	1.74E-02	1.78E-02	1.77E-02
313	488617.32	3858109.41	0.56418	1.66E-02	1.70E-02	1.69E-02
314	488667.32	3858109.41	0.55729	1.64E-02	1.68E-02	1.67E-02
315	488769.93	3858449.27	0.82244	2.42E-02	2.47E-02	2.47E-02
316	488819.93	3858449.27	0.791	2.33E-02	2.38E-02	2.38E-02
317	488819.93	3858499.27	0.86274	2.54E-02	2.59E-02	2.59E-02
318	488869.93	3858499.27	0.82327	2.43E-02	2.48E-02	2.47E-02
319	488869.93	3858549.27	0.90375	2.66E-02	2.72E-02	2.71E-02
320	489438.17	3859571.48	2.92365	8.61E-02	8.79E-02	8.78E-02
321	489488.17	3859571.48	3.14342	9.26E-02	9.45E-02	9.44E-02
322	489538.17	3859571.48	3.36445	9.91E-02	1.01E-01	1.01E-01
323	489588.17	3859571.48	3.5669	1.05E-01	1.07E-01	1.07E-01
324	489438.17	3859621.48	2.58819	7.63E-02	7.78E-02	7.77E-02
325	489488.17	3859621.48	2.77539	8.18E-02	8.35E-02	8.34E-02
326	489538.17	3859621.48	2.96766	8.74E-02	8.92E-02	8.91E-02
327	489588.17	3859621.48	3.18763	9.39E-02	9.58E-02	9.57E-02
328	489238.17	3859671.48	1.93169	5.69E-02	5.81E-02	5.80E-02
329	489288.17	3859671.48	2.00871	5.92E-02	6.04E-02	6.03E-02
330	489338.17	3859671.48	2.09609	6.18E-02	6.30E-02	6.30E-02
331	489388.17	3859671.48	2.20188	6.49E-02	6.62E-02	6.61E-02
332	489438.17	3859671.48	2.32023	6.84E-02	6.98E-02	6.97E-02
333	489488.17	3859671.48	2.45716	7.24E-02	7.39E-02	7.38E-02
334	489538.17	3859671.48	2.62864	7.75E-02	7.90E-02	7.89E-02
335	489588.17	3859671.48	2.83437	8.35E-02	8.52E-02	8.51E-02
336	489238.17	3859721.48	1.78368	5.26E-02	5.36E-02	5.36E-02
337	489288.17	3859721.48	1.85627	5.47E-02	5.58E-02	5.57E-02
338	489338.17	3859721.48	1.92773	5.68E-02	5.80E-02	5.79E-02
339	489388.17	3859721.48	2.03232	5.99E-02	6.11E-02	6.10E-02
340	489438.17	3859721.48	2.13513	6.29E-02	6.42E-02	6.41E-02
341	489488.17	3859721.48	2.25133	6.63E-02	6.77E-02	6.76E-02
342	489538.17	3859721.48	2.37038	6.98E-02	7.13E-02	7.12E-02
343	489588.17	3859721.48	2.50097	7.37E-02	7.52E-02	7.51E-02
344	489238.17	3859771.48	1.67881	4.95E-02	5.05E-02	5.04E-02
345	489288.17	3859771.48	1.74338	5.14E-02	5.24E-02	5.24E-02
346	489338.17	3859771.48	1.80089	5.31E-02	5.41E-02	5.41E-02
347	489388.17	3859771.48	1.89222	5.58E-02	5.69E-02	5.68E-02
348	489438.17	3859771.48	1.97323	5.81E-02	5.93E-02	5.93E-02
349	489488.17	3859771.48	2.07544	6.12E-02	6.24E-02	6.23E-02
350	489538.17	3859771.48	2.17745	6.42E-02	6.55E-02	6.54E-02
351	489588.17	3859771.48	2.27266	6.70E-02	6.83E-02	6.83E-02
352	489238.17	3859821.48	1.58217	4.66E-02	4.76E-02	4.75E-02
353	489288.17	3859821.48	1.64229	4.84E-02	4.94E-02	4.93E-02
354	489338.17	3859821.48	1.6957	5.00E-02	5.10E-02	5.09E-02
355	489388.17	3859821.48	1.7644	5.20E-02	5.31E-02	5.30E-02
356	489438.17	3859821.48	1.8368	5.41E-02	5.52E-02	5.52E-02
357	489488.17	3859821.48	1.91188	5.63E-02	5.75E-02	5.74E-02
358	489538.17	3859821.48	1.99099	5.87E-02	5.99E-02	5.98E-02
359	489588.17	3859821.48	2.07549	6.12E-02	6.24E-02	6.23E-02
360	489238.17	3859871.48	1.4768	4.35E-02	4.44E-02	4.44E-02
361	489288.17	3859871.48	1.53167	4.51E-02	4.61E-02	4.60E-02
362	489338.17	3859871.48	1.59038	4.69E-02	4.78E-02	4.78E-02
363	489388.17	3859871.48	1.65533	4.88E-02	4.98E-02	4.97E-02
364	489438.17	3859871.48	1.71919	5.07E-02	5.17E-02	5.16E-02
365	489488.17	3859871.48	1.77578	5.23E-02	5.34E-02	5.33E-02
366	489538.17	3859871.48	1.83876	5.42E-02	5.53E-02	5.52E-02
367	489588.17	3859871.48	1.91719	5.65E-02	5.76E-02	5.76E-02
368	489238.17	3859921.48	1.40855	4.15E-02	4.24E-02	4.23E-02
369	489288.17	3859921.48	1.45481	4.29E-02	4.37E-02	4.37E-02
370	489338.17	3859921.48	1.50142	4.42E-02	4.51E-02	4.51E-02
371	489388.17	3859921.48	1.55612	4.59E-02	4.68E-02	4.67E-02
372	489438.17	3859921.48	1.60741	4.74E-02	4.83E-02	4.83E-02
373	489488.17	3859921.48	1.6544	4.87E-02	4.97E-02	4.97E-02
374	489538.17	3859921.48	1.70513	5.02E-02	5.13E-02	5.12E-02

375	489588.17	3859921.48	1.76021	5.19E-02	5.29E-02	5.29E-02
376	489238.17	3859971.48	1.3368	3.94E-02	4.02E-02	4.01E-02
377	489288.17	3859971.48	1.37723	4.06E-02	4.14E-02	4.14E-02
378	489338.17	3859971.48	1.42133	4.19E-02	4.27E-02	4.27E-02
379	489388.17	3859971.48	1.46472	4.32E-02	4.40E-02	4.40E-02
380	489438.17	3859971.48	1.49645	4.41E-02	4.50E-02	4.49E-02
381	489488.17	3859971.48	1.49566	4.41E-02	4.50E-02	4.49E-02
382	489538.17	3859971.48	1.49412	4.40E-02	4.49E-02	4.49E-02
383	489588.17	3859971.48	1.52481	4.49E-02	4.58E-02	4.58E-02
384	483577.7	3854071	0.9846	2.90E-02	2.96E-02	2.96E-02
385	483627.7	3854071	0.94311	2.78E-02	2.84E-02	2.83E-02
386	483677.7	3854071	0.97798	2.88E-02	2.94E-02	2.94E-02
387	483727.7	3854071	1.00067	2.95E-02	3.01E-02	3.01E-02
388	483777.7	3854071	0.94904	2.80E-02	2.85E-02	2.85E-02
389	483577.7	3854121	0.96324	2.84E-02	2.90E-02	2.89E-02
390	483627.7	3854121	0.91246	2.69E-02	2.74E-02	2.74E-02
391	483677.7	3854121	0.90347	2.66E-02	2.72E-02	2.71E-02
392	483727.7	3854121	0.93909	2.77E-02	2.82E-02	2.82E-02
393	483777.7	3854121	0.95692	2.82E-02	2.88E-02	2.87E-02
394	483577.7	3854171	0.91787	2.70E-02	2.76E-02	2.76E-02
395	483627.7	3854171	0.88526	2.61E-02	2.66E-02	2.66E-02
396	483677.7	3854171	0.88475	2.61E-02	2.66E-02	2.66E-02
397	483727.7	3854171	0.8524	2.51E-02	2.56E-02	2.56E-02
398	483777.7	3854171	0.89048	2.62E-02	2.68E-02	2.67E-02
399	483827.7	3854171	0.90009	2.65E-02	2.71E-02	2.70E-02
400	483877.7	3854171	0.85291	2.51E-02	2.56E-02	2.56E-02
401	483727.7	3854221	0.84808	2.50E-02	2.55E-02	2.55E-02
402	483777.7	3854221	0.80084	2.36E-02	2.41E-02	2.41E-02
403	483827.7	3854221	0.8486	2.50E-02	2.55E-02	2.55E-02
404	483877.7	3854221	0.86182	2.54E-02	2.59E-02	2.59E-02
405	489150.19	3858726.45	1.38612	4.08E-02	4.17E-02	4.16E-02
406	489200.19	3858726.45	1.33807	3.94E-02	4.02E-02	4.02E-02
407	489150.19	3858776.45	1.72954	5.10E-02	5.20E-02	5.19E-02
408	489200.19	3858776.45	1.75536	5.17E-02	5.28E-02	5.27E-02
409	488919.6	3856400.76	0.29992	8.84E-03	9.02E-03	9.01E-03
410	488919.6	3856450.76	0.28843	8.50E-03	8.67E-03	8.66E-03
411	488969.6	3856450.76	0.29356	8.65E-03	8.83E-03	8.82E-03
412	488919.6	3856500.76	0.27471	8.09E-03	8.26E-03	8.25E-03
413	488969.6	3856500.76	0.28041	8.26E-03	8.43E-03	8.42E-03
414	488919.6	3856550.76	0.2666	7.86E-03	8.02E-03	8.01E-03
415	488969.6	3856550.76	0.26666	7.86E-03	8.02E-03	8.01E-03
416	488819.6	3856600.76	0.26155	7.71E-03	7.86E-03	7.86E-03
417	488869.6	3856600.76	0.25981	7.66E-03	7.81E-03	7.80E-03
418	488919.6	3856600.76	0.27054	7.97E-03	8.13E-03	8.13E-03
419	488819.6	3856650.76	0.26855	7.91E-03	8.07E-03	8.07E-03
420	488869.6	3856650.76	0.25721	7.58E-03	7.73E-03	7.72E-03
421	488819.6	3856700.76	0.28137	8.29E-03	8.46E-03	8.45E-03
422	488869.6	3856700.76	0.27124	7.99E-03	8.16E-03	8.15E-03
423	488819.6	3856750.76	0.2847	8.39E-03	8.56E-03	8.55E-03
424	488869.6	3856750.76	0.28495	8.40E-03	8.57E-03	8.56E-03
425	488819.6	3857050.76	0.27979	8.24E-03	8.41E-03	8.40E-03
426	488869.6	3857050.76	0.27017	7.96E-03	8.12E-03	8.11E-03
427	488919.6	3857050.76	0.261	7.69E-03	7.85E-03	7.84E-03
428	488819.6	3857100.76	0.29417	8.67E-03	8.85E-03	8.83E-03
429	488869.6	3857100.76	0.28341	8.35E-03	8.52E-03	8.51E-03
430	488919.6	3857100.76	0.27034	7.97E-03	8.13E-03	8.12E-03
431	488819.6	3857150.76	0.29833	8.79E-03	8.97E-03	8.96E-03
432	488869.6	3857150.76	0.2978	8.78E-03	8.95E-03	8.94E-03
433	488919.6	3857150.76	0.28739	8.47E-03	8.64E-03	8.63E-03
434	488969.6	3857150.76	0.27233	8.02E-03	8.19E-03	8.18E-03
435	488819.6	3857200.76	0.29194	8.60E-03	8.78E-03	8.77E-03
436	488869.6	3857200.76	0.31202	9.19E-03	9.38E-03	9.37E-03
437	488919.6	3857200.76	0.30133	8.88E-03	9.06E-03	9.05E-03

438	488969.6	3857200.76	0.29103	8.58E-03	8.75E-03	8.74E-03
439	488819.6	3857250.76	0.29884	8.81E-03	8.99E-03	8.97E-03
440	488869.6	3857250.76	0.31121	9.17E-03	9.36E-03	9.35E-03
441	488919.6	3857250.76	0.31491	9.28E-03	9.47E-03	9.46E-03
442	488969.6	3857250.76	0.30454	8.97E-03	9.16E-03	9.15E-03
443	488819.6	3857300.76	0.30721	9.05E-03	9.24E-03	9.23E-03
444	488869.6	3857300.76	0.30626	9.02E-03	9.21E-03	9.20E-03
445	488919.6	3857300.76	0.32509	9.58E-03	9.77E-03	9.76E-03
446	488819.6	3857450.76	0.3634	1.07E-02	1.09E-02	1.09E-02
447	488869.6	3857450.76	0.3489	1.03E-02	1.05E-02	1.05E-02
448	488919.6	3857450.76	0.33128	9.76E-03	9.96E-03	9.95E-03
449	488819.6	3857500.76	0.36511	1.08E-02	1.10E-02	1.10E-02
450	488869.6	3857500.76	0.3686	1.09E-02	1.11E-02	1.11E-02
451	488919.6	3857500.76	0.35335	1.04E-02	1.06E-02	1.06E-02
452	488819.6	3857550.76	0.39128	1.15E-02	1.18E-02	1.18E-02
453	488869.6	3857550.76	0.36215	1.07E-02	1.09E-02	1.09E-02
454	488919.6	3857550.76	0.36718	1.08E-02	1.10E-02	1.10E-02
455	489663.71	3860900.05	0.64551	1.90E-02	1.94E-02	1.94E-02
456	489813.71	3860900.05	0.66508	1.96E-02	2.00E-02	2.00E-02
457	489863.71	3860900.05	0.67313	1.98E-02	2.02E-02	2.02E-02
458	489913.71	3860900.05	0.6808	2.01E-02	2.05E-02	2.04E-02
459	489963.71	3860900.05	0.68411	2.02E-02	2.06E-02	2.05E-02
460	490013.71	3860900.05	0.69535	2.05E-02	2.09E-02	2.09E-02
461	490063.71	3860900.05	0.70017	2.06E-02	2.11E-02	2.10E-02
462	489663.71	3860950.05	0.62939	1.85E-02	1.89E-02	1.89E-02
463	489813.71	3860950.05	0.64318	1.90E-02	1.93E-02	1.93E-02
464	489863.71	3860950.05	0.6447	1.90E-02	1.94E-02	1.94E-02
465	489913.71	3860950.05	0.64802	1.91E-02	1.95E-02	1.95E-02
466	489963.71	3860950.05	0.65034	1.92E-02	1.96E-02	1.95E-02
467	490013.71	3860950.05	0.65498	1.93E-02	1.97E-02	1.97E-02
468	490063.71	3860950.05	0.66163	1.95E-02	1.99E-02	1.99E-02
469	489513.71	3861000.05	0.57944	1.71E-02	1.74E-02	1.74E-02
470	489563.71	3861000.05	0.58135	1.71E-02	1.75E-02	1.75E-02
471	489613.71	3861000.05	0.5947	1.75E-02	1.79E-02	1.79E-02
472	489663.71	3861000.05	0.60582	1.79E-02	1.82E-02	1.82E-02
473	489713.71	3861000.05	0.60709	1.79E-02	1.83E-02	1.82E-02
474	489763.71	3861000.05	0.60709	1.79E-02	1.83E-02	1.82E-02
475	489813.71	3861000.05	0.61569	1.81E-02	1.85E-02	1.85E-02
476	489863.71	3861000.05	0.61464	1.81E-02	1.85E-02	1.85E-02
477	489913.71	3861000.05	0.6178	1.82E-02	1.86E-02	1.86E-02
478	489963.71	3861000.05	0.61759	1.82E-02	1.86E-02	1.85E-02
479	490013.71	3861000.05	0.6228	1.84E-02	1.87E-02	1.87E-02
480	490063.71	3861000.05	0.63627	1.87E-02	1.91E-02	1.91E-02
481	489513.71	3861050.05	0.55294	1.63E-02	1.66E-02	1.66E-02
482	489563.71	3861050.05	0.55712	1.64E-02	1.68E-02	1.67E-02
483	489613.71	3861050.05	0.57025	1.68E-02	1.71E-02	1.71E-02
484	489663.71	3861050.05	0.57564	1.70E-02	1.73E-02	1.73E-02
485	489713.71	3861050.05	0.57371	1.69E-02	1.73E-02	1.72E-02
486	489763.71	3861050.05	0.57339	1.69E-02	1.72E-02	1.72E-02
487	489813.71	3861050.05	0.5871	1.73E-02	1.77E-02	1.76E-02
488	489863.71	3861050.05	0.5868	1.73E-02	1.76E-02	1.76E-02
489	489913.71	3861050.05	0.58723	1.73E-02	1.77E-02	1.76E-02
490	489963.71	3861050.05	0.58889	1.74E-02	1.77E-02	1.77E-02
491	490013.71	3861050.05	0.60278	1.78E-02	1.81E-02	1.81E-02
492	490063.71	3861050.05	0.60413	1.78E-02	1.82E-02	1.81E-02
493	489513.71	3861100.05	0.53801	1.59E-02	1.62E-02	1.62E-02
494	489563.71	3861100.05	0.53707	1.58E-02	1.61E-02	1.61E-02
495	489613.71	3861100.05	0.5367	1.58E-02	1.61E-02	1.61E-02
496	489663.71	3861100.05	0.54242	1.60E-02	1.63E-02	1.63E-02
497	489713.71	3861100.05	0.54179	1.60E-02	1.63E-02	1.63E-02
498	489763.71	3861100.05	0.5517	1.63E-02	1.66E-02	1.66E-02
499	489813.71	3861100.05	0.56002	1.65E-02	1.68E-02	1.68E-02
500	489863.71	3861100.05	0.56179	1.66E-02	1.69E-02	1.69E-02

501	489913.71	3861100.05	0.55943	1.65E-02	1.68E-02	1.68E-02
502	489963.71	3861100.05	0.56249	1.66E-02	1.69E-02	1.69E-02
503	490013.71	3861100.05	0.56063	1.65E-02	1.69E-02	1.68E-02
504	490063.71	3861100.05	0.56073	1.65E-02	1.69E-02	1.68E-02
505	489713.71	3861150.05	0.5187	1.53E-02	1.56E-02	1.56E-02
506	489763.71	3861150.05	0.52529	1.55E-02	1.58E-02	1.58E-02
507	489813.71	3861150.05	0.52778	1.56E-02	1.59E-02	1.59E-02
508	489863.71	3861150.05	0.52939	1.56E-02	1.59E-02	1.59E-02
509	489913.71	3861150.05	0.53176	1.57E-02	1.60E-02	1.60E-02
510	489963.71	3861150.05	0.53038	1.56E-02	1.59E-02	1.59E-02
511	490013.71	3861150.05	0.53042	1.56E-02	1.59E-02	1.59E-02
512	490063.71	3861150.05	0.53199	1.57E-02	1.60E-02	1.60E-02
513	489613.71	3861200.05	0.49058	1.45E-02	1.48E-02	1.47E-02
514	489663.71	3861200.05	0.49079	1.45E-02	1.48E-02	1.47E-02
515	489713.71	3861200.05	0.49416	1.46E-02	1.49E-02	1.48E-02
516	489763.71	3861200.05	0.50532	1.49E-02	1.52E-02	1.52E-02
517	489813.71	3861200.05	0.50661	1.49E-02	1.52E-02	1.52E-02
518	489863.71	3861200.05	0.5081	1.50E-02	1.53E-02	1.53E-02
519	489913.71	3861200.05	0.50758	1.50E-02	1.53E-02	1.52E-02
520	489963.71	3861200.05	0.50623	1.49E-02	1.52E-02	1.52E-02
521	490013.71	3861200.05	0.50583	1.49E-02	1.52E-02	1.52E-02
522	490063.71	3861200.05	0.50464	1.49E-02	1.52E-02	1.52E-02
523	489513.71	3861250.05	0.46995	1.38E-02	1.41E-02	1.41E-02
524	489563.71	3861250.05	0.471	1.39E-02	1.42E-02	1.41E-02
525	489613.71	3861250.05	0.47177	1.39E-02	1.42E-02	1.42E-02
526	489663.71	3861250.05	0.47199	1.39E-02	1.42E-02	1.42E-02
527	489713.71	3861250.05	0.47333	1.39E-02	1.42E-02	1.42E-02
528	489763.71	3861250.05	0.48459	1.43E-02	1.46E-02	1.46E-02
529	489813.71	3861250.05	0.48434	1.43E-02	1.46E-02	1.45E-02
530	489863.71	3861250.05	0.48426	1.43E-02	1.46E-02	1.45E-02
531	489913.71	3861250.05	0.484	1.43E-02	1.46E-02	1.45E-02
532	489963.71	3861250.05	0.48287	1.42E-02	1.45E-02	1.45E-02
533	490013.71	3861250.05	0.48358	1.42E-02	1.45E-02	1.45E-02
534	490063.71	3861250.05	0.48428	1.43E-02	1.46E-02	1.45E-02
535	489528.13	3861308.47	0.45042	1.33E-02	1.35E-02	1.35E-02
536	489578.13	3861308.47	0.4517	1.33E-02	1.36E-02	1.36E-02
537	489628.13	3861308.47	0.453	1.33E-02	1.36E-02	1.36E-02
538	489678.13	3861308.47	0.45483	1.34E-02	1.37E-02	1.37E-02
539	489728.13	3861308.47	0.45666	1.35E-02	1.37E-02	1.37E-02
540	489778.13	3861308.47	0.45745	1.35E-02	1.38E-02	1.37E-02
541	489678.13	3861358.47	0.44038	1.30E-02	1.32E-02	1.32E-02
542	489728.13	3861358.47	0.43331	1.28E-02	1.30E-02	1.30E-02
543	489528.13	3861408.47	0.4233	1.25E-02	1.27E-02	1.27E-02
544	489578.13	3861408.47	0.42261	1.25E-02	1.27E-02	1.27E-02
545	489628.13	3861408.47	0.42168	1.24E-02	1.27E-02	1.27E-02
546	489678.13	3861408.47	0.41624	1.23E-02	1.25E-02	1.25E-02
547	489728.13	3861408.47	0.41607	1.23E-02	1.25E-02	1.25E-02
548	489528.13	3861458.47	0.40625	1.20E-02	1.22E-02	1.22E-02
549	489578.13	3861458.47	0.4024	1.19E-02	1.21E-02	1.21E-02
550	489628.13	3861458.47	0.40189	1.18E-02	1.21E-02	1.21E-02
551	489678.13	3861458.47	0.40197	1.18E-02	1.21E-02	1.21E-02
552	489728.13	3861458.47	0.39883	1.18E-02	1.20E-02	1.20E-02
553	489528.13	3861508.47	0.38804	1.14E-02	1.17E-02	1.17E-02
554	489578.13	3861508.47	0.38766	1.14E-02	1.17E-02	1.16E-02
555	489628.13	3861508.47	0.38552	1.14E-02	1.16E-02	1.16E-02
556	489678.13	3861508.47	0.38567	1.14E-02	1.16E-02	1.16E-02
557	489728.13	3861508.47	0.38601	1.14E-02	1.16E-02	1.16E-02
558	489628.13	3861558.47	0.37441	1.10E-02	1.13E-02	1.12E-02
559	489678.13	3861558.47	0.37514	1.11E-02	1.13E-02	1.13E-02
560	489728.13	3861558.47	0.37447	1.10E-02	1.13E-02	1.12E-02
561	489357.08	3861015.81	0.56176	1.66E-02	1.69E-02	1.69E-02
562	489407.08	3861015.81	0.56141	1.65E-02	1.69E-02	1.69E-02
563	489457.08	3861015.81	0.56629	1.67E-02	1.70E-02	1.70E-02

564	489357.08	3861065.81	0.54134	1.60E-02	1.63E-02	1.63E-02
565	489407.08	3861065.81	0.54125	1.59E-02	1.63E-02	1.63E-02
566	489457.08	3861065.81	0.54332	1.60E-02	1.63E-02	1.63E-02
567	489357.08	3861115.81	0.52324	1.54E-02	1.57E-02	1.57E-02
568	489407.08	3861115.81	0.52561	1.55E-02	1.58E-02	1.58E-02
569	489457.08	3861115.81	0.52766	1.55E-02	1.59E-02	1.58E-02
570	489407.08	3861165.81	0.51148	1.51E-02	1.54E-02	1.54E-02
571	489457.08	3861165.81	0.51217	1.51E-02	1.54E-02	1.54E-02
572	489407.08	3861215.81	0.4887	1.44E-02	1.47E-02	1.47E-02
573	489457.08	3861215.81	0.48747	1.44E-02	1.47E-02	1.46E-02
574	489407.08	3861265.81	0.46406	1.37E-02	1.40E-02	1.39E-02
575	489457.08	3861265.81	0.46434	1.37E-02	1.40E-02	1.39E-02
576	489309.86	3861110.14	0.52308	1.54E-02	1.57E-02	1.57E-02
577	489407.08	3861315.81	0.44668	1.32E-02	1.34E-02	1.34E-02
578	489457.08	3861315.81	0.44761	1.32E-02	1.35E-02	1.34E-02
579	488906.03	3861006.75	0.56193	1.66E-02	1.69E-02	1.69E-02
580	488956.03	3861006.75	0.56608	1.67E-02	1.70E-02	1.70E-02
581	488904.24	3861051.87	0.5489	1.62E-02	1.65E-02	1.65E-02
582	488954.24	3861051.87	0.54802	1.61E-02	1.65E-02	1.65E-02
583	489004.24	3861051.87	0.55213	1.63E-02	1.66E-02	1.66E-02
584	488804.24	3861101.87	0.5211	1.54E-02	1.57E-02	1.56E-02
585	488854.24	3861101.87	0.52456	1.55E-02	1.58E-02	1.58E-02
586	488904.24	3861101.87	0.51858	1.53E-02	1.56E-02	1.56E-02
587	488954.24	3861101.87	0.5174	1.52E-02	1.56E-02	1.55E-02
588	489004.24	3861101.87	0.51919	1.53E-02	1.56E-02	1.56E-02
589	488804.24	3861151.87	0.49253	1.45E-02	1.48E-02	1.48E-02
590	488854.24	3861151.87	0.49265	1.45E-02	1.48E-02	1.48E-02
591	489129.49	3861187.55	0.48967	1.44E-02	1.47E-02	1.47E-02
592	489179.49	3861187.55	0.49082	1.45E-02	1.48E-02	1.47E-02
593	488804.24	3861201.87	0.47796	1.41E-02	1.44E-02	1.44E-02
594	488854.24	3861201.87	0.47611	1.40E-02	1.43E-02	1.43E-02
595	489129.49	3861237.55	0.4751	1.40E-02	1.43E-02	1.43E-02
596	489179.49	3861237.55	0.47065	1.39E-02	1.42E-02	1.41E-02
597	488804.24	3861251.87	0.46331	1.37E-02	1.39E-02	1.39E-02
598	488854.24	3861251.87	0.46362	1.37E-02	1.39E-02	1.39E-02
599	488804.24	3861301.87	0.44164	1.30E-02	1.33E-02	1.33E-02
600	488854.24	3861301.87	0.44335	1.31E-02	1.33E-02	1.33E-02
601	490943.5	3860181.97	2.95378	8.70E-02	8.88E-02	8.87E-02
602	490993.5	3860181.97	3.17346	9.35E-02	9.54E-02	9.53E-02
603	491043.5	3860181.97	3.48309	1.03E-01	1.05E-01	1.05E-01
604	491093.5	3860181.97	3.77678	1.11E-01	1.14E-01	1.13E-01
605	490943.5	3860231.97	2.64546	7.80E-02	7.95E-02	7.94E-02
606	490993.5	3860231.97	2.92253	8.61E-02	8.79E-02	8.78E-02
607	491043.5	3860231.97	3.11824	9.19E-02	9.38E-02	9.36E-02
608	491093.5	3860231.97	3.3573	9.89E-02	1.01E-01	1.01E-01
609	490943.5	3860281.97	2.40019	7.07E-02	7.22E-02	7.21E-02
610	490993.5	3860281.97	2.60134	7.67E-02	7.82E-02	7.81E-02
611	491043.5	3860281.97	2.79449	8.23E-02	8.40E-02	8.39E-02
612	491093.5	3860281.97	3.0054	8.86E-02	9.04E-02	9.03E-02
613	490943.5	3860331.97	2.14713	6.33E-02	6.46E-02	6.45E-02
614	490993.5	3860331.97	2.2691	6.69E-02	6.82E-02	6.81E-02
615	491043.5	3860331.97	2.43168	7.17E-02	7.31E-02	7.30E-02
616	491093.5	3860331.97	2.60359	7.67E-02	7.83E-02	7.82E-02
617	490086.72	3859935.12	2.50387	7.38E-02	7.53E-02	7.52E-02
618	490136.72	3859935.12	2.61041	7.69E-02	7.85E-02	7.84E-02
619	490186.72	3859935.12	2.71842	8.01E-02	8.17E-02	8.16E-02
620	490236.72	3859935.12	2.83692	8.36E-02	8.53E-02	8.52E-02
621	490286.72	3859935.12	2.95116	8.70E-02	8.87E-02	8.86E-02
622	490336.72	3859935.12	3.02299	8.91E-02	9.09E-02	9.08E-02
623	490386.72	3859935.12	3.11586	9.18E-02	9.37E-02	9.36E-02
624	490436.72	3859935.12	3.21905	9.49E-02	9.68E-02	9.67E-02
625	490486.72	3859935.12	3.35952	9.90E-02	1.01E-01	1.01E-01
626	490536.72	3859935.12	3.60308	1.06E-01	1.08E-01	1.08E-01

627	490586.72	3859935.12	3.94354	1.16E-01	1.19E-01	1.18E-01
628	490636.72	3859935.12	4.30546	1.27E-01	1.29E-01	1.29E-01
629	490686.72	3859935.12	4.84082	1.43E-01	1.46E-01	1.45E-01
630	490736.72	3859935.12	5.46722	1.61E-01	1.64E-01	1.64E-01
631	490086.72	3859985.12	2.23748	6.59E-02	6.73E-02	6.72E-02
632	490136.72	3859985.12	2.31601	6.82E-02	6.96E-02	6.96E-02
633	490186.72	3859985.12	2.41066	7.10E-02	7.25E-02	7.24E-02
634	490236.72	3859985.12	2.51738	7.42E-02	7.57E-02	7.56E-02
635	490286.72	3859985.12	2.60152	7.67E-02	7.82E-02	7.81E-02
636	490336.72	3859985.12	2.69472	7.94E-02	8.10E-02	8.09E-02
637	490386.72	3859985.12	2.72928	8.04E-02	8.21E-02	8.20E-02
638	490436.72	3859985.12	2.78703	8.21E-02	8.38E-02	8.37E-02
639	490486.72	3859985.12	2.87491	8.47E-02	8.64E-02	8.63E-02
640	490536.72	3859985.12	3.00534	8.86E-02	9.04E-02	9.03E-02
641	490586.72	3859985.12	3.18452	9.38E-02	9.58E-02	9.56E-02
642	490636.72	3859985.12	3.46718	1.02E-01	1.04E-01	1.04E-01
643	490686.72	3859985.12	3.78685	1.12E-01	1.14E-01	1.14E-01
644	490736.72	3859985.12	4.28584	1.26E-01	1.29E-01	1.29E-01
645	490786.72	3859985.12	4.6519	1.37E-01	1.40E-01	1.40E-01
646	490086.72	3860035.12	2.02022	5.95E-02	6.07E-02	6.07E-02
647	490136.72	3860035.12	2.08234	6.14E-02	6.26E-02	6.25E-02
648	490186.72	3860035.12	2.14889	6.33E-02	6.46E-02	6.45E-02
649	490236.72	3860035.12	2.22789	6.56E-02	6.70E-02	6.69E-02
650	490286.72	3860035.12	2.30859	6.80E-02	6.94E-02	6.93E-02
651	490336.72	3860035.12	2.40447	7.09E-02	7.23E-02	7.22E-02
652	490386.72	3860035.12	2.4521	7.23E-02	7.37E-02	7.36E-02
653	490436.72	3860035.12	2.52738	7.45E-02	7.60E-02	7.59E-02
654	490486.72	3860035.12	2.60215	7.67E-02	7.82E-02	7.81E-02
655	490536.72	3860035.12	2.70771	7.98E-02	8.14E-02	8.13E-02
656	490586.72	3860035.12	2.82204	8.32E-02	8.49E-02	8.48E-02
657	490636.72	3860035.12	2.93538	8.65E-02	8.83E-02	8.82E-02
658	490686.72	3860035.12	3.12915	9.22E-02	9.41E-02	9.40E-02
659	490736.72	3860035.12	3.41847	1.01E-01	1.03E-01	1.03E-01
660	490786.72	3860035.12	3.65694	1.08E-01	1.10E-01	1.10E-01
661	490836.72	3860035.12	4.02858	1.19E-01	1.21E-01	1.21E-01
662	490086.72	3860085.12	1.86327	5.49E-02	5.60E-02	5.60E-02
663	490136.72	3860085.12	1.89411	5.58E-02	5.70E-02	5.69E-02
664	490186.72	3860085.12	1.95262	5.75E-02	5.87E-02	5.86E-02
665	490236.72	3860085.12	2.01869	5.95E-02	6.07E-02	6.06E-02
666	490286.72	3860085.12	2.09457	6.17E-02	6.30E-02	6.29E-02
667	490336.72	3860085.12	2.17026	6.39E-02	6.53E-02	6.52E-02
668	490386.72	3860085.12	2.24795	6.62E-02	6.76E-02	6.75E-02
669	490436.72	3860085.12	2.30061	6.78E-02	6.92E-02	6.91E-02
670	490486.72	3860085.12	2.34187	6.90E-02	7.04E-02	7.03E-02
671	490536.72	3860085.12	2.41122	7.10E-02	7.25E-02	7.24E-02
672	490586.72	3860085.12	2.52043	7.43E-02	7.58E-02	7.57E-02
673	490636.72	3860085.12	2.64043	7.78E-02	7.94E-02	7.93E-02
674	490686.72	3860085.12	2.77168	8.17E-02	8.33E-02	8.32E-02
675	490736.72	3860085.12	2.93501	8.65E-02	8.82E-02	8.81E-02
676	490786.72	3860085.12	3.14315	9.26E-02	9.45E-02	9.44E-02
677	490836.72	3860085.12	3.31795	9.78E-02	9.98E-02	9.96E-02
678	490086.72	3860135.12	1.70221	5.02E-02	5.12E-02	5.11E-02
679	490136.72	3860135.12	1.74424	5.14E-02	5.24E-02	5.24E-02
680	490186.72	3860135.12	1.78866	5.27E-02	5.38E-02	5.37E-02
681	490236.72	3860135.12	1.8271	5.38E-02	5.49E-02	5.49E-02
682	490286.72	3860135.12	1.90295	5.61E-02	5.72E-02	5.72E-02
683	490336.72	3860135.12	1.98019	5.83E-02	5.95E-02	5.95E-02
684	490386.72	3860135.12	2.04946	6.04E-02	6.16E-02	6.16E-02
685	490436.72	3860135.12	2.12094	6.25E-02	6.38E-02	6.37E-02
686	490486.72	3860135.12	2.16326	6.37E-02	6.50E-02	6.50E-02
687	490536.72	3860135.12	2.22503	6.56E-02	6.69E-02	6.68E-02
688	490586.72	3860135.12	2.28803	6.74E-02	6.88E-02	6.87E-02
689	490636.72	3860135.12	2.34485	6.91E-02	7.05E-02	7.04E-02

690	490686.72	3860135.12	2.42859	7.16E-02	7.30E-02	7.29E-02
691	490736.72	3860135.12	2.57391	7.58E-02	7.74E-02	7.73E-02
692	490786.72	3860135.12	2.75117	8.11E-02	8.27E-02	8.26E-02
693	490836.72	3860135.12	2.91236	8.58E-02	8.76E-02	8.75E-02
694	490086.72	3860185.12	1.58852	4.68E-02	4.78E-02	4.77E-02
695	490136.72	3860185.12	1.62888	4.80E-02	4.90E-02	4.89E-02
696	490186.72	3860185.12	1.66497	4.91E-02	5.01E-02	5.00E-02
697	490236.72	3860185.12	1.69371	4.99E-02	5.09E-02	5.09E-02
698	490286.72	3860185.12	1.72651	5.09E-02	5.19E-02	5.19E-02
699	490336.72	3860185.12	1.7989	5.30E-02	5.41E-02	5.40E-02
700	490386.72	3860185.12	1.87016	5.51E-02	5.62E-02	5.62E-02
701	490436.72	3860185.12	1.93084	5.69E-02	5.81E-02	5.80E-02
702	490486.72	3860185.12	1.96273	5.78E-02	5.90E-02	5.89E-02
703	490536.72	3860185.12	2.00986	5.92E-02	6.04E-02	6.04E-02
704	490586.72	3860185.12	2.07748	6.12E-02	6.25E-02	6.24E-02
705	490636.72	3860185.12	2.13918	6.30E-02	6.43E-02	6.42E-02
706	490686.72	3860185.12	2.22963	6.57E-02	6.70E-02	6.70E-02
707	490736.72	3860185.12	2.31577	6.82E-02	6.96E-02	6.95E-02
708	490786.72	3860185.12	2.44356	7.20E-02	7.35E-02	7.34E-02
709	490836.72	3860185.12	2.58468	7.62E-02	7.77E-02	7.76E-02
710	490086.72	3860235.12	1.49587	4.41E-02	4.50E-02	4.49E-02
711	490136.72	3860235.12	1.52954	4.51E-02	4.60E-02	4.59E-02
712	490186.72	3860235.12	1.56081	4.60E-02	4.69E-02	4.69E-02
713	490236.72	3860235.12	1.58751	4.68E-02	4.77E-02	4.77E-02
714	490286.72	3860235.12	1.60897	4.74E-02	4.84E-02	4.83E-02
715	490336.72	3860235.12	1.63785	4.83E-02	4.92E-02	4.92E-02
716	490386.72	3860235.12	1.70331	5.02E-02	5.12E-02	5.12E-02
717	490436.72	3860235.12	1.77072	5.22E-02	5.32E-02	5.32E-02
718	490486.72	3860235.12	1.8021	5.31E-02	5.42E-02	5.41E-02
719	490536.72	3860235.12	1.8464	5.44E-02	5.55E-02	5.55E-02
720	490586.72	3860235.12	1.90059	5.60E-02	5.71E-02	5.71E-02
721	490636.72	3860235.12	1.96214	5.78E-02	5.90E-02	5.89E-02
722	490686.72	3860235.12	2.03573	6.00E-02	6.12E-02	6.11E-02
723	490736.72	3860235.12	2.11685	6.24E-02	6.36E-02	6.36E-02
724	490786.72	3860235.12	2.21104	6.52E-02	6.65E-02	6.64E-02
725	490086.72	3860285.12	1.3907	4.10E-02	4.18E-02	4.18E-02
726	490136.72	3860285.12	1.4281	4.21E-02	4.29E-02	4.29E-02
727	490186.72	3860285.12	1.46543	4.32E-02	4.41E-02	4.40E-02
728	490236.72	3860285.12	1.49886	4.42E-02	4.51E-02	4.50E-02
729	490286.72	3860285.12	1.51811	4.47E-02	4.56E-02	4.56E-02
730	490336.72	3860285.12	1.54138	4.54E-02	4.63E-02	4.63E-02
731	490386.72	3860285.12	1.56821	4.62E-02	4.72E-02	4.71E-02
732	490436.72	3860285.12	1.61256	4.75E-02	4.85E-02	4.84E-02
733	490486.72	3860285.12	1.67438	4.93E-02	5.03E-02	5.03E-02
734	490536.72	3860285.12	1.70934	5.04E-02	5.14E-02	5.13E-02
735	490586.72	3860285.12	1.75063	5.16E-02	5.26E-02	5.26E-02
736	490636.72	3860285.12	1.80182	5.31E-02	5.42E-02	5.41E-02
737	490686.72	3860285.12	1.86549	5.50E-02	5.61E-02	5.60E-02
738	490736.72	3860285.12	1.93512	5.70E-02	5.82E-02	5.81E-02
739	490786.72	3860285.12	2.02147	5.96E-02	6.08E-02	6.07E-02
740	490086.72	3860335.12	1.31042	3.86E-02	3.94E-02	3.94E-02
741	490136.72	3860335.12	1.34388	3.96E-02	4.04E-02	4.04E-02
742	490186.72	3860335.12	1.37662	4.06E-02	4.14E-02	4.13E-02
743	490236.72	3860335.12	1.41307	4.16E-02	4.25E-02	4.24E-02
744	490286.72	3860335.12	1.43995	4.24E-02	4.33E-02	4.32E-02
745	490336.72	3860335.12	1.45908	4.30E-02	4.39E-02	4.38E-02
746	490386.72	3860335.12	1.48038	4.36E-02	4.45E-02	4.45E-02
747	490436.72	3860335.12	1.50324	4.43E-02	4.52E-02	4.51E-02
748	490486.72	3860335.12	1.52566	4.50E-02	4.59E-02	4.58E-02
749	490536.72	3860335.12	1.58469	4.67E-02	4.76E-02	4.76E-02
750	490586.72	3860335.12	1.63608	4.82E-02	4.92E-02	4.91E-02
751	490636.72	3860335.12	1.67741	4.94E-02	5.04E-02	5.04E-02
752	490686.72	3860335.12	1.72623	5.09E-02	5.19E-02	5.18E-02

753	490736.72	3860335.12	1.78382	5.26E-02	5.36E-02	5.36E-02
754	490786.72	3860335.12	1.86128	5.48E-02	5.60E-02	5.59E-02
755	490086.72	3860385.12	1.23028	3.63E-02	3.70E-02	3.69E-02
756	490136.72	3860385.12	1.27002	3.74E-02	3.82E-02	3.81E-02
757	490186.72	3860385.12	1.30167	3.84E-02	3.91E-02	3.91E-02
758	490236.72	3860385.12	1.33584	3.94E-02	4.02E-02	4.01E-02
759	490286.72	3860385.12	1.35593	4.00E-02	4.08E-02	4.07E-02
760	490336.72	3860385.12	1.37797	4.06E-02	4.14E-02	4.14E-02
761	490386.72	3860385.12	1.3993	4.12E-02	4.21E-02	4.20E-02
762	490436.72	3860385.12	1.42447	4.20E-02	4.28E-02	4.28E-02
763	490486.72	3860385.12	1.44862	4.27E-02	4.36E-02	4.35E-02
764	490536.72	3860385.12	1.47323	4.34E-02	4.43E-02	4.42E-02
765	490586.72	3860385.12	1.50039	4.42E-02	4.51E-02	4.51E-02
766	490636.72	3860385.12	1.54295	4.55E-02	4.64E-02	4.63E-02
767	490686.72	3860385.12	1.60542	4.73E-02	4.83E-02	4.82E-02
768	490736.72	3860385.12	1.66044	4.89E-02	4.99E-02	4.99E-02
769	490786.72	3860385.12	1.71168	5.04E-02	5.15E-02	5.14E-02
770	490136.72	3860435.12	1.1871	3.50E-02	3.57E-02	3.57E-02
771	490186.72	3860435.12	1.20711	3.56E-02	3.63E-02	3.63E-02
772	490236.72	3860435.12	1.22548	3.61E-02	3.68E-02	3.68E-02
773	490286.72	3860435.12	1.24422	3.67E-02	3.74E-02	3.74E-02
774	490336.72	3860435.12	1.26071	3.71E-02	3.79E-02	3.79E-02
775	490386.72	3860435.12	1.28521	3.79E-02	3.86E-02	3.86E-02
776	490436.72	3860435.12	1.31226	3.87E-02	3.95E-02	3.94E-02
777	490486.72	3860435.12	1.34261	3.96E-02	4.04E-02	4.03E-02
778	490536.72	3860435.12	1.37773	4.06E-02	4.14E-02	4.14E-02
779	490586.72	3860435.12	1.41285	4.16E-02	4.25E-02	4.24E-02
780	490636.72	3860435.12	1.45071	4.27E-02	4.36E-02	4.36E-02
781	490686.72	3860435.12	1.48584	4.38E-02	4.47E-02	4.46E-02
782	490736.72	3860435.12	1.52979	4.51E-02	4.60E-02	4.59E-02
783	490786.72	3860435.12	1.57435	4.64E-02	4.73E-02	4.73E-02
784	490136.72	3860485.12	1.10267	3.25E-02	3.32E-02	3.31E-02
785	490186.72	3860485.12	1.11867	3.30E-02	3.36E-02	3.36E-02
786	490236.72	3860485.12	1.13284	3.34E-02	3.41E-02	3.40E-02
787	490286.72	3860485.12	1.15104	3.39E-02	3.46E-02	3.46E-02
788	490336.72	3860485.12	1.16808	3.44E-02	3.51E-02	3.51E-02
789	490386.72	3860485.12	1.18951	3.51E-02	3.58E-02	3.57E-02
790	490436.72	3860485.12	1.21759	3.59E-02	3.66E-02	3.66E-02
791	490486.72	3860485.12	1.24075	3.66E-02	3.73E-02	3.73E-02
792	490536.72	3860485.12	1.26537	3.73E-02	3.80E-02	3.80E-02
793	490586.72	3860485.12	1.29395	3.81E-02	3.89E-02	3.89E-02
794	490636.72	3860485.12	1.33103	3.92E-02	4.00E-02	4.00E-02
795	490686.72	3860485.12	1.36887	4.03E-02	4.12E-02	4.11E-02
796	490736.72	3860485.12	1.41789	4.18E-02	4.26E-02	4.26E-02
797	490786.72	3860485.12	1.47122	4.34E-02	4.42E-02	4.42E-02
798	490136.72	3860535.12	1.04483	3.08E-02	3.14E-02	3.14E-02
799	490186.72	3860535.12	1.07493	3.17E-02	3.23E-02	3.23E-02
800	490236.72	3860535.12	1.08926	3.21E-02	3.28E-02	3.27E-02
801	490286.72	3860535.12	1.10403	3.25E-02	3.32E-02	3.32E-02
802	490336.72	3860535.12	1.12365	3.31E-02	3.38E-02	3.37E-02
803	490386.72	3860535.12	1.14625	3.38E-02	3.45E-02	3.44E-02
804	490436.72	3860535.12	1.16983	3.45E-02	3.52E-02	3.51E-02
805	490486.72	3860535.12	1.19376	3.52E-02	3.59E-02	3.59E-02
806	490536.72	3860535.12	1.2255	3.61E-02	3.68E-02	3.68E-02
807	490586.72	3860535.12	1.24131	3.66E-02	3.73E-02	3.73E-02
808	490636.72	3860535.12	1.26849	3.74E-02	3.81E-02	3.81E-02
809	490686.72	3860535.12	1.30143	3.83E-02	3.91E-02	3.91E-02
810	490736.72	3860535.12	1.33435	3.93E-02	4.01E-02	4.01E-02
811	490786.72	3860535.12	1.3803	4.07E-02	4.15E-02	4.15E-02
812	490136.72	3860585.12	1.00279	2.95E-02	3.02E-02	3.01E-02
813	490186.72	3860585.12	1.00189	2.95E-02	3.01E-02	3.01E-02
814	490236.72	3860585.12	1.01881	3.00E-02	3.06E-02	3.06E-02
815	490286.72	3860585.12	1.03523	3.05E-02	3.11E-02	3.11E-02

816	490336.72	3860585.12	1.06152	3.13E-02	3.19E-02	3.19E-02
817	490386.72	3860585.12	1.09081	3.21E-02	3.28E-02	3.28E-02
818	490436.72	3860585.12	1.11664	3.29E-02	3.36E-02	3.35E-02
819	490486.72	3860585.12	1.14135	3.36E-02	3.43E-02	3.43E-02
820	490536.72	3860585.12	1.16219	3.42E-02	3.49E-02	3.49E-02
821	490586.72	3860585.12	1.16773	3.44E-02	3.51E-02	3.51E-02
822	490636.72	3860585.12	1.19376	3.52E-02	3.59E-02	3.59E-02
823	490686.72	3860585.12	1.21989	3.59E-02	3.67E-02	3.66E-02
824	490736.72	3860585.12	1.24737	3.68E-02	3.75E-02	3.75E-02
825	490786.72	3860585.12	1.28959	3.80E-02	3.88E-02	3.87E-02
826	490136.72	3860635.12	0.96335	2.84E-02	2.90E-02	2.89E-02
827	490186.72	3860635.12	0.96843	2.85E-02	2.91E-02	2.91E-02
828	490236.72	3860635.12	0.97273	2.87E-02	2.92E-02	2.92E-02
829	490286.72	3860635.12	0.98467	2.90E-02	2.96E-02	2.96E-02
830	490336.72	3860635.12	1.00028	2.95E-02	3.01E-02	3.00E-02
831	490386.72	3860635.12	1.01764	3.00E-02	3.06E-02	3.06E-02
832	490436.72	3860635.12	1.04104	3.07E-02	3.13E-02	3.13E-02
833	490486.72	3860635.12	1.06546	3.14E-02	3.20E-02	3.20E-02
834	490536.72	3860635.12	1.08838	3.21E-02	3.27E-02	3.27E-02
835	490586.72	3860635.12	1.10222	3.25E-02	3.31E-02	3.31E-02
836	490636.72	3860635.12	1.12682	3.32E-02	3.39E-02	3.38E-02
837	490686.72	3860635.12	1.14973	3.39E-02	3.46E-02	3.45E-02
838	490736.72	3860635.12	1.16886	3.44E-02	3.51E-02	3.51E-02
839	490786.72	3860635.12	1.1963	3.53E-02	3.60E-02	3.59E-02
840	490136.72	3860685.12	0.91782	2.70E-02	2.76E-02	2.76E-02
841	490186.72	3860685.12	0.93719	2.76E-02	2.82E-02	2.81E-02
842	490236.72	3860685.12	0.94031	2.77E-02	2.83E-02	2.82E-02
843	490286.72	3860685.12	0.93637	2.76E-02	2.82E-02	2.81E-02
844	490336.72	3860685.12	0.95535	2.82E-02	2.87E-02	2.87E-02
845	490386.72	3860685.12	0.9706	2.86E-02	2.92E-02	2.91E-02
846	490436.72	3860685.12	0.98289	2.90E-02	2.96E-02	2.95E-02
847	490486.72	3860685.12	0.99664	2.94E-02	3.00E-02	2.99E-02
848	490536.72	3860685.12	1.01748	3.00E-02	3.06E-02	3.06E-02
849	490586.72	3860685.12	1.03965	3.06E-02	3.13E-02	3.12E-02
850	490636.72	3860685.12	1.06406	3.14E-02	3.20E-02	3.20E-02
851	490686.72	3860685.12	1.08865	3.21E-02	3.27E-02	3.27E-02
852	490736.72	3860685.12	1.10656	3.26E-02	3.33E-02	3.32E-02
853	490786.72	3860685.12	1.13168	3.33E-02	3.40E-02	3.40E-02
854	490136.72	3860735.12	0.86238	2.54E-02	2.59E-02	2.59E-02
855	490186.72	3860735.12	0.87717	2.58E-02	2.64E-02	2.63E-02
856	490236.72	3860735.12	0.88838	2.62E-02	2.67E-02	2.67E-02
857	490286.72	3860735.12	0.90099	2.65E-02	2.71E-02	2.71E-02
858	490336.72	3860735.12	0.91317	2.69E-02	2.75E-02	2.74E-02
859	490386.72	3860735.12	0.92832	2.74E-02	2.79E-02	2.79E-02
860	490436.72	3860735.12	0.94832	2.79E-02	2.85E-02	2.85E-02
861	490486.72	3860735.12	0.95473	2.81E-02	2.87E-02	2.87E-02
862	490536.72	3860735.12	0.95544	2.82E-02	2.87E-02	2.87E-02
863	490586.72	3860735.12	0.97349	2.87E-02	2.93E-02	2.92E-02
864	490636.72	3860735.12	0.99269	2.93E-02	2.98E-02	2.98E-02
865	490686.72	3860735.12	1.01631	2.99E-02	3.06E-02	3.05E-02
866	490736.72	3860735.12	1.03811	3.06E-02	3.12E-02	3.12E-02
867	490136.72	3860785.12	0.81156	2.39E-02	2.44E-02	2.44E-02
868	490186.72	3860785.12	0.81973	2.42E-02	2.46E-02	2.46E-02
869	490236.72	3860785.12	0.83234	2.45E-02	2.50E-02	2.50E-02
870	490286.72	3860785.12	0.84496	2.49E-02	2.54E-02	2.54E-02
871	490336.72	3860785.12	0.85453	2.52E-02	2.57E-02	2.57E-02
872	490386.72	3860785.12	0.87291	2.57E-02	2.62E-02	2.62E-02
873	490436.72	3860785.12	0.89151	2.63E-02	2.68E-02	2.68E-02
874	490486.72	3860785.12	0.91258	2.69E-02	2.74E-02	2.74E-02
875	490536.72	3860785.12	0.92483	2.73E-02	2.78E-02	2.78E-02
876	490586.72	3860785.12	0.93008	2.74E-02	2.80E-02	2.79E-02
877	490636.72	3860785.12	0.93908	2.77E-02	2.82E-02	2.82E-02
878	490686.72	3860785.12	0.95168	2.80E-02	2.86E-02	2.86E-02

879	490736.72	3860785.12	0.96552	2.85E-02	2.90E-02	2.90E-02
880	490086.72	3860835.12	0.75405	2.22E-02	2.27E-02	2.26E-02
881	490136.72	3860835.12	0.76745	2.26E-02	2.31E-02	2.30E-02
882	490186.72	3860835.12	0.77198	2.27E-02	2.32E-02	2.32E-02
883	490236.72	3860835.12	0.78714	2.32E-02	2.37E-02	2.36E-02
884	490286.72	3860835.12	0.8032	2.37E-02	2.42E-02	2.41E-02
885	490336.72	3860835.12	0.81607	2.40E-02	2.45E-02	2.45E-02
886	490386.72	3860835.12	0.82913	2.44E-02	2.49E-02	2.49E-02
887	490436.72	3860835.12	0.84469	2.49E-02	2.54E-02	2.54E-02
888	490486.72	3860835.12	0.85836	2.53E-02	2.58E-02	2.58E-02
889	490536.72	3860835.12	0.86884	2.56E-02	2.61E-02	2.61E-02
890	490586.72	3860835.12	0.87482	2.58E-02	2.63E-02	2.63E-02
891	490636.72	3860835.12	0.87929	2.59E-02	2.64E-02	2.64E-02
892	490686.72	3860835.12	0.88619	2.61E-02	2.66E-02	2.66E-02
893	490736.72	3860835.12	0.89716	2.64E-02	2.70E-02	2.69E-02
894	490086.72	3860885.12	0.71564	2.11E-02	2.15E-02	2.15E-02
895	490136.72	3860885.12	0.72536	2.14E-02	2.18E-02	2.18E-02
896	490186.72	3860885.12	0.73586	2.17E-02	2.21E-02	2.21E-02
897	490236.72	3860885.12	0.74932	2.21E-02	2.25E-02	2.25E-02
898	490286.72	3860885.12	0.76455	2.25E-02	2.30E-02	2.30E-02
899	490336.72	3860885.12	0.78001	2.30E-02	2.35E-02	2.34E-02
900	490386.72	3860885.12	0.79394	2.34E-02	2.39E-02	2.38E-02
901	490436.72	3860885.12	0.80558	2.37E-02	2.42E-02	2.42E-02
902	490486.72	3860885.12	0.81381	2.40E-02	2.45E-02	2.44E-02
903	490536.72	3860885.12	0.81882	2.41E-02	2.46E-02	2.46E-02
904	490586.72	3860885.12	0.82046	2.42E-02	2.47E-02	2.46E-02
905	490636.72	3860885.12	0.83193	2.45E-02	2.50E-02	2.50E-02
906	490686.72	3860885.12	0.84578	2.49E-02	2.54E-02	2.54E-02
907	490736.72	3860885.12	0.86152	2.54E-02	2.59E-02	2.59E-02
908	490086.72	3860935.12	0.67823	2.00E-02	2.04E-02	2.04E-02
909	490136.72	3860935.12	0.69215	2.04E-02	2.08E-02	2.08E-02
910	490186.72	3860935.12	0.70807	2.09E-02	2.13E-02	2.13E-02
911	490236.72	3860935.12	0.72042	2.12E-02	2.17E-02	2.16E-02
912	490286.72	3860935.12	0.73073	2.15E-02	2.20E-02	2.19E-02
913	490336.72	3860935.12	0.73888	2.18E-02	2.22E-02	2.22E-02
914	490386.72	3860935.12	0.74911	2.21E-02	2.25E-02	2.25E-02
915	490436.72	3860935.12	0.75759	2.23E-02	2.28E-02	2.28E-02
916	490486.72	3860935.12	0.77166	2.27E-02	2.32E-02	2.32E-02
917	490536.72	3860935.12	0.78491	2.31E-02	2.36E-02	2.36E-02
918	490586.72	3860935.12	0.79318	2.34E-02	2.38E-02	2.38E-02
919	490636.72	3860935.12	0.79763	2.35E-02	2.40E-02	2.40E-02
920	490686.72	3860935.12	0.79966	2.36E-02	2.40E-02	2.40E-02
921	490736.72	3860935.12	0.7977	2.35E-02	2.40E-02	2.40E-02
922	490786.72	3860935.12	0.7925	2.34E-02	2.38E-02	2.38E-02
923	490836.72	3860935.12	0.79207	2.33E-02	2.38E-02	2.38E-02
924	490086.72	3860985.12	0.64792	1.91E-02	1.95E-02	1.95E-02
925	490136.72	3860985.12	0.65758	1.94E-02	1.98E-02	1.97E-02
926	490186.72	3860985.12	0.6703	1.98E-02	2.02E-02	2.01E-02
927	490236.72	3860985.12	0.6778	2.00E-02	2.04E-02	2.04E-02
928	490286.72	3860985.12	0.68388	2.02E-02	2.06E-02	2.05E-02
929	490336.72	3860985.12	0.68745	2.03E-02	2.07E-02	2.06E-02
930	490386.72	3860985.12	0.69331	2.04E-02	2.08E-02	2.08E-02
931	490436.72	3860985.12	0.70348	2.07E-02	2.12E-02	2.11E-02
932	490486.72	3860985.12	0.70984	2.09E-02	2.13E-02	2.13E-02
933	490536.72	3860985.12	0.71565	2.11E-02	2.15E-02	2.15E-02
934	490586.72	3860985.12	0.72059	2.12E-02	2.17E-02	2.16E-02
935	490636.72	3860985.12	0.72539	2.14E-02	2.18E-02	2.18E-02
936	490686.72	3860985.12	0.72885	2.15E-02	2.19E-02	2.19E-02
937	490736.72	3860985.12	0.73213	2.16E-02	2.20E-02	2.20E-02
938	490786.72	3860985.12	0.73723	2.17E-02	2.22E-02	2.21E-02
939	490836.72	3860985.12	0.74756	2.20E-02	2.25E-02	2.25E-02
940	490086.72	3861035.12	0.61789	1.82E-02	1.86E-02	1.86E-02
941	490136.72	3861035.12	0.62207	1.83E-02	1.87E-02	1.87E-02

942	490186.72	3861035.12	0.62737	1.85E-02	1.89E-02	1.88E-02
943	490236.72	3861035.12	0.63527	1.87E-02	1.91E-02	1.91E-02
944	490286.72	3861035.12	0.64226	1.89E-02	1.93E-02	1.93E-02
945	490336.72	3861035.12	0.65062	1.92E-02	1.96E-02	1.95E-02
946	490386.72	3861035.12	0.66222	1.95E-02	1.99E-02	1.99E-02
947	490436.72	3861035.12	0.6732	1.98E-02	2.02E-02	2.02E-02
948	490486.72	3861035.12	0.68062	2.01E-02	2.05E-02	2.04E-02
949	490536.72	3861035.12	0.6858	2.02E-02	2.06E-02	2.06E-02
950	490586.72	3861035.12	0.68964	2.03E-02	2.07E-02	2.07E-02
951	490636.72	3861035.12	0.69289	2.04E-02	2.08E-02	2.08E-02
952	490686.72	3861035.12	0.69635	2.05E-02	2.09E-02	2.09E-02
953	490736.72	3861035.12	0.69667	2.05E-02	2.09E-02	2.09E-02
954	490786.72	3861035.12	0.69684	2.05E-02	2.10E-02	2.09E-02
955	490836.72	3861035.12	0.70351	2.07E-02	2.12E-02	2.11E-02
956	490086.72	3861085.12	0.57426	1.69E-02	1.73E-02	1.72E-02
957	490136.72	3861085.12	0.5778	1.70E-02	1.74E-02	1.74E-02
958	490186.72	3861085.12	0.58359	1.72E-02	1.75E-02	1.75E-02
959	490236.72	3861085.12	0.58751	1.73E-02	1.77E-02	1.76E-02
960	490286.72	3861085.12	0.59374	1.75E-02	1.79E-02	1.78E-02
961	490336.72	3861085.12	0.60158	1.77E-02	1.81E-02	1.81E-02
962	490386.72	3861085.12	0.61795	1.82E-02	1.86E-02	1.86E-02
963	490436.72	3861085.12	0.63036	1.86E-02	1.90E-02	1.89E-02
964	490486.72	3861085.12	0.64005	1.89E-02	1.92E-02	1.92E-02
965	490536.72	3861085.12	0.64875	1.91E-02	1.95E-02	1.95E-02
966	490586.72	3861085.12	0.65218	1.92E-02	1.96E-02	1.96E-02
967	490636.72	3861085.12	0.65305	1.92E-02	1.96E-02	1.96E-02
968	490686.72	3861085.12	0.65176	1.92E-02	1.96E-02	1.96E-02
969	490736.72	3861085.12	0.65049	1.92E-02	1.96E-02	1.95E-02
970	490786.72	3861085.12	0.65461	1.93E-02	1.97E-02	1.97E-02
971	490836.72	3861085.12	0.65825	1.94E-02	1.98E-02	1.98E-02
972	490086.72	3861135.12	0.54113	1.59E-02	1.63E-02	1.63E-02
973	490136.72	3861135.12	0.54273	1.60E-02	1.63E-02	1.63E-02
974	490186.72	3861135.12	0.54455	1.60E-02	1.64E-02	1.64E-02
975	490236.72	3861135.12	0.54622	1.61E-02	1.64E-02	1.64E-02
976	490286.72	3861135.12	0.56049	1.65E-02	1.69E-02	1.68E-02
977	490336.72	3861135.12	0.57714	1.70E-02	1.74E-02	1.73E-02
978	490386.72	3861135.12	0.59238	1.75E-02	1.78E-02	1.78E-02
979	490436.72	3861135.12	0.60405	1.78E-02	1.82E-02	1.81E-02
980	490486.72	3861135.12	0.61322	1.81E-02	1.84E-02	1.84E-02
981	490536.72	3861135.12	0.6193	1.82E-02	1.86E-02	1.86E-02
982	490586.72	3861135.12	0.61493	1.81E-02	1.85E-02	1.85E-02
983	490636.72	3861135.12	0.61995	1.83E-02	1.86E-02	1.86E-02
984	490686.72	3861135.12	0.61813	1.82E-02	1.86E-02	1.86E-02
985	490736.72	3861135.12	0.6154	1.81E-02	1.85E-02	1.85E-02
986	490786.72	3861135.12	0.6134	1.81E-02	1.84E-02	1.84E-02
987	490836.72	3861135.12	0.61511	1.81E-02	1.85E-02	1.85E-02
988	490086.72	3861185.12	0.51298	1.51E-02	1.54E-02	1.54E-02
989	490136.72	3861185.12	0.51155	1.51E-02	1.54E-02	1.54E-02
990	490186.72	3861185.12	0.51179	1.51E-02	1.54E-02	1.54E-02
991	490236.72	3861185.12	0.51574	1.52E-02	1.55E-02	1.55E-02
992	490286.72	3861185.12	0.53321	1.57E-02	1.60E-02	1.60E-02
993	490336.72	3861185.12	0.54744	1.61E-02	1.65E-02	1.64E-02
994	490386.72	3861185.12	0.56216	1.66E-02	1.69E-02	1.69E-02
995	490436.72	3861185.12	0.57481	1.69E-02	1.73E-02	1.73E-02
996	490486.72	3861185.12	0.58207	1.72E-02	1.75E-02	1.75E-02
997	490536.72	3861185.12	0.57812	1.70E-02	1.74E-02	1.74E-02
998	490586.72	3861185.12	0.58904	1.74E-02	1.77E-02	1.77E-02
999	490636.72	3861185.12	0.58597	1.73E-02	1.76E-02	1.76E-02
1000	490686.72	3861185.12	0.58362	1.72E-02	1.75E-02	1.75E-02
1001	490736.72	3861185.12	0.58273	1.72E-02	1.75E-02	1.75E-02
1002	490786.72	3861185.12	0.58076	1.71E-02	1.75E-02	1.74E-02
1003	490836.72	3861185.12	0.57813	1.70E-02	1.74E-02	1.74E-02
1004	490086.72	3861235.12	0.4892	1.44E-02	1.47E-02	1.47E-02

1005	490136.72	3861235.12	0.49117	1.45E-02	1.48E-02	1.48E-02
1006	490186.72	3861235.12	0.49432	1.46E-02	1.49E-02	1.48E-02
1007	490236.72	3861235.12	0.49564	1.46E-02	1.49E-02	1.49E-02
1008	490386.72	3861235.12	0.52955	1.56E-02	1.59E-02	1.59E-02
1009	490436.72	3861235.12	0.53911	1.59E-02	1.62E-02	1.62E-02
1010	490486.72	3861235.12	0.53346	1.57E-02	1.60E-02	1.60E-02
1011	490536.72	3861235.12	0.55207	1.63E-02	1.66E-02	1.66E-02
1012	490586.72	3861235.12	0.55957	1.65E-02	1.68E-02	1.68E-02
1013	490636.72	3861235.12	0.55406	1.63E-02	1.67E-02	1.66E-02
1014	490686.72	3861235.12	0.55367	1.63E-02	1.66E-02	1.66E-02
1015	490736.72	3861235.12	0.55495	1.64E-02	1.67E-02	1.67E-02
1016	490786.72	3861235.12	0.54534	1.61E-02	1.64E-02	1.64E-02
1017	490836.72	3861235.12	0.54111	1.59E-02	1.63E-02	1.63E-02
1018	490086.72	3861285.12	0.47481	1.40E-02	1.43E-02	1.43E-02
1019	490136.72	3861285.12	0.47783	1.41E-02	1.44E-02	1.44E-02
1020	490186.72	3861285.12	0.4771	1.41E-02	1.43E-02	1.43E-02
1021	490236.72	3861285.12	0.47683	1.41E-02	1.43E-02	1.43E-02
1022	490386.72	3861285.12	0.49723	1.47E-02	1.50E-02	1.49E-02
1023	490436.72	3861285.12	0.50022	1.47E-02	1.50E-02	1.50E-02
1024	490486.72	3861285.12	0.51264	1.51E-02	1.54E-02	1.54E-02
1025	490536.72	3861285.12	0.51999	1.53E-02	1.56E-02	1.56E-02
1026	490586.72	3861285.12	0.52505	1.55E-02	1.58E-02	1.58E-02
1027	490636.72	3861285.12	0.52529	1.55E-02	1.58E-02	1.58E-02
1028	490686.72	3861285.12	0.52124	1.54E-02	1.57E-02	1.57E-02
1029	490736.72	3861285.12	0.51652	1.52E-02	1.55E-02	1.55E-02
1030	490786.72	3861285.12	0.51693	1.52E-02	1.55E-02	1.55E-02
1031	490836.72	3861285.12	0.51963	1.53E-02	1.56E-02	1.56E-02
1032	490061.24	3859716.13	4.68659	1.38E-01	1.41E-01	1.41E-01
1033	490111.24	3859716.13	5.06788	1.49E-01	1.52E-01	1.52E-01
1034	490161.24	3859716.13	5.4541	1.61E-01	1.64E-01	1.64E-01
1035	490211.24	3859716.13	5.97173	1.76E-01	1.80E-01	1.79E-01
1036	490061.24	3859766.13	3.90596	1.15E-01	1.17E-01	1.17E-01
1037	490111.24	3859766.13	4.15913	1.23E-01	1.25E-01	1.25E-01
1038	490161.24	3859766.13	4.41039	1.30E-01	1.33E-01	1.32E-01
1039	490211.24	3859766.13	4.68378	1.38E-01	1.41E-01	1.41E-01
1040	490061.24	3859816.13	3.38518	9.97E-02	1.02E-01	1.02E-01
1041	490111.24	3859816.13	3.53404	1.04E-01	1.06E-01	1.06E-01
1042	490161.24	3859816.13	3.71572	1.09E-01	1.12E-01	1.12E-01
1043	490211.24	3859816.13	3.8681	1.14E-01	1.16E-01	1.16E-01
1044	490061.24	3859866.13	2.94019	8.66E-02	8.84E-02	8.83E-02
1045	490111.24	3859866.13	3.07706	9.07E-02	9.25E-02	9.24E-02
1046	490161.24	3859866.13	3.22213	9.49E-02	9.69E-02	9.68E-02
1047	490211.24	3859866.13	3.35654	9.89E-02	1.01E-01	1.01E-01
1048	490061.24	3859916.13	2.56011	7.54E-02	7.70E-02	7.69E-02
1049	490111.24	3859916.13	2.68093	7.90E-02	8.06E-02	8.05E-02
1050	490161.24	3859916.13	2.80311	8.26E-02	8.43E-02	8.42E-02
1051	490211.24	3859916.13	2.92645	8.62E-02	8.80E-02	8.79E-02
1052	490229.25	3859815.26	3.96125	1.17E-01	1.19E-01	1.19E-01
1053	490279.25	3859815.26	4.11818	1.21E-01	1.24E-01	1.24E-01
1054	490329.25	3859815.26	4.301	1.27E-01	1.29E-01	1.29E-01
1055	490379.25	3859815.26	4.68259	1.38E-01	1.41E-01	1.41E-01
1056	490429.25	3859815.26	5.32359	1.57E-01	1.60E-01	1.60E-01
1057	490229.25	3859865.26	3.40389	1.00E-01	1.02E-01	1.02E-01
1058	490279.25	3859865.26	3.49522	1.03E-01	1.05E-01	1.05E-01
1059	490329.25	3859865.26	3.5934	1.06E-01	1.08E-01	1.08E-01
1060	490379.25	3859865.26	3.75962	1.11E-01	1.13E-01	1.13E-01
1061	490429.25	3859865.26	4.01382	1.18E-01	1.21E-01	1.21E-01
1062	490229.25	3859915.26	2.98323	8.79E-02	8.97E-02	8.96E-02
1063	490279.25	3859915.26	3.08051	9.08E-02	9.26E-02	9.25E-02
1064	490329.25	3859915.26	3.15332	9.29E-02	9.48E-02	9.47E-02
1065	490379.25	3859915.26	3.25449	9.59E-02	9.79E-02	9.77E-02
1066	490429.25	3859915.26	3.37533	9.95E-02	1.01E-01	1.01E-01
1067	490451.43	3859872.59	4.01505	1.18E-01	1.21E-01	1.21E-01

1068	490501.43	3859872.59	4.46045	1.31E-01	1.34E-01	1.34E-01
1069	490551.43	3859872.59	5.12115	1.51E-01	1.54E-01	1.54E-01
1070	490601.43	3859872.59	5.81782	1.71E-01	1.75E-01	1.75E-01
1071	490451.43	3859922.59	3.37151	9.93E-02	1.01E-01	1.01E-01
1072	490501.43	3859922.59	3.55697	1.05E-01	1.07E-01	1.07E-01
1073	490551.43	3859922.59	3.86605	1.14E-01	1.16E-01	1.16E-01
1074	490601.43	3859922.59	4.34498	1.28E-01	1.31E-01	1.30E-01
1075	482129.67	3852241.07	4.27837	1.26E-01	1.29E-01	1.28E-01
1076	482029.67	3852291.07	6.23525	1.84E-01	1.87E-01	1.87E-01
1077	482079.67	3852291.07	5.26457	1.55E-01	1.58E-01	1.58E-01
1078	482129.67	3852291.07	4.6097	1.36E-01	1.39E-01	1.38E-01
1079	482179.67	3852291.07	4.06876	1.20E-01	1.22E-01	1.22E-01
1080	482229.67	3852291.07	3.57685	1.05E-01	1.08E-01	1.07E-01
1081	482029.67	3852341.07	7.06213	2.08E-01	2.12E-01	2.12E-01
1082	482079.67	3852341.07	6.18024	1.82E-01	1.86E-01	1.86E-01
1083	482129.67	3852341.07	5.24632	1.55E-01	1.58E-01	1.58E-01
1084	482179.67	3852341.07	4.55725	1.34E-01	1.37E-01	1.37E-01
1085	482259.06	3852400.14	4.38339	1.29E-01	1.32E-01	1.32E-01
1086	482309.06	3852400.14	3.793	1.12E-01	1.14E-01	1.14E-01
1087	482209.06	3852450.14	5.6274	1.66E-01	1.69E-01	1.69E-01
1088	482259.06	3852450.14	4.87266	1.44E-01	1.47E-01	1.46E-01
1089	482309.06	3852450.14	4.24612	1.25E-01	1.28E-01	1.28E-01
1090	482209.06	3852500.14	6.15844	1.81E-01	1.85E-01	1.85E-01
1091	482259.06	3852500.14	5.56808	1.64E-01	1.67E-01	1.67E-01
1092	482309.06	3852500.14	4.81436	1.42E-01	1.45E-01	1.45E-01
1093	482283.91	3852513.62	5.32168	1.57E-01	1.60E-01	1.60E-01
1094	482333.91	3852513.62	4.62249	1.36E-01	1.39E-01	1.39E-01
1095	482283.91	3852563.62	6.02603	1.78E-01	1.81E-01	1.81E-01
1096	482333.91	3852563.62	5.26241	1.55E-01	1.58E-01	1.58E-01
1097	482383.91	3852563.62	4.5055	1.33E-01	1.35E-01	1.35E-01
1098	482283.91	3852613.62	7.32157	2.16E-01	2.20E-01	2.20E-01
1099	482333.91	3852613.62	5.9809	1.76E-01	1.80E-01	1.80E-01
1100	482383.91	3852613.62	5.16181	1.52E-01	1.55E-01	1.55E-01
1101	482602.38	3852600.87	2.999	8.84E-02	9.02E-02	9.01E-02
1102	482652.38	3852600.87	2.69376	7.94E-02	8.10E-02	8.09E-02
1103	482702.38	3852600.87	2.46144	7.25E-02	7.40E-02	7.39E-02
1104	482552.38	3852650.87	3.72343	1.10E-01	1.12E-01	1.12E-01
1105	482602.38	3852650.87	3.27792	9.66E-02	9.86E-02	9.84E-02
1106	482652.38	3852650.87	2.97976	8.78E-02	8.96E-02	8.95E-02
1107	482702.38	3852650.87	2.74394	8.09E-02	8.25E-02	8.24E-02
1108	482552.38	3852700.87	4.07717	1.20E-01	1.23E-01	1.22E-01
1109	482602.38	3852700.87	3.73578	1.10E-01	1.12E-01	1.12E-01
1110	482652.38	3852700.87	3.50651	1.03E-01	1.05E-01	1.05E-01
1111	482702.38	3852700.87	3.11253	9.17E-02	9.36E-02	9.35E-02
1112	482452.38	3852750.87	6.22665	1.83E-01	1.87E-01	1.87E-01
1113	482521.29	3852749.74	4.83279	1.42E-01	1.45E-01	1.45E-01
1114	482571.29	3852749.74	4.32566	1.27E-01	1.30E-01	1.30E-01
1115	482521.29	3852799.74	5.62968	1.66E-01	1.69E-01	1.69E-01
1116	482571.29	3852799.74	4.85117	1.43E-01	1.46E-01	1.46E-01
1117	482621.29	3852799.74	4.34246	1.28E-01	1.31E-01	1.30E-01
1118	482571.29	3852849.74	5.69956	1.68E-01	1.71E-01	1.71E-01
1119	482621.29	3852849.74	4.873	1.44E-01	1.47E-01	1.46E-01
1120	482577.42	3852901.55	6.88413	2.03E-01	2.07E-01	2.07E-01
1121	482627.42	3852901.55	5.65148	1.67E-01	1.70E-01	1.70E-01
1122	482629.96	3852955.85	6.88631	2.03E-01	2.07E-01	2.07E-01
1123	482679.96	3852955.85	5.4152	1.60E-01	1.63E-01	1.63E-01
1124	482781.63	3853034.48	4.55754	1.34E-01	1.37E-01	1.37E-01
1125	482831.63	3853034.48	3.88786	1.15E-01	1.17E-01	1.17E-01
1126	482881.63	3853034.48	3.40569	1.00E-01	1.02E-01	1.02E-01
1127	482781.63	3853084.48	5.0212	1.48E-01	1.51E-01	1.51E-01
1128	482831.63	3853084.48	4.23849	1.25E-01	1.27E-01	1.27E-01
1129	482881.63	3853084.48	3.65416	1.08E-01	1.10E-01	1.10E-01
1130	482781.63	3853134.48	5.65877	1.67E-01	1.70E-01	1.70E-01

1131	482831.63	3853134.48	4.69612	1.38E-01	1.41E-01	1.41E-01
1132	482881.63	3853134.48	3.97467	1.17E-01	1.20E-01	1.19E-01
1133	482831.63	3853184.48	5.0311	1.48E-01	1.51E-01	1.51E-01
1134	482881.63	3853184.48	4.31754	1.27E-01	1.30E-01	1.30E-01
1135	484154.84	3854250.98	0.64708	1.91E-02	1.95E-02	1.94E-02
1136	484204.84	3854250.98	0.58844	1.73E-02	1.77E-02	1.77E-02
1137	484154.84	3854300.98	0.62139	1.83E-02	1.87E-02	1.87E-02
1138	484204.84	3854300.98	0.60772	1.79E-02	1.83E-02	1.83E-02
1139	484074.19	3854519.8	0.54276	1.60E-02	1.63E-02	1.63E-02
1140	484124.19	3854519.8	0.55485	1.63E-02	1.67E-02	1.67E-02
1141	484074.19	3854569.8	0.51664	1.52E-02	1.55E-02	1.55E-02
1142	484124.19	3854569.8	0.50918	1.50E-02	1.53E-02	1.53E-02
1143	485205.11	3855188.89	0.48666	1.43E-02	1.46E-02	1.46E-02
1144	485255.11	3855188.89	0.47958	1.41E-02	1.44E-02	1.44E-02
1145	485205.11	3855238.89	0.4692	1.38E-02	1.41E-02	1.41E-02
1146	485255.11	3855238.89	0.4821	1.42E-02	1.45E-02	1.45E-02
1147	485205.11	3855288.89	0.4662	1.37E-02	1.40E-02	1.40E-02
1148	485255.11	3855288.89	0.45787	1.35E-02	1.38E-02	1.38E-02
1149	485255.11	3855338.89	0.46039	1.36E-02	1.38E-02	1.38E-02
1150	485305.11	3855338.89	0.44587	1.31E-02	1.34E-02	1.34E-02
1151	485852.5	3855635.28	0.3934	1.16E-02	1.18E-02	1.18E-02
1152	485902.5	3855635.28	0.38466	1.13E-02	1.16E-02	1.16E-02
1153	485852.5	3855685.28	0.40431	1.19E-02	1.22E-02	1.21E-02
1154	485902.5	3855685.28	0.39154	1.15E-02	1.18E-02	1.18E-02
1155	485852.5	3855735.28	0.40733	1.20E-02	1.22E-02	1.22E-02
1156	485902.5	3855735.28	0.3973	1.17E-02	1.19E-02	1.19E-02
1157	485852.5	3855785.28	0.39323	1.16E-02	1.18E-02	1.18E-02
1158	485902.5	3855785.28	0.40075	1.18E-02	1.20E-02	1.20E-02
1159	486809.46	3856465.28	0.33477	9.86E-03	1.01E-02	1.01E-02
1160	486859.46	3856465.28	0.31969	9.42E-03	9.61E-03	9.60E-03
1161	486909.46	3856465.28	0.31278	9.22E-03	9.40E-03	9.39E-03
1162	486809.46	3856515.28	0.32753	9.65E-03	9.85E-03	9.84E-03
1163	486859.46	3856515.28	0.3313	9.76E-03	9.96E-03	9.95E-03
1164	486909.46	3856515.28	0.31734	9.35E-03	9.54E-03	9.53E-03
1165	486980.94	3856357.95	0.31808	9.37E-03	9.56E-03	9.55E-03
1166	487030.94	3856357.95	0.32378	9.54E-03	9.74E-03	9.72E-03
1167	486980.94	3856407.95	0.30685	9.04E-03	9.23E-03	9.22E-03
1168	487030.94	3856407.95	0.30922	9.11E-03	9.30E-03	9.29E-03
1169	487447.18	3856437.45	0.31456	9.27E-03	9.46E-03	9.45E-03
1170	487497.18	3856437.45	0.31026	9.14E-03	9.33E-03	9.32E-03
1171	487547.18	3856437.45	0.30037	8.85E-03	9.03E-03	9.02E-03
1172	487447.18	3856487.45	0.30181	8.89E-03	9.07E-03	9.06E-03
1173	487497.18	3856487.45	0.30627	9.02E-03	9.21E-03	9.20E-03
1174	487547.18	3856487.45	0.30687	9.04E-03	9.23E-03	9.22E-03
1175	487447.18	3856537.45	0.28601	8.43E-03	8.60E-03	8.59E-03
1176	487497.18	3856537.45	0.30171	8.89E-03	9.07E-03	9.06E-03
1177	487547.18	3856537.45	0.30236	8.91E-03	9.09E-03	9.08E-03
1178	489285.89	3858826.54	1.91799	5.65E-02	5.77E-02	5.76E-02
1179	489335.89	3858826.54	1.84213	5.43E-02	5.54E-02	5.53E-02
1180	489385.89	3858826.54	1.7611	5.19E-02	5.30E-02	5.29E-02
1181	489435.89	3858826.54	1.68578	4.97E-02	5.07E-02	5.06E-02
1182	489485.89	3858826.54	1.62237	4.78E-02	4.88E-02	4.87E-02
1183	489535.89	3858826.54	1.56939	4.62E-02	4.72E-02	4.71E-02
1184	489585.89	3858826.54	1.49661	4.41E-02	4.50E-02	4.49E-02
1185	489635.89	3858826.54	1.38638	4.09E-02	4.17E-02	4.16E-02
1186	489685.89	3858826.54	1.35845	4.00E-02	4.08E-02	4.08E-02
1187	489735.89	3858826.54	1.34477	3.96E-02	4.04E-02	4.04E-02
1188	489785.89	3858826.54	1.32467	3.90E-02	3.98E-02	3.98E-02
1189	489835.89	3858826.54	1.28417	3.78E-02	3.86E-02	3.86E-02
1190	489885.89	3858826.54	1.26115	3.72E-02	3.79E-02	3.79E-02
1191	489935.89	3858826.54	1.22754	3.62E-02	3.69E-02	3.69E-02
1192	489985.89	3858826.54	1.18684	3.50E-02	3.57E-02	3.56E-02
1193	490035.89	3858826.54	1.14721	3.38E-02	3.45E-02	3.45E-02

1194	489285.89	3858876.54	2.35865	6.95E-02	7.09E-02	7.08E-02
1195	489335.89	3858876.54	2.2457	6.62E-02	6.75E-02	6.74E-02
1196	489385.89	3858876.54	2.14013	6.31E-02	6.43E-02	6.43E-02
1197	489435.89	3858876.54	2.03464	6.00E-02	6.12E-02	6.11E-02
1198	489485.89	3858876.54	1.93789	5.71E-02	5.83E-02	5.82E-02
1199	489535.89	3858876.54	1.85607	5.47E-02	5.58E-02	5.57E-02
1200	489585.89	3858876.54	1.72423	5.08E-02	5.18E-02	5.18E-02
1201	489635.89	3858876.54	1.61992	4.77E-02	4.87E-02	4.87E-02
1202	489685.89	3858876.54	1.55726	4.59E-02	4.68E-02	4.68E-02
1203	489735.89	3858876.54	1.4997	4.42E-02	4.51E-02	4.50E-02
1204	489785.89	3858876.54	1.47862	4.36E-02	4.45E-02	4.44E-02
1205	489835.89	3858876.54	1.47142	4.34E-02	4.42E-02	4.42E-02
1206	489885.89	3858876.54	1.44587	4.26E-02	4.35E-02	4.34E-02
1207	489935.89	3858876.54	1.4234	4.19E-02	4.28E-02	4.27E-02
1208	489985.89	3858876.54	1.35786	4.00E-02	4.08E-02	4.08E-02
1209	490035.89	3858876.54	1.26661	3.73E-02	3.81E-02	3.80E-02
1210	489285.89	3858926.54	2.83262	8.35E-02	8.52E-02	8.51E-02
1211	489335.89	3858926.54	2.63437	7.76E-02	7.92E-02	7.91E-02
1212	489385.89	3858926.54	2.46935	7.28E-02	7.42E-02	7.42E-02
1213	489435.89	3858926.54	2.33734	6.89E-02	7.03E-02	7.02E-02
1214	489485.89	3858926.54	2.22224	6.55E-02	6.68E-02	6.67E-02
1215	489535.89	3858926.54	2.10591	6.21E-02	6.33E-02	6.32E-02
1216	489585.89	3858926.54	1.97065	5.81E-02	5.93E-02	5.92E-02
1217	489635.89	3858926.54	1.87922	5.54E-02	5.65E-02	5.64E-02
1218	489685.89	3858926.54	1.79581	5.29E-02	5.40E-02	5.39E-02
1219	489735.89	3858926.54	1.73314	5.11E-02	5.21E-02	5.21E-02
1220	489785.89	3858926.54	1.67483	4.94E-02	5.04E-02	5.03E-02
1221	489835.89	3858926.54	1.63001	4.80E-02	4.90E-02	4.90E-02
1222	489885.89	3858926.54	1.58316	4.66E-02	4.76E-02	4.75E-02
1223	489935.89	3858926.54	1.53261	4.52E-02	4.61E-02	4.60E-02
1224	489985.89	3858926.54	1.49971	4.42E-02	4.51E-02	4.50E-02
1225	490035.89	3858926.54	1.4305	4.22E-02	4.30E-02	4.30E-02
1226	489335.89	3858976.54	3.45118	1.02E-01	1.04E-01	1.04E-01
1227	489385.89	3858976.54	3.17593	9.36E-02	9.55E-02	9.54E-02
1228	489435.89	3858976.54	2.86142	8.43E-02	8.60E-02	8.59E-02
1229	489485.89	3858976.54	2.61509	7.71E-02	7.86E-02	7.85E-02
1230	489535.89	3858976.54	2.44523	7.21E-02	7.35E-02	7.34E-02
1231	489585.89	3858976.54	2.29771	6.77E-02	6.91E-02	6.90E-02
1232	489635.89	3858976.54	2.17196	6.40E-02	6.53E-02	6.52E-02
1233	489685.89	3858976.54	2.06147	6.07E-02	6.20E-02	6.19E-02
1234	489735.89	3858976.54	1.97605	5.82E-02	5.94E-02	5.93E-02
1235	489785.89	3858976.54	1.91768	5.65E-02	5.77E-02	5.76E-02
1236	489835.89	3858976.54	1.88986	5.57E-02	5.68E-02	5.68E-02
1237	489885.89	3858976.54	1.86161	5.49E-02	5.60E-02	5.59E-02
1238	489935.89	3858976.54	1.80944	5.33E-02	5.44E-02	5.43E-02
1239	489985.89	3858976.54	1.74798	5.15E-02	5.26E-02	5.25E-02
1240	490035.89	3858976.54	1.58353	4.67E-02	4.76E-02	4.76E-02
1241	489385.89	3859026.54	3.89131	1.15E-01	1.17E-01	1.17E-01
1242	489435.89	3859026.54	3.53213	1.04E-01	1.06E-01	1.06E-01
1243	489485.89	3859026.54	3.23582	9.53E-02	9.73E-02	9.72E-02
1244	489535.89	3859026.54	2.98399	8.79E-02	8.97E-02	8.96E-02
1245	489585.89	3859026.54	2.77374	8.17E-02	8.34E-02	8.33E-02
1246	489635.89	3859026.54	2.57257	7.58E-02	7.74E-02	7.73E-02
1247	489685.89	3859026.54	2.43805	7.18E-02	7.33E-02	7.32E-02
1248	489735.89	3859026.54	2.31448	6.82E-02	6.96E-02	6.95E-02
1249	489785.89	3859026.54	2.20191	6.49E-02	6.62E-02	6.61E-02
1250	489835.89	3859026.54	2.10736	6.21E-02	6.34E-02	6.33E-02
1251	489885.89	3859026.54	2.01726	5.94E-02	6.07E-02	6.06E-02
1252	489935.89	3859026.54	1.96558	5.79E-02	5.91E-02	5.90E-02
1253	489985.89	3859026.54	1.91666	5.65E-02	5.76E-02	5.76E-02
1254	490035.89	3859026.54	1.74522	5.14E-02	5.25E-02	5.24E-02
1255	489485.89	3859076.54	3.9017	1.15E-01	1.17E-01	1.17E-01
1256	489535.89	3859076.54	3.58037	1.06E-01	1.08E-01	1.08E-01

1257	489585.89	3859076.54	3.34319	9.85E-02	1.01E-01	1.00E-01
1258	489635.89	3859076.54	3.12802	9.22E-02	9.41E-02	9.39E-02
1259	489685.89	3859076.54	2.90696	8.57E-02	8.74E-02	8.73E-02
1260	489735.89	3859076.54	2.70353	7.97E-02	8.13E-02	8.12E-02
1261	489785.89	3859076.54	2.51465	7.41E-02	7.56E-02	7.55E-02
1262	489835.89	3859076.54	2.34305	6.90E-02	7.05E-02	7.04E-02
1263	489885.89	3859076.54	2.21755	6.53E-02	6.67E-02	6.66E-02
1264	489935.89	3859076.54	2.11478	6.23E-02	6.36E-02	6.35E-02
1265	489985.89	3859076.54	2.04543	6.03E-02	6.15E-02	6.14E-02
1266	490035.89	3859076.54	1.93178	5.69E-02	5.81E-02	5.80E-02
1267	489585.89	3859126.54	3.97424	1.17E-01	1.19E-01	1.19E-01
1268	489635.89	3859126.54	3.63794	1.07E-01	1.09E-01	1.09E-01
1269	489685.89	3859126.54	3.3826	9.97E-02	1.02E-01	1.02E-01
1270	489735.89	3859126.54	3.18461	9.38E-02	9.58E-02	9.56E-02
1271	489785.89	3859126.54	2.9977	8.83E-02	9.01E-02	9.00E-02
1272	489835.89	3859126.54	2.80669	8.27E-02	8.44E-02	8.43E-02
1273	489885.89	3859126.54	2.59306	7.64E-02	7.80E-02	7.79E-02
1274	489935.89	3859126.54	2.43549	7.18E-02	7.32E-02	7.31E-02
1275	489985.89	3859126.54	2.26277	6.67E-02	6.80E-02	6.80E-02
1276	490035.89	3859126.54	2.09904	6.19E-02	6.31E-02	6.30E-02
1277	489585.89	3859176.54	4.85469	1.43E-01	1.46E-01	1.46E-01
1278	489635.89	3859176.54	4.401	1.30E-01	1.32E-01	1.32E-01
1279	489685.89	3859176.54	4.05027	1.19E-01	1.22E-01	1.22E-01
1280	489735.89	3859176.54	3.7104	1.09E-01	1.12E-01	1.11E-01
1281	489785.89	3859176.54	3.43008	1.01E-01	1.03E-01	1.03E-01
1282	489835.89	3859176.54	3.22787	9.51E-02	9.71E-02	9.69E-02
1283	489885.89	3859176.54	3.04378	8.97E-02	9.15E-02	9.14E-02
1284	489935.89	3859176.54	2.81956	8.31E-02	8.48E-02	8.47E-02
1285	489985.89	3859176.54	2.60957	7.69E-02	7.85E-02	7.84E-02
1286	490035.89	3859176.54	2.46996	7.28E-02	7.43E-02	7.42E-02
1287	489685.89	3859226.54	4.88268	1.44E-01	1.47E-01	1.47E-01
1288	489735.89	3859226.54	4.48341	1.32E-01	1.35E-01	1.35E-01
1289	489785.89	3859226.54	4.07206	1.20E-01	1.22E-01	1.22E-01
1290	489835.89	3859226.54	3.75591	1.11E-01	1.13E-01	1.13E-01
1291	489885.89	3859226.54	3.48323	1.03E-01	1.05E-01	1.05E-01
1292	489935.89	3859226.54	3.24315	9.56E-02	9.75E-02	9.74E-02
1293	489985.89	3859226.54	2.99652	8.83E-02	9.01E-02	9.00E-02
1294	490035.89	3859226.54	2.81764	8.30E-02	8.47E-02	8.46E-02
1295	489735.89	3859276.54	5.60516	1.65E-01	1.69E-01	1.68E-01
1296	489785.89	3859276.54	4.93972	1.46E-01	1.49E-01	1.48E-01
1297	489835.89	3859276.54	4.51101	1.33E-01	1.36E-01	1.35E-01
1298	489885.89	3859276.54	4.10571	1.21E-01	1.23E-01	1.23E-01
1299	489935.89	3859276.54	3.72916	1.10E-01	1.12E-01	1.12E-01
1300	489985.89	3859276.54	3.36189	9.91E-02	1.01E-01	1.01E-01
1301	490035.89	3859276.54	3.23824	9.54E-02	9.74E-02	9.73E-02
1302	490458.06	3859590.74	5.18735	1.53E-01	1.56E-01	1.56E-01
1303	490508.06	3859590.74	4.69424	1.38E-01	1.41E-01	1.41E-01
1304	490558.06	3859590.74	4.13732	1.22E-01	1.24E-01	1.24E-01
1305	490608.06	3859590.74	3.71109	1.09E-01	1.12E-01	1.11E-01
1306	490658.06	3859590.74	3.36287	9.91E-02	1.01E-01	1.01E-01
1307	490708.06	3859590.74	3.04446	8.97E-02	9.15E-02	9.14E-02
1308	490758.06	3859590.74	2.66223	7.84E-02	8.00E-02	8.00E-02
1309	490808.06	3859590.74	2.46343	7.26E-02	7.41E-02	7.40E-02
1310	490858.06	3859590.74	2.23644	6.59E-02	6.72E-02	6.72E-02
1311	490458.06	3859640.74	6.92847	2.04E-01	2.08E-01	2.08E-01
1312	490508.06	3859640.74	6.19098	1.82E-01	1.86E-01	1.86E-01
1313	490558.06	3859640.74	5.53036	1.63E-01	1.66E-01	1.66E-01
1314	490608.06	3859640.74	4.81768	1.42E-01	1.45E-01	1.45E-01
1315	490658.06	3859640.74	4.14319	1.22E-01	1.25E-01	1.24E-01
1316	490708.06	3859640.74	3.69955	1.09E-01	1.11E-01	1.11E-01
1317	490758.06	3859640.74	3.26139	9.61E-02	9.81E-02	9.79E-02
1318	490808.06	3859640.74	2.93179	8.64E-02	8.82E-02	8.80E-02
1319	490858.06	3859640.74	2.70831	7.98E-02	8.14E-02	8.13E-02

1320	490608.06	3859690.74	6.61414	1.95E-01	1.99E-01	1.99E-01
1321	490658.06	3859690.74	5.63318	1.66E-01	1.69E-01	1.69E-01
1322	490708.06	3859690.74	4.7091	1.39E-01	1.42E-01	1.41E-01
1323	490758.06	3859690.74	4.0551	1.19E-01	1.22E-01	1.22E-01
1324	490808.06	3859690.74	3.57382	1.05E-01	1.07E-01	1.07E-01
1325	490858.06	3859690.74	3.35956	9.90E-02	1.01E-01	1.01E-01
1326	490708.06	3859740.74	6.82644	2.01E-01	2.05E-01	2.05E-01
1327	490758.06	3859740.74	5.78435	1.70E-01	1.74E-01	1.74E-01
1328	490808.06	3859740.74	4.93295	1.45E-01	1.48E-01	1.48E-01
1329	490858.06	3859740.74	4.45515	1.31E-01	1.34E-01	1.34E-01
1330	490786.56	3859749.39	5.5868	1.65E-01	1.68E-01	1.68E-01
1331	490836.56	3859749.39	4.8882	1.44E-01	1.47E-01	1.47E-01
1332	490786.56	3859799.39	8.71138	2.57E-01	2.62E-01	2.62E-01
1333	490836.56	3859799.39	7.10879	2.09E-01	2.14E-01	2.13E-01
1334	492307.84	3854508.36	0.22794	6.72E-03	6.85E-03	6.85E-03
1335	486445.7	3854753.6	0.38216	1.13E-02	1.15E-02	1.15E-02
1336	472599.75	3877830.11	0.02311	6.81E-04	6.95E-04	6.94E-04
1337	493107.48	3866840.19	0.07073	2.08E-03	2.13E-03	2.12E-03
1338	495815.79	3861662.87	0.26981	7.95E-03	8.11E-03	8.10E-03
1339	480272.33	3841389.2	0.01902	5.60E-04	5.72E-04	5.71E-04
1340	497005.18	3862813.64	0.20922	6.16E-03	6.29E-03	6.28E-03
1341	493677.33	3860302.55	0.85952	2.53E-02	2.58E-02	2.58E-02
1342	493727.33	3860302.55	0.84618	2.49E-02	2.54E-02	2.54E-02
1343	493777.33	3860302.55	0.83337	2.46E-02	2.51E-02	2.50E-02
1344	493827.33	3860302.55	0.82057	2.42E-02	2.47E-02	2.46E-02
1345	493877.33	3860302.55	0.81075	2.39E-02	2.44E-02	2.43E-02
1346	493927.33	3860302.55	0.80165	2.36E-02	2.41E-02	2.41E-02
1347	493977.33	3860302.55	0.78379	2.31E-02	2.36E-02	2.35E-02
1348	494027.33	3860302.55	0.77023	2.27E-02	2.32E-02	2.31E-02
1349	493677.33	3860352.55	0.87305	2.57E-02	2.63E-02	2.62E-02
1350	493727.33	3860352.55	0.85044	2.51E-02	2.56E-02	2.55E-02
1351	493777.33	3860352.55	0.82855	2.44E-02	2.49E-02	2.49E-02
1352	493827.33	3860352.55	0.81276	2.39E-02	2.44E-02	2.44E-02
1353	493877.33	3860352.55	0.8027	2.37E-02	2.41E-02	2.41E-02
1354	493927.33	3860352.55	0.79157	2.33E-02	2.38E-02	2.38E-02
1355	493977.33	3860352.55	0.77439	2.28E-02	2.33E-02	2.33E-02
1356	494027.33	3860352.55	0.76512	2.25E-02	2.30E-02	2.30E-02
1357	493677.33	3860402.55	0.87256	2.57E-02	2.62E-02	2.62E-02
1358	493727.33	3860402.55	0.8523	2.51E-02	2.56E-02	2.56E-02
1359	493777.33	3860402.55	0.83288	2.45E-02	2.50E-02	2.50E-02
1360	493827.33	3860402.55	0.81374	2.40E-02	2.45E-02	2.44E-02
1361	493877.33	3860402.55	0.79549	2.34E-02	2.39E-02	2.39E-02
1362	493927.33	3860402.55	0.77908	2.30E-02	2.34E-02	2.34E-02
1363	493977.33	3860402.55	0.76659	2.26E-02	2.30E-02	2.30E-02
1364	494027.33	3860402.55	0.75851	2.24E-02	2.28E-02	2.28E-02
1365	493677.33	3860452.55	0.86582	2.55E-02	2.60E-02	2.60E-02
1366	493727.33	3860452.55	0.84949	2.50E-02	2.55E-02	2.55E-02
1367	493777.33	3860452.55	0.83293	2.45E-02	2.50E-02	2.50E-02
1368	493827.33	3860452.55	0.81627	2.41E-02	2.45E-02	2.45E-02
1369	493877.33	3860452.55	0.79769	2.35E-02	2.40E-02	2.40E-02
1370	493927.33	3860452.55	0.78076	2.30E-02	2.35E-02	2.34E-02
1371	493977.33	3860452.55	0.76526	2.25E-02	2.30E-02	2.30E-02
1372	494027.33	3860452.55	0.74907	2.21E-02	2.25E-02	2.25E-02
1373	493677.33	3860502.55	0.83549	2.46E-02	2.51E-02	2.51E-02
1374	493727.33	3860502.55	0.82447	2.43E-02	2.48E-02	2.48E-02
1375	493777.33	3860502.55	0.81108	2.39E-02	2.44E-02	2.44E-02
1376	493827.33	3860502.55	0.79742	2.35E-02	2.40E-02	2.39E-02
1377	493877.33	3860502.55	0.78164	2.30E-02	2.35E-02	2.35E-02
1378	493927.33	3860502.55	0.76392	2.25E-02	2.30E-02	2.29E-02
1379	493977.33	3860502.55	0.75254	2.22E-02	2.26E-02	2.26E-02
1380	494027.33	3860502.55	0.73962	2.18E-02	2.22E-02	2.22E-02
1381	493627.33	3860552.55	0.83402	2.46E-02	2.51E-02	2.50E-02
1382	493677.33	3860552.55	0.80206	2.36E-02	2.41E-02	2.41E-02

1383	493727.33	3860552.55	0.77532	2.28E-02	2.33E-02	2.33E-02
1384	493777.33	3860552.55	0.76615	2.26E-02	2.30E-02	2.30E-02
1385	493827.33	3860552.55	0.75872	2.24E-02	2.28E-02	2.28E-02
1386	493877.33	3860552.55	0.75072	2.21E-02	2.26E-02	2.25E-02
1387	493927.33	3860552.55	0.74272	2.19E-02	2.23E-02	2.23E-02
1388	493977.33	3860552.55	0.73288	2.16E-02	2.20E-02	2.20E-02
1389	494027.33	3860552.55	0.71883	2.12E-02	2.16E-02	2.16E-02
1390	493627.33	3860602.55	0.81644	2.41E-02	2.45E-02	2.45E-02
1391	493727.33	3860602.55	0.7726	2.28E-02	2.32E-02	2.32E-02
1392	493777.33	3860602.55	0.76603	2.26E-02	2.30E-02	2.30E-02
1393	493827.33	3860602.55	0.73766	2.17E-02	2.22E-02	2.22E-02
1394	493877.33	3860602.55	0.71681	2.11E-02	2.16E-02	2.15E-02
1395	493927.33	3860602.55	0.70467	2.08E-02	2.12E-02	2.12E-02
1396	493977.33	3860602.55	0.69302	2.04E-02	2.08E-02	2.08E-02
1397	494027.33	3860602.55	0.68472	2.02E-02	2.06E-02	2.06E-02
1398	493627.33	3860652.55	0.7709	2.27E-02	2.32E-02	2.32E-02
1399	493727.33	3860652.55	0.74431	2.19E-02	2.24E-02	2.24E-02
1400	493777.33	3860652.55	0.72853	2.15E-02	2.19E-02	2.19E-02
1401	493827.33	3860652.55	0.71745	2.11E-02	2.16E-02	2.15E-02
1402	493877.33	3860652.55	0.70907	2.09E-02	2.13E-02	2.13E-02
1403	493927.33	3860652.55	0.70219	2.07E-02	2.11E-02	2.11E-02
1404	493977.33	3860652.55	0.68765	2.03E-02	2.07E-02	2.07E-02
1405	494027.33	3860652.55	0.68177	2.01E-02	2.05E-02	2.05E-02
1406	494311.06	3858401.99	0.17859	5.26E-03	5.37E-03	5.36E-03
1407	494361.06	3858401.99	0.17528	5.16E-03	5.27E-03	5.26E-03
1408	494411.06	3858401.99	0.17306	5.10E-03	5.20E-03	5.20E-03
1409	494461.06	3858401.99	0.1714	5.05E-03	5.15E-03	5.15E-03
1410	494511.06	3858401.99	0.16716	4.93E-03	5.03E-03	5.02E-03
1411	494561.06	3858401.99	0.16454	4.85E-03	4.95E-03	4.94E-03
1412	494611.06	3858401.99	0.15948	4.70E-03	4.80E-03	4.79E-03
1413	494661.06	3858401.99	0.16046	4.73E-03	4.82E-03	4.82E-03
1414	494711.06	3858401.99	0.15974	4.71E-03	4.80E-03	4.80E-03
1415	494761.06	3858401.99	0.16092	4.74E-03	4.84E-03	4.83E-03
1416	494811.06	3858401.99	0.15814	4.66E-03	4.75E-03	4.75E-03
1417	494861.06	3858401.99	0.158	4.66E-03	4.75E-03	4.75E-03
1418	494911.06	3858401.99	0.15412	4.54E-03	4.63E-03	4.63E-03
1419	494961.06	3858401.99	0.151	4.45E-03	4.54E-03	4.53E-03
1420	495011.06	3858401.99	0.14872	4.38E-03	4.47E-03	4.47E-03
1421	495061.06	3858401.99	0.14684	4.33E-03	4.42E-03	4.41E-03
1422	495111.06	3858401.99	0.14129	4.16E-03	4.25E-03	4.24E-03
1423	495161.06	3858401.99	0.14068	4.15E-03	4.23E-03	4.22E-03
1424	495211.06	3858401.99	0.13498	3.98E-03	4.06E-03	4.05E-03
1425	495261.06	3858401.99	0.13152	3.88E-03	3.95E-03	3.95E-03
1426	495311.06	3858401.99	0.12577	3.71E-03	3.78E-03	3.78E-03
1427	495361.06	3858401.99	0.1229	3.62E-03	3.70E-03	3.69E-03
1428	495411.06	3858401.99	0.12038	3.55E-03	3.62E-03	3.62E-03
1429	495461.06	3858401.99	0.11787	3.47E-03	3.54E-03	3.54E-03
1430	495511.06	3858401.99	0.115	3.39E-03	3.46E-03	3.45E-03
1431	495561.06	3858401.99	0.11108	3.27E-03	3.34E-03	3.34E-03
1432	495611.06	3858401.99	0.11034	3.25E-03	3.32E-03	3.31E-03
1433	495661.06	3858401.99	0.11288	3.33E-03	3.39E-03	3.39E-03
1434	494311.06	3858451.99	0.18675	5.50E-03	5.62E-03	5.61E-03
1435	494361.06	3858451.99	0.18211	5.37E-03	5.48E-03	5.47E-03
1436	494411.06	3858451.99	0.18436	5.43E-03	5.54E-03	5.54E-03
1437	494461.06	3858451.99	0.18384	5.42E-03	5.53E-03	5.52E-03
1438	494511.06	3858451.99	0.18277	5.39E-03	5.50E-03	5.49E-03
1439	494561.06	3858451.99	0.17874	5.27E-03	5.37E-03	5.37E-03
1440	494611.06	3858451.99	0.17524	5.16E-03	5.27E-03	5.26E-03
1441	494661.06	3858451.99	0.17107	5.04E-03	5.14E-03	5.14E-03
1442	494711.06	3858451.99	0.1664	4.90E-03	5.00E-03	5.00E-03
1443	494761.06	3858451.99	0.1667	4.91E-03	5.01E-03	5.01E-03
1444	494811.06	3858451.99	0.16741	4.93E-03	5.03E-03	5.03E-03
1445	494861.06	3858451.99	0.1667	4.91E-03	5.01E-03	5.01E-03

1446	494911.06	3858451.99	0.16259	4.79E-03	4.89E-03	4.88E-03
1447	494961.06	3858451.99	0.16188	4.77E-03	4.87E-03	4.86E-03
1448	495011.06	3858451.99	0.1566	4.61E-03	4.71E-03	4.70E-03
1449	495061.06	3858451.99	0.1539	4.53E-03	4.63E-03	4.62E-03
1450	495111.06	3858451.99	0.15143	4.46E-03	4.55E-03	4.55E-03
1451	495161.06	3858451.99	0.14778	4.35E-03	4.44E-03	4.44E-03
1452	495211.06	3858451.99	0.14407	4.25E-03	4.33E-03	4.33E-03
1453	495261.06	3858451.99	0.14154	4.17E-03	4.26E-03	4.25E-03
1454	495311.06	3858451.99	0.13912	4.10E-03	4.18E-03	4.18E-03
1455	495361.06	3858451.99	0.13587	4.00E-03	4.09E-03	4.08E-03
1456	495411.06	3858451.99	0.13101	3.86E-03	3.94E-03	3.93E-03
1457	495461.06	3858451.99	0.12631	3.72E-03	3.80E-03	3.79E-03
1458	495511.06	3858451.99	0.12287	3.62E-03	3.69E-03	3.69E-03
1459	495561.06	3858451.99	0.12363	3.64E-03	3.72E-03	3.71E-03
1460	495611.06	3858451.99	0.1207	3.56E-03	3.63E-03	3.62E-03
1461	495661.06	3858451.99	0.12098	3.56E-03	3.64E-03	3.63E-03
1462	494311.06	3858501.99	0.18981	5.59E-03	5.71E-03	5.70E-03
1463	494361.06	3858501.99	0.19081	5.62E-03	5.74E-03	5.73E-03
1464	494411.06	3858501.99	0.18936	5.58E-03	5.69E-03	5.69E-03
1465	494461.06	3858501.99	0.18688	5.51E-03	5.62E-03	5.61E-03
1466	494511.06	3858501.99	0.18629	5.49E-03	5.60E-03	5.59E-03
1467	494561.06	3858501.99	0.19162	5.65E-03	5.76E-03	5.75E-03
1468	494611.06	3858501.99	0.18858	5.56E-03	5.67E-03	5.66E-03
1469	494661.06	3858501.99	0.18604	5.48E-03	5.59E-03	5.59E-03
1470	494711.06	3858501.99	0.18119	5.34E-03	5.45E-03	5.44E-03
1471	494761.06	3858501.99	0.17533	5.17E-03	5.27E-03	5.27E-03
1472	494811.06	3858501.99	0.17122	5.05E-03	5.15E-03	5.14E-03
1473	494861.06	3858501.99	0.17253	5.08E-03	5.19E-03	5.18E-03
1474	494911.06	3858501.99	0.17026	5.02E-03	5.12E-03	5.11E-03
1475	494961.06	3858501.99	0.16768	4.94E-03	5.04E-03	5.04E-03
1476	495011.06	3858501.99	0.16519	4.87E-03	4.97E-03	4.96E-03
1477	495061.06	3858501.99	0.16595	4.89E-03	4.99E-03	4.98E-03
1478	495111.06	3858501.99	0.15857	4.67E-03	4.77E-03	4.76E-03
1479	495161.06	3858501.99	0.1539	4.53E-03	4.63E-03	4.62E-03
1480	495211.06	3858501.99	0.15176	4.47E-03	4.56E-03	4.56E-03
1481	495261.06	3858501.99	0.15033	4.43E-03	4.52E-03	4.51E-03
1482	495311.06	3858501.99	0.14965	4.41E-03	4.50E-03	4.49E-03
1483	495361.06	3858501.99	0.1486	4.38E-03	4.47E-03	4.46E-03
1484	495411.06	3858501.99	0.14766	4.35E-03	4.44E-03	4.43E-03
1485	495461.06	3858501.99	0.1444	4.25E-03	4.34E-03	4.34E-03
1486	495511.06	3858501.99	0.13849	4.08E-03	4.16E-03	4.16E-03
1487	495561.06	3858501.99	0.13499	3.98E-03	4.06E-03	4.05E-03
1488	495611.06	3858501.99	0.13134	3.87E-03	3.95E-03	3.94E-03
1489	495661.06	3858501.99	0.13209	3.89E-03	3.97E-03	3.97E-03
1490	494311.06	3858551.99	0.19111	5.63E-03	5.75E-03	5.74E-03
1491	494361.06	3858551.99	0.19603	5.78E-03	5.89E-03	5.89E-03
1492	494411.06	3858551.99	0.19644	5.79E-03	5.91E-03	5.90E-03
1493	494461.06	3858551.99	0.19902	5.86E-03	5.98E-03	5.98E-03
1494	494511.06	3858551.99	0.19786	5.83E-03	5.95E-03	5.94E-03
1495	494561.06	3858551.99	0.19534	5.76E-03	5.87E-03	5.87E-03
1496	494611.06	3858551.99	0.19393	5.71E-03	5.83E-03	5.82E-03
1497	494661.06	3858551.99	0.19899	5.86E-03	5.98E-03	5.98E-03
1498	494711.06	3858551.99	0.19525	5.75E-03	5.87E-03	5.86E-03
1499	494761.06	3858551.99	0.19036	5.61E-03	5.72E-03	5.72E-03
1500	494811.06	3858551.99	0.18604	5.48E-03	5.59E-03	5.59E-03
1501	494861.06	3858551.99	0.1802	5.31E-03	5.42E-03	5.41E-03
1502	494911.06	3858551.99	0.17608	5.19E-03	5.29E-03	5.29E-03
1503	494961.06	3858551.99	0.17544	5.17E-03	5.28E-03	5.27E-03
1504	495011.06	3858551.99	0.17362	5.12E-03	5.22E-03	5.21E-03
1505	495061.06	3858551.99	0.16946	4.99E-03	5.10E-03	5.09E-03
1506	495111.06	3858551.99	0.16663	4.91E-03	5.01E-03	5.00E-03
1507	495161.06	3858551.99	0.16499	4.86E-03	4.96E-03	4.96E-03
1508	495211.06	3858551.99	0.16009	4.72E-03	4.81E-03	4.81E-03

1509	495261.06	3858551.99	0.15792	4.65E-03	4.75E-03	4.74E-03
1510	495311.06	3858551.99	0.15866	4.68E-03	4.77E-03	4.76E-03
1511	495361.06	3858551.99	0.15863	4.67E-03	4.77E-03	4.76E-03
1512	495411.06	3858551.99	0.15899	4.68E-03	4.78E-03	4.77E-03
1513	495461.06	3858551.99	0.15829	4.66E-03	4.76E-03	4.75E-03
1514	495511.06	3858551.99	0.15781	4.65E-03	4.75E-03	4.74E-03
1515	495561.06	3858551.99	0.15255	4.50E-03	4.59E-03	4.58E-03
1516	495611.06	3858551.99	0.14639	4.31E-03	4.40E-03	4.40E-03
1517	495661.06	3858551.99	0.14166	4.17E-03	4.26E-03	4.25E-03
1518	494311.06	3858601.99	0.17956	5.29E-03	5.40E-03	5.39E-03
1519	494361.06	3858601.99	0.19534	5.76E-03	5.87E-03	5.87E-03
1520	494411.06	3858601.99	0.20865	6.15E-03	6.27E-03	6.27E-03
1521	494461.06	3858601.99	0.2086	6.15E-03	6.27E-03	6.26E-03
1522	494511.06	3858601.99	0.20513	6.04E-03	6.17E-03	6.16E-03
1523	494561.06	3858601.99	0.20861	6.15E-03	6.27E-03	6.27E-03
1524	494611.06	3858601.99	0.20534	6.05E-03	6.17E-03	6.17E-03
1525	494661.06	3858601.99	0.20182	5.95E-03	6.07E-03	6.06E-03
1526	494711.06	3858601.99	0.19715	5.81E-03	5.93E-03	5.92E-03
1527	494761.06	3858601.99	0.2004	5.91E-03	6.03E-03	6.02E-03
1528	494811.06	3858601.99	0.19801	5.83E-03	5.95E-03	5.95E-03
1529	494861.06	3858601.99	0.19416	5.72E-03	5.84E-03	5.83E-03
1530	494911.06	3858601.99	0.18718	5.52E-03	5.63E-03	5.62E-03
1531	494961.06	3858601.99	0.18161	5.35E-03	5.46E-03	5.45E-03
1532	495011.06	3858601.99	0.17931	5.28E-03	5.39E-03	5.39E-03
1533	495061.06	3858601.99	0.17683	5.21E-03	5.32E-03	5.31E-03
1534	495111.06	3858601.99	0.17164	5.06E-03	5.16E-03	5.15E-03
1535	495161.06	3858601.99	0.16882	4.97E-03	5.08E-03	5.07E-03
1536	495211.06	3858601.99	0.16961	5.00E-03	5.10E-03	5.09E-03
1537	495261.06	3858601.99	0.16932	4.99E-03	5.09E-03	5.09E-03
1538	495311.06	3858601.99	0.16632	4.90E-03	5.00E-03	5.00E-03
1539	495361.06	3858601.99	0.16645	4.90E-03	5.00E-03	5.00E-03
1540	495411.06	3858601.99	0.16735	4.93E-03	5.03E-03	5.03E-03
1541	495461.06	3858601.99	0.16802	4.95E-03	5.05E-03	5.05E-03
1542	495511.06	3858601.99	0.16694	4.92E-03	5.02E-03	5.01E-03
1543	495561.06	3858601.99	0.16717	4.93E-03	5.03E-03	5.02E-03
1544	495611.06	3858601.99	0.16255	4.79E-03	4.89E-03	4.88E-03
1545	495661.06	3858601.99	0.15758	4.64E-03	4.74E-03	4.73E-03
1546	494311.06	3858651.99	0.18153	5.35E-03	5.46E-03	5.45E-03
1547	494361.06	3858651.99	0.19265	5.68E-03	5.79E-03	5.79E-03
1548	494411.06	3858651.99	0.20737	6.11E-03	6.24E-03	6.23E-03
1549	494461.06	3858651.99	0.20965	6.18E-03	6.30E-03	6.30E-03
1550	494511.06	3858651.99	0.21501	6.34E-03	6.46E-03	6.46E-03
1551	494561.06	3858651.99	0.21659	6.38E-03	6.51E-03	6.50E-03
1552	494611.06	3858651.99	0.21446	6.32E-03	6.45E-03	6.44E-03
1553	494661.06	3858651.99	0.21447	6.32E-03	6.45E-03	6.44E-03
1554	494711.06	3858651.99	0.20915	6.16E-03	6.29E-03	6.28E-03
1555	494761.06	3858651.99	0.2045	6.03E-03	6.15E-03	6.14E-03
1556	494811.06	3858651.99	0.19756	5.82E-03	5.94E-03	5.93E-03
1557	494861.06	3858651.99	0.19914	5.87E-03	5.99E-03	5.98E-03
1558	494911.06	3858651.99	0.19994	5.89E-03	6.01E-03	6.00E-03
1559	494961.06	3858651.99	0.19467	5.74E-03	5.85E-03	5.85E-03
1560	495011.06	3858651.99	0.18954	5.59E-03	5.70E-03	5.69E-03
1561	495061.06	3858651.99	0.18336	5.40E-03	5.51E-03	5.51E-03
1562	495111.06	3858651.99	0.17901	5.27E-03	5.38E-03	5.38E-03
1563	495161.06	3858651.99	0.17778	5.24E-03	5.35E-03	5.34E-03
1564	495211.06	3858651.99	0.17384	5.12E-03	5.23E-03	5.22E-03
1565	495261.06	3858651.99	0.17427	5.14E-03	5.24E-03	5.23E-03
1566	495311.06	3858651.99	0.17527	5.16E-03	5.27E-03	5.26E-03
1567	495361.06	3858651.99	0.17668	5.21E-03	5.31E-03	5.31E-03
1568	495411.06	3858651.99	0.17565	5.18E-03	5.28E-03	5.28E-03
1569	495461.06	3858651.99	0.17725	5.22E-03	5.33E-03	5.32E-03
1570	495511.06	3858651.99	0.17678	5.21E-03	5.32E-03	5.31E-03
1571	495561.06	3858651.99	0.17649	5.20E-03	5.31E-03	5.30E-03

1572	495611.06	3858651.99	0.17457	5.14E-03	5.25E-03	5.24E-03
1573	495661.06	3858651.99	0.17427	5.14E-03	5.24E-03	5.23E-03
1574	494311.06	3858701.99	0.18976	5.59E-03	5.71E-03	5.70E-03
1575	494361.06	3858701.99	0.20047	5.91E-03	6.03E-03	6.02E-03
1576	494411.06	3858701.99	0.21254	6.26E-03	6.39E-03	6.38E-03
1577	494461.06	3858701.99	0.21477	6.33E-03	6.46E-03	6.45E-03
1578	494511.06	3858701.99	0.21506	6.34E-03	6.47E-03	6.46E-03
1579	494561.06	3858701.99	0.2148	6.33E-03	6.46E-03	6.45E-03
1580	494611.06	3858701.99	0.21659	6.38E-03	6.51E-03	6.50E-03
1581	494661.06	3858701.99	0.22227	6.55E-03	6.68E-03	6.68E-03
1582	494711.06	3858701.99	0.21121	6.22E-03	6.35E-03	6.34E-03
1583	494761.06	3858701.99	0.21432	6.32E-03	6.44E-03	6.44E-03
1584	494811.06	3858701.99	0.20808	6.13E-03	6.26E-03	6.25E-03
1585	494861.06	3858701.99	0.20257	5.97E-03	6.09E-03	6.08E-03
1586	494911.06	3858701.99	0.19729	5.81E-03	5.93E-03	5.93E-03
1587	494961.06	3858701.99	0.19469	5.74E-03	5.85E-03	5.85E-03
1588	495011.06	3858701.99	0.19677	5.80E-03	5.92E-03	5.91E-03
1589	495061.06	3858701.99	0.19653	5.79E-03	5.91E-03	5.90E-03
1590	495111.06	3858701.99	0.18979	5.59E-03	5.71E-03	5.70E-03
1591	495161.06	3858701.99	0.18536	5.46E-03	5.57E-03	5.57E-03
1592	495211.06	3858701.99	0.1817	5.35E-03	5.46E-03	5.46E-03
1593	495261.06	3858701.99	0.18311	5.40E-03	5.51E-03	5.50E-03
1594	495311.06	3858701.99	0.18211	5.37E-03	5.48E-03	5.47E-03
1595	495361.06	3858701.99	0.18094	5.33E-03	5.44E-03	5.43E-03
1596	495411.06	3858701.99	0.18348	5.41E-03	5.52E-03	5.51E-03
1597	495461.06	3858701.99	0.18485	5.45E-03	5.56E-03	5.55E-03
1598	495511.06	3858701.99	0.18394	5.42E-03	5.53E-03	5.52E-03
1599	495561.06	3858701.99	0.18396	5.42E-03	5.53E-03	5.52E-03
1600	495611.06	3858701.99	0.18347	5.41E-03	5.52E-03	5.51E-03
1601	495661.06	3858701.99	0.18288	5.39E-03	5.50E-03	5.49E-03
1602	494311.06	3858751.99	0.19734	5.81E-03	5.93E-03	5.93E-03
1603	494361.06	3858751.99	0.21044	6.20E-03	6.33E-03	6.32E-03
1604	494411.06	3858751.99	0.21881	6.45E-03	6.58E-03	6.57E-03
1605	494461.06	3858751.99	0.21916	6.46E-03	6.59E-03	6.58E-03
1606	494511.06	3858751.99	0.22293	6.57E-03	6.70E-03	6.70E-03
1607	494561.06	3858751.99	0.221	6.51E-03	6.65E-03	6.64E-03
1608	494611.06	3858751.99	0.21902	6.45E-03	6.59E-03	6.58E-03
1609	494661.06	3858751.99	0.21796	6.42E-03	6.55E-03	6.55E-03
1610	494711.06	3858751.99	0.2166	6.38E-03	6.51E-03	6.51E-03
1611	494761.06	3858751.99	0.2214	6.52E-03	6.66E-03	6.65E-03
1612	494811.06	3858751.99	0.21761	6.41E-03	6.54E-03	6.54E-03
1613	494861.06	3858751.99	0.21272	6.27E-03	6.40E-03	6.39E-03
1614	494911.06	3858751.99	0.20596	6.07E-03	6.19E-03	6.19E-03
1615	494961.06	3858751.99	0.20055	5.91E-03	6.03E-03	6.02E-03
1616	495011.06	3858751.99	0.19624	5.78E-03	5.90E-03	5.89E-03
1617	495061.06	3858751.99	0.19557	5.76E-03	5.88E-03	5.87E-03
1618	495111.06	3858751.99	0.19722	5.81E-03	5.93E-03	5.92E-03
1619	495161.06	3858751.99	0.19801	5.83E-03	5.95E-03	5.95E-03
1620	495211.06	3858751.99	0.19366	5.71E-03	5.82E-03	5.82E-03
1621	495261.06	3858751.99	0.19139	5.64E-03	5.75E-03	5.75E-03
1622	495311.06	3858751.99	0.1903	5.61E-03	5.72E-03	5.72E-03
1623	495361.06	3858751.99	0.19104	5.63E-03	5.74E-03	5.74E-03
1624	495411.06	3858751.99	0.18998	5.60E-03	5.71E-03	5.71E-03
1625	495461.06	3858751.99	0.1882	5.55E-03	5.66E-03	5.65E-03
1626	495511.06	3858751.99	0.18928	5.58E-03	5.69E-03	5.68E-03
1627	495561.06	3858751.99	0.18968	5.59E-03	5.70E-03	5.70E-03
1628	495611.06	3858751.99	0.18962	5.59E-03	5.70E-03	5.69E-03
1629	495661.06	3858751.99	0.1895	5.58E-03	5.70E-03	5.69E-03
1630	494311.06	3858801.99	0.20594	6.07E-03	6.19E-03	6.18E-03
1631	494361.06	3858801.99	0.21745	6.41E-03	6.54E-03	6.53E-03
1632	494411.06	3858801.99	0.22004	6.48E-03	6.62E-03	6.61E-03
1633	494461.06	3858801.99	0.2242	6.61E-03	6.74E-03	6.73E-03
1634	494511.06	3858801.99	0.22907	6.75E-03	6.89E-03	6.88E-03

1635	494561.06	3858801.99	0.22894	6.75E-03	6.88E-03	6.88E-03
1636	494611.06	3858801.99	0.22793	6.72E-03	6.85E-03	6.85E-03
1637	494661.06	3858801.99	0.22578	6.65E-03	6.79E-03	6.78E-03
1638	494711.06	3858801.99	0.22293	6.57E-03	6.70E-03	6.70E-03
1639	494761.06	3858801.99	0.22009	6.49E-03	6.62E-03	6.61E-03
1640	494811.06	3858801.99	0.21827	6.43E-03	6.56E-03	6.56E-03
1641	494861.06	3858801.99	0.21868	6.44E-03	6.58E-03	6.57E-03
1642	494911.06	3858801.99	0.21683	6.39E-03	6.52E-03	6.51E-03
1643	494961.06	3858801.99	0.21211	6.25E-03	6.38E-03	6.37E-03
1644	495011.06	3858801.99	0.2068	6.09E-03	6.22E-03	6.21E-03
1645	495061.06	3858801.99	0.20286	5.98E-03	6.10E-03	6.09E-03
1646	495111.06	3858801.99	0.19589	5.77E-03	5.89E-03	5.88E-03
1647	495161.06	3858801.99	0.19341	5.70E-03	5.82E-03	5.81E-03
1648	495211.06	3858801.99	0.19811	5.84E-03	5.96E-03	5.95E-03
1649	495261.06	3858801.99	0.20265	5.97E-03	6.09E-03	6.09E-03
1650	495311.06	3858801.99	0.20186	5.95E-03	6.07E-03	6.06E-03
1651	495361.06	3858801.99	0.19993	5.89E-03	6.01E-03	6.00E-03
1652	495411.06	3858801.99	0.19976	5.89E-03	6.01E-03	6.00E-03
1653	495461.06	3858801.99	0.20069	5.91E-03	6.03E-03	6.03E-03
1654	495511.06	3858801.99	0.19532	5.76E-03	5.87E-03	5.87E-03
1655	495561.06	3858801.99	0.19428	5.72E-03	5.84E-03	5.83E-03
1656	495611.06	3858801.99	0.19399	5.72E-03	5.83E-03	5.83E-03
1657	495661.06	3858801.99	0.19584	5.77E-03	5.89E-03	5.88E-03
1658	494311.06	3858851.99	0.22142	6.52E-03	6.66E-03	6.65E-03
1659	494361.06	3858851.99	0.22754	6.70E-03	6.84E-03	6.83E-03
1660	494411.06	3858851.99	0.22642	6.67E-03	6.81E-03	6.80E-03
1661	494461.06	3858851.99	0.2275	6.70E-03	6.84E-03	6.83E-03
1662	494511.06	3858851.99	0.22974	6.77E-03	6.91E-03	6.90E-03
1663	494561.06	3858851.99	0.23289	6.86E-03	7.00E-03	6.99E-03
1664	494611.06	3858851.99	0.23278	6.86E-03	7.00E-03	6.99E-03
1665	494661.06	3858851.99	0.23115	6.81E-03	6.95E-03	6.94E-03
1666	494711.06	3858851.99	0.22829	6.73E-03	6.86E-03	6.86E-03
1667	494761.06	3858851.99	0.22521	6.64E-03	6.77E-03	6.76E-03
1668	494811.06	3858851.99	0.22231	6.55E-03	6.68E-03	6.68E-03
1669	494861.06	3858851.99	0.22018	6.49E-03	6.62E-03	6.61E-03
1670	494911.06	3858851.99	0.21976	6.48E-03	6.61E-03	6.60E-03
1671	494961.06	3858851.99	0.21938	6.46E-03	6.60E-03	6.59E-03
1672	495011.06	3858851.99	0.21915	6.46E-03	6.59E-03	6.58E-03
1673	495061.06	3858851.99	0.21475	6.33E-03	6.46E-03	6.45E-03
1674	495111.06	3858851.99	0.20541	6.05E-03	6.18E-03	6.17E-03
1675	495161.06	3858851.99	0.20002	5.89E-03	6.01E-03	6.01E-03
1676	495211.06	3858851.99	0.19953	5.88E-03	6.00E-03	5.99E-03
1677	495261.06	3858851.99	0.19854	5.85E-03	5.97E-03	5.96E-03
1678	495311.06	3858851.99	0.20524	6.05E-03	6.17E-03	6.16E-03
1679	495361.06	3858851.99	0.2112	6.22E-03	6.35E-03	6.34E-03
1680	495411.06	3858851.99	0.21005	6.19E-03	6.32E-03	6.31E-03
1681	495461.06	3858851.99	0.20877	6.15E-03	6.28E-03	6.27E-03
1682	495511.06	3858851.99	0.20716	6.10E-03	6.23E-03	6.22E-03
1683	495561.06	3858851.99	0.20364	6.00E-03	6.12E-03	6.12E-03
1684	495611.06	3858851.99	0.1979	5.83E-03	5.95E-03	5.94E-03
1685	495661.06	3858851.99	0.20109	5.93E-03	6.05E-03	6.04E-03
1686	494311.06	3858901.99	0.22596	6.66E-03	6.79E-03	6.79E-03
1687	494361.06	3858901.99	0.23186	6.83E-03	6.97E-03	6.96E-03
1688	494411.06	3858901.99	0.23411	6.90E-03	7.04E-03	7.03E-03
1689	494461.06	3858901.99	0.23346	6.88E-03	7.02E-03	7.01E-03
1690	494511.06	3858901.99	0.23392	6.89E-03	7.03E-03	7.03E-03
1691	494561.06	3858901.99	0.23303	6.87E-03	7.01E-03	7.00E-03
1692	494611.06	3858901.99	0.23197	6.84E-03	6.97E-03	6.97E-03
1693	494661.06	3858901.99	0.23398	6.89E-03	7.04E-03	7.03E-03
1694	494711.06	3858901.99	0.23281	6.86E-03	7.00E-03	6.99E-03
1695	494761.06	3858901.99	0.22981	6.77E-03	6.91E-03	6.90E-03
1696	494811.06	3858901.99	0.22782	6.71E-03	6.85E-03	6.84E-03
1697	494861.06	3858901.99	0.22599	6.66E-03	6.80E-03	6.79E-03

1698	494911.06	3858901.99	0.22212	6.55E-03	6.68E-03	6.67E-03
1699	494961.06	3858901.99	0.21974	6.47E-03	6.61E-03	6.60E-03
1700	495011.06	3858901.99	0.22018	6.49E-03	6.62E-03	6.61E-03
1701	495061.06	3858901.99	0.21861	6.44E-03	6.57E-03	6.57E-03
1702	495111.06	3858901.99	0.21356	6.29E-03	6.42E-03	6.41E-03
1703	495161.06	3858901.99	0.21354	6.29E-03	6.42E-03	6.41E-03
1704	495211.06	3858901.99	0.21159	6.23E-03	6.36E-03	6.35E-03
1705	495261.06	3858901.99	0.21002	6.19E-03	6.31E-03	6.31E-03
1706	495311.06	3858901.99	0.20743	6.11E-03	6.24E-03	6.23E-03
1707	495361.06	3858901.99	0.20556	6.06E-03	6.18E-03	6.17E-03
1708	495411.06	3858901.99	0.21204	6.25E-03	6.38E-03	6.37E-03
1709	495461.06	3858901.99	0.21736	6.40E-03	6.54E-03	6.53E-03
1710	495511.06	3858901.99	0.21508	6.34E-03	6.47E-03	6.46E-03
1711	495561.06	3858901.99	0.21221	6.25E-03	6.38E-03	6.37E-03
1712	495611.06	3858901.99	0.21057	6.20E-03	6.33E-03	6.32E-03
1713	495661.06	3858901.99	0.21053	6.20E-03	6.33E-03	6.32E-03
1714	494311.06	3858951.99	0.23679	6.98E-03	7.12E-03	7.11E-03
1715	494361.06	3858951.99	0.23666	6.97E-03	7.12E-03	7.11E-03
1716	494411.06	3858951.99	0.23606	6.96E-03	7.10E-03	7.09E-03
1717	494461.06	3858951.99	0.23911	7.05E-03	7.19E-03	7.18E-03
1718	494511.06	3858951.99	0.23749	7.00E-03	7.14E-03	7.13E-03
1719	494561.06	3858951.99	0.23655	6.97E-03	7.11E-03	7.10E-03
1720	494611.06	3858951.99	0.23523	6.93E-03	7.07E-03	7.06E-03
1721	494661.06	3858951.99	0.23357	6.88E-03	7.02E-03	7.01E-03
1722	494711.06	3858951.99	0.23168	6.83E-03	6.97E-03	6.96E-03
1723	494761.06	3858951.99	0.23241	6.85E-03	6.99E-03	6.98E-03
1724	494811.06	3858951.99	0.23206	6.84E-03	6.98E-03	6.97E-03
1725	494861.06	3858951.99	0.23042	6.79E-03	6.93E-03	6.92E-03
1726	494911.06	3858951.99	0.2277	6.71E-03	6.85E-03	6.84E-03
1727	494961.06	3858951.99	0.22589	6.66E-03	6.79E-03	6.78E-03
1728	495011.06	3858951.99	0.22121	6.52E-03	6.65E-03	6.64E-03
1729	495061.06	3858951.99	0.21644	6.38E-03	6.51E-03	6.50E-03
1730	495111.06	3858951.99	0.21417	6.31E-03	6.44E-03	6.43E-03
1731	495161.06	3858951.99	0.21976	6.48E-03	6.61E-03	6.60E-03
1732	495211.06	3858951.99	0.22223	6.55E-03	6.68E-03	6.67E-03
1733	495261.06	3858951.99	0.22228	6.55E-03	6.68E-03	6.68E-03
1734	495311.06	3858951.99	0.21824	6.43E-03	6.56E-03	6.55E-03
1735	495361.06	3858951.99	0.21703	6.40E-03	6.53E-03	6.52E-03
1736	495411.06	3858951.99	0.21597	6.36E-03	6.49E-03	6.49E-03
1737	495461.06	3858951.99	0.21289	6.27E-03	6.40E-03	6.39E-03
1738	495511.06	3858951.99	0.21776	6.42E-03	6.55E-03	6.54E-03
1739	495561.06	3858951.99	0.2203	6.49E-03	6.62E-03	6.62E-03
1740	495611.06	3858951.99	0.2187	6.44E-03	6.58E-03	6.57E-03
1741	495661.06	3858951.99	0.21769	6.41E-03	6.55E-03	6.54E-03
1742	494311.06	3859001.99	0.25181	7.42E-03	7.57E-03	7.56E-03
1743	494361.06	3859001.99	0.24954	7.35E-03	7.50E-03	7.49E-03
1744	494411.06	3859001.99	0.24968	7.36E-03	7.51E-03	7.50E-03
1745	494461.06	3859001.99	0.246	7.25E-03	7.40E-03	7.39E-03
1746	494511.06	3859001.99	0.24157	7.12E-03	7.26E-03	7.25E-03
1747	494561.06	3859001.99	0.2394	7.05E-03	7.20E-03	7.19E-03
1748	494611.06	3859001.99	0.23798	7.01E-03	7.16E-03	7.15E-03
1749	494661.06	3859001.99	0.23671	6.97E-03	7.12E-03	7.11E-03
1750	494711.06	3859001.99	0.23444	6.91E-03	7.05E-03	7.04E-03
1751	494761.06	3859001.99	0.23292	6.86E-03	7.00E-03	7.00E-03
1752	494811.06	3859001.99	0.2341	6.90E-03	7.04E-03	7.03E-03
1753	494861.06	3859001.99	0.23335	6.88E-03	7.02E-03	7.01E-03
1754	494911.06	3859001.99	0.23151	6.82E-03	6.96E-03	6.95E-03
1755	494961.06	3859001.99	0.22874	6.74E-03	6.88E-03	6.87E-03
1756	495011.06	3859001.99	0.22209	6.54E-03	6.68E-03	6.67E-03
1757	495061.06	3859001.99	0.22018	6.49E-03	6.62E-03	6.61E-03
1758	495111.06	3859001.99	0.21658	6.38E-03	6.51E-03	6.50E-03
1759	495161.06	3859001.99	0.22144	6.53E-03	6.66E-03	6.65E-03
1760	495211.06	3859001.99	0.2238	6.59E-03	6.73E-03	6.72E-03

1761	495261.06	3859001.99	0.22676	6.68E-03	6.82E-03	6.81E-03
1762	495311.06	3859001.99	0.2281	6.72E-03	6.86E-03	6.85E-03
1763	495361.06	3859001.99	0.22843	6.73E-03	6.87E-03	6.86E-03
1764	495411.06	3859001.99	0.22766	6.71E-03	6.85E-03	6.84E-03
1765	495461.06	3859001.99	0.22586	6.66E-03	6.79E-03	6.78E-03
1766	495511.06	3859001.99	0.22098	6.51E-03	6.64E-03	6.64E-03
1767	495561.06	3859001.99	0.2172	6.40E-03	6.53E-03	6.52E-03
1768	495611.06	3859001.99	0.21854	6.44E-03	6.57E-03	6.56E-03
1769	495661.06	3859001.99	0.2266	6.68E-03	6.81E-03	6.81E-03
1770	494311.06	3859051.99	0.25749	7.59E-03	7.74E-03	7.73E-03
1771	494361.06	3859051.99	0.25645	7.56E-03	7.71E-03	7.70E-03
1772	494411.06	3859051.99	0.25388	7.48E-03	7.63E-03	7.62E-03
1773	494461.06	3859051.99	0.25572	7.54E-03	7.69E-03	7.68E-03
1774	494511.06	3859051.99	0.25246	7.44E-03	7.59E-03	7.58E-03
1775	494561.06	3859051.99	0.24803	7.31E-03	7.46E-03	7.45E-03
1776	494611.06	3859051.99	0.24172	7.12E-03	7.27E-03	7.26E-03
1777	494661.06	3859051.99	0.23869	7.03E-03	7.18E-03	7.17E-03
1778	494711.06	3859051.99	0.23789	7.01E-03	7.15E-03	7.14E-03
1779	494761.06	3859051.99	0.23661	6.97E-03	7.11E-03	7.11E-03
1780	494811.06	3859051.99	0.23588	6.95E-03	7.09E-03	7.08E-03
1781	494861.06	3859051.99	0.23477	6.92E-03	7.06E-03	7.05E-03
1782	494911.06	3859051.99	0.23261	6.85E-03	6.99E-03	6.99E-03
1783	494961.06	3859051.99	0.22874	6.74E-03	6.88E-03	6.87E-03
1784	495011.06	3859051.99	0.22568	6.65E-03	6.79E-03	6.78E-03
1785	495061.06	3859051.99	0.22337	6.58E-03	6.72E-03	6.71E-03
1786	495111.06	3859051.99	0.22176	6.53E-03	6.67E-03	6.66E-03
1787	495161.06	3859051.99	0.22246	6.56E-03	6.69E-03	6.68E-03
1788	495211.06	3859051.99	0.22405	6.60E-03	6.74E-03	6.73E-03
1789	495261.06	3859051.99	0.22839	6.73E-03	6.87E-03	6.86E-03
1790	495311.06	3859051.99	0.23012	6.78E-03	6.92E-03	6.91E-03
1791	495361.06	3859051.99	0.23242	6.85E-03	6.99E-03	6.98E-03
1792	495411.06	3859051.99	0.23498	6.92E-03	7.07E-03	7.06E-03
1793	495461.06	3859051.99	0.23576	6.95E-03	7.09E-03	7.08E-03
1794	495511.06	3859051.99	0.23339	6.88E-03	7.02E-03	7.01E-03
1795	495561.06	3859051.99	0.22954	6.76E-03	6.90E-03	6.89E-03
1796	495611.06	3859051.99	0.22567	6.65E-03	6.79E-03	6.78E-03
1797	495661.06	3859051.99	0.22463	6.62E-03	6.75E-03	6.75E-03
1798	494311.06	3859101.99	0.27302	8.04E-03	8.21E-03	8.20E-03
1799	494361.06	3859101.99	0.26943	7.94E-03	8.10E-03	8.09E-03
1800	494411.06	3859101.99	0.26207	7.72E-03	7.88E-03	7.87E-03
1801	494461.06	3859101.99	0.2558	7.54E-03	7.69E-03	7.68E-03
1802	494511.06	3859101.99	0.2568	7.57E-03	7.72E-03	7.71E-03
1803	494561.06	3859101.99	0.25826	7.61E-03	7.77E-03	7.76E-03
1804	494611.06	3859101.99	0.25171	7.42E-03	7.57E-03	7.56E-03
1805	494661.06	3859101.99	0.248	7.31E-03	7.46E-03	7.45E-03
1806	494711.06	3859101.99	0.24069	7.09E-03	7.24E-03	7.23E-03
1807	494761.06	3859101.99	0.23927	7.05E-03	7.19E-03	7.19E-03
1808	494811.06	3859101.99	0.23608	6.96E-03	7.10E-03	7.09E-03
1809	494861.06	3859101.99	0.23518	6.93E-03	7.07E-03	7.06E-03
1810	494911.06	3859101.99	0.23466	6.91E-03	7.06E-03	7.05E-03
1811	494961.06	3859101.99	0.23178	6.83E-03	6.97E-03	6.96E-03
1812	495011.06	3859101.99	0.22632	6.67E-03	6.80E-03	6.80E-03
1813	495061.06	3859101.99	0.22652	6.67E-03	6.81E-03	6.80E-03
1814	495111.06	3859101.99	0.22408	6.60E-03	6.74E-03	6.73E-03
1815	495161.06	3859101.99	0.22459	6.62E-03	6.75E-03	6.75E-03
1816	495211.06	3859101.99	0.22369	6.59E-03	6.73E-03	6.72E-03
1817	495261.06	3859101.99	0.22787	6.71E-03	6.85E-03	6.84E-03
1818	495311.06	3859101.99	0.23019	6.78E-03	6.92E-03	6.91E-03
1819	495361.06	3859101.99	0.23465	6.91E-03	7.06E-03	7.05E-03
1820	495411.06	3859101.99	0.23732	6.99E-03	7.14E-03	7.13E-03
1821	495461.06	3859101.99	0.23709	6.99E-03	7.13E-03	7.12E-03
1822	495511.06	3859101.99	0.23854	7.03E-03	7.17E-03	7.16E-03
1823	495561.06	3859101.99	0.23997	7.07E-03	7.22E-03	7.21E-03

1824	495611.06	3859101.99	0.23741	7.00E-03	7.14E-03	7.13E-03
1825	495661.06	3859101.99	0.23577	6.95E-03	7.09E-03	7.08E-03
1826	494311.06	3859151.99	0.27661	8.15E-03	8.32E-03	8.31E-03
1827	494361.06	3859151.99	0.27652	8.15E-03	8.31E-03	8.30E-03
1828	494411.06	3859151.99	0.27555	8.12E-03	8.29E-03	8.28E-03
1829	494461.06	3859151.99	0.26986	7.95E-03	8.11E-03	8.10E-03
1830	494511.06	3859151.99	0.25892	7.63E-03	7.79E-03	7.78E-03
1831	494561.06	3859151.99	0.25738	7.58E-03	7.74E-03	7.73E-03
1832	494611.06	3859151.99	0.25789	7.60E-03	7.75E-03	7.75E-03
1833	494661.06	3859151.99	0.2572	7.58E-03	7.73E-03	7.72E-03
1834	494711.06	3859151.99	0.25177	7.42E-03	7.57E-03	7.56E-03
1835	494761.06	3859151.99	0.2474	7.29E-03	7.44E-03	7.43E-03
1836	494811.06	3859151.99	0.24156	7.12E-03	7.26E-03	7.25E-03
1837	494861.06	3859151.99	0.24087	7.10E-03	7.24E-03	7.23E-03
1838	494911.06	3859151.99	0.23403	6.90E-03	7.04E-03	7.03E-03
1839	494961.06	3859151.99	0.23052	6.79E-03	6.93E-03	6.92E-03
1840	495011.06	3859151.99	0.22979	6.77E-03	6.91E-03	6.90E-03
1841	495061.06	3859151.99	0.23137	6.82E-03	6.96E-03	6.95E-03
1842	495111.06	3859151.99	0.23022	6.78E-03	6.92E-03	6.91E-03
1843	495161.06	3859151.99	0.23107	6.81E-03	6.95E-03	6.94E-03
1844	495211.06	3859151.99	0.22842	6.73E-03	6.87E-03	6.86E-03
1845	495261.06	3859151.99	0.22705	6.69E-03	6.83E-03	6.82E-03
1846	495311.06	3859151.99	0.23065	6.80E-03	6.94E-03	6.93E-03
1847	495361.06	3859151.99	0.23378	6.89E-03	7.03E-03	7.02E-03
1848	495411.06	3859151.99	0.23849	7.03E-03	7.17E-03	7.16E-03
1849	495461.06	3859151.99	0.24113	7.11E-03	7.25E-03	7.24E-03
1850	495511.06	3859151.99	0.2418	7.12E-03	7.27E-03	7.26E-03
1851	495561.06	3859151.99	0.24281	7.15E-03	7.30E-03	7.29E-03
1852	495611.06	3859151.99	0.24371	7.18E-03	7.33E-03	7.32E-03
1853	495661.06	3859151.99	0.24446	7.20E-03	7.35E-03	7.34E-03
1854	494311.06	3859201.99	0.27662	8.15E-03	8.32E-03	8.31E-03
1855	494361.06	3859201.99	0.27993	8.25E-03	8.42E-03	8.41E-03
1856	494411.06	3859201.99	0.27689	8.16E-03	8.33E-03	8.32E-03
1857	494461.06	3859201.99	0.27675	8.15E-03	8.32E-03	8.31E-03
1858	494511.06	3859201.99	0.27598	8.13E-03	8.30E-03	8.29E-03
1859	494561.06	3859201.99	0.26622	7.84E-03	8.00E-03	8.00E-03
1860	494611.06	3859201.99	0.25693	7.57E-03	7.73E-03	7.72E-03
1861	494661.06	3859201.99	0.25877	7.63E-03	7.78E-03	7.77E-03
1862	494711.06	3859201.99	0.26035	7.67E-03	7.83E-03	7.82E-03
1863	494761.06	3859201.99	0.25422	7.49E-03	7.64E-03	7.63E-03
1864	494811.06	3859201.99	0.24754	7.29E-03	7.44E-03	7.43E-03
1865	494861.06	3859201.99	0.24249	7.15E-03	7.29E-03	7.28E-03
1866	494911.06	3859201.99	0.23961	7.06E-03	7.20E-03	7.20E-03
1867	494961.06	3859201.99	0.23669	6.97E-03	7.12E-03	7.11E-03
1868	495011.06	3859201.99	0.22686	6.68E-03	6.82E-03	6.81E-03
1869	495061.06	3859201.99	0.23434	6.91E-03	7.05E-03	7.04E-03
1870	495111.06	3859201.99	0.23648	6.97E-03	7.11E-03	7.10E-03
1871	495161.06	3859201.99	0.23612	6.96E-03	7.10E-03	7.09E-03
1872	495211.06	3859201.99	0.23398	6.89E-03	7.04E-03	7.03E-03
1873	495261.06	3859201.99	0.23357	6.88E-03	7.02E-03	7.01E-03
1874	495311.06	3859201.99	0.23175	6.83E-03	6.97E-03	6.96E-03
1875	495361.06	3859201.99	0.2334	6.88E-03	7.02E-03	7.01E-03
1876	495411.06	3859201.99	0.23809	7.02E-03	7.16E-03	7.15E-03
1877	495461.06	3859201.99	0.24077	7.09E-03	7.24E-03	7.23E-03
1878	495511.06	3859201.99	0.24321	7.17E-03	7.31E-03	7.30E-03
1879	495561.06	3859201.99	0.24393	7.19E-03	7.33E-03	7.33E-03
1880	495611.06	3859201.99	0.24509	7.22E-03	7.37E-03	7.36E-03
1881	495661.06	3859201.99	0.24654	7.26E-03	7.41E-03	7.40E-03
1882	494311.06	3859251.99	0.28462	8.39E-03	8.56E-03	8.55E-03
1883	494361.06	3859251.99	0.28144	8.29E-03	8.46E-03	8.45E-03
1884	494411.06	3859251.99	0.27673	8.15E-03	8.32E-03	8.31E-03
1885	494461.06	3859251.99	0.27679	8.16E-03	8.32E-03	8.31E-03
1886	494511.06	3859251.99	0.2765	8.15E-03	8.31E-03	8.30E-03

1887	494561.06	3859251.99	0.27612	8.14E-03	8.30E-03	8.29E-03
1888	494611.06	3859251.99	0.27135	8.00E-03	8.16E-03	8.15E-03
1889	494661.06	3859251.99	0.26332	7.76E-03	7.92E-03	7.91E-03
1890	494711.06	3859251.99	0.25884	7.63E-03	7.78E-03	7.77E-03
1891	494761.06	3859251.99	0.25539	7.53E-03	7.68E-03	7.67E-03
1892	494811.06	3859251.99	0.25764	7.59E-03	7.75E-03	7.74E-03
1893	494861.06	3859251.99	0.2476	7.30E-03	7.44E-03	7.44E-03
1894	494911.06	3859251.99	0.24113	7.11E-03	7.25E-03	7.24E-03
1895	494961.06	3859251.99	0.23933	7.05E-03	7.20E-03	7.19E-03
1896	495011.06	3859251.99	0.23743	7.00E-03	7.14E-03	7.13E-03
1897	495061.06	3859251.99	0.23914	7.05E-03	7.19E-03	7.18E-03
1898	495111.06	3859251.99	0.23931	7.05E-03	7.20E-03	7.19E-03
1899	495161.06	3859251.99	0.23951	7.06E-03	7.20E-03	7.19E-03
1900	495211.06	3859251.99	0.2386	7.03E-03	7.17E-03	7.17E-03
1901	495261.06	3859251.99	0.23642	6.97E-03	7.11E-03	7.10E-03
1902	495311.06	3859251.99	0.23686	6.98E-03	7.12E-03	7.11E-03
1903	495361.06	3859251.99	0.23716	6.99E-03	7.13E-03	7.12E-03
1904	495411.06	3859251.99	0.23711	6.99E-03	7.13E-03	7.12E-03
1905	495461.06	3859251.99	0.24019	7.08E-03	7.22E-03	7.21E-03
1906	495511.06	3859251.99	0.24161	7.12E-03	7.26E-03	7.26E-03
1907	495561.06	3859251.99	0.24389	7.19E-03	7.33E-03	7.32E-03
1908	495611.06	3859251.99	0.24513	7.22E-03	7.37E-03	7.36E-03
1909	495661.06	3859251.99	0.24685	7.27E-03	7.42E-03	7.41E-03
1910	494311.06	3859301.99	0.28735	8.47E-03	8.64E-03	8.63E-03
1911	494361.06	3859301.99	0.28615	8.43E-03	8.60E-03	8.59E-03
1912	494411.06	3859301.99	0.28374	8.36E-03	8.53E-03	8.52E-03
1913	494461.06	3859301.99	0.27824	8.20E-03	8.37E-03	8.36E-03
1914	494511.06	3859301.99	0.2756	8.12E-03	8.29E-03	8.28E-03
1915	494561.06	3859301.99	0.27536	8.11E-03	8.28E-03	8.27E-03
1916	494611.06	3859301.99	0.27572	8.12E-03	8.29E-03	8.28E-03
1917	494661.06	3859301.99	0.27442	8.09E-03	8.25E-03	8.24E-03
1918	494711.06	3859301.99	0.26733	7.88E-03	8.04E-03	8.03E-03
1919	494761.06	3859301.99	0.25754	7.59E-03	7.74E-03	7.73E-03
1920	494811.06	3859301.99	0.25628	7.55E-03	7.71E-03	7.70E-03
1921	494861.06	3859301.99	0.25411	7.49E-03	7.64E-03	7.63E-03
1922	494911.06	3859301.99	0.25307	7.46E-03	7.61E-03	7.60E-03
1923	494961.06	3859301.99	0.24373	7.18E-03	7.33E-03	7.32E-03
1924	495011.06	3859301.99	0.23834	7.02E-03	7.17E-03	7.16E-03
1925	495061.06	3859301.99	0.24076	7.09E-03	7.24E-03	7.23E-03
1926	495111.06	3859301.99	0.2378	7.01E-03	7.15E-03	7.14E-03
1927	495161.06	3859301.99	0.24115	7.11E-03	7.25E-03	7.24E-03
1928	495211.06	3859301.99	0.24356	7.18E-03	7.32E-03	7.31E-03
1929	495261.06	3859301.99	0.24144	7.11E-03	7.26E-03	7.25E-03
1930	495311.06	3859301.99	0.24016	7.08E-03	7.22E-03	7.21E-03
1931	495361.06	3859301.99	0.23966	7.06E-03	7.21E-03	7.20E-03
1932	495411.06	3859301.99	0.23852	7.03E-03	7.17E-03	7.16E-03
1933	495461.06	3859301.99	0.24003	7.07E-03	7.22E-03	7.21E-03
1934	495511.06	3859301.99	0.2409	7.10E-03	7.24E-03	7.23E-03
1935	495561.06	3859301.99	0.24167	7.12E-03	7.27E-03	7.26E-03
1936	495611.06	3859301.99	0.24408	7.19E-03	7.34E-03	7.33E-03
1937	495661.06	3859301.99	0.24621	7.25E-03	7.40E-03	7.39E-03
1938	494311.06	3859351.99	0.30046	8.85E-03	9.03E-03	9.02E-03
1939	494361.06	3859351.99	0.29317	8.64E-03	8.82E-03	8.80E-03
1940	494411.06	3859351.99	0.28475	8.39E-03	8.56E-03	8.55E-03
1941	494461.06	3859351.99	0.28277	8.33E-03	8.50E-03	8.49E-03
1942	494511.06	3859351.99	0.28117	8.29E-03	8.45E-03	8.44E-03
1943	494561.06	3859351.99	0.27431	8.08E-03	8.25E-03	8.24E-03
1944	494611.06	3859351.99	0.27394	8.07E-03	8.24E-03	8.23E-03
1945	494661.06	3859351.99	0.27384	8.07E-03	8.23E-03	8.22E-03
1946	494711.06	3859351.99	0.27308	8.05E-03	8.21E-03	8.20E-03
1947	494761.06	3859351.99	0.26552	7.82E-03	7.98E-03	7.97E-03
1948	494811.06	3859351.99	0.25417	7.49E-03	7.64E-03	7.63E-03
1949	494861.06	3859351.99	0.25205	7.43E-03	7.58E-03	7.57E-03

1950	494911.06	3859351.99	0.25327	7.46E-03	7.62E-03	7.61E-03
1951	494961.06	3859351.99	0.25402	7.49E-03	7.64E-03	7.63E-03
1952	495011.06	3859351.99	0.2545	7.50E-03	7.65E-03	7.64E-03
1953	495061.06	3859351.99	0.25256	7.44E-03	7.59E-03	7.59E-03
1954	495111.06	3859351.99	0.24705	7.28E-03	7.43E-03	7.42E-03
1955	495161.06	3859351.99	0.24427	7.20E-03	7.34E-03	7.34E-03
1956	495211.06	3859351.99	0.24562	7.24E-03	7.39E-03	7.38E-03
1957	495261.06	3859351.99	0.24803	7.31E-03	7.46E-03	7.45E-03
1958	495311.06	3859351.99	0.24731	7.29E-03	7.44E-03	7.43E-03
1959	495361.06	3859351.99	0.24278	7.15E-03	7.30E-03	7.29E-03
1960	495411.06	3859351.99	0.2419	7.13E-03	7.27E-03	7.26E-03
1961	495461.06	3859351.99	0.24116	7.11E-03	7.25E-03	7.24E-03
1962	495511.06	3859351.99	0.23978	7.07E-03	7.21E-03	7.20E-03
1963	495561.06	3859351.99	0.24113	7.11E-03	7.25E-03	7.24E-03
1964	495611.06	3859351.99	0.24375	7.18E-03	7.33E-03	7.32E-03
1965	495661.06	3859351.99	0.24486	7.22E-03	7.36E-03	7.35E-03
1966	494311.06	3859401.99	0.31572	9.30E-03	9.49E-03	9.48E-03
1967	494361.06	3859401.99	0.30718	9.05E-03	9.24E-03	9.23E-03
1968	494411.06	3859401.99	0.29711	8.75E-03	8.93E-03	8.92E-03
1969	494461.06	3859401.99	0.28905	8.52E-03	8.69E-03	8.68E-03
1970	494511.06	3859401.99	0.28551	8.41E-03	8.58E-03	8.57E-03
1971	494561.06	3859401.99	0.28356	8.36E-03	8.53E-03	8.52E-03
1972	494611.06	3859401.99	0.27518	8.11E-03	8.27E-03	8.26E-03
1973	494661.06	3859401.99	0.27346	8.06E-03	8.22E-03	8.21E-03
1974	494711.06	3859401.99	0.27278	8.04E-03	8.20E-03	8.19E-03
1975	494761.06	3859401.99	0.26941	7.94E-03	8.10E-03	8.09E-03
1976	494811.06	3859401.99	0.2706	7.97E-03	8.14E-03	8.13E-03
1977	494861.06	3859401.99	0.2594	7.64E-03	7.80E-03	7.79E-03
1978	494911.06	3859401.99	0.2543	7.49E-03	7.65E-03	7.64E-03
1979	494961.06	3859401.99	0.25459	7.50E-03	7.66E-03	7.65E-03
1980	495011.06	3859401.99	0.25485	7.51E-03	7.66E-03	7.65E-03
1981	495061.06	3859401.99	0.25617	7.55E-03	7.70E-03	7.69E-03
1982	495111.06	3859401.99	0.25562	7.53E-03	7.69E-03	7.68E-03
1983	495161.06	3859401.99	0.25366	7.47E-03	7.63E-03	7.62E-03
1984	495211.06	3859401.99	0.25089	7.39E-03	7.54E-03	7.53E-03
1985	495261.06	3859401.99	0.24913	7.34E-03	7.49E-03	7.48E-03
1986	495311.06	3859401.99	0.24871	7.33E-03	7.48E-03	7.47E-03
1987	495361.06	3859401.99	0.2509	7.39E-03	7.54E-03	7.54E-03
1988	495411.06	3859401.99	0.25063	7.39E-03	7.54E-03	7.53E-03
1989	495461.06	3859401.99	0.24722	7.28E-03	7.43E-03	7.42E-03
1990	495511.06	3859401.99	0.2425	7.15E-03	7.29E-03	7.28E-03
1991	495561.06	3859401.99	0.24054	7.09E-03	7.23E-03	7.22E-03
1992	495611.06	3859401.99	0.24034	7.08E-03	7.23E-03	7.22E-03
1993	495661.06	3859401.99	0.24157	7.12E-03	7.26E-03	7.25E-03
1994	494311.06	3859451.99	0.3211	9.46E-03	9.65E-03	9.64E-03
1995	494361.06	3859451.99	0.31474	9.27E-03	9.46E-03	9.45E-03
1996	494411.06	3859451.99	0.30627	9.02E-03	9.21E-03	9.20E-03
1997	494461.06	3859451.99	0.3007	8.86E-03	9.04E-03	9.03E-03
1998	494511.06	3859451.99	0.29382	8.66E-03	8.83E-03	8.82E-03
1999	494561.06	3859451.99	0.28714	8.46E-03	8.63E-03	8.62E-03
2000	494611.06	3859451.99	0.28257	8.33E-03	8.50E-03	8.49E-03
2001	494661.06	3859451.99	0.27835	8.20E-03	8.37E-03	8.36E-03
2002	494711.06	3859451.99	0.27466	8.09E-03	8.26E-03	8.25E-03
2003	494761.06	3859451.99	0.2727	8.04E-03	8.20E-03	8.19E-03
2004	494811.06	3859451.99	0.27126	7.99E-03	8.16E-03	8.15E-03
2005	494861.06	3859451.99	0.27118	7.99E-03	8.15E-03	8.14E-03
2006	494911.06	3859451.99	0.26351	7.76E-03	7.92E-03	7.91E-03
2007	494961.06	3859451.99	0.26213	7.72E-03	7.88E-03	7.87E-03
2008	495011.06	3859451.99	0.25996	7.66E-03	7.82E-03	7.81E-03
2009	495061.06	3859451.99	0.25905	7.63E-03	7.79E-03	7.78E-03
2010	495111.06	3859451.99	0.25836	7.61E-03	7.77E-03	7.76E-03
2011	495161.06	3859451.99	0.25949	7.65E-03	7.80E-03	7.79E-03
2012	495211.06	3859451.99	0.25865	7.62E-03	7.78E-03	7.77E-03

2013	495261.06	3859451.99	0.25671	7.56E-03	7.72E-03	7.71E-03
2014	495311.06	3859451.99	0.25496	7.51E-03	7.67E-03	7.66E-03
2015	495361.06	3859451.99	0.25316	7.46E-03	7.61E-03	7.60E-03
2016	495411.06	3859451.99	0.25071	7.39E-03	7.54E-03	7.53E-03
2017	495461.06	3859451.99	0.25131	7.41E-03	7.56E-03	7.55E-03
2018	495511.06	3859451.99	0.25012	7.37E-03	7.52E-03	7.51E-03
2019	495561.06	3859451.99	0.24554	7.24E-03	7.38E-03	7.37E-03
2020	495611.06	3859451.99	0.24277	7.15E-03	7.30E-03	7.29E-03
2021	495661.06	3859451.99	0.24131	7.11E-03	7.26E-03	7.25E-03
2022	494311.06	3859501.99	0.32577	9.60E-03	9.80E-03	9.78E-03
2023	494361.06	3859501.99	0.32075	9.45E-03	9.64E-03	9.63E-03
2024	494411.06	3859501.99	0.31236	9.20E-03	9.39E-03	9.38E-03
2025	494461.06	3859501.99	0.31042	9.15E-03	9.33E-03	9.32E-03
2026	494511.06	3859501.99	0.30119	8.87E-03	9.06E-03	9.05E-03
2027	494561.06	3859501.99	0.29384	8.66E-03	8.84E-03	8.82E-03
2028	494611.06	3859501.99	0.29653	8.74E-03	8.92E-03	8.91E-03
2029	494661.06	3859501.99	0.28806	8.49E-03	8.66E-03	8.65E-03
2030	494711.06	3859501.99	0.28242	8.32E-03	8.49E-03	8.48E-03
2031	494761.06	3859501.99	0.2781	8.19E-03	8.36E-03	8.35E-03
2032	494811.06	3859501.99	0.27253	8.03E-03	8.19E-03	8.18E-03
2033	494861.06	3859501.99	0.27167	8.01E-03	8.17E-03	8.16E-03
2034	494911.06	3859501.99	0.2716	8.00E-03	8.17E-03	8.16E-03
2035	494961.06	3859501.99	0.26698	7.87E-03	8.03E-03	8.02E-03
2036	495011.06	3859501.99	0.26602	7.84E-03	8.00E-03	7.99E-03
2037	495061.06	3859501.99	0.26478	7.80E-03	7.96E-03	7.95E-03
2038	495111.06	3859501.99	0.26125	7.70E-03	7.86E-03	7.85E-03
2039	495161.06	3859501.99	0.26101	7.69E-03	7.85E-03	7.84E-03
2040	495211.06	3859501.99	0.26108	7.69E-03	7.85E-03	7.84E-03
2041	495261.06	3859501.99	0.26034	7.67E-03	7.83E-03	7.82E-03
2042	495311.06	3859501.99	0.25946	7.65E-03	7.80E-03	7.79E-03
2043	495361.06	3859501.99	0.2579	7.60E-03	7.75E-03	7.75E-03
2044	495411.06	3859501.99	0.25618	7.55E-03	7.70E-03	7.69E-03
2045	495461.06	3859501.99	0.25373	7.48E-03	7.63E-03	7.62E-03
2046	495511.06	3859501.99	0.24945	7.35E-03	7.50E-03	7.49E-03
2047	495561.06	3859501.99	0.24782	7.30E-03	7.45E-03	7.44E-03
2048	495611.06	3859501.99	0.24842	7.32E-03	7.47E-03	7.46E-03
2049	495661.06	3859501.99	0.24466	7.21E-03	7.36E-03	7.35E-03
2050	494311.06	3859551.99	0.33851	9.97E-03	1.02E-02	1.02E-02
2051	494361.06	3859551.99	0.319	9.40E-03	9.59E-03	9.58E-03
2052	494411.06	3859551.99	0.31017	9.14E-03	9.33E-03	9.32E-03
2053	494461.06	3859551.99	0.31518	9.29E-03	9.48E-03	9.47E-03
2054	494511.06	3859551.99	0.31165	9.18E-03	9.37E-03	9.36E-03
2055	494561.06	3859551.99	0.30543	9.00E-03	9.18E-03	9.17E-03
2056	494611.06	3859551.99	0.30011	8.84E-03	9.02E-03	9.01E-03
2057	494661.06	3859551.99	0.29998	8.84E-03	9.02E-03	9.01E-03
2058	494711.06	3859551.99	0.28943	8.53E-03	8.70E-03	8.69E-03
2059	494761.06	3859551.99	0.28754	8.47E-03	8.65E-03	8.64E-03
2060	494811.06	3859551.99	0.28136	8.29E-03	8.46E-03	8.45E-03
2061	494861.06	3859551.99	0.27676	8.16E-03	8.32E-03	8.31E-03
2062	494911.06	3859551.99	0.27363	8.06E-03	8.23E-03	8.22E-03
2063	494961.06	3859551.99	0.27242	8.03E-03	8.19E-03	8.18E-03
2064	495011.06	3859551.99	0.2725	8.03E-03	8.19E-03	8.18E-03
2065	495061.06	3859551.99	0.27069	7.98E-03	8.14E-03	8.13E-03
2066	495111.06	3859551.99	0.26779	7.89E-03	8.05E-03	8.04E-03
2067	495161.06	3859551.99	0.26682	7.86E-03	8.02E-03	8.01E-03
2068	495211.06	3859551.99	0.26597	7.84E-03	8.00E-03	7.99E-03
2069	495261.06	3859551.99	0.26263	7.74E-03	7.90E-03	7.89E-03
2070	495311.06	3859551.99	0.26155	7.71E-03	7.86E-03	7.86E-03
2071	495361.06	3859551.99	0.26097	7.69E-03	7.85E-03	7.84E-03
2072	495411.06	3859551.99	0.25944	7.64E-03	7.80E-03	7.79E-03
2073	495461.06	3859551.99	0.25687	7.57E-03	7.72E-03	7.71E-03
2074	495511.06	3859551.99	0.25396	7.48E-03	7.64E-03	7.63E-03
2075	495561.06	3859551.99	0.25168	7.42E-03	7.57E-03	7.56E-03

2076	495611.06	3859551.99	0.24887	7.33E-03	7.48E-03	7.47E-03
2077	495661.06	3859551.99	0.24574	7.24E-03	7.39E-03	7.38E-03
2078	494311.06	3859601.99	0.3491	1.03E-02	1.05E-02	1.05E-02
2079	494361.06	3859601.99	0.3251	9.58E-03	9.78E-03	9.76E-03
2080	494411.06	3859601.99	0.31809	9.37E-03	9.56E-03	9.55E-03
2081	494461.06	3859601.99	0.31943	9.41E-03	9.60E-03	9.59E-03
2082	494511.06	3859601.99	0.30938	9.12E-03	9.30E-03	9.29E-03
2083	494561.06	3859601.99	0.31226	9.20E-03	9.39E-03	9.38E-03
2084	494611.06	3859601.99	0.31133	9.17E-03	9.36E-03	9.35E-03
2085	494661.06	3859601.99	0.30009	8.84E-03	9.02E-03	9.01E-03
2086	494711.06	3859601.99	0.29797	8.78E-03	8.96E-03	8.95E-03
2087	494761.06	3859601.99	0.29985	8.84E-03	9.02E-03	9.01E-03
2088	494811.06	3859601.99	0.29293	8.63E-03	8.81E-03	8.80E-03
2089	494861.06	3859601.99	0.28587	8.42E-03	8.60E-03	8.59E-03
2090	494911.06	3859601.99	0.27965	8.24E-03	8.41E-03	8.40E-03
2091	494961.06	3859601.99	0.27797	8.19E-03	8.36E-03	8.35E-03
2092	495011.06	3859601.99	0.27444	8.09E-03	8.25E-03	8.24E-03
2093	495061.06	3859601.99	0.27558	8.12E-03	8.29E-03	8.28E-03
2094	495111.06	3859601.99	0.27284	8.04E-03	8.20E-03	8.19E-03
2095	495161.06	3859601.99	0.27257	8.03E-03	8.20E-03	8.19E-03
2096	495211.06	3859601.99	0.27103	7.99E-03	8.15E-03	8.14E-03
2097	495261.06	3859601.99	0.26955	7.94E-03	8.10E-03	8.10E-03
2098	495311.06	3859601.99	0.26788	7.89E-03	8.05E-03	8.05E-03
2099	495361.06	3859601.99	0.26481	7.80E-03	7.96E-03	7.95E-03
2100	495411.06	3859601.99	0.26321	7.76E-03	7.91E-03	7.90E-03
2101	495461.06	3859601.99	0.26108	7.69E-03	7.85E-03	7.84E-03
2102	495511.06	3859601.99	0.25707	7.57E-03	7.73E-03	7.72E-03
2103	495561.06	3859601.99	0.25474	7.51E-03	7.66E-03	7.65E-03
2104	495611.06	3859601.99	0.25133	7.41E-03	7.56E-03	7.55E-03
2105	495661.06	3859601.99	0.25039	7.38E-03	7.53E-03	7.52E-03
2106	494311.06	3859651.99	0.36065	1.06E-02	1.08E-02	1.08E-02
2107	494361.06	3859651.99	0.33639	9.91E-03	1.01E-02	1.01E-02
2108	494411.06	3859651.99	0.33131	9.76E-03	9.96E-03	9.95E-03
2109	494461.06	3859651.99	0.33658	9.92E-03	1.01E-02	1.01E-02
2110	494511.06	3859651.99	0.32752	9.65E-03	9.85E-03	9.84E-03
2111	494561.06	3859651.99	0.3225	9.50E-03	9.70E-03	9.69E-03
2112	494611.06	3859651.99	0.31787	9.37E-03	9.56E-03	9.55E-03
2113	494661.06	3859651.99	0.30261	8.92E-03	9.10E-03	9.09E-03
2114	494711.06	3859651.99	0.30174	8.89E-03	9.07E-03	9.06E-03
2115	494761.06	3859651.99	0.30317	8.93E-03	9.12E-03	9.10E-03
2116	494811.06	3859651.99	0.29634	8.73E-03	8.91E-03	8.90E-03
2117	494861.06	3859651.99	0.29359	8.65E-03	8.83E-03	8.82E-03
2118	494911.06	3859651.99	0.28929	8.52E-03	8.70E-03	8.69E-03
2119	494961.06	3859651.99	0.28601	8.43E-03	8.60E-03	8.59E-03
2120	495011.06	3859651.99	0.28114	8.28E-03	8.45E-03	8.44E-03
2121	495061.06	3859651.99	0.28001	8.25E-03	8.42E-03	8.41E-03
2122	495111.06	3859651.99	0.27739	8.17E-03	8.34E-03	8.33E-03
2123	495161.06	3859651.99	0.27675	8.15E-03	8.32E-03	8.31E-03
2124	495211.06	3859651.99	0.27594	8.13E-03	8.30E-03	8.29E-03
2125	495261.06	3859651.99	0.27473	8.10E-03	8.26E-03	8.25E-03
2126	495311.06	3859651.99	0.27298	8.04E-03	8.21E-03	8.20E-03
2127	495361.06	3859651.99	0.27112	7.99E-03	8.15E-03	8.14E-03
2128	495411.06	3859651.99	0.26821	7.90E-03	8.06E-03	8.06E-03
2129	495461.06	3859651.99	0.26309	7.75E-03	7.91E-03	7.90E-03
2130	495511.06	3859651.99	0.26328	7.76E-03	7.92E-03	7.91E-03
2131	495561.06	3859651.99	0.26018	7.67E-03	7.82E-03	7.81E-03
2132	495611.06	3859651.99	0.25652	7.56E-03	7.71E-03	7.70E-03
2133	495661.06	3859651.99	0.25454	7.50E-03	7.65E-03	7.64E-03
2134	494311.06	3859701.99	0.34913	1.03E-02	1.05E-02	1.05E-02
2135	494361.06	3859701.99	0.34242	1.01E-02	1.03E-02	1.03E-02
2136	494411.06	3859701.99	0.34072	1.00E-02	1.02E-02	1.02E-02
2137	494461.06	3859701.99	0.3503	1.03E-02	1.05E-02	1.05E-02
2138	494511.06	3859701.99	0.3428	1.01E-02	1.03E-02	1.03E-02

2139	494561.06	3859701.99	0.34151	1.01E-02	1.03E-02	1.03E-02
2140	494611.06	3859701.99	0.33664	9.92E-03	1.01E-02	1.01E-02
2141	494661.06	3859701.99	0.31244	9.21E-03	9.39E-03	9.38E-03
2142	494711.06	3859701.99	0.31205	9.19E-03	9.38E-03	9.37E-03
2143	494761.06	3859701.99	0.30546	9.00E-03	9.18E-03	9.17E-03
2144	494811.06	3859701.99	0.30392	8.96E-03	9.14E-03	9.13E-03
2145	494861.06	3859701.99	0.30582	9.01E-03	9.20E-03	9.18E-03
2146	494911.06	3859701.99	0.30409	8.96E-03	9.14E-03	9.13E-03
2147	494961.06	3859701.99	0.29802	8.78E-03	8.96E-03	8.95E-03
2148	495011.06	3859701.99	0.2955	8.71E-03	8.89E-03	8.87E-03
2149	495061.06	3859701.99	0.29159	8.59E-03	8.77E-03	8.76E-03
2150	495111.06	3859701.99	0.2861	8.43E-03	8.60E-03	8.59E-03
2151	495161.06	3859701.99	0.28105	8.28E-03	8.45E-03	8.44E-03
2152	495211.06	3859701.99	0.27772	8.18E-03	8.35E-03	8.34E-03
2153	495261.06	3859701.99	0.27708	8.16E-03	8.33E-03	8.32E-03
2154	495311.06	3859701.99	0.27474	8.10E-03	8.26E-03	8.25E-03
2155	495361.06	3859701.99	0.27335	8.05E-03	8.22E-03	8.21E-03
2156	495411.06	3859701.99	0.27068	7.98E-03	8.14E-03	8.13E-03
2157	495461.06	3859701.99	0.26763	7.89E-03	8.05E-03	8.04E-03
2158	495511.06	3859701.99	0.26358	7.77E-03	7.93E-03	7.92E-03
2159	495561.06	3859701.99	0.26509	7.81E-03	7.97E-03	7.96E-03
2160	495611.06	3859701.99	0.2627	7.74E-03	7.90E-03	7.89E-03
2161	495661.06	3859701.99	0.2615	7.71E-03	7.86E-03	7.85E-03
2162	494311.06	3859751.99	0.38025	1.12E-02	1.14E-02	1.14E-02
2163	494361.06	3859751.99	0.37006	1.09E-02	1.11E-02	1.11E-02
2164	494411.06	3859751.99	0.36021	1.06E-02	1.08E-02	1.08E-02
2165	494461.06	3859751.99	0.3672	1.08E-02	1.10E-02	1.10E-02
2166	494511.06	3859751.99	0.36881	1.09E-02	1.11E-02	1.11E-02
2167	494561.06	3859751.99	0.36202	1.07E-02	1.09E-02	1.09E-02
2168	494611.06	3859751.99	0.35135	1.04E-02	1.06E-02	1.06E-02
2169	494661.06	3859751.99	0.32324	9.52E-03	9.72E-03	9.71E-03
2170	494711.06	3859751.99	0.33322	9.82E-03	1.00E-02	1.00E-02
2171	494761.06	3859751.99	0.32929	9.70E-03	9.90E-03	9.89E-03
2172	494811.06	3859751.99	0.32429	9.56E-03	9.75E-03	9.74E-03
2173	494861.06	3859751.99	0.31983	9.42E-03	9.62E-03	9.61E-03
2174	494911.06	3859751.99	0.31438	9.26E-03	9.45E-03	9.44E-03
2175	494961.06	3859751.99	0.30904	9.11E-03	9.29E-03	9.28E-03
2176	495011.06	3859751.99	0.30574	9.01E-03	9.19E-03	9.18E-03
2177	495061.06	3859751.99	0.30612	9.02E-03	9.20E-03	9.19E-03
2178	495111.06	3859751.99	0.30547	9.00E-03	9.18E-03	9.17E-03
2179	495161.06	3859751.99	0.3035	8.94E-03	9.13E-03	9.11E-03
2180	495211.06	3859751.99	0.29708	8.75E-03	8.93E-03	8.92E-03
2181	495261.06	3859751.99	0.29384	8.66E-03	8.84E-03	8.82E-03
2182	495311.06	3859751.99	0.28838	8.50E-03	8.67E-03	8.66E-03
2183	495361.06	3859751.99	0.28362	8.36E-03	8.53E-03	8.52E-03
2184	495411.06	3859751.99	0.27912	8.22E-03	8.39E-03	8.38E-03
2185	495461.06	3859751.99	0.27205	8.02E-03	8.18E-03	8.17E-03
2186	495511.06	3859751.99	0.27071	7.98E-03	8.14E-03	8.13E-03
2187	495561.06	3859751.99	0.26591	7.84E-03	8.00E-03	7.99E-03
2188	495611.06	3859751.99	0.26575	7.83E-03	7.99E-03	7.98E-03
2189	495661.06	3859751.99	0.26721	7.87E-03	8.03E-03	8.02E-03
2190	494311.06	3859801.99	0.41411	1.22E-02	1.25E-02	1.24E-02
2191	494361.06	3859801.99	0.39878	1.18E-02	1.20E-02	1.20E-02
2192	494411.06	3859801.99	0.38415	1.13E-02	1.16E-02	1.15E-02
2193	494461.06	3859801.99	0.38939	1.15E-02	1.17E-02	1.17E-02
2194	494511.06	3859801.99	0.39655	1.17E-02	1.19E-02	1.19E-02
2195	494561.06	3859801.99	0.38797	1.14E-02	1.17E-02	1.17E-02
2196	494611.06	3859801.99	0.36662	1.08E-02	1.10E-02	1.10E-02
2197	494661.06	3859801.99	0.35805	1.06E-02	1.08E-02	1.08E-02
2198	494711.06	3859801.99	0.34748	1.02E-02	1.04E-02	1.04E-02
2199	494761.06	3859801.99	0.35232	1.04E-02	1.06E-02	1.06E-02
2200	494811.06	3859801.99	0.3449	1.02E-02	1.04E-02	1.04E-02
2201	494861.06	3859801.99	0.34182	1.01E-02	1.03E-02	1.03E-02

2202	494911.06	3859801.99	0.33333	9.82E-03	1.00E-02	1.00E-02
2203	494961.06	3859801.99	0.329	9.69E-03	9.89E-03	9.88E-03
2204	495011.06	3859801.99	0.32402	9.55E-03	9.74E-03	9.73E-03
2205	495061.06	3859801.99	0.32126	9.47E-03	9.66E-03	9.65E-03
2206	495111.06	3859801.99	0.31444	9.27E-03	9.45E-03	9.44E-03
2207	495161.06	3859801.99	0.30878	9.10E-03	9.28E-03	9.27E-03
2208	495211.06	3859801.99	0.30535	9.00E-03	9.18E-03	9.17E-03
2209	495261.06	3859801.99	0.30197	8.90E-03	9.08E-03	9.07E-03
2210	495311.06	3859801.99	0.301	8.87E-03	9.05E-03	9.04E-03
2211	495361.06	3859801.99	0.29941	8.82E-03	9.00E-03	8.99E-03
2212	495411.06	3859801.99	0.29421	8.67E-03	8.85E-03	8.84E-03
2213	495461.06	3859801.99	0.28931	8.52E-03	8.70E-03	8.69E-03
2214	495511.06	3859801.99	0.28122	8.29E-03	8.46E-03	8.45E-03
2215	495561.06	3859801.99	0.2775	8.18E-03	8.34E-03	8.33E-03
2216	495611.06	3859801.99	0.27687	8.16E-03	8.32E-03	8.32E-03
2217	495661.06	3859801.99	0.27026	7.96E-03	8.13E-03	8.12E-03
2218	494311.06	3859851.99	0.44672	1.32E-02	1.34E-02	1.34E-02
2219	494361.06	3859851.99	0.43484	1.28E-02	1.31E-02	1.31E-02
2220	494411.06	3859851.99	0.42128	1.24E-02	1.27E-02	1.27E-02
2221	494461.06	3859851.99	0.41233	1.21E-02	1.24E-02	1.24E-02
2222	494511.06	3859851.99	0.41186	1.21E-02	1.24E-02	1.24E-02
2223	494561.06	3859851.99	0.41347	1.22E-02	1.24E-02	1.24E-02
2224	494611.06	3859851.99	0.39528	1.16E-02	1.19E-02	1.19E-02
2225	494661.06	3859851.99	0.39403	1.16E-02	1.18E-02	1.18E-02
2226	494711.06	3859851.99	0.38115	1.12E-02	1.15E-02	1.14E-02
2227	494761.06	3859851.99	0.38431	1.13E-02	1.16E-02	1.15E-02
2228	494811.06	3859851.99	0.37554	1.11E-02	1.13E-02	1.13E-02
2229	494861.06	3859851.99	0.37181	1.10E-02	1.12E-02	1.12E-02
2230	494911.06	3859851.99	0.36238	1.07E-02	1.09E-02	1.09E-02
2231	494961.06	3859851.99	0.35662	1.05E-02	1.07E-02	1.07E-02
2232	495011.06	3859851.99	0.35053	1.03E-02	1.05E-02	1.05E-02
2233	495061.06	3859851.99	0.34656	1.02E-02	1.04E-02	1.04E-02
2234	495111.06	3859851.99	0.3368	9.92E-03	1.01E-02	1.01E-02
2235	495161.06	3859851.99	0.32982	9.72E-03	9.92E-03	9.91E-03
2236	495211.06	3859851.99	0.32367	9.54E-03	9.73E-03	9.72E-03
2237	495261.06	3859851.99	0.31628	9.32E-03	9.51E-03	9.50E-03
2238	495311.06	3859851.99	0.31194	9.19E-03	9.38E-03	9.37E-03
2239	495361.06	3859851.99	0.30633	9.03E-03	9.21E-03	9.20E-03
2240	495411.06	3859851.99	0.30239	8.91E-03	9.09E-03	9.08E-03
2241	495461.06	3859851.99	0.29852	8.80E-03	8.98E-03	8.97E-03
2242	495511.06	3859851.99	0.29704	8.75E-03	8.93E-03	8.92E-03
2243	495561.06	3859851.99	0.29566	8.71E-03	8.89E-03	8.88E-03
2244	495611.06	3859851.99	0.29242	8.62E-03	8.79E-03	8.78E-03
2245	495661.06	3859851.99	0.287	8.46E-03	8.63E-03	8.62E-03
2246	494311.06	3859901.99	0.47055	1.39E-02	1.41E-02	1.41E-02
2247	494361.06	3859901.99	0.44438	1.31E-02	1.34E-02	1.33E-02
2248	494411.06	3859901.99	0.44466	1.31E-02	1.34E-02	1.34E-02
2249	494461.06	3859901.99	0.43607	1.28E-02	1.31E-02	1.31E-02
2250	494511.06	3859901.99	0.43548	1.28E-02	1.31E-02	1.31E-02
2251	494561.06	3859901.99	0.44155	1.30E-02	1.33E-02	1.33E-02
2252	494611.06	3859901.99	0.4178	1.23E-02	1.26E-02	1.25E-02
2253	494661.06	3859901.99	0.4245	1.25E-02	1.28E-02	1.27E-02
2254	494711.06	3859901.99	0.39941	1.18E-02	1.20E-02	1.20E-02
2255	494761.06	3859901.99	0.40213	1.18E-02	1.21E-02	1.21E-02
2256	494811.06	3859901.99	0.40172	1.18E-02	1.21E-02	1.21E-02
2257	494861.06	3859901.99	0.39548	1.17E-02	1.19E-02	1.19E-02
2258	494911.06	3859901.99	0.38692	1.14E-02	1.16E-02	1.16E-02
2259	494961.06	3859901.99	0.38267	1.13E-02	1.15E-02	1.15E-02
2260	495011.06	3859901.99	0.37541	1.11E-02	1.13E-02	1.13E-02
2261	495061.06	3859901.99	0.36817	1.08E-02	1.11E-02	1.11E-02
2262	495111.06	3859901.99	0.35521	1.05E-02	1.07E-02	1.07E-02
2263	495161.06	3859901.99	0.34494	1.02E-02	1.04E-02	1.04E-02
2264	495211.06	3859901.99	0.34168	1.01E-02	1.03E-02	1.03E-02

2265	495261.06	3859901.99	0.32854	9.68E-03	9.88E-03	9.87E-03
2266	495311.06	3859901.99	0.32591	9.60E-03	9.80E-03	9.79E-03
2267	495361.06	3859901.99	0.31995	9.43E-03	9.62E-03	9.61E-03
2268	495411.06	3859901.99	0.31173	9.19E-03	9.37E-03	9.36E-03
2269	495461.06	3859901.99	0.30511	8.99E-03	9.17E-03	9.16E-03
2270	495511.06	3859901.99	0.30205	8.90E-03	9.08E-03	9.07E-03
2271	495561.06	3859901.99	0.30103	8.87E-03	9.05E-03	9.04E-03
2272	495611.06	3859901.99	0.30198	8.90E-03	9.08E-03	9.07E-03
2273	495661.06	3859901.99	0.29517	8.70E-03	8.88E-03	8.86E-03
2274	494311.06	3859951.99	0.48737	1.44E-02	1.47E-02	1.46E-02
2275	494361.06	3859951.99	0.47416	1.40E-02	1.43E-02	1.42E-02
2276	494411.06	3859951.99	0.46668	1.38E-02	1.40E-02	1.40E-02
2277	494461.06	3859951.99	0.45968	1.35E-02	1.38E-02	1.38E-02
2278	494511.06	3859951.99	0.4549	1.34E-02	1.37E-02	1.37E-02
2279	494561.06	3859951.99	0.47261	1.39E-02	1.42E-02	1.42E-02
2280	494611.06	3859951.99	0.44284	1.30E-02	1.33E-02	1.33E-02
2281	494661.06	3859951.99	0.44996	1.33E-02	1.35E-02	1.35E-02
2282	494711.06	3859951.99	0.42783	1.26E-02	1.29E-02	1.28E-02
2283	494761.06	3859951.99	0.42321	1.25E-02	1.27E-02	1.27E-02
2284	494811.06	3859951.99	0.41777	1.23E-02	1.26E-02	1.25E-02
2285	494861.06	3859951.99	0.41644	1.23E-02	1.25E-02	1.25E-02
2286	494911.06	3859951.99	0.40644	1.20E-02	1.22E-02	1.22E-02
2287	494961.06	3859951.99	0.39449	1.16E-02	1.19E-02	1.18E-02
2288	495011.06	3859951.99	0.38481	1.13E-02	1.16E-02	1.16E-02
2289	495061.06	3859951.99	0.3787	1.12E-02	1.14E-02	1.14E-02
2290	495111.06	3859951.99	0.36749	1.08E-02	1.10E-02	1.10E-02
2291	495161.06	3859951.99	0.35851	1.06E-02	1.08E-02	1.08E-02
2292	495211.06	3859951.99	0.34984	1.03E-02	1.05E-02	1.05E-02
2293	495261.06	3859951.99	0.34232	1.01E-02	1.03E-02	1.03E-02
2294	495311.06	3859951.99	0.34121	1.01E-02	1.03E-02	1.02E-02
2295	495361.06	3859951.99	0.33684	9.93E-03	1.01E-02	1.01E-02
2296	495411.06	3859951.99	0.33214	9.79E-03	9.99E-03	9.98E-03
2297	495461.06	3859951.99	0.32688	9.63E-03	9.83E-03	9.82E-03
2298	495511.06	3859951.99	0.31677	9.33E-03	9.52E-03	9.51E-03
2299	495561.06	3859951.99	0.31594	9.31E-03	9.50E-03	9.49E-03
2300	495611.06	3859951.99	0.30858	9.09E-03	9.28E-03	9.27E-03
2301	495661.06	3859951.99	0.29923	8.82E-03	9.00E-03	8.99E-03
2302	494311.06	3860001.99	0.51048	1.50E-02	1.53E-02	1.53E-02
2303	494361.06	3860001.99	0.50103	1.48E-02	1.51E-02	1.50E-02
2304	494411.06	3860001.99	0.48551	1.43E-02	1.46E-02	1.46E-02
2305	494461.06	3860001.99	0.48021	1.42E-02	1.44E-02	1.44E-02
2306	494511.06	3860001.99	0.46943	1.38E-02	1.41E-02	1.41E-02
2307	494561.06	3860001.99	0.48173	1.42E-02	1.45E-02	1.45E-02
2308	494611.06	3860001.99	0.46966	1.38E-02	1.41E-02	1.41E-02
2309	494661.06	3860001.99	0.46388	1.37E-02	1.39E-02	1.39E-02
2310	494711.06	3860001.99	0.43997	1.30E-02	1.32E-02	1.32E-02
2311	494761.06	3860001.99	0.444	1.31E-02	1.34E-02	1.33E-02
2312	494811.06	3860001.99	0.4406	1.30E-02	1.32E-02	1.32E-02
2313	494861.06	3860001.99	0.43869	1.29E-02	1.32E-02	1.32E-02
2314	494911.06	3860001.99	0.41834	1.23E-02	1.26E-02	1.26E-02
2315	494961.06	3860001.99	0.41583	1.23E-02	1.25E-02	1.25E-02
2316	495011.06	3860001.99	0.40744	1.20E-02	1.23E-02	1.22E-02
2317	495061.06	3860001.99	0.4033	1.19E-02	1.21E-02	1.21E-02
2318	495111.06	3860001.99	0.3913	1.15E-02	1.18E-02	1.18E-02
2319	495161.06	3860001.99	0.38028	1.12E-02	1.14E-02	1.14E-02
2320	495211.06	3860001.99	0.37657	1.11E-02	1.13E-02	1.13E-02
2321	495261.06	3860001.99	0.36813	1.08E-02	1.11E-02	1.11E-02
2322	495311.06	3860001.99	0.36206	1.07E-02	1.09E-02	1.09E-02
2323	495361.06	3860001.99	0.34967	1.03E-02	1.05E-02	1.05E-02
2324	495411.06	3860001.99	0.34748	1.02E-02	1.04E-02	1.04E-02
2325	495461.06	3860001.99	0.34098	1.00E-02	1.03E-02	1.02E-02
2326	495511.06	3860001.99	0.33735	9.94E-03	1.01E-02	1.01E-02
2327	495561.06	3860001.99	0.33494	9.87E-03	1.01E-02	1.01E-02

2328	495611.06	3860001.99	0.33012	9.73E-03	9.93E-03	9.91E-03
2329	495661.06	3860001.99	0.32029	9.44E-03	9.63E-03	9.62E-03
2330	494411.06	3860051.99	0.5211	1.54E-02	1.57E-02	1.56E-02
2331	494461.06	3860051.99	0.51105	1.51E-02	1.54E-02	1.53E-02
2332	494511.06	3860051.99	0.50247	1.48E-02	1.51E-02	1.51E-02
2333	494561.06	3860051.99	0.50586	1.49E-02	1.52E-02	1.52E-02
2334	494611.06	3860051.99	0.50179	1.48E-02	1.51E-02	1.51E-02
2335	494661.06	3860051.99	0.4957	1.46E-02	1.49E-02	1.49E-02
2336	494711.06	3860051.99	0.47919	1.41E-02	1.44E-02	1.44E-02
2337	494761.06	3860051.99	0.47434	1.40E-02	1.43E-02	1.42E-02
2338	494811.06	3860051.99	0.47353	1.40E-02	1.42E-02	1.42E-02
2339	494861.06	3860051.99	0.4712	1.39E-02	1.42E-02	1.42E-02
2340	494911.06	3860051.99	0.45897	1.35E-02	1.38E-02	1.38E-02
2341	494961.06	3860051.99	0.44617	1.31E-02	1.34E-02	1.34E-02
2342	495011.06	3860051.99	0.43551	1.28E-02	1.31E-02	1.31E-02
2343	495061.06	3860051.99	0.42749	1.26E-02	1.29E-02	1.28E-02
2344	495111.06	3860051.99	0.41605	1.23E-02	1.25E-02	1.25E-02
2345	495161.06	3860051.99	0.40863	1.20E-02	1.23E-02	1.23E-02
2346	495211.06	3860051.99	0.39979	1.18E-02	1.20E-02	1.20E-02
2347	495261.06	3860051.99	0.39437	1.16E-02	1.19E-02	1.18E-02
2348	495311.06	3860051.99	0.39074	1.15E-02	1.17E-02	1.17E-02
2349	495361.06	3860051.99	0.38408	1.13E-02	1.15E-02	1.15E-02
2350	495411.06	3860051.99	0.37737	1.11E-02	1.13E-02	1.13E-02
2351	495461.06	3860051.99	0.36968	1.09E-02	1.11E-02	1.11E-02
2352	495511.06	3860051.99	0.36466	1.07E-02	1.10E-02	1.10E-02
2353	495561.06	3860051.99	0.35813	1.06E-02	1.08E-02	1.08E-02
2354	495611.06	3860051.99	0.3505	1.03E-02	1.05E-02	1.05E-02
2355	495661.06	3860051.99	0.34078	1.00E-02	1.02E-02	1.02E-02
2356	494411.06	3860101.99	0.54575	1.61E-02	1.64E-02	1.64E-02
2357	494461.06	3860101.99	0.54753	1.61E-02	1.65E-02	1.64E-02
2358	494511.06	3860101.99	0.53075	1.56E-02	1.60E-02	1.59E-02
2359	494561.06	3860101.99	0.52764	1.55E-02	1.59E-02	1.58E-02
2360	494611.06	3860101.99	0.5306	1.56E-02	1.60E-02	1.59E-02
2361	494661.06	3860101.99	0.5257	1.55E-02	1.58E-02	1.58E-02
2362	494711.06	3860101.99	0.51041	1.50E-02	1.53E-02	1.53E-02
2363	494761.06	3860101.99	0.50467	1.49E-02	1.52E-02	1.52E-02
2364	494811.06	3860101.99	0.49975	1.47E-02	1.50E-02	1.50E-02
2365	494861.06	3860101.99	0.50738	1.50E-02	1.53E-02	1.52E-02
2366	494911.06	3860101.99	0.47979	1.41E-02	1.44E-02	1.44E-02
2367	494961.06	3860101.99	0.47328	1.39E-02	1.42E-02	1.42E-02
2368	495011.06	3860101.99	0.46242	1.36E-02	1.39E-02	1.39E-02
2369	495061.06	3860101.99	0.45266	1.33E-02	1.36E-02	1.36E-02
2370	495111.06	3860101.99	0.44022	1.30E-02	1.32E-02	1.32E-02
2371	495161.06	3860101.99	0.43521	1.28E-02	1.31E-02	1.31E-02
2372	495211.06	3860101.99	0.42777	1.26E-02	1.29E-02	1.28E-02
2373	495261.06	3860101.99	0.42024	1.24E-02	1.26E-02	1.26E-02
2374	495311.06	3860101.99	0.4141	1.22E-02	1.25E-02	1.24E-02
2375	495361.06	3860101.99	0.41007	1.21E-02	1.23E-02	1.23E-02
2376	495411.06	3860101.99	0.40271	1.19E-02	1.21E-02	1.21E-02
2377	495461.06	3860101.99	0.39205	1.16E-02	1.18E-02	1.18E-02
2378	495511.06	3860101.99	0.38832	1.14E-02	1.17E-02	1.17E-02
2379	495561.06	3860101.99	0.38436	1.13E-02	1.16E-02	1.15E-02
2380	495611.06	3860101.99	0.3741	1.10E-02	1.12E-02	1.12E-02
2381	495661.06	3860101.99	0.36737	1.08E-02	1.10E-02	1.10E-02
2382	494861.06	3860151.99	0.5448	1.61E-02	1.64E-02	1.64E-02
2383	494911.06	3860151.99	0.51333	1.51E-02	1.54E-02	1.54E-02
2384	494961.06	3860151.99	0.5025	1.48E-02	1.51E-02	1.51E-02
2385	495011.06	3860151.99	0.49076	1.45E-02	1.48E-02	1.47E-02
2386	495061.06	3860151.99	0.47945	1.41E-02	1.44E-02	1.44E-02
2387	495111.06	3860151.99	0.47076	1.39E-02	1.42E-02	1.41E-02
2388	495161.06	3860151.99	0.46322	1.36E-02	1.39E-02	1.39E-02
2389	495211.06	3860151.99	0.45442	1.34E-02	1.37E-02	1.36E-02
2390	495261.06	3860151.99	0.44777	1.32E-02	1.35E-02	1.34E-02

2391	495311.06	3860151.99	0.44093	1.30E-02	1.33E-02	1.32E-02
2392	495361.06	3860151.99	0.43481	1.28E-02	1.31E-02	1.31E-02
2393	495411.06	3860151.99	0.42739	1.26E-02	1.29E-02	1.28E-02
2394	495461.06	3860151.99	0.42046	1.24E-02	1.26E-02	1.26E-02
2395	495511.06	3860151.99	0.41197	1.21E-02	1.24E-02	1.24E-02
2396	495561.06	3860151.99	0.40639	1.20E-02	1.22E-02	1.22E-02
2397	495611.06	3860151.99	0.39847	1.17E-02	1.20E-02	1.20E-02
2398	495661.06	3860151.99	0.38992	1.15E-02	1.17E-02	1.17E-02
2399	495718.25	3859442.96	0.24073	7.09E-03	7.24E-03	7.23E-03
2400	495818.25	3859442.96	0.24414	7.19E-03	7.34E-03	7.33E-03
2401	495918.25	3859442.96	0.24742	7.29E-03	7.44E-03	7.43E-03
2402	496018.25	3859442.96	0.24984	7.36E-03	7.51E-03	7.50E-03
2403	496118.25	3859442.96	0.25294	7.45E-03	7.61E-03	7.60E-03
2404	496218.25	3859442.96	0.25388	7.48E-03	7.63E-03	7.62E-03
2405	496318.25	3859442.96	0.25036	7.38E-03	7.53E-03	7.52E-03
2406	496418.25	3859442.96	0.24877	7.33E-03	7.48E-03	7.47E-03
2407	495718.25	3859542.96	0.24543	7.23E-03	7.38E-03	7.37E-03
2408	495818.25	3859542.96	0.24121	7.11E-03	7.25E-03	7.24E-03
2409	495918.25	3859542.96	0.23958	7.06E-03	7.20E-03	7.20E-03
2410	496018.25	3859542.96	0.24179	7.12E-03	7.27E-03	7.26E-03
2411	496118.25	3859542.96	0.24722	7.28E-03	7.43E-03	7.42E-03
2412	496218.25	3859542.96	0.25115	7.40E-03	7.55E-03	7.54E-03
2413	496318.25	3859542.96	0.25359	7.47E-03	7.62E-03	7.62E-03
2414	496418.25	3859542.96	0.2531	7.46E-03	7.61E-03	7.60E-03
2415	495718.25	3859642.96	0.25108	7.40E-03	7.55E-03	7.54E-03
2416	495818.25	3859642.96	0.24638	7.26E-03	7.41E-03	7.40E-03
2417	495918.25	3859642.96	0.2439	7.19E-03	7.33E-03	7.32E-03
2418	496018.25	3859642.96	0.23966	7.06E-03	7.21E-03	7.20E-03
2419	496118.25	3859642.96	0.24047	7.09E-03	7.23E-03	7.22E-03
2420	496218.25	3859642.96	0.24505	7.22E-03	7.37E-03	7.36E-03
2421	496318.25	3859642.96	0.24693	7.28E-03	7.42E-03	7.42E-03
2422	496418.25	3859642.96	0.24768	7.30E-03	7.45E-03	7.44E-03
2423	495718.25	3859742.96	0.26587	7.83E-03	7.99E-03	7.98E-03
2424	495818.25	3859742.96	0.2626	7.74E-03	7.90E-03	7.89E-03
2425	495918.25	3859742.96	0.25458	7.50E-03	7.65E-03	7.65E-03
2426	496018.25	3859742.96	0.24735	7.29E-03	7.44E-03	7.43E-03
2427	496118.25	3859742.96	0.24711	7.28E-03	7.43E-03	7.42E-03
2428	496218.25	3859742.96	0.24638	7.26E-03	7.41E-03	7.40E-03
2429	496318.25	3859742.96	0.23742	7.00E-03	7.14E-03	7.13E-03
2430	496418.25	3859742.96	0.22926	6.76E-03	6.89E-03	6.89E-03
2431	495718.25	3859842.96	0.28198	8.31E-03	8.48E-03	8.47E-03
2432	495818.25	3859842.96	0.27676	8.16E-03	8.32E-03	8.31E-03
2433	495918.25	3859842.96	0.26897	7.93E-03	8.09E-03	8.08E-03
2434	496018.25	3859842.96	0.26844	7.91E-03	8.07E-03	8.06E-03
2435	496118.25	3859842.96	0.26849	7.91E-03	8.07E-03	8.06E-03
2436	496218.25	3859842.96	0.25088	7.39E-03	7.54E-03	7.53E-03
2437	496318.25	3859842.96	0.23259	6.85E-03	6.99E-03	6.99E-03
2438	496418.25	3859842.96	0.22746	6.70E-03	6.84E-03	6.83E-03
2439	495718.25	3859942.96	0.30124	8.88E-03	9.06E-03	9.05E-03
2440	495818.25	3859942.96	0.2956	8.71E-03	8.89E-03	8.88E-03
2441	495918.25	3859942.96	0.29107	8.58E-03	8.75E-03	8.74E-03
2442	496018.25	3859942.96	0.29145	8.59E-03	8.76E-03	8.75E-03
2443	496118.25	3859942.96	0.27816	8.20E-03	8.36E-03	8.35E-03
2444	496218.25	3859942.96	0.25866	7.62E-03	7.78E-03	7.77E-03
2445	496318.25	3859942.96	0.24315	7.16E-03	7.31E-03	7.30E-03
2446	496418.25	3859942.96	0.22686	6.68E-03	6.82E-03	6.81E-03
2447	496856.82	3858864.83	0.15457	4.55E-03	4.65E-03	4.64E-03
2448	496956.82	3858864.83	0.1524	4.49E-03	4.58E-03	4.58E-03
2449	497056.82	3858864.83	0.14889	4.39E-03	4.48E-03	4.47E-03
2450	497156.82	3858864.83	0.14599	4.30E-03	4.39E-03	4.38E-03
2451	497256.82	3858864.83	0.14904	4.39E-03	4.48E-03	4.48E-03
2452	496856.82	3858964.83	0.18186	5.36E-03	5.47E-03	5.46E-03
2453	496956.82	3858964.83	0.16853	4.97E-03	5.07E-03	5.06E-03

2454	497056.82	3858964.83	0.16044	4.73E-03	4.82E-03	4.82E-03
2455	497156.82	3858964.83	0.15614	4.60E-03	4.69E-03	4.69E-03
2456	497256.82	3858964.83	0.15918	4.69E-03	4.79E-03	4.78E-03
2457	496856.82	3859064.83	0.20325	5.99E-03	6.11E-03	6.10E-03
2458	496956.82	3859064.83	0.19395	5.71E-03	5.83E-03	5.82E-03
2459	497056.82	3859064.83	0.18255	5.38E-03	5.49E-03	5.48E-03
2460	497156.82	3859064.83	0.17202	5.07E-03	5.17E-03	5.17E-03
2461	497256.82	3859064.83	0.17149	5.05E-03	5.16E-03	5.15E-03
2462	496856.82	3859164.83	0.21678	6.39E-03	6.52E-03	6.51E-03
2463	496956.82	3859164.83	0.20899	6.16E-03	6.28E-03	6.28E-03
2464	497056.82	3859164.83	0.20191	5.95E-03	6.07E-03	6.06E-03
2465	497156.82	3859164.83	0.19756	5.82E-03	5.94E-03	5.93E-03
2466	497256.82	3859164.83	0.19516	5.75E-03	5.87E-03	5.86E-03
2467	496856.82	3859264.83	0.22454	6.62E-03	6.75E-03	6.74E-03
2468	496956.82	3859264.83	0.2221	6.54E-03	6.68E-03	6.67E-03
2469	497056.82	3859264.83	0.22085	6.51E-03	6.64E-03	6.63E-03
2470	497156.82	3859264.83	0.21781	6.42E-03	6.55E-03	6.54E-03
2471	497256.82	3859264.83	0.21527	6.34E-03	6.47E-03	6.47E-03
2472	497088.92	3858620.93	0.12758	3.76E-03	3.84E-03	3.83E-03
2473	497138.92	3858620.93	0.13038	3.84E-03	3.92E-03	3.92E-03
2474	497188.92	3858620.93	0.1327	3.91E-03	3.99E-03	3.99E-03
2475	497238.92	3858620.93	0.13548	3.99E-03	4.07E-03	4.07E-03
2476	497088.92	3858670.93	0.1343	3.96E-03	4.04E-03	4.03E-03
2477	497138.92	3858670.93	0.13216	3.89E-03	3.97E-03	3.97E-03
2478	497188.92	3858670.93	0.12969	3.82E-03	3.90E-03	3.89E-03
2479	497238.92	3858670.93	0.13288	3.92E-03	4.00E-03	3.99E-03
2480	497088.92	3858720.93	0.1406	4.14E-03	4.23E-03	4.22E-03
2481	497138.92	3858720.93	0.13838	4.08E-03	4.16E-03	4.16E-03
2482	497188.92	3858720.93	0.13707	4.04E-03	4.12E-03	4.12E-03
2483	497238.92	3858720.93	0.13661	4.03E-03	4.11E-03	4.10E-03
2484	497088.92	3858770.93	0.1409	4.15E-03	4.24E-03	4.23E-03
2485	497138.92	3858770.93	0.14124	4.16E-03	4.25E-03	4.24E-03
2486	497188.92	3858770.93	0.14251	4.20E-03	4.28E-03	4.28E-03
2487	497238.92	3858770.93	0.14582	4.30E-03	4.38E-03	4.38E-03
2488	497396.65	3858622.63	0.15015	4.42E-03	4.51E-03	4.51E-03
2489	497496.65	3858622.63	0.15608	4.60E-03	4.69E-03	4.69E-03
2490	497596.65	3858622.63	0.15916	4.69E-03	4.79E-03	4.78E-03
2491	497696.65	3858622.63	0.15759	4.64E-03	4.74E-03	4.73E-03
2492	497796.65	3858622.63	0.1603	4.72E-03	4.82E-03	4.81E-03
2493	497896.65	3858622.63	0.16588	4.89E-03	4.99E-03	4.98E-03
2494	497396.65	3858722.63	0.1518	4.47E-03	4.56E-03	4.56E-03
2495	497496.65	3858722.63	0.16137	4.75E-03	4.85E-03	4.85E-03
2496	497596.65	3858722.63	0.16747	4.93E-03	5.04E-03	5.03E-03
2497	497696.65	3858722.63	0.16853	4.97E-03	5.07E-03	5.06E-03
2498	497796.65	3858722.63	0.16729	4.93E-03	5.03E-03	5.02E-03
2499	497896.65	3858722.63	0.17329	5.11E-03	5.21E-03	5.20E-03
2500	497396.65	3858822.63	0.15714	4.63E-03	4.72E-03	4.72E-03
2501	497496.65	3858822.63	0.15753	4.64E-03	4.74E-03	4.73E-03
2502	497596.65	3858822.63	0.16981	5.00E-03	5.11E-03	5.10E-03
2503	497696.65	3858822.63	0.17663	5.20E-03	5.31E-03	5.30E-03
2504	497796.65	3858822.63	0.17842	5.26E-03	5.36E-03	5.36E-03
2505	497896.65	3858822.63	0.17893	5.27E-03	5.38E-03	5.37E-03
2506	497396.65	3858922.63	0.16024	4.72E-03	4.82E-03	4.81E-03
2507	497496.65	3858922.63	0.16676	4.91E-03	5.01E-03	5.01E-03
2508	497596.65	3858922.63	0.16725	4.93E-03	5.03E-03	5.02E-03
2509	497696.65	3858922.63	0.17354	5.11E-03	5.22E-03	5.21E-03
2510	497796.65	3858922.63	0.18133	5.34E-03	5.45E-03	5.45E-03
2511	497896.65	3858922.63	0.18946	5.58E-03	5.70E-03	5.69E-03
2512	497364.44	3858201.52	0.11282	3.32E-03	3.39E-03	3.39E-03
2513	497414.44	3858201.52	0.11644	3.43E-03	3.50E-03	3.50E-03
2514	497464.44	3858201.52	0.1207	3.56E-03	3.63E-03	3.62E-03
2515	497514.44	3858201.52	0.12288	3.62E-03	3.69E-03	3.69E-03
2516	497564.44	3858201.52	0.12327	3.63E-03	3.71E-03	3.70E-03

2517	497614.44	3858201.52	0.12501	3.68E-03	3.76E-03	3.75E-03
2518	497364.44	3858251.52	0.11867	3.50E-03	3.57E-03	3.56E-03
2519	497414.44	3858251.52	0.12293	3.62E-03	3.70E-03	3.69E-03
2520	497464.44	3858251.52	0.12127	3.57E-03	3.65E-03	3.64E-03
2521	497514.44	3858251.52	0.12007	3.54E-03	3.61E-03	3.61E-03
2522	497564.44	3858251.52	0.12268	3.61E-03	3.69E-03	3.68E-03
2523	497614.44	3858251.52	0.12333	3.63E-03	3.71E-03	3.70E-03
2524	497364.44	3858301.52	0.12148	3.58E-03	3.65E-03	3.65E-03
2525	497414.44	3858301.52	0.12159	3.58E-03	3.66E-03	3.65E-03
2526	497464.44	3858301.52	0.12275	3.62E-03	3.69E-03	3.69E-03
2527	497514.44	3858301.52	0.12304	3.63E-03	3.70E-03	3.70E-03
2528	497564.44	3858301.52	0.12197	3.59E-03	3.67E-03	3.66E-03
2529	497614.44	3858301.52	0.12114	3.57E-03	3.64E-03	3.64E-03
2530	497364.44	3858351.52	0.12825	3.78E-03	3.86E-03	3.85E-03
2531	497414.44	3858351.52	0.1258	3.71E-03	3.78E-03	3.78E-03
2532	497464.44	3858351.52	0.12413	3.66E-03	3.73E-03	3.73E-03
2533	497514.44	3858351.52	0.12181	3.59E-03	3.66E-03	3.66E-03
2534	497564.44	3858351.52	0.11985	3.53E-03	3.60E-03	3.60E-03
2535	497614.44	3858351.52	0.12341	3.64E-03	3.71E-03	3.71E-03
2536	497364.44	3858401.52	0.12365	3.64E-03	3.72E-03	3.71E-03
2537	497414.44	3858401.52	0.12616	3.72E-03	3.79E-03	3.79E-03
2538	497464.44	3858401.52	0.12647	3.73E-03	3.80E-03	3.80E-03
2539	497514.44	3858401.52	0.12599	3.71E-03	3.79E-03	3.78E-03
2540	497564.44	3858401.52	0.12746	3.76E-03	3.83E-03	3.83E-03
2541	497614.44	3858401.52	0.12804	3.77E-03	3.85E-03	3.85E-03
2542	493478.11	3860497.94	0.89931	2.65E-02	2.70E-02	2.70E-02
2543	493528.11	3860497.94	0.8849	2.61E-02	2.66E-02	2.66E-02
2544	493478.11	3860547.94	0.8874	2.61E-02	2.67E-02	2.67E-02
2545	493528.11	3860547.94	0.87389	2.58E-02	2.63E-02	2.62E-02
2546	493478.11	3860597.94	0.86762	2.56E-02	2.61E-02	2.61E-02
2547	493528.11	3860597.94	0.84704	2.50E-02	2.55E-02	2.54E-02
2548	493561.88	3860524.64	0.86233	2.54E-02	2.59E-02	2.59E-02
2549	493591.88	3860524.64	0.84266	2.48E-02	2.53E-02	2.53E-02
2550	493561.88	3860554.64	0.85871	2.53E-02	2.58E-02	2.58E-02
2551	493591.88	3860554.64	0.85013	2.51E-02	2.56E-02	2.55E-02
2552	492880.5	3860293.11	1.30608	3.85E-02	3.93E-02	3.92E-02
2553	492930.5	3860293.11	1.2717	3.75E-02	3.82E-02	3.82E-02
2554	492980.5	3860293.11	1.22124	3.60E-02	3.67E-02	3.67E-02
2555	493030.5	3860293.11	1.15069	3.39E-02	3.46E-02	3.46E-02
2556	493080.5	3860293.11	1.06511	3.14E-02	3.20E-02	3.20E-02
2557	493130.5	3860293.11	1.08269	3.19E-02	3.26E-02	3.25E-02
2558	493180.5	3860293.11	1.09982	3.24E-02	3.31E-02	3.30E-02
2559	493230.5	3860293.11	1.07662	3.17E-02	3.24E-02	3.23E-02
2560	493280.5	3860293.11	1.03885	3.06E-02	3.12E-02	3.12E-02
2561	493330.5	3860293.11	1.00725	2.97E-02	3.03E-02	3.03E-02
2562	493380.5	3860293.11	0.98331	2.90E-02	2.96E-02	2.95E-02
2563	492880.5	3860343.11	1.31389	3.87E-02	3.95E-02	3.95E-02
2564	492930.5	3860343.11	1.28537	3.79E-02	3.86E-02	3.86E-02
2565	492980.5	3860343.11	1.23496	3.64E-02	3.71E-02	3.71E-02
2566	493030.5	3860343.11	1.19292	3.52E-02	3.59E-02	3.58E-02
2567	493080.5	3860343.11	1.12356	3.31E-02	3.38E-02	3.37E-02
2568	493130.5	3860343.11	1.09861	3.24E-02	3.30E-02	3.30E-02
2569	493180.5	3860343.11	1.11053	3.27E-02	3.34E-02	3.34E-02
2570	493230.5	3860343.11	1.08638	3.20E-02	3.27E-02	3.26E-02
2571	493280.5	3860343.11	1.05677	3.11E-02	3.18E-02	3.17E-02
2572	493330.5	3860343.11	1.02062	3.01E-02	3.07E-02	3.07E-02
2573	493380.5	3860343.11	0.99797	2.94E-02	3.00E-02	3.00E-02
2574	492880.5	3860393.11	1.32441	3.90E-02	3.98E-02	3.98E-02
2575	492930.5	3860393.11	1.29257	3.81E-02	3.89E-02	3.88E-02
2576	492980.5	3860393.11	1.24362	3.66E-02	3.74E-02	3.73E-02
2577	493030.5	3860393.11	1.18825	3.50E-02	3.57E-02	3.57E-02
2578	493080.5	3860393.11	1.12398	3.31E-02	3.38E-02	3.38E-02
2579	493130.5	3860393.11	1.11545	3.29E-02	3.35E-02	3.35E-02

2580	493180.5	3860393.11	1.11163	3.28E-02	3.34E-02	3.34E-02
2581	493230.5	3860393.11	1.07908	3.18E-02	3.24E-02	3.24E-02
2582	493280.5	3860393.11	1.03884	3.06E-02	3.12E-02	3.12E-02
2583	493330.5	3860393.11	0.99669	2.94E-02	3.00E-02	2.99E-02
2584	493380.5	3860393.11	0.9699	2.86E-02	2.92E-02	2.91E-02
2585	492880.5	3860443.11	1.31398	3.87E-02	3.95E-02	3.95E-02
2586	492930.5	3860443.11	1.27257	3.75E-02	3.83E-02	3.82E-02
2587	492980.5	3860443.11	1.24177	3.66E-02	3.73E-02	3.73E-02
2588	493030.5	3860443.11	1.19299	3.52E-02	3.59E-02	3.58E-02
2589	493080.5	3860443.11	1.14683	3.38E-02	3.45E-02	3.44E-02
2590	493130.5	3860443.11	1.1081	3.27E-02	3.33E-02	3.33E-02
2591	493180.5	3860443.11	1.09047	3.21E-02	3.28E-02	3.27E-02
2592	493230.5	3860443.11	1.05129	3.10E-02	3.16E-02	3.16E-02
2593	493280.5	3860443.11	1.02042	3.01E-02	3.07E-02	3.06E-02
2594	493330.5	3860443.11	0.98266	2.90E-02	2.95E-02	2.95E-02
2595	493380.5	3860443.11	0.96379	2.84E-02	2.90E-02	2.89E-02
2596	493180.5	3860493.11	1.05874	3.12E-02	3.18E-02	3.18E-02
2597	493230.5	3860493.11	1.02112	3.01E-02	3.07E-02	3.07E-02
2598	493280.5	3860493.11	1.00036	2.95E-02	3.01E-02	3.00E-02
2599	493330.5	3860493.11	0.97827	2.88E-02	2.94E-02	2.94E-02
2600	493380.5	3860493.11	0.96041	2.83E-02	2.89E-02	2.88E-02
2601	493330.5	3860543.11	0.93481	2.75E-02	2.81E-02	2.81E-02
2602	493380.5	3860543.11	0.9192	2.71E-02	2.76E-02	2.76E-02
2603	494135.94	3860876.85	0.56326	1.66E-02	1.69E-02	1.69E-02
2604	494185.94	3860876.85	0.55952	1.65E-02	1.68E-02	1.68E-02
2605	494135.94	3860926.85	0.55765	1.64E-02	1.68E-02	1.67E-02
2606	494185.94	3860926.85	0.54336	1.60E-02	1.63E-02	1.63E-02
2607	494135.94	3860976.85	0.54953	1.62E-02	1.65E-02	1.65E-02
2608	494185.94	3860976.85	0.53834	1.59E-02	1.62E-02	1.62E-02
2609	494135.94	3861026.85	0.53709	1.58E-02	1.61E-02	1.61E-02
2610	494185.94	3861026.85	0.52675	1.55E-02	1.58E-02	1.58E-02
2611	494135.94	3861076.85	0.52483	1.55E-02	1.58E-02	1.58E-02
2612	494185.94	3861076.85	0.51371	1.51E-02	1.54E-02	1.54E-02
2613	490360.04	3858710.04	0.75794	2.23E-02	2.28E-02	2.28E-02
2614	490410.04	3858710.04	0.72701	2.14E-02	2.19E-02	2.18E-02
2615	490460.04	3858710.04	0.66583	1.96E-02	2.00E-02	2.00E-02
2616	490510.04	3858710.04	0.65091	1.92E-02	1.96E-02	1.95E-02
2617	490560.04	3858710.04	0.64289	1.89E-02	1.93E-02	1.93E-02
2618	490610.04	3858710.04	0.63307	1.87E-02	1.90E-02	1.90E-02
2619	490660.04	3858710.04	0.62977	1.86E-02	1.89E-02	1.89E-02
2620	490710.04	3858710.04	0.60344	1.78E-02	1.81E-02	1.81E-02
2621	490760.04	3858710.04	0.56465	1.66E-02	1.70E-02	1.70E-02
2622	490810.04	3858710.04	0.52905	1.56E-02	1.59E-02	1.59E-02
2623	490860.04	3858710.04	0.48635	1.43E-02	1.46E-02	1.46E-02
2624	490360.04	3858760.04	0.80144	2.36E-02	2.41E-02	2.41E-02
2625	490410.04	3858760.04	0.77089	2.27E-02	2.32E-02	2.32E-02
2626	490460.04	3858760.04	0.72573	2.14E-02	2.18E-02	2.18E-02
2627	490510.04	3858760.04	0.6905	2.03E-02	2.08E-02	2.07E-02
2628	490560.04	3858760.04	0.66674	1.96E-02	2.00E-02	2.00E-02
2629	490610.04	3858760.04	0.64056	1.89E-02	1.93E-02	1.92E-02
2630	490660.04	3858760.04	0.61887	1.82E-02	1.86E-02	1.86E-02
2631	490710.04	3858760.04	0.5809	1.71E-02	1.75E-02	1.74E-02
2632	490760.04	3858760.04	0.54539	1.61E-02	1.64E-02	1.64E-02
2633	490810.04	3858760.04	0.51953	1.53E-02	1.56E-02	1.56E-02
2634	490860.04	3858760.04	0.49552	1.46E-02	1.49E-02	1.49E-02
2635	490360.04	3858810.04	0.85565	2.52E-02	2.57E-02	2.57E-02
2636	490410.04	3858810.04	0.8203	2.42E-02	2.47E-02	2.46E-02
2637	490460.04	3858810.04	0.7823	2.31E-02	2.35E-02	2.35E-02
2638	490510.04	3858810.04	0.7186	2.12E-02	2.16E-02	2.16E-02
2639	490560.04	3858810.04	0.68988	2.03E-02	2.07E-02	2.07E-02
2640	490610.04	3858810.04	0.65605	1.93E-02	1.97E-02	1.97E-02
2641	490660.04	3858810.04	0.62357	1.84E-02	1.87E-02	1.87E-02
2642	490710.04	3858810.04	0.59328	1.75E-02	1.78E-02	1.78E-02

2643	490760.04	3858810.04	0.54294	1.60E-02	1.63E-02	1.63E-02
2644	490810.04	3858810.04	0.5285	1.56E-02	1.59E-02	1.59E-02
2645	490860.04	3858810.04	0.50172	1.48E-02	1.51E-02	1.51E-02
2646	490360.04	3858860.04	0.89339	2.63E-02	2.69E-02	2.68E-02
2647	490410.04	3858860.04	0.87285	2.57E-02	2.62E-02	2.62E-02
2648	490460.04	3858860.04	0.82448	2.43E-02	2.48E-02	2.48E-02
2649	490510.04	3858860.04	0.80548	2.37E-02	2.42E-02	2.42E-02
2650	490560.04	3858860.04	0.73708	2.17E-02	2.22E-02	2.21E-02
2651	490610.04	3858860.04	0.68884	2.03E-02	2.07E-02	2.07E-02
2652	490660.04	3858860.04	0.64655	1.91E-02	1.94E-02	1.94E-02
2653	490710.04	3858860.04	0.62207	1.83E-02	1.87E-02	1.87E-02
2654	490760.04	3858860.04	0.58058	1.71E-02	1.75E-02	1.74E-02
2655	490810.04	3858860.04	0.54395	1.60E-02	1.64E-02	1.63E-02
2656	490860.04	3858860.04	0.50872	1.50E-02	1.53E-02	1.53E-02
2657	490360.04	3858910.04	0.96253	2.84E-02	2.89E-02	2.89E-02
2658	490410.04	3858910.04	0.92269	2.72E-02	2.77E-02	2.77E-02
2659	490460.04	3858910.04	0.8834	2.60E-02	2.66E-02	2.65E-02
2660	490510.04	3858910.04	0.83957	2.47E-02	2.52E-02	2.52E-02
2661	490560.04	3858910.04	0.78212	2.30E-02	2.35E-02	2.35E-02
2662	490610.04	3858910.04	0.71144	2.10E-02	2.14E-02	2.14E-02
2663	490660.04	3858910.04	0.67657	1.99E-02	2.03E-02	2.03E-02
2664	490710.04	3858910.04	0.63721	1.88E-02	1.92E-02	1.91E-02
2665	490760.04	3858910.04	0.59247	1.75E-02	1.78E-02	1.78E-02
2666	490810.04	3858910.04	0.56249	1.66E-02	1.69E-02	1.69E-02
2667	490860.04	3858910.04	0.51912	1.53E-02	1.56E-02	1.56E-02
2668	490360.04	3858960.04	1.07969	3.18E-02	3.25E-02	3.24E-02
2669	490410.04	3858960.04	0.9909	2.92E-02	2.98E-02	2.98E-02
2670	490460.04	3858960.04	0.93662	2.76E-02	2.82E-02	2.81E-02
2671	490510.04	3858960.04	0.88776	2.62E-02	2.67E-02	2.67E-02
2672	490560.04	3858960.04	0.83871	2.47E-02	2.52E-02	2.52E-02
2673	490610.04	3858960.04	0.73428	2.16E-02	2.21E-02	2.21E-02
2674	490660.04	3858960.04	0.70584	2.08E-02	2.12E-02	2.12E-02
2675	490710.04	3858960.04	0.645	1.90E-02	1.94E-02	1.94E-02
2676	490760.04	3858960.04	0.59718	1.76E-02	1.80E-02	1.79E-02
2677	490810.04	3858960.04	0.55556	1.64E-02	1.67E-02	1.67E-02
2678	490860.04	3858960.04	0.51096	1.51E-02	1.54E-02	1.53E-02
2679	490360.04	3859010.04	1.18227	3.48E-02	3.55E-02	3.55E-02
2680	490410.04	3859010.04	1.07136	3.16E-02	3.22E-02	3.22E-02
2681	490460.04	3859010.04	0.97664	2.88E-02	2.94E-02	2.93E-02
2682	490510.04	3859010.04	0.90251	2.66E-02	2.71E-02	2.71E-02
2683	490560.04	3859010.04	0.85787	2.53E-02	2.58E-02	2.58E-02
2684	490610.04	3859010.04	0.77431	2.28E-02	2.33E-02	2.33E-02
2685	490660.04	3859010.04	0.72952	2.15E-02	2.19E-02	2.19E-02
2686	490710.04	3859010.04	0.66273	1.95E-02	1.99E-02	1.99E-02
2687	490760.04	3859010.04	0.60608	1.79E-02	1.82E-02	1.82E-02
2688	490810.04	3859010.04	0.56065	1.65E-02	1.69E-02	1.68E-02
2689	490860.04	3859010.04	0.52513	1.55E-02	1.58E-02	1.58E-02
2690	490360.04	3859060.04	1.27824	3.77E-02	3.84E-02	3.84E-02
2691	490410.04	3859060.04	1.13047	3.33E-02	3.40E-02	3.40E-02
2692	490460.04	3859060.04	1.02343	3.02E-02	3.08E-02	3.07E-02
2693	490510.04	3859060.04	0.9276	2.73E-02	2.79E-02	2.79E-02
2694	490560.04	3859060.04	0.82652	2.44E-02	2.49E-02	2.48E-02
2695	490610.04	3859060.04	0.77578	2.29E-02	2.33E-02	2.33E-02
2696	490660.04	3859060.04	0.7339	2.16E-02	2.21E-02	2.20E-02
2697	490710.04	3859060.04	0.65393	1.93E-02	1.97E-02	1.96E-02
2698	490760.04	3859060.04	0.59939	1.77E-02	1.80E-02	1.80E-02
2699	490810.04	3859060.04	0.56122	1.65E-02	1.69E-02	1.69E-02
2700	490860.04	3859060.04	0.53095	1.56E-02	1.60E-02	1.59E-02
2701	490360.04	3859110.04	1.4041	4.14E-02	4.22E-02	4.22E-02
2702	490410.04	3859110.04	1.22403	3.61E-02	3.68E-02	3.68E-02
2703	490460.04	3859110.04	1.10121	3.24E-02	3.31E-02	3.31E-02
2704	490510.04	3859110.04	0.91369	2.69E-02	2.75E-02	2.74E-02
2705	490560.04	3859110.04	0.83568	2.46E-02	2.51E-02	2.51E-02

2706	490610.04	3859110.04	0.76271	2.25E-02	2.29E-02	2.29E-02
2707	490660.04	3859110.04	0.69034	2.03E-02	2.08E-02	2.07E-02
2708	490710.04	3859110.04	0.64774	1.91E-02	1.95E-02	1.95E-02
2709	490760.04	3859110.04	0.60331	1.78E-02	1.81E-02	1.81E-02
2710	490810.04	3859110.04	0.55088	1.62E-02	1.66E-02	1.65E-02
2711	490860.04	3859110.04	0.51608	1.52E-02	1.55E-02	1.55E-02
2712	490360.04	3859160.04	1.6199	4.77E-02	4.87E-02	4.86E-02
2713	490410.04	3859160.04	1.37942	4.06E-02	4.15E-02	4.14E-02
2714	490460.04	3859160.04	1.1938	3.52E-02	3.59E-02	3.59E-02
2715	490510.04	3859160.04	1.02823	3.03E-02	3.09E-02	3.09E-02
2716	490560.04	3859160.04	0.89166	2.63E-02	2.68E-02	2.68E-02
2717	490610.04	3859160.04	0.8144	2.40E-02	2.45E-02	2.45E-02
2718	490660.04	3859160.04	0.70144	2.07E-02	2.11E-02	2.11E-02
2719	490710.04	3859160.04	0.65145	1.92E-02	1.96E-02	1.96E-02
2720	490760.04	3859160.04	0.59277	1.75E-02	1.78E-02	1.78E-02
2721	490810.04	3859160.04	0.56136	1.65E-02	1.69E-02	1.69E-02
2722	490860.04	3859160.04	0.52756	1.55E-02	1.59E-02	1.58E-02
2723	490360.04	3859210.04	1.77148	5.22E-02	5.33E-02	5.32E-02
2724	490410.04	3859210.04	1.64587	4.85E-02	4.95E-02	4.94E-02
2725	490460.04	3859210.04	1.29323	3.81E-02	3.89E-02	3.88E-02
2726	490510.04	3859210.04	1.13293	3.34E-02	3.41E-02	3.40E-02
2727	490560.04	3859210.04	1.02721	3.03E-02	3.09E-02	3.08E-02
2728	490610.04	3859210.04	0.90553	2.67E-02	2.72E-02	2.72E-02
2729	490660.04	3859210.04	0.76838	2.26E-02	2.31E-02	2.31E-02
2730	490710.04	3859210.04	0.68602	2.02E-02	2.06E-02	2.06E-02
2731	490760.04	3859210.04	0.62575	1.84E-02	1.88E-02	1.88E-02
2732	490810.04	3859210.04	0.6082	1.79E-02	1.83E-02	1.83E-02
2733	490860.04	3859210.04	0.5998	1.77E-02	1.80E-02	1.80E-02
2734	490360.04	3859260.04	1.8966	5.59E-02	5.70E-02	5.70E-02
2735	490410.04	3859260.04	1.73682	5.12E-02	5.22E-02	5.22E-02
2736	490460.04	3859260.04	1.54551	4.55E-02	4.65E-02	4.64E-02
2737	490510.04	3859260.04	1.38897	4.09E-02	4.18E-02	4.17E-02
2738	490560.04	3859260.04	1.21741	3.59E-02	3.66E-02	3.66E-02
2739	490610.04	3859260.04	1.03499	3.05E-02	3.11E-02	3.11E-02
2740	490660.04	3859260.04	0.98293	2.90E-02	2.96E-02	2.95E-02
2741	490710.04	3859260.04	0.87405	2.58E-02	2.63E-02	2.62E-02
2742	490760.04	3859260.04	0.77102	2.27E-02	2.32E-02	2.32E-02
2743	490810.04	3859260.04	0.73051	2.15E-02	2.20E-02	2.19E-02
2744	490860.04	3859260.04	0.69714	2.05E-02	2.10E-02	2.09E-02
2745	490360.04	3859310.04	2.16768	6.39E-02	6.52E-02	6.51E-02
2746	490410.04	3859310.04	1.96763	5.80E-02	5.92E-02	5.91E-02
2747	490460.04	3859310.04	1.79384	5.29E-02	5.39E-02	5.39E-02
2748	490510.04	3859310.04	1.64479	4.85E-02	4.95E-02	4.94E-02
2749	490560.04	3859310.04	1.48659	4.38E-02	4.47E-02	4.46E-02
2750	490610.04	3859310.04	1.36494	4.02E-02	4.10E-02	4.10E-02
2751	490660.04	3859310.04	1.23084	3.63E-02	3.70E-02	3.70E-02
2752	490710.04	3859310.04	1.04441	3.08E-02	3.14E-02	3.14E-02
2753	490760.04	3859310.04	0.93866	2.77E-02	2.82E-02	2.82E-02
2754	490810.04	3859310.04	0.88088	2.60E-02	2.65E-02	2.65E-02
2755	490860.04	3859310.04	0.81201	2.39E-02	2.44E-02	2.44E-02
2756	490360.04	3859360.04	2.53609	7.47E-02	7.63E-02	7.62E-02
2757	490410.04	3859360.04	2.33091	6.87E-02	7.01E-02	7.00E-02
2758	490460.04	3859360.04	2.19111	6.46E-02	6.59E-02	6.58E-02
2759	490510.04	3859360.04	2.03176	5.99E-02	6.11E-02	6.10E-02
2760	490560.04	3859360.04	1.79577	5.29E-02	5.40E-02	5.39E-02
2761	490610.04	3859360.04	1.59266	4.69E-02	4.79E-02	4.78E-02
2762	490660.04	3859360.04	1.4402	4.24E-02	4.33E-02	4.33E-02
2763	490710.04	3859360.04	1.27787	3.77E-02	3.84E-02	3.84E-02
2764	490760.04	3859360.04	1.11765	3.29E-02	3.36E-02	3.36E-02
2765	490810.04	3859360.04	1.07363	3.16E-02	3.23E-02	3.22E-02
2766	490860.04	3859360.04	0.99506	2.93E-02	2.99E-02	2.99E-02
2767	490360.04	3859410.04	2.95414	8.70E-02	8.88E-02	8.87E-02
2768	490410.04	3859410.04	2.72053	8.02E-02	8.18E-02	8.17E-02

2769	490460.04	3859410.04	2.53026	7.46E-02	7.61E-02	7.60E-02
2770	490510.04	3859410.04	2.36074	6.96E-02	7.10E-02	7.09E-02
2771	490560.04	3859410.04	2.19997	6.48E-02	6.61E-02	6.61E-02
2772	490610.04	3859410.04	1.98431	5.85E-02	5.97E-02	5.96E-02
2773	490660.04	3859410.04	1.72882	5.09E-02	5.20E-02	5.19E-02
2774	490710.04	3859410.04	1.52215	4.49E-02	4.58E-02	4.57E-02
2775	490760.04	3859410.04	1.33598	3.94E-02	4.02E-02	4.01E-02
2776	490810.04	3859410.04	1.287	3.79E-02	3.87E-02	3.87E-02
2777	490860.04	3859410.04	1.24044	3.66E-02	3.73E-02	3.73E-02
2778	490360.04	3859460.04	3.48819	1.03E-01	1.05E-01	1.05E-01
2779	490410.04	3859460.04	3.18901	9.40E-02	9.59E-02	9.58E-02
2780	490460.04	3859460.04	2.94822	8.69E-02	8.86E-02	8.85E-02
2781	490510.04	3859460.04	2.74527	8.09E-02	8.25E-02	8.24E-02
2782	490560.04	3859460.04	2.50678	7.39E-02	7.54E-02	7.53E-02
2783	490610.04	3859460.04	2.30142	6.78E-02	6.92E-02	6.91E-02
2784	490660.04	3859460.04	2.07195	6.11E-02	6.23E-02	6.22E-02
2785	490710.04	3859460.04	1.89898	5.60E-02	5.71E-02	5.70E-02
2786	490760.04	3859460.04	1.74276	5.14E-02	5.24E-02	5.23E-02
2787	490810.04	3859460.04	1.5796	4.65E-02	4.75E-02	4.74E-02
2788	490860.04	3859460.04	1.50239	4.43E-02	4.52E-02	4.51E-02
2789	490360.04	3859510.04	4.30432	1.27E-01	1.29E-01	1.29E-01
2790	490410.04	3859510.04	3.87492	1.14E-01	1.17E-01	1.16E-01
2791	490460.04	3859510.04	3.50014	1.03E-01	1.05E-01	1.05E-01
2792	490510.04	3859510.04	3.22413	9.50E-02	9.69E-02	9.68E-02
2793	490560.04	3859510.04	3.0115	8.87E-02	9.05E-02	9.04E-02
2794	490610.04	3859510.04	2.76152	8.14E-02	8.30E-02	8.29E-02
2795	490660.04	3859510.04	2.51968	7.42E-02	7.58E-02	7.57E-02
2796	490710.04	3859510.04	2.2457	6.62E-02	6.75E-02	6.74E-02
2797	490760.04	3859510.04	2.06702	6.09E-02	6.22E-02	6.21E-02
2798	490810.04	3859510.04	1.92898	5.68E-02	5.80E-02	5.79E-02
2799	490860.04	3859510.04	1.76581	5.20E-02	5.31E-02	5.30E-02
2800	490360.04	3859560.04	5.30614	1.56E-01	1.60E-01	1.59E-01
2801	490410.04	3859560.04	4.85053	1.43E-01	1.46E-01	1.46E-01
2802	490460.04	3859560.04	4.42906	1.31E-01	1.33E-01	1.33E-01
2803	490510.04	3859560.04	3.92311	1.16E-01	1.18E-01	1.18E-01
2804	490560.04	3859560.04	3.5823	1.06E-01	1.08E-01	1.08E-01
2805	490610.04	3859560.04	3.32229	9.79E-02	9.99E-02	9.98E-02
2806	490660.04	3859560.04	3.01743	8.89E-02	9.07E-02	9.06E-02
2807	490710.04	3859560.04	2.74283	8.08E-02	8.25E-02	8.24E-02
2808	490760.04	3859560.04	2.4093	7.10E-02	7.24E-02	7.24E-02
2809	490810.04	3859560.04	2.20494	6.50E-02	6.63E-02	6.62E-02
2810	490860.04	3859560.04	2.01721	5.94E-02	6.07E-02	6.06E-02
2811	490187.25	3859422.08	4.16693	1.23E-01	1.25E-01	1.25E-01
2812	490237.25	3859422.08	3.77324	1.11E-01	1.13E-01	1.13E-01
2813	490287.25	3859422.08	3.45967	1.02E-01	1.04E-01	1.04E-01
2814	490337.25	3859422.08	3.15952	9.31E-02	9.50E-02	9.49E-02
2815	490187.25	3859472.08	5.05348	1.49E-01	1.52E-01	1.52E-01
2816	490237.25	3859472.08	4.61591	1.36E-01	1.39E-01	1.39E-01
2817	490287.25	3859472.08	4.22173	1.24E-01	1.27E-01	1.27E-01
2818	490337.25	3859472.08	3.79949	1.12E-01	1.14E-01	1.14E-01
2819	490297.07	3859500.42	4.60148	1.36E-01	1.38E-01	1.38E-01
2820	490327.07	3859500.42	4.40944	1.30E-01	1.33E-01	1.32E-01
2821	490297.07	3859530.42	5.24893	1.55E-01	1.58E-01	1.58E-01
2822	490327.07	3859530.42	4.93486	1.45E-01	1.48E-01	1.48E-01
2823	490319.73	3859055.34	1.40218	4.13E-02	4.22E-02	4.21E-02
2824	490319.73	3859105.34	1.52396	4.49E-02	4.58E-02	4.58E-02
2825	490069.73	3859155.34	2.24198	6.61E-02	6.74E-02	6.73E-02
2826	490119.73	3859155.34	2.12422	6.26E-02	6.39E-02	6.38E-02
2827	490269.73	3859155.34	1.94904	5.74E-02	5.86E-02	5.85E-02
2828	490319.73	3859155.34	1.76008	5.19E-02	5.29E-02	5.29E-02
2829	490069.73	3859205.34	2.57848	7.60E-02	7.75E-02	7.74E-02
2830	490119.73	3859205.34	2.46987	7.28E-02	7.43E-02	7.42E-02
2831	490169.73	3859205.34	2.34182	6.90E-02	7.04E-02	7.03E-02

2832	490219.73	3859205.34	2.18706	6.44E-02	6.58E-02	6.57E-02
2833	490269.73	3859205.34	2.0221	5.96E-02	6.08E-02	6.07E-02
2834	490319.73	3859205.34	1.90463	5.61E-02	5.73E-02	5.72E-02
2835	490069.73	3859255.34	2.95586	8.71E-02	8.89E-02	8.88E-02
2836	490119.73	3859255.34	2.78586	8.21E-02	8.38E-02	8.37E-02
2837	490169.73	3859255.34	2.58755	7.62E-02	7.78E-02	7.77E-02
2838	490219.73	3859255.34	2.43286	7.17E-02	7.32E-02	7.31E-02
2839	490269.73	3859255.34	2.21067	6.51E-02	6.65E-02	6.64E-02
2840	490319.73	3859255.34	2.06626	6.09E-02	6.21E-02	6.21E-02
2841	490069.73	3859305.34	3.36267	9.91E-02	1.01E-01	1.01E-01
2842	490119.73	3859305.34	3.21536	9.47E-02	9.67E-02	9.66E-02
2843	490169.73	3859305.34	2.99351	8.82E-02	9.00E-02	8.99E-02
2844	490219.73	3859305.34	2.74467	8.09E-02	8.25E-02	8.24E-02
2845	490269.73	3859305.34	2.54513	7.50E-02	7.65E-02	7.64E-02
2846	490319.73	3859305.34	2.31599	6.82E-02	6.96E-02	6.96E-02
2847	490069.73	3859355.34	3.96343	1.17E-01	1.19E-01	1.19E-01
2848	490119.73	3859355.34	3.67458	1.08E-01	1.10E-01	1.10E-01
2849	490169.73	3859355.34	3.41675	1.01E-01	1.03E-01	1.03E-01
2850	490219.73	3859355.34	3.17935	9.37E-02	9.56E-02	9.55E-02
2851	490269.73	3859355.34	2.91242	8.58E-02	8.76E-02	8.75E-02
2852	490319.73	3859355.34	2.68655	7.92E-02	8.08E-02	8.07E-02
2853	490069.73	3859405.34	4.80595	1.42E-01	1.45E-01	1.44E-01
2854	490119.73	3859405.34	4.42346	1.30E-01	1.33E-01	1.33E-01
2855	490169.73	3859405.34	3.99925	1.18E-01	1.20E-01	1.20E-01
2856	490219.73	3859405.34	3.68251	1.09E-01	1.11E-01	1.11E-01
2857	490269.73	3859405.34	3.35812	9.90E-02	1.01E-01	1.01E-01
2858	490319.73	3859405.34	3.08434	9.09E-02	9.27E-02	9.26E-02
2859	490161.89	3859541.83	7.19565	2.12E-01	2.16E-01	2.16E-01
2860	490171.89	3859541.83	7.04305	2.08E-01	2.12E-01	2.12E-01
2861	490161.89	3859551.83	7.70092	2.27E-01	2.32E-01	2.31E-01
2862	490171.89	3859551.83	7.51501	2.21E-01	2.26E-01	2.26E-01
2863	489799.72	3859348.21	6.81324	2.01E-01	2.05E-01	2.05E-01
2864	489819.72	3859348.21	6.43834	1.90E-01	1.94E-01	1.93E-01
2865	489799.72	3859368.21	7.67385	2.26E-01	2.31E-01	2.30E-01
2866	489819.72	3859368.21	7.18574	2.12E-01	2.16E-01	2.16E-01
2867	489775.41	3859329.72	6.611	1.95E-01	1.99E-01	1.99E-01
2868	489795.41	3859329.72	6.25758	1.84E-01	1.88E-01	1.88E-01
2869	489775.41	3859349.72	7.41479	2.18E-01	2.23E-01	2.23E-01
2870	489795.41	3859349.72	6.95989	2.05E-01	2.09E-01	2.09E-01
2871	489595.05	3859219.43	6.00365	1.77E-01	1.81E-01	1.80E-01
2872	489615.05	3859219.43	5.69044	1.68E-01	1.71E-01	1.71E-01
2873	489595.05	3859239.43	6.74011	1.99E-01	2.03E-01	2.02E-01
2874	489615.05	3859239.43	6.34638	1.87E-01	1.91E-01	1.91E-01
2875	489372.4	3859092.58	5.47621	1.61E-01	1.65E-01	1.64E-01
2876	489422.4	3859092.58	4.8183	1.42E-01	1.45E-01	1.45E-01
2877	489372.4	3859142.58	7.43088	2.19E-01	2.23E-01	2.23E-01
2878	489422.4	3859142.58	6.26637	1.85E-01	1.88E-01	1.88E-01
2879	488870.84	3858666.64	1.26298	3.72E-02	3.80E-02	3.79E-02
2880	488900.84	3858666.64	1.26084	3.72E-02	3.79E-02	3.79E-02
2881	488870.84	3858696.64	1.39121	4.10E-02	4.18E-02	4.18E-02
2882	488900.84	3858696.64	1.39656	4.12E-02	4.20E-02	4.19E-02
2883	488889.67	3858683.97	1.3326	3.93E-02	4.01E-02	4.00E-02
2884	488919.67	3858683.97	1.32387	3.90E-02	3.98E-02	3.98E-02
2885	488889.67	3858713.97	1.46843	4.33E-02	4.42E-02	4.41E-02
2886	488919.67	3858713.97	1.44532	4.26E-02	4.35E-02	4.34E-02
2887	488906.61	3858703.33	1.41998	4.18E-02	4.27E-02	4.26E-02
2888	488936.61	3858703.33	1.36385	4.02E-02	4.10E-02	4.10E-02
2889	488906.61	3858733.33	1.59603	4.70E-02	4.80E-02	4.79E-02
2890	488936.61	3858733.33	1.50872	4.45E-02	4.54E-02	4.53E-02
2891	488637.63	3858467.85	0.95116	2.80E-02	2.86E-02	2.86E-02
2892	488662.63	3858467.85	0.96123	2.83E-02	2.89E-02	2.89E-02
2893	488637.63	3858492.85	0.97051	2.86E-02	2.92E-02	2.91E-02
2894	488662.63	3858492.85	0.99797	2.94E-02	3.00E-02	3.00E-02

2895	488687.63	3858492.85	0.99008	2.92E-02	2.98E-02	2.97E-02
2896	488637.63	3858517.85	1.02199	3.01E-02	3.07E-02	3.07E-02
2897	488662.63	3858517.85	1.02936	3.03E-02	3.10E-02	3.09E-02
2898	488687.63	3858517.85	1.04228	3.07E-02	3.13E-02	3.13E-02
2899	488194.42	3857168.98	0.35926	1.06E-02	1.08E-02	1.08E-02
2900	488244.42	3857168.98	0.36394	1.07E-02	1.09E-02	1.09E-02
2901	488294.42	3857168.98	0.35763	1.05E-02	1.08E-02	1.07E-02
2902	488244.42	3857218.98	0.37214	1.10E-02	1.12E-02	1.12E-02
2903	488294.42	3857218.98	0.37073	1.09E-02	1.11E-02	1.11E-02
2904	488294.42	3857268.98	0.3809	1.12E-02	1.15E-02	1.14E-02
2905	488139.13	3857111.68	0.34784	1.02E-02	1.05E-02	1.04E-02
2906	488189.13	3857111.68	0.35271	1.04E-02	1.06E-02	1.06E-02
2907	488189.13	3857161.68	0.35797	1.05E-02	1.08E-02	1.08E-02
2908	487951.04	3856961.26	0.33669	9.92E-03	1.01E-02	1.01E-02
2909	488001.04	3856961.26	0.33715	9.93E-03	1.01E-02	1.01E-02
2910	488051.04	3856961.26	0.33097	9.75E-03	9.95E-03	9.94E-03
2911	488101.04	3856961.26	0.32891	9.69E-03	9.89E-03	9.88E-03
2912	487951.04	3857011.26	0.33599	9.90E-03	1.01E-02	1.01E-02
2913	488001.04	3857011.26	0.34024	1.00E-02	1.02E-02	1.02E-02
2914	488051.04	3857011.26	0.33959	1.00E-02	1.02E-02	1.02E-02
2915	488101.04	3857011.26	0.34128	1.01E-02	1.03E-02	1.02E-02
2916	488001.04	3857061.26	0.33524	9.88E-03	1.01E-02	1.01E-02
2917	488051.04	3857061.26	0.34031	1.00E-02	1.02E-02	1.02E-02
2918	488101.04	3857061.26	0.34521	1.02E-02	1.04E-02	1.04E-02
2919	487638.98	3856673.79	0.30361	8.95E-03	9.13E-03	9.12E-03
2920	487688.98	3856673.79	0.29651	8.74E-03	8.92E-03	8.90E-03
2921	487638.98	3856723.79	0.29748	8.77E-03	8.94E-03	8.93E-03
2922	487688.98	3856723.79	0.29939	8.82E-03	9.00E-03	8.99E-03
2923	486324.61	3855740.57	0.36181	1.07E-02	1.09E-02	1.09E-02
2924	486374.61	3855740.57	0.35651	1.05E-02	1.07E-02	1.07E-02
2925	486424.61	3855740.57	0.364	1.07E-02	1.09E-02	1.09E-02
2926	486324.61	3855790.57	0.36043	1.06E-02	1.08E-02	1.08E-02
2927	486374.61	3855790.57	0.35604	1.05E-02	1.07E-02	1.07E-02
2928	486424.61	3855790.57	0.35581	1.05E-02	1.07E-02	1.07E-02
2929	486324.61	3855840.57	0.34553	1.02E-02	1.04E-02	1.04E-02
2930	486374.61	3855840.57	0.35354	1.04E-02	1.06E-02	1.06E-02
2931	486424.61	3855840.57	0.35241	1.04E-02	1.06E-02	1.06E-02
2932	486324.61	3855890.57	0.34494	1.02E-02	1.04E-02	1.04E-02
2933	486374.61	3855890.57	0.34517	1.02E-02	1.04E-02	1.04E-02
2934	486424.61	3855890.57	0.34808	1.03E-02	1.05E-02	1.05E-02
2935	488735.69	3858285.64	0.66461	1.96E-02	2.00E-02	2.00E-02
2936	488765.69	3858285.64	0.64977	1.91E-02	1.95E-02	1.95E-02
2937	488735.69	3858315.64	0.69452	2.05E-02	2.09E-02	2.09E-02
2938	488765.69	3858315.64	0.67516	1.99E-02	2.03E-02	2.03E-02
2939	478676.63	3849871.93	2.7864	8.21E-02	8.38E-02	8.37E-02
2940	479326.63	3849871.93	1.73294	5.11E-02	5.21E-02	5.20E-02
2941	479376.63	3849871.93	1.67647	4.94E-02	5.04E-02	5.03E-02
2942	479426.63	3849871.93	1.63068	4.81E-02	4.90E-02	4.90E-02
2943	478726.63	3849921.93	2.89717	8.54E-02	8.71E-02	8.70E-02
2944	478776.63	3849921.93	2.76557	8.15E-02	8.32E-02	8.31E-02
2945	478826.63	3849921.93	2.6709	7.87E-02	8.03E-02	8.02E-02
2946	478976.63	3849921.93	2.43948	7.19E-02	7.34E-02	7.33E-02
2947	479026.63	3849921.93	2.37695	7.00E-02	7.15E-02	7.14E-02
2948	479076.63	3849921.93	2.30642	6.80E-02	6.93E-02	6.93E-02
2949	479126.63	3849921.93	2.22505	6.56E-02	6.69E-02	6.68E-02
2950	479176.63	3849921.93	2.16506	6.38E-02	6.51E-02	6.50E-02
2951	479226.63	3849921.93	2.05941	6.07E-02	6.19E-02	6.18E-02
2952	479276.63	3849921.93	1.88705	5.56E-02	5.67E-02	5.67E-02
2953	479326.63	3849921.93	1.90196	5.60E-02	5.72E-02	5.71E-02
2954	479376.63	3849921.93	1.77123	5.22E-02	5.33E-02	5.32E-02
2955	479426.63	3849921.93	1.78308	5.25E-02	5.36E-02	5.36E-02
2956	478726.63	3849971.93	3.17661	9.36E-02	9.55E-02	9.54E-02
2957	478776.63	3849971.93	3.01501	8.88E-02	9.07E-02	9.05E-02

2958	478826.63	3849971.93	2.86232	8.43E-02	8.61E-02	8.60E-02
2959	478976.63	3849971.93	2.62954	7.75E-02	7.91E-02	7.90E-02
2960	479026.63	3849971.93	2.53179	7.46E-02	7.61E-02	7.60E-02
2961	479076.63	3849971.93	2.42872	7.16E-02	7.30E-02	7.29E-02
2962	479126.63	3849971.93	2.36325	6.96E-02	7.11E-02	7.10E-02
2963	479176.63	3849971.93	2.28823	6.74E-02	6.88E-02	6.87E-02
2964	479226.63	3849971.93	2.08996	6.16E-02	6.28E-02	6.28E-02
2965	479276.63	3849971.93	2.11743	6.24E-02	6.37E-02	6.36E-02
2966	479326.63	3849971.93	2.10095	6.19E-02	6.32E-02	6.31E-02
2967	479376.63	3849971.93	1.92146	5.66E-02	5.78E-02	5.77E-02
2968	479426.63	3849971.93	1.88505	5.55E-02	5.67E-02	5.66E-02
2969	478726.63	3850021.93	3.5551	1.05E-01	1.07E-01	1.07E-01
2970	478776.63	3850021.93	3.40366	1.00E-01	1.02E-01	1.02E-01
2971	478826.63	3850021.93	3.20512	9.44E-02	9.64E-02	9.63E-02
2972	478976.63	3850021.93	2.79859	8.25E-02	8.41E-02	8.40E-02
2973	478726.63	3850071.93	3.91446	1.15E-01	1.18E-01	1.18E-01
2974	478776.63	3850071.93	3.73384	1.10E-01	1.12E-01	1.12E-01
2975	478826.63	3850071.93	3.56334	1.05E-01	1.07E-01	1.07E-01
2976	478876.63	3850071.93	3.39954	1.00E-01	1.02E-01	1.02E-01
2977	478976.63	3850071.93	3.01619	8.89E-02	9.07E-02	9.06E-02
2978	478726.63	3850121.93	4.3378	1.28E-01	1.30E-01	1.30E-01
2979	478776.63	3850121.93	4.11187	1.21E-01	1.24E-01	1.23E-01
2980	478826.63	3850121.93	3.91761	1.15E-01	1.18E-01	1.18E-01
2981	478876.63	3850121.93	3.73598	1.10E-01	1.12E-01	1.12E-01
2982	478976.63	3850121.93	3.38685	9.98E-02	1.02E-01	1.02E-01
2983	479026.63	3850121.93	3.20793	9.45E-02	9.65E-02	9.63E-02
2984	479076.63	3850121.93	3.04655	8.98E-02	9.16E-02	9.15E-02
2985	479126.63	3850121.93	2.94964	8.69E-02	8.87E-02	8.86E-02
2986	478776.63	3850171.93	4.63205	1.36E-01	1.39E-01	1.39E-01
2987	478826.63	3850171.93	4.33584	1.28E-01	1.30E-01	1.30E-01
2988	478876.63	3850171.93	4.11395	1.21E-01	1.24E-01	1.24E-01
2989	478976.63	3850171.93	3.71751	1.10E-01	1.12E-01	1.12E-01
2990	479026.63	3850171.93	3.54253	1.04E-01	1.07E-01	1.06E-01
2991	479076.63	3850171.93	3.36996	9.93E-02	1.01E-01	1.01E-01
2992	479126.63	3850171.93	3.20028	9.43E-02	9.62E-02	9.61E-02
2993	479176.63	3850171.93	3.06182	9.02E-02	9.21E-02	9.20E-02
2994	479226.63	3850171.93	2.94214	8.67E-02	8.85E-02	8.84E-02
2995	479276.63	3850171.93	2.82323	8.32E-02	8.49E-02	8.48E-02
2996	479326.63	3850171.93	2.72843	8.04E-02	8.20E-02	8.19E-02
2997	479376.63	3850171.93	2.63017	7.75E-02	7.91E-02	7.90E-02
2998	478676.63	3850221.93	6.46293	1.90E-01	1.94E-01	1.94E-01
2999	478726.63	3850221.93	5.87866	1.73E-01	1.77E-01	1.77E-01
3000	478976.63	3850221.93	4.10043	1.21E-01	1.23E-01	1.23E-01
3001	479026.63	3850221.93	3.88818	1.15E-01	1.17E-01	1.17E-01
3002	479076.63	3850221.93	3.7087	1.09E-01	1.12E-01	1.11E-01
3003	479126.63	3850221.93	3.54033	1.04E-01	1.06E-01	1.06E-01
3004	479176.63	3850221.93	3.35812	9.90E-02	1.01E-01	1.01E-01
3005	479226.63	3850221.93	3.21819	9.48E-02	9.68E-02	9.67E-02
3006	479276.63	3850221.93	3.046	8.98E-02	9.16E-02	9.15E-02
3007	479326.63	3850221.93	2.93535	8.65E-02	8.83E-02	8.82E-02
3008	479376.63	3850221.93	2.81793	8.30E-02	8.47E-02	8.46E-02
3009	478676.63	3850271.93	8.43518	2.49E-01	2.54E-01	2.53E-01
3010	478726.63	3850271.93	7.17274	2.11E-01	2.16E-01	2.15E-01
3011	478976.63	3850271.93	4.62462	1.36E-01	1.39E-01	1.39E-01
3012	479026.63	3850271.93	4.34338	1.28E-01	1.31E-01	1.30E-01
3013	479076.63	3850271.93	4.09963	1.21E-01	1.23E-01	1.23E-01
3014	479126.63	3850271.93	3.88441	1.14E-01	1.17E-01	1.17E-01
3015	479176.63	3850271.93	3.6887	1.09E-01	1.11E-01	1.11E-01
3016	479226.63	3850271.93	3.50549	1.03E-01	1.05E-01	1.05E-01
3017	479276.63	3850271.93	3.33289	9.82E-02	1.00E-01	1.00E-01
3018	479326.63	3850271.93	3.19946	9.43E-02	9.62E-02	9.61E-02
3019	479376.63	3850271.93	3.05767	9.01E-02	9.19E-02	9.18E-02
3020	479053.24	3850293.52	4.42668	1.30E-01	1.33E-01	1.33E-01

3021	479103.24	3850293.52	4.17303	1.23E-01	1.25E-01	1.25E-01
3022	479153.24	3850293.52	3.94537	1.16E-01	1.19E-01	1.18E-01
3023	479203.24	3850293.52	3.73723	1.10E-01	1.12E-01	1.12E-01
3024	479253.24	3850293.52	3.55561	1.05E-01	1.07E-01	1.07E-01
3025	479303.24	3850293.52	3.39442	1.00E-01	1.02E-01	1.02E-01
3026	479353.24	3850293.52	3.24796	9.57E-02	9.77E-02	9.75E-02
3027	479153.24	3850343.52	4.4278	1.30E-01	1.33E-01	1.33E-01
3028	479203.24	3850343.52	4.16051	1.23E-01	1.25E-01	1.25E-01
3029	479253.24	3850343.52	3.9366	1.16E-01	1.18E-01	1.18E-01
3030	479303.24	3850343.52	3.75539	1.11E-01	1.13E-01	1.13E-01
3031	479353.24	3850343.52	3.58031	1.05E-01	1.08E-01	1.08E-01
3032	479203.24	3850393.52	4.73945	1.40E-01	1.43E-01	1.42E-01
3033	479253.24	3850393.52	4.46207	1.31E-01	1.34E-01	1.34E-01
3034	479303.24	3850393.52	4.21749	1.24E-01	1.27E-01	1.27E-01
3035	479353.24	3850393.52	3.99055	1.18E-01	1.20E-01	1.20E-01
3036	479403.24	3850393.52	3.79046	1.12E-01	1.14E-01	1.14E-01
3037	479453.24	3850393.52	3.60996	1.06E-01	1.09E-01	1.08E-01
3038	479503.24	3850393.52	3.40642	1.00E-01	1.02E-01	1.02E-01
3039	479303.24	3850443.52	4.85166	1.43E-01	1.46E-01	1.46E-01
3040	479353.24	3850443.52	4.57543	1.35E-01	1.38E-01	1.37E-01
3041	479403.24	3850443.52	4.30072	1.27E-01	1.29E-01	1.29E-01
3042	479453.24	3850443.52	4.04299	1.19E-01	1.22E-01	1.21E-01
3043	479503.24	3850443.52	3.80001	1.12E-01	1.14E-01	1.14E-01
3044	480327.18	3850987.04	5.54941	1.64E-01	1.67E-01	1.67E-01
3045	480377.18	3850987.04	5.15977	1.52E-01	1.55E-01	1.55E-01
3046	480427.18	3850987.04	4.87971	1.44E-01	1.47E-01	1.47E-01
3047	480477.18	3850987.04	4.7382	1.40E-01	1.42E-01	1.42E-01
3048	480327.18	3851037.04	6.84049	2.02E-01	2.06E-01	2.05E-01
3049	480377.18	3851037.04	6.19329	1.82E-01	1.86E-01	1.86E-01
3050	480427.18	3851037.04	5.67029	1.67E-01	1.70E-01	1.70E-01
3051	480477.18	3851037.04	5.2592	1.55E-01	1.58E-01	1.58E-01
3052	480622.06	3851087.39	5.10965	1.51E-01	1.54E-01	1.53E-01
3053	480672.06	3851087.39	4.64571	1.37E-01	1.40E-01	1.40E-01
3054	480622.06	3851137.39	5.88156	1.73E-01	1.77E-01	1.77E-01
3055	480672.06	3851137.39	5.55145	1.64E-01	1.67E-01	1.67E-01
3056	480722.06	3851137.39	5.03005	1.48E-01	1.51E-01	1.51E-01
3057	480622.06	3851187.39	7.30841	2.15E-01	2.20E-01	2.19E-01
3058	480672.06	3851187.39	6.47805	1.91E-01	1.95E-01	1.95E-01
3059	480722.06	3851187.39	5.97401	1.76E-01	1.80E-01	1.79E-01
3060	471363.09	3845877.25	0.15401	4.54E-03	4.63E-03	4.63E-03
3061	471863.09	3845877.25	0.12445	3.67E-03	3.74E-03	3.74E-03
3062	472363.09	3845877.25	0.16506	4.86E-03	4.96E-03	4.96E-03
3063	472863.09	3845877.25	0.11578	3.41E-03	3.48E-03	3.48E-03
3064	473363.09	3845877.25	0.10565	3.11E-03	3.18E-03	3.17E-03
3065	473863.09	3845877.25	0.11852	3.49E-03	3.56E-03	3.56E-03
3066	474363.09	3845877.25	0.14078	4.15E-03	4.23E-03	4.23E-03
3067	474863.09	3845877.25	0.14953	4.41E-03	4.50E-03	4.49E-03
3068	475363.09	3845877.25	0.14845	4.37E-03	4.46E-03	4.46E-03
3069	475863.09	3845877.25	0.14774	4.35E-03	4.44E-03	4.44E-03
3070	476363.09	3845877.25	0.13173	3.88E-03	3.96E-03	3.96E-03
3071	476863.09	3845877.25	0.10943	3.22E-03	3.29E-03	3.29E-03
3072	477363.09	3845877.25	0.10784	3.18E-03	3.24E-03	3.24E-03
3073	477863.09	3845877.25	0.08373	2.47E-03	2.52E-03	2.51E-03
3074	478363.09	3845877.25	0.07869	2.32E-03	2.37E-03	2.36E-03
3075	478863.09	3845877.25	0.07659	2.26E-03	2.30E-03	2.30E-03
3076	479363.09	3845877.25	0.07796	2.30E-03	2.34E-03	2.34E-03
3077	479863.09	3845877.25	0.07421	2.19E-03	2.23E-03	2.23E-03
3078	480363.09	3845877.25	0.06106	1.80E-03	1.84E-03	1.83E-03
3079	480863.09	3845877.25	0.06032	1.78E-03	1.81E-03	1.81E-03
3080	481363.09	3845877.25	0.05921	1.74E-03	1.78E-03	1.78E-03
3081	481863.09	3845877.25	0.04961	1.46E-03	1.49E-03	1.49E-03
3082	482363.09	3845877.25	0.04516	1.33E-03	1.36E-03	1.36E-03
3083	482863.09	3845877.25	0.03646	1.07E-03	1.10E-03	1.09E-03

3084	483363.09	3845877.25	0.03131	9.23E-04	9.41E-04	9.40E-04
3085	483863.09	3845877.25	0.03843	1.13E-03	1.16E-03	1.15E-03
3086	484363.09	3845877.25	0.03806	1.12E-03	1.14E-03	1.14E-03
3087	484863.09	3845877.25	0.03708	1.09E-03	1.11E-03	1.11E-03
3088	485363.09	3845877.25	0.03555	1.05E-03	1.07E-03	1.07E-03
3089	485863.09	3845877.25	0.03616	1.07E-03	1.09E-03	1.09E-03
3090	486363.09	3845877.25	0.03511	1.03E-03	1.06E-03	1.05E-03
3091	486863.09	3845877.25	0.033	9.72E-04	9.92E-04	9.91E-04
3092	487363.09	3845877.25	0.03165	9.33E-04	9.52E-04	9.51E-04
3093	487863.09	3845877.25	0.03097	9.13E-04	9.31E-04	9.30E-04
3094	488363.09	3845877.25	0.02965	8.74E-04	8.92E-04	8.90E-04
3095	488863.09	3845877.25	0.03341	9.84E-04	1.00E-03	1.00E-03
3096	489363.09	3845877.25	0.03291	9.70E-04	9.90E-04	9.88E-04
3097	489863.09	3845877.25	0.03038	8.95E-04	9.13E-04	9.12E-04
3098	490363.09	3845877.25	0.02821	8.31E-04	8.48E-04	8.47E-04
3099	490863.09	3845877.25	0.02163	6.37E-04	6.50E-04	6.50E-04
3100	491363.09	3845877.25	0.02485	7.32E-04	7.47E-04	7.46E-04
3101	491863.09	3845877.25	0.02657	7.83E-04	7.99E-04	7.98E-04
3102	492363.09	3845877.25	0.02311	6.81E-04	6.95E-04	6.94E-04
3103	492863.09	3845877.25	0.02758	8.13E-04	8.29E-04	8.28E-04
3104	493363.09	3845877.25	0.02827	8.33E-04	8.50E-04	8.49E-04
3105	493863.09	3845877.25	0.02973	8.76E-04	8.94E-04	8.93E-04
3106	494363.09	3845877.25	0.03123	9.20E-04	9.39E-04	9.38E-04
3107	494863.09	3845877.25	0.03177	9.36E-04	9.55E-04	9.54E-04
3108	495363.09	3845877.25	0.03235	9.53E-04	9.73E-04	9.72E-04
3109	495863.09	3845877.25	0.03403	1.00E-03	1.02E-03	1.02E-03
3110	496363.09	3845877.25	0.03516	1.04E-03	1.06E-03	1.06E-03
3111	496863.09	3845877.25	0.03519	1.04E-03	1.06E-03	1.06E-03
3112	497363.09	3845877.25	0.03519	1.04E-03	1.06E-03	1.06E-03
3113	497863.09	3845877.25	0.03537	1.04E-03	1.06E-03	1.06E-03
3114	498363.09	3845877.25	0.03524	1.04E-03	1.06E-03	1.06E-03
3115	471363.09	3846377.25	0.50963	1.50E-02	1.53E-02	1.53E-02
3116	471863.09	3846377.25	0.40845	1.20E-02	1.23E-02	1.23E-02
3117	472363.09	3846377.25	0.15906	4.69E-03	4.78E-03	4.78E-03
3118	472863.09	3846377.25	0.16815	4.95E-03	5.06E-03	5.05E-03
3119	473363.09	3846377.25	0.14436	4.25E-03	4.34E-03	4.34E-03
3120	473863.09	3846377.25	0.14895	4.39E-03	4.48E-03	4.47E-03
3121	474363.09	3846377.25	0.17268	5.09E-03	5.19E-03	5.19E-03
3122	474863.09	3846377.25	0.18188	5.36E-03	5.47E-03	5.46E-03
3123	475363.09	3846377.25	0.18591	5.48E-03	5.59E-03	5.58E-03
3124	475863.09	3846377.25	0.20007	5.90E-03	6.02E-03	6.01E-03
3125	476363.09	3846377.25	0.18884	5.56E-03	5.68E-03	5.67E-03
3126	476863.09	3846377.25	0.16881	4.97E-03	5.08E-03	5.07E-03
3127	477363.09	3846377.25	0.14057	4.14E-03	4.23E-03	4.22E-03
3128	477863.09	3846377.25	0.11439	3.37E-03	3.44E-03	3.44E-03
3129	478363.09	3846377.25	0.11415	3.36E-03	3.43E-03	3.43E-03
3130	478863.09	3846377.25	0.11911	3.51E-03	3.58E-03	3.58E-03
3131	479363.09	3846377.25	0.11091	3.27E-03	3.33E-03	3.33E-03
3132	479863.09	3846377.25	0.10211	3.01E-03	3.07E-03	3.07E-03
3133	480363.09	3846377.25	0.09439	2.78E-03	2.84E-03	2.83E-03
3134	480863.09	3846377.25	0.08166	2.41E-03	2.46E-03	2.45E-03
3135	481363.09	3846377.25	0.07615	2.24E-03	2.29E-03	2.29E-03
3136	481863.09	3846377.25	0.06569	1.94E-03	1.98E-03	1.97E-03
3137	482363.09	3846377.25	0.05647	1.66E-03	1.70E-03	1.70E-03
3138	482863.09	3846377.25	0.04782	1.41E-03	1.44E-03	1.44E-03
3139	483363.09	3846377.25	0.04988	1.47E-03	1.50E-03	1.50E-03
3140	483863.09	3846377.25	0.04895	1.44E-03	1.47E-03	1.47E-03
3141	484363.09	3846377.25	0.04407	1.30E-03	1.33E-03	1.32E-03
3142	484863.09	3846377.25	0.05195	1.53E-03	1.56E-03	1.56E-03
3143	485363.09	3846377.25	0.05153	1.52E-03	1.55E-03	1.55E-03
3144	485863.09	3846377.25	0.04726	1.39E-03	1.42E-03	1.42E-03
3145	486363.09	3846377.25	0.03839	1.13E-03	1.15E-03	1.15E-03
3146	486863.09	3846377.25	0.03527	1.04E-03	1.06E-03	1.06E-03

3147	487363.09	3846377.25	0.03626	1.07E-03	1.09E-03	1.09E-03
3148	487863.09	3846377.25	0.04216	1.24E-03	1.27E-03	1.27E-03
3149	488363.09	3846377.25	0.0411	1.21E-03	1.24E-03	1.23E-03
3150	488863.09	3846377.25	0.04034	1.19E-03	1.21E-03	1.21E-03
3151	489363.09	3846377.25	0.03957	1.17E-03	1.19E-03	1.19E-03
3152	489863.09	3846377.25	0.03641	1.07E-03	1.09E-03	1.09E-03
3153	490363.09	3846377.25	0.02812	8.29E-04	8.46E-04	8.45E-04
3154	490863.09	3846377.25	0.02641	7.78E-04	7.94E-04	7.93E-04
3155	491363.09	3846377.25	0.02644	7.79E-04	7.95E-04	7.94E-04
3156	491863.09	3846377.25	0.02897	8.54E-04	8.71E-04	8.70E-04
3157	492363.09	3846377.25	0.02801	8.25E-04	8.42E-04	8.41E-04
3158	492863.09	3846377.25	0.02864	8.44E-04	8.61E-04	8.60E-04
3159	493363.09	3846377.25	0.03041	8.96E-04	9.14E-04	9.13E-04
3160	493863.09	3846377.25	0.03202	9.44E-04	9.63E-04	9.62E-04
3161	494363.09	3846377.25	0.03382	9.97E-04	1.02E-03	1.02E-03
3162	494863.09	3846377.25	0.03457	1.02E-03	1.04E-03	1.04E-03
3163	495363.09	3846377.25	0.03496	1.03E-03	1.05E-03	1.05E-03
3164	495863.09	3846377.25	0.03556	1.05E-03	1.07E-03	1.07E-03
3165	496363.09	3846377.25	0.03668	1.08E-03	1.10E-03	1.10E-03
3166	496863.09	3846377.25	0.03756	1.11E-03	1.13E-03	1.13E-03
3167	497363.09	3846377.25	0.03781	1.11E-03	1.14E-03	1.14E-03
3168	497863.09	3846377.25	0.03766	1.11E-03	1.13E-03	1.13E-03
3169	498363.09	3846377.25	0.03699	1.09E-03	1.11E-03	1.11E-03
3170	471363.09	3846877.25	0.54573	1.61E-02	1.64E-02	1.64E-02
3171	471863.09	3846877.25	0.57342	1.69E-02	1.72E-02	1.72E-02
3172	472363.09	3846877.25	0.67777	2.00E-02	2.04E-02	2.04E-02
3173	472863.09	3846877.25	0.20571	6.06E-03	6.19E-03	6.18E-03
3174	473363.09	3846877.25	0.20793	6.13E-03	6.25E-03	6.24E-03
3175	473863.09	3846877.25	0.23834	7.02E-03	7.17E-03	7.16E-03
3176	474363.09	3846877.25	0.22057	6.50E-03	6.63E-03	6.62E-03
3177	474863.09	3846877.25	0.19469	5.74E-03	5.85E-03	5.85E-03
3178	475363.09	3846877.25	0.18932	5.58E-03	5.69E-03	5.69E-03
3179	475863.09	3846877.25	0.2553	7.52E-03	7.68E-03	7.67E-03
3180	476363.09	3846877.25	0.25125	7.40E-03	7.55E-03	7.55E-03
3181	476863.09	3846877.25	0.22835	6.73E-03	6.87E-03	6.86E-03
3182	477363.09	3846877.25	0.21495	6.33E-03	6.46E-03	6.46E-03
3183	477863.09	3846877.25	0.18984	5.59E-03	5.71E-03	5.70E-03
3184	478363.09	3846877.25	0.17128	5.05E-03	5.15E-03	5.14E-03
3185	478863.09	3846877.25	0.16474	4.85E-03	4.95E-03	4.95E-03
3186	479363.09	3846877.25	0.1541	4.54E-03	4.63E-03	4.63E-03
3187	479863.09	3846877.25	0.11405	3.36E-03	3.43E-03	3.43E-03
3188	480363.09	3846877.25	0.09134	2.69E-03	2.75E-03	2.74E-03
3189	480863.09	3846877.25	0.08038	2.37E-03	2.42E-03	2.41E-03
3190	481363.09	3846877.25	0.08589	2.53E-03	2.58E-03	2.58E-03
3191	481863.09	3846877.25	0.08421	2.48E-03	2.53E-03	2.53E-03
3192	482363.09	3846877.25	0.07294	2.15E-03	2.19E-03	2.19E-03
3193	482863.09	3846877.25	0.07211	2.12E-03	2.17E-03	2.17E-03
3194	483363.09	3846877.25	0.0697	2.05E-03	2.10E-03	2.09E-03
3195	483863.09	3846877.25	0.06672	1.97E-03	2.01E-03	2.00E-03
3196	484363.09	3846877.25	0.06503	1.92E-03	1.96E-03	1.95E-03
3197	484863.09	3846877.25	0.06187	1.82E-03	1.86E-03	1.86E-03
3198	485363.09	3846877.25	0.06256	1.84E-03	1.88E-03	1.88E-03
3199	485863.09	3846877.25	0.0593	1.75E-03	1.78E-03	1.78E-03
3200	486363.09	3846877.25	0.06227	1.83E-03	1.87E-03	1.87E-03
3201	486863.09	3846877.25	0.05067	1.49E-03	1.52E-03	1.52E-03
3202	487363.09	3846877.25	0.05077	1.50E-03	1.53E-03	1.52E-03
3203	487863.09	3846877.25	0.04969	1.46E-03	1.49E-03	1.49E-03
3204	488363.09	3846877.25	0.04752	1.40E-03	1.43E-03	1.43E-03
3205	488863.09	3846877.25	0.04598	1.35E-03	1.38E-03	1.38E-03
3206	489363.09	3846877.25	0.04478	1.32E-03	1.35E-03	1.34E-03
3207	489863.09	3846877.25	0.04178	1.23E-03	1.26E-03	1.25E-03
3208	490363.09	3846877.25	0.03373	9.94E-04	1.01E-03	1.01E-03
3209	490863.09	3846877.25	0.03155	9.30E-04	9.49E-04	9.48E-04

3210	491363.09	3846877.25	0.03111	9.17E-04	9.35E-04	9.34E-04
3211	491863.09	3846877.25	0.02848	8.39E-04	8.56E-04	8.55E-04
3212	492363.09	3846877.25	0.03362	9.91E-04	1.01E-03	1.01E-03
3213	492863.09	3846877.25	0.03334	9.82E-04	1.00E-03	1.00E-03
3214	493363.09	3846877.25	0.03476	1.02E-03	1.05E-03	1.04E-03
3215	493863.09	3846877.25	0.03506	1.03E-03	1.05E-03	1.05E-03
3216	494363.09	3846877.25	0.03497	1.03E-03	1.05E-03	1.05E-03
3217	494863.09	3846877.25	0.03522	1.04E-03	1.06E-03	1.06E-03
3218	495363.09	3846877.25	0.03534	1.04E-03	1.06E-03	1.06E-03
3219	495863.09	3846877.25	0.03595	1.06E-03	1.08E-03	1.08E-03
3220	496363.09	3846877.25	0.03691	1.09E-03	1.11E-03	1.11E-03
3221	496863.09	3846877.25	0.03766	1.11E-03	1.13E-03	1.13E-03
3222	497363.09	3846877.25	0.0388	1.14E-03	1.17E-03	1.17E-03
3223	497863.09	3846877.25	0.03982	1.17E-03	1.20E-03	1.20E-03
3224	498363.09	3846877.25	0.0392	1.16E-03	1.18E-03	1.18E-03
3225	471363.09	3847377.25	0.48538	1.43E-02	1.46E-02	1.46E-02
3226	471863.09	3847377.25	0.61264	1.81E-02	1.84E-02	1.84E-02
3227	472363.09	3847377.25	0.75383	2.22E-02	2.27E-02	2.26E-02
3228	472863.09	3847377.25	0.8649	2.55E-02	2.60E-02	2.60E-02
3229	473363.09	3847377.25	0.49405	1.46E-02	1.49E-02	1.48E-02
3230	473863.09	3847377.25	0.34906	1.03E-02	1.05E-02	1.05E-02
3231	474363.09	3847377.25	0.3904	1.15E-02	1.17E-02	1.17E-02
3232	474863.09	3847377.25	0.30929	9.11E-03	9.30E-03	9.29E-03
3233	475363.09	3847377.25	0.25678	7.57E-03	7.72E-03	7.71E-03
3234	475863.09	3847377.25	0.34223	1.01E-02	1.03E-02	1.03E-02
3235	476363.09	3847377.25	0.45633	1.34E-02	1.37E-02	1.37E-02
3236	476863.09	3847377.25	0.38163	1.12E-02	1.15E-02	1.15E-02
3237	477363.09	3847377.25	0.35693	1.05E-02	1.07E-02	1.07E-02
3238	477863.09	3847377.25	0.29848	8.80E-03	8.97E-03	8.96E-03
3239	478363.09	3847377.25	0.26299	7.75E-03	7.91E-03	7.90E-03
3240	478863.09	3847377.25	0.24835	7.32E-03	7.47E-03	7.46E-03
3241	479363.09	3847377.25	0.18065	5.32E-03	5.43E-03	5.43E-03
3242	479863.09	3847377.25	0.11823	3.48E-03	3.55E-03	3.55E-03
3243	480363.09	3847377.25	0.08743	2.58E-03	2.63E-03	2.63E-03
3244	480863.09	3847377.25	0.07795	2.30E-03	2.34E-03	2.34E-03
3245	481363.09	3847377.25	0.08734	2.57E-03	2.63E-03	2.62E-03
3246	481863.09	3847377.25	0.10842	3.19E-03	3.26E-03	3.26E-03
3247	482363.09	3847377.25	0.10417	3.07E-03	3.13E-03	3.13E-03
3248	482863.09	3847377.25	0.09591	2.83E-03	2.88E-03	2.88E-03
3249	483363.09	3847377.25	0.08787	2.59E-03	2.64E-03	2.64E-03
3250	483863.09	3847377.25	0.08498	2.50E-03	2.56E-03	2.55E-03
3251	484363.09	3847377.25	0.08897	2.62E-03	2.68E-03	2.67E-03
3252	484863.09	3847377.25	0.08258	2.43E-03	2.48E-03	2.48E-03
3253	485363.09	3847377.25	0.08113	2.39E-03	2.44E-03	2.44E-03
3254	485863.09	3847377.25	0.08119	2.39E-03	2.44E-03	2.44E-03
3255	486363.09	3847377.25	0.07982	2.35E-03	2.40E-03	2.40E-03
3256	486863.09	3847377.25	0.06761	1.99E-03	2.03E-03	2.03E-03
3257	487363.09	3847377.25	0.0664	1.96E-03	2.00E-03	1.99E-03
3258	487863.09	3847377.25	0.0604	1.78E-03	1.82E-03	1.81E-03
3259	488363.09	3847377.25	0.05626	1.66E-03	1.69E-03	1.69E-03
3260	488863.09	3847377.25	0.05444	1.60E-03	1.64E-03	1.63E-03
3261	489363.09	3847377.25	0.05238	1.54E-03	1.57E-03	1.57E-03
3262	489863.09	3847377.25	0.04506	1.33E-03	1.35E-03	1.35E-03
3263	490363.09	3847377.25	0.04102	1.21E-03	1.23E-03	1.23E-03
3264	490863.09	3847377.25	0.03986	1.17E-03	1.20E-03	1.20E-03
3265	491363.09	3847377.25	0.0382	1.13E-03	1.15E-03	1.15E-03
3266	491863.09	3847377.25	0.04006	1.18E-03	1.20E-03	1.20E-03
3267	492363.09	3847377.25	0.0387	1.14E-03	1.16E-03	1.16E-03
3268	492863.09	3847377.25	0.03919	1.15E-03	1.18E-03	1.18E-03
3269	493363.09	3847377.25	0.03912	1.15E-03	1.18E-03	1.17E-03
3270	493863.09	3847377.25	0.03755	1.11E-03	1.13E-03	1.13E-03
3271	494363.09	3847377.25	0.03657	1.08E-03	1.10E-03	1.10E-03
3272	494863.09	3847377.25	0.03628	1.07E-03	1.09E-03	1.09E-03

3273	495363.09	3847377.25	0.036	1.06E-03	1.08E-03	1.08E-03
3274	495863.09	3847377.25	0.03621	1.07E-03	1.09E-03	1.09E-03
3275	496363.09	3847377.25	0.03606	1.06E-03	1.08E-03	1.08E-03
3276	496863.09	3847377.25	0.03756	1.11E-03	1.13E-03	1.13E-03
3277	497363.09	3847377.25	0.03951	1.16E-03	1.19E-03	1.19E-03
3278	497863.09	3847377.25	0.04252	1.25E-03	1.28E-03	1.28E-03
3279	498363.09	3847377.25	0.04275	1.26E-03	1.29E-03	1.28E-03
3280	471363.09	3847877.25	0.49486	1.46E-02	1.49E-02	1.49E-02
3281	471863.09	3847877.25	0.5461	1.61E-02	1.64E-02	1.64E-02
3282	472363.09	3847877.25	0.69969	2.06E-02	2.10E-02	2.10E-02
3283	472863.09	3847877.25	0.90503	2.67E-02	2.72E-02	2.72E-02
3284	473363.09	3847877.25	1.31359	3.87E-02	3.95E-02	3.95E-02
3285	473863.09	3847877.25	6.0008	1.77E-01	1.80E-01	1.80E-01
3286	474363.09	3847877.25	0.82608	2.43E-02	2.48E-02	2.48E-02
3287	474863.09	3847877.25	0.82864	2.44E-02	2.49E-02	2.49E-02
3288	475363.09	3847877.25	0.56489	1.66E-02	1.70E-02	1.70E-02
3289	475863.09	3847877.25	0.44487	1.31E-02	1.34E-02	1.34E-02
3290	476363.09	3847877.25	0.66719	1.97E-02	2.01E-02	2.00E-02
3291	476863.09	3847877.25	0.64277	1.89E-02	1.93E-02	1.93E-02
3292	477363.09	3847877.25	0.55504	1.64E-02	1.67E-02	1.67E-02
3293	477863.09	3847877.25	0.49323	1.45E-02	1.48E-02	1.48E-02
3294	478363.09	3847877.25	0.39571	1.17E-02	1.19E-02	1.19E-02
3295	478863.09	3847877.25	0.35207	1.04E-02	1.06E-02	1.06E-02
3296	479363.09	3847877.25	0.21843	6.44E-03	6.57E-03	6.56E-03
3297	479863.09	3847877.25	0.11983	3.53E-03	3.60E-03	3.60E-03
3298	480363.09	3847877.25	0.12532	3.69E-03	3.77E-03	3.76E-03
3299	480863.09	3847877.25	0.10886	3.21E-03	3.27E-03	3.27E-03
3300	481363.09	3847877.25	0.10601	3.12E-03	3.19E-03	3.18E-03
3301	481863.09	3847877.25	0.14956	4.41E-03	4.50E-03	4.49E-03
3302	482363.09	3847877.25	0.13772	4.06E-03	4.14E-03	4.14E-03
3303	482863.09	3847877.25	0.12037	3.55E-03	3.62E-03	3.62E-03
3304	483363.09	3847877.25	0.10813	3.19E-03	3.25E-03	3.25E-03
3305	483863.09	3847877.25	0.10357	3.05E-03	3.11E-03	3.11E-03
3306	484363.09	3847877.25	0.1054	3.11E-03	3.17E-03	3.17E-03
3307	484863.09	3847877.25	0.10369	3.06E-03	3.12E-03	3.11E-03
3308	485363.09	3847877.25	0.10409	3.07E-03	3.13E-03	3.13E-03
3309	485863.09	3847877.25	0.10278	3.03E-03	3.09E-03	3.09E-03
3310	486363.09	3847877.25	0.09157	2.70E-03	2.75E-03	2.75E-03
3311	486863.09	3847877.25	0.08255	2.43E-03	2.48E-03	2.48E-03
3312	487363.09	3847877.25	0.07651	2.25E-03	2.30E-03	2.30E-03
3313	487863.09	3847877.25	0.06995	2.06E-03	2.10E-03	2.10E-03
3314	488363.09	3847877.25	0.06444	1.90E-03	1.94E-03	1.94E-03
3315	488863.09	3847877.25	0.06255	1.84E-03	1.88E-03	1.88E-03
3316	489363.09	3847877.25	0.0609	1.79E-03	1.83E-03	1.83E-03
3317	489863.09	3847877.25	0.0613	1.81E-03	1.84E-03	1.84E-03
3318	490363.09	3847877.25	0.05727	1.69E-03	1.72E-03	1.72E-03
3319	490863.09	3847877.25	0.05305	1.56E-03	1.60E-03	1.59E-03
3320	491363.09	3847877.25	0.04841	1.43E-03	1.46E-03	1.45E-03
3321	491863.09	3847877.25	0.04688	1.38E-03	1.41E-03	1.41E-03
3322	492363.09	3847877.25	0.0457	1.35E-03	1.37E-03	1.37E-03
3323	492863.09	3847877.25	0.04384	1.29E-03	1.32E-03	1.32E-03
3324	493363.09	3847877.25	0.04053	1.19E-03	1.22E-03	1.22E-03
3325	493863.09	3847877.25	0.03841	1.13E-03	1.15E-03	1.15E-03
3326	494363.09	3847877.25	0.03708	1.09E-03	1.11E-03	1.11E-03
3327	494863.09	3847877.25	0.03578	1.05E-03	1.08E-03	1.07E-03
3328	495363.09	3847877.25	0.03387	9.98E-04	1.02E-03	1.02E-03
3329	495863.09	3847877.25	0.02965	8.74E-04	8.92E-04	8.90E-04
3330	496363.09	3847877.25	0.03478	1.02E-03	1.05E-03	1.04E-03
3331	496863.09	3847877.25	0.03591	1.06E-03	1.08E-03	1.08E-03
3332	497363.09	3847877.25	0.03825	1.13E-03	1.15E-03	1.15E-03
3333	497863.09	3847877.25	0.04561	1.34E-03	1.37E-03	1.37E-03
3334	498363.09	3847877.25	0.04821	1.42E-03	1.45E-03	1.45E-03
3335	471363.09	3848377.25	0.5375	1.58E-02	1.62E-02	1.61E-02

3336	471863.09	3848377.25	0.62038	1.83E-02	1.87E-02	1.86E-02
3337	472363.09	3848377.25	0.72285	2.13E-02	2.17E-02	2.17E-02
3338	472863.09	3848377.25	0.90139	2.66E-02	2.71E-02	2.71E-02
3339	473363.09	3848377.25	1.29866	3.83E-02	3.90E-02	3.90E-02
3340	473863.09	3848377.25	2.01726	5.94E-02	6.07E-02	6.06E-02
3341	474363.09	3848377.25	5.08858	1.50E-01	1.53E-01	1.53E-01
3342	474863.09	3848377.25	2.04376	6.02E-02	6.15E-02	6.14E-02
3343	475363.09	3848377.25	1.88162	5.54E-02	5.66E-02	5.65E-02
3344	475863.09	3848377.25	1.09264	3.22E-02	3.29E-02	3.28E-02
3345	476363.09	3848377.25	0.72494	2.14E-02	2.18E-02	2.18E-02
3346	476863.09	3848377.25	0.94593	2.79E-02	2.84E-02	2.84E-02
3347	477363.09	3848377.25	0.87549	2.58E-02	2.63E-02	2.63E-02
3348	477863.09	3848377.25	0.76599	2.26E-02	2.30E-02	2.30E-02
3349	478363.09	3848377.25	0.61797	1.82E-02	1.86E-02	1.86E-02
3350	478863.09	3848377.25	0.47324	1.39E-02	1.42E-02	1.42E-02
3351	479363.09	3848377.25	0.31453	9.27E-03	9.46E-03	9.45E-03
3352	479863.09	3848377.25	0.10286	3.03E-03	3.09E-03	3.09E-03
3353	480363.09	3848377.25	0.14133	4.16E-03	4.25E-03	4.24E-03
3354	480863.09	3848377.25	0.20337	5.99E-03	6.11E-03	6.11E-03
3355	481363.09	3848377.25	0.19984	5.89E-03	6.01E-03	6.00E-03
3356	481863.09	3848377.25	0.20532	6.05E-03	6.17E-03	6.17E-03
3357	482363.09	3848377.25	0.19645	5.79E-03	5.91E-03	5.90E-03
3358	482863.09	3848377.25	0.15819	4.66E-03	4.76E-03	4.75E-03
3359	483363.09	3848377.25	0.1444	4.25E-03	4.34E-03	4.34E-03
3360	483863.09	3848377.25	0.12533	3.69E-03	3.77E-03	3.76E-03
3361	484363.09	3848377.25	0.12183	3.59E-03	3.66E-03	3.66E-03
3362	484863.09	3848377.25	0.13554	3.99E-03	4.08E-03	4.07E-03
3363	485363.09	3848377.25	0.1275	3.76E-03	3.83E-03	3.83E-03
3364	485863.09	3848377.25	0.1224	3.61E-03	3.68E-03	3.68E-03
3365	486363.09	3848377.25	0.11462	3.38E-03	3.45E-03	3.44E-03
3366	486863.09	3848377.25	0.10044	2.96E-03	3.02E-03	3.02E-03
3367	487363.09	3848377.25	0.08489	2.50E-03	2.55E-03	2.55E-03
3368	487863.09	3848377.25	0.08186	2.41E-03	2.46E-03	2.46E-03
3369	488363.09	3848377.25	0.07798	2.30E-03	2.34E-03	2.34E-03
3370	488863.09	3848377.25	0.07531	2.22E-03	2.26E-03	2.26E-03
3371	489363.09	3848377.25	0.07405	2.18E-03	2.23E-03	2.22E-03
3372	489863.09	3848377.25	0.07507	2.21E-03	2.26E-03	2.25E-03
3373	490363.09	3848377.25	0.07169	2.11E-03	2.16E-03	2.15E-03
3374	490863.09	3848377.25	0.06436	1.90E-03	1.94E-03	1.93E-03
3375	491363.09	3848377.25	0.05902	1.74E-03	1.77E-03	1.77E-03
3376	491863.09	3848377.25	0.055	1.62E-03	1.65E-03	1.65E-03
3377	492363.09	3848377.25	0.04807	1.42E-03	1.45E-03	1.44E-03
3378	492863.09	3848377.25	0.04229	1.25E-03	1.27E-03	1.27E-03
3379	493363.09	3848377.25	0.0396	1.17E-03	1.19E-03	1.19E-03
3380	493863.09	3848377.25	0.03679	1.08E-03	1.11E-03	1.10E-03
3381	494363.09	3848377.25	0.03475	1.02E-03	1.04E-03	1.04E-03
3382	494863.09	3848377.25	0.0345	1.02E-03	1.04E-03	1.04E-03
3383	495363.09	3848377.25	0.03072	9.05E-04	9.24E-04	9.23E-04
3384	495863.09	3848377.25	0.02973	8.76E-04	8.94E-04	8.93E-04
3385	496363.09	3848377.25	0.03122	9.20E-04	9.39E-04	9.38E-04
3386	496863.09	3848377.25	0.02986	8.80E-04	8.98E-04	8.97E-04
3387	497363.09	3848377.25	0.03369	9.93E-04	1.01E-03	1.01E-03
3388	497863.09	3848377.25	0.04962	1.46E-03	1.49E-03	1.49E-03
3389	498363.09	3848377.25	0.05044	1.49E-03	1.52E-03	1.51E-03
3390	471363.09	3848877.25	0.52245	1.54E-02	1.57E-02	1.57E-02
3391	471863.09	3848877.25	0.62444	1.84E-02	1.88E-02	1.88E-02
3392	472363.09	3848877.25	0.72888	2.15E-02	2.19E-02	2.19E-02
3393	472863.09	3848877.25	0.87612	2.58E-02	2.63E-02	2.63E-02
3394	473363.09	3848877.25	1.07085	3.16E-02	3.22E-02	3.22E-02
3395	473863.09	3848877.25	1.49074	4.39E-02	4.48E-02	4.48E-02
3396	474363.09	3848877.25	2.09257	6.17E-02	6.29E-02	6.28E-02
3397	474863.09	3848877.25	4.90122	1.44E-01	1.47E-01	1.47E-01
3398	475363.09	3848877.25	4.28309	1.26E-01	1.29E-01	1.29E-01

3399	475863.09	3848877.25	2.66556	7.85E-02	8.01E-02	8.01E-02
3400	476363.09	3848877.25	1.76859	5.21E-02	5.32E-02	5.31E-02
3401	476863.09	3848877.25	1.23723	3.65E-02	3.72E-02	3.72E-02
3402	477363.09	3848877.25	1.52185	4.48E-02	4.58E-02	4.57E-02
3403	477863.09	3848877.25	1.17927	3.47E-02	3.55E-02	3.54E-02
3404	478363.09	3848877.25	0.99536	2.93E-02	2.99E-02	2.99E-02
3405	478863.09	3848877.25	0.79337	2.34E-02	2.39E-02	2.38E-02
3406	479363.09	3848877.25	0.54529	1.61E-02	1.64E-02	1.64E-02
3407	479863.09	3848877.25	0.39365	1.16E-02	1.18E-02	1.18E-02
3408	480363.09	3848877.25	0.38219	1.13E-02	1.15E-02	1.15E-02
3409	480863.09	3848877.25	0.369	1.09E-02	1.11E-02	1.11E-02
3410	481363.09	3848877.25	0.32915	9.70E-03	9.90E-03	9.89E-03
3411	481863.09	3848877.25	0.25864	7.62E-03	7.78E-03	7.77E-03
3412	482363.09	3848877.25	0.18851	5.55E-03	5.67E-03	5.66E-03
3413	482863.09	3848877.25	0.15751	4.64E-03	4.74E-03	4.73E-03
3414	483363.09	3848877.25	0.12909	3.80E-03	3.88E-03	3.88E-03
3415	483863.09	3848877.25	0.12221	3.60E-03	3.67E-03	3.67E-03
3416	484363.09	3848877.25	0.14833	4.37E-03	4.46E-03	4.45E-03
3417	484863.09	3848877.25	0.17068	5.03E-03	5.13E-03	5.13E-03
3418	485363.09	3848877.25	0.1622	4.78E-03	4.88E-03	4.87E-03
3419	485863.09	3848877.25	0.15383	4.53E-03	4.63E-03	4.62E-03
3420	486363.09	3848877.25	0.14167	4.17E-03	4.26E-03	4.25E-03
3421	486863.09	3848877.25	0.12431	3.66E-03	3.74E-03	3.73E-03
3422	487363.09	3848877.25	0.1183	3.49E-03	3.56E-03	3.55E-03
3423	487863.09	3848877.25	0.10112	2.98E-03	3.04E-03	3.04E-03
3424	488363.09	3848877.25	0.09593	2.83E-03	2.88E-03	2.88E-03
3425	488863.09	3848877.25	0.09077	2.67E-03	2.73E-03	2.73E-03
3426	489363.09	3848877.25	0.08864	2.61E-03	2.67E-03	2.66E-03
3427	489863.09	3848877.25	0.08675	2.56E-03	2.61E-03	2.61E-03
3428	490363.09	3848877.25	0.08018	2.36E-03	2.41E-03	2.41E-03
3429	490863.09	3848877.25	0.07259	2.14E-03	2.18E-03	2.18E-03
3430	491363.09	3848877.25	0.06763	1.99E-03	2.03E-03	2.03E-03
3431	491863.09	3848877.25	0.05577	1.64E-03	1.68E-03	1.67E-03
3432	492363.09	3848877.25	0.0475	1.40E-03	1.43E-03	1.43E-03
3433	492863.09	3848877.25	0.04099	1.21E-03	1.23E-03	1.23E-03
3434	493363.09	3848877.25	0.03544	1.04E-03	1.07E-03	1.06E-03
3435	493863.09	3848877.25	0.03518	1.04E-03	1.06E-03	1.06E-03
3436	494363.09	3848877.25	0.03307	9.74E-04	9.94E-04	9.93E-04
3437	494863.09	3848877.25	0.03283	9.67E-04	9.87E-04	9.86E-04
3438	495363.09	3848877.25	0.03286	9.68E-04	9.88E-04	9.87E-04
3439	495863.09	3848877.25	0.02872	8.46E-04	8.64E-04	8.63E-04
3440	496363.09	3848877.25	0.02874	8.47E-04	8.64E-04	8.63E-04
3441	496863.09	3848877.25	0.03256	9.59E-04	9.79E-04	9.78E-04
3442	497363.09	3848877.25	0.04433	1.31E-03	1.33E-03	1.33E-03
3443	497863.09	3848877.25	0.04915	1.45E-03	1.48E-03	1.48E-03
3444	498363.09	3848877.25	0.05266	1.55E-03	1.58E-03	1.58E-03
3445	471363.09	3849377.25	0.44471	1.31E-02	1.34E-02	1.34E-02
3446	471863.09	3849377.25	0.54551	1.61E-02	1.64E-02	1.64E-02
3447	472363.09	3849377.25	0.65366	1.93E-02	1.97E-02	1.96E-02
3448	472863.09	3849377.25	0.80145	2.36E-02	2.41E-02	2.41E-02
3449	473363.09	3849377.25	0.96059	2.83E-02	2.89E-02	2.88E-02
3450	473863.09	3849377.25	1.14471	3.37E-02	3.44E-02	3.44E-02
3451	474363.09	3849377.25	1.41616	4.17E-02	4.26E-02	4.25E-02
3452	474863.09	3849377.25	1.79427	5.29E-02	5.40E-02	5.39E-02
3453	475363.09	3849377.25	2.58832	7.63E-02	7.78E-02	7.77E-02
3454	475863.09	3849377.25	3.29647	9.71E-02	9.91E-02	9.90E-02
3455	476363.09	3849377.25	4.72428	1.39E-01	1.42E-01	1.42E-01
3456	476863.09	3849377.25	8.25495	2.43E-01	2.48E-01	2.48E-01
3457	477363.09	3849377.25	3.35687	9.89E-02	1.01E-01	1.01E-01
3458	477863.09	3849377.25	2.33442	6.88E-02	7.02E-02	7.01E-02
3459	478363.09	3849377.25	1.74169	5.13E-02	5.24E-02	5.23E-02
3460	478863.09	3849377.25	1.23332	3.63E-02	3.71E-02	3.70E-02
3461	479363.09	3849377.25	0.95804	2.82E-02	2.88E-02	2.88E-02

3462	479863.09	3849377.25	0.64455	1.90E-02	1.94E-02	1.94E-02
3463	480363.09	3849377.25	0.62428	1.84E-02	1.88E-02	1.87E-02
3464	480863.09	3849377.25	0.52318	1.54E-02	1.57E-02	1.57E-02
3465	481363.09	3849377.25	0.39633	1.17E-02	1.19E-02	1.19E-02
3466	481863.09	3849377.25	0.26186	7.72E-03	7.87E-03	7.86E-03
3467	482363.09	3849377.25	0.21003	6.19E-03	6.32E-03	6.31E-03
3468	482863.09	3849377.25	0.158	4.66E-03	4.75E-03	4.75E-03
3469	483363.09	3849377.25	0.13929	4.10E-03	4.19E-03	4.18E-03
3470	483863.09	3849377.25	0.10929	3.22E-03	3.29E-03	3.28E-03
3471	484363.09	3849377.25	0.17486	5.15E-03	5.26E-03	5.25E-03
3472	484863.09	3849377.25	0.22057	6.50E-03	6.63E-03	6.62E-03
3473	485363.09	3849377.25	0.21047	6.20E-03	6.33E-03	6.32E-03
3474	485863.09	3849377.25	0.1509	4.45E-03	4.54E-03	4.53E-03
3475	486363.09	3849377.25	0.10915	3.22E-03	3.28E-03	3.28E-03
3476	486863.09	3849377.25	0.13681	4.03E-03	4.11E-03	4.11E-03
3477	487363.09	3849377.25	0.13689	4.03E-03	4.12E-03	4.11E-03
3478	487863.09	3849377.25	0.12908	3.80E-03	3.88E-03	3.88E-03
3479	488363.09	3849377.25	0.12156	3.58E-03	3.66E-03	3.65E-03
3480	488863.09	3849377.25	0.11705	3.45E-03	3.52E-03	3.52E-03
3481	489363.09	3849377.25	0.11275	3.32E-03	3.39E-03	3.39E-03
3482	489863.09	3849377.25	0.10416	3.07E-03	3.13E-03	3.13E-03
3483	490363.09	3849377.25	0.08688	2.56E-03	2.61E-03	2.61E-03
3484	490863.09	3849377.25	0.08027	2.37E-03	2.41E-03	2.41E-03
3485	491363.09	3849377.25	0.07201	2.12E-03	2.17E-03	2.16E-03
3486	491863.09	3849377.25	0.06165	1.82E-03	1.85E-03	1.85E-03
3487	492363.09	3849377.25	0.05184	1.53E-03	1.56E-03	1.56E-03
3488	492863.09	3849377.25	0.04148	1.22E-03	1.25E-03	1.25E-03
3489	493363.09	3849377.25	0.03846	1.13E-03	1.16E-03	1.16E-03
3490	493863.09	3849377.25	0.0363	1.07E-03	1.09E-03	1.09E-03
3491	494363.09	3849377.25	0.0368	1.08E-03	1.11E-03	1.11E-03
3492	494863.09	3849377.25	0.0429	1.26E-03	1.29E-03	1.29E-03
3493	495363.09	3849377.25	0.04405	1.30E-03	1.32E-03	1.32E-03
3494	495863.09	3849377.25	0.03087	9.10E-04	9.28E-04	9.27E-04
3495	496363.09	3849377.25	0.02834	8.35E-04	8.52E-04	8.51E-04
3496	496863.09	3849377.25	0.04163	1.23E-03	1.25E-03	1.25E-03
3497	497363.09	3849377.25	0.04421	1.30E-03	1.33E-03	1.33E-03
3498	497863.09	3849377.25	0.06026	1.78E-03	1.81E-03	1.81E-03
3499	498363.09	3849377.25	0.05526	1.63E-03	1.66E-03	1.66E-03
3500	471363.09	3849877.25	0.34541	1.02E-02	1.04E-02	1.04E-02
3501	471863.09	3849877.25	0.47255	1.39E-02	1.42E-02	1.42E-02
3502	472363.09	3849877.25	0.57535	1.70E-02	1.73E-02	1.73E-02
3503	472863.09	3849877.25	0.66031	1.95E-02	1.99E-02	1.98E-02
3504	473363.09	3849877.25	0.76267	2.25E-02	2.29E-02	2.29E-02
3505	473863.09	3849877.25	0.9194	2.71E-02	2.76E-02	2.76E-02
3506	474363.09	3849877.25	1.05102	3.10E-02	3.16E-02	3.16E-02
3507	474863.09	3849877.25	1.22267	3.60E-02	3.68E-02	3.67E-02
3508	475363.09	3849877.25	1.37053	4.04E-02	4.12E-02	4.12E-02
3509	475863.09	3849877.25	1.60834	4.74E-02	4.84E-02	4.83E-02
3510	476363.09	3849877.25	1.8999	5.60E-02	5.71E-02	5.71E-02
3511	476863.09	3849877.25	2.42407	7.14E-02	7.29E-02	7.28E-02
3512	477363.09	3849877.25	4.11914	1.21E-01	1.24E-01	1.24E-01
3513	477863.09	3849877.25	8.48535	2.50E-01	2.55E-01	2.55E-01
3514	478363.09	3849877.25	3.70185	1.09E-01	1.11E-01	1.11E-01
3515	478863.09	3849877.25	2.46997	7.28E-02	7.43E-02	7.42E-02
3516	479363.09	3849877.25	1.69763	5.00E-02	5.10E-02	5.10E-02
3517	479863.09	3849877.25	1.34942	3.98E-02	4.06E-02	4.05E-02
3518	480363.09	3849877.25	1.00062	2.95E-02	3.01E-02	3.01E-02
3519	480863.09	3849877.25	0.7252	2.14E-02	2.18E-02	2.18E-02
3520	481363.09	3849877.25	0.54593	1.61E-02	1.64E-02	1.64E-02
3521	481863.09	3849877.25	0.29292	8.63E-03	8.81E-03	8.80E-03
3522	482363.09	3849877.25	0.22868	6.74E-03	6.88E-03	6.87E-03
3523	482863.09	3849877.25	0.18232	5.37E-03	5.48E-03	5.48E-03
3524	483363.09	3849877.25	0.14785	4.36E-03	4.45E-03	4.44E-03

3525	483863.09	3849877.25	0.14242	4.20E-03	4.28E-03	4.28E-03
3526	484363.09	3849877.25	0.20004	5.89E-03	6.01E-03	6.01E-03
3527	484863.09	3849877.25	0.2616	7.71E-03	7.87E-03	7.86E-03
3528	485363.09	3849877.25	0.2335	6.88E-03	7.02E-03	7.01E-03
3529	485863.09	3849877.25	0.18501	5.45E-03	5.56E-03	5.56E-03
3530	486363.09	3849877.25	0.15773	4.65E-03	4.74E-03	4.74E-03
3531	486863.09	3849877.25	0.16765	4.94E-03	5.04E-03	5.03E-03
3532	487363.09	3849877.25	0.15883	4.68E-03	4.78E-03	4.77E-03
3533	487863.09	3849877.25	0.14643	4.31E-03	4.40E-03	4.40E-03
3534	488363.09	3849877.25	0.13798	4.07E-03	4.15E-03	4.14E-03
3535	488863.09	3849877.25	0.13163	3.88E-03	3.96E-03	3.95E-03
3536	489363.09	3849877.25	0.12258	3.61E-03	3.69E-03	3.68E-03
3537	489863.09	3849877.25	0.10917	3.22E-03	3.28E-03	3.28E-03
3538	490363.09	3849877.25	0.09679	2.85E-03	2.91E-03	2.91E-03
3539	490863.09	3849877.25	0.08788	2.59E-03	2.64E-03	2.64E-03
3540	491363.09	3849877.25	0.0785	2.31E-03	2.36E-03	2.36E-03
3541	491863.09	3849877.25	0.06547	1.93E-03	1.97E-03	1.97E-03
3542	492363.09	3849877.25	0.05832	1.72E-03	1.75E-03	1.75E-03
3543	492863.09	3849877.25	0.05042	1.49E-03	1.52E-03	1.51E-03
3544	493363.09	3849877.25	0.04315	1.27E-03	1.30E-03	1.30E-03
3545	493863.09	3849877.25	0.03847	1.13E-03	1.16E-03	1.16E-03
3546	494363.09	3849877.25	0.04708	1.39E-03	1.42E-03	1.41E-03
3547	494863.09	3849877.25	0.05259	1.55E-03	1.58E-03	1.58E-03
3548	495363.09	3849877.25	0.04334	1.28E-03	1.30E-03	1.30E-03
3549	495863.09	3849877.25	0.04917	1.45E-03	1.48E-03	1.48E-03
3550	496363.09	3849877.25	0.04961	1.46E-03	1.49E-03	1.49E-03
3551	496863.09	3849877.25	0.04925	1.45E-03	1.48E-03	1.48E-03
3552	497363.09	3849877.25	0.06052	1.78E-03	1.82E-03	1.82E-03
3553	497863.09	3849877.25	0.06348	1.87E-03	1.91E-03	1.91E-03
3554	498363.09	3849877.25	0.05794	1.71E-03	1.74E-03	1.74E-03
3555	471363.09	3850377.25	0.16981	5.00E-03	5.11E-03	5.10E-03
3556	471863.09	3850377.25	0.3574	1.05E-02	1.07E-02	1.07E-02
3557	472363.09	3850377.25	0.47839	1.41E-02	1.44E-02	1.44E-02
3558	472863.09	3850377.25	0.57467	1.69E-02	1.73E-02	1.73E-02
3559	473363.09	3850377.25	0.67096	1.98E-02	2.02E-02	2.02E-02
3560	473863.09	3850377.25	0.76506	2.25E-02	2.30E-02	2.30E-02
3561	474363.09	3850377.25	0.84643	2.49E-02	2.55E-02	2.54E-02
3562	474863.09	3850377.25	0.89335	2.63E-02	2.69E-02	2.68E-02
3563	475363.09	3850377.25	0.9486	2.80E-02	2.85E-02	2.85E-02
3564	475863.09	3850377.25	1.11863	3.30E-02	3.36E-02	3.36E-02
3565	476363.09	3850377.25	1.2578	3.71E-02	3.78E-02	3.78E-02
3566	476863.09	3850377.25	1.50322	4.43E-02	4.52E-02	4.51E-02
3567	477363.09	3850377.25	1.7951	5.29E-02	5.40E-02	5.39E-02
3568	477863.09	3850377.25	2.37303	6.99E-02	7.14E-02	7.13E-02
3569	478363.09	3850377.25	4.24996	1.25E-01	1.28E-01	1.28E-01
3570	478863.09	3850377.25	9.09224	2.68E-01	2.73E-01	2.73E-01
3571	479363.09	3850377.25	3.81015	1.12E-01	1.15E-01	1.14E-01
3572	479863.09	3850377.25	2.31711	6.83E-02	6.97E-02	6.96E-02
3573	480363.09	3850377.25	1.62246	4.78E-02	4.88E-02	4.87E-02
3574	480863.09	3850377.25	1.27725	3.76E-02	3.84E-02	3.84E-02
3575	481363.09	3850377.25	0.72305	2.13E-02	2.17E-02	2.17E-02
3576	481863.09	3850377.25	0.6138	1.81E-02	1.85E-02	1.84E-02
3577	482363.09	3850377.25	0.51663	1.52E-02	1.55E-02	1.55E-02
3578	482863.09	3850377.25	0.29168	8.59E-03	8.77E-03	8.76E-03
3579	483363.09	3850377.25	0.21815	6.43E-03	6.56E-03	6.55E-03
3580	483863.09	3850377.25	0.23847	7.03E-03	7.17E-03	7.16E-03
3581	484363.09	3850377.25	0.28972	8.54E-03	8.71E-03	8.70E-03
3582	484863.09	3850377.25	0.33238	9.79E-03	9.99E-03	9.98E-03
3583	485363.09	3850377.25	0.30576	9.01E-03	9.19E-03	9.18E-03
3584	485863.09	3850377.25	0.25382	7.48E-03	7.63E-03	7.62E-03
3585	486363.09	3850377.25	0.23643	6.97E-03	7.11E-03	7.10E-03
3586	486863.09	3850377.25	0.21985	6.48E-03	6.61E-03	6.60E-03
3587	487363.09	3850377.25	0.19484	5.74E-03	5.86E-03	5.85E-03

3588	487863.09	3850377.25	0.18077	5.33E-03	5.44E-03	5.43E-03
3589	488363.09	3850377.25	0.16777	4.94E-03	5.04E-03	5.04E-03
3590	488863.09	3850377.25	0.1551	4.57E-03	4.66E-03	4.66E-03
3591	489363.09	3850377.25	0.14334	4.22E-03	4.31E-03	4.30E-03
3592	489863.09	3850377.25	0.12557	3.70E-03	3.78E-03	3.77E-03
3593	490363.09	3850377.25	0.11071	3.26E-03	3.33E-03	3.32E-03
3594	490863.09	3850377.25	0.1001	2.95E-03	3.01E-03	3.01E-03
3595	491363.09	3850377.25	0.08971	2.64E-03	2.70E-03	2.69E-03
3596	491863.09	3850377.25	0.0758	2.23E-03	2.28E-03	2.28E-03
3597	492363.09	3850377.25	0.06248	1.84E-03	1.88E-03	1.88E-03
3598	492863.09	3850377.25	0.05578	1.64E-03	1.68E-03	1.68E-03
3599	493363.09	3850377.25	0.04896	1.44E-03	1.47E-03	1.47E-03
3600	493863.09	3850377.25	0.05101	1.50E-03	1.53E-03	1.53E-03
3601	494363.09	3850377.25	0.0518	1.53E-03	1.56E-03	1.56E-03
3602	494863.09	3850377.25	0.05744	1.69E-03	1.73E-03	1.73E-03
3603	495363.09	3850377.25	0.06547	1.93E-03	1.97E-03	1.97E-03
3604	495863.09	3850377.25	0.05726	1.69E-03	1.72E-03	1.72E-03
3605	496363.09	3850377.25	0.06434	1.90E-03	1.93E-03	1.93E-03
3606	496863.09	3850377.25	0.06885	2.03E-03	2.07E-03	2.07E-03
3607	497363.09	3850377.25	0.06922	2.04E-03	2.08E-03	2.08E-03
3608	497863.09	3850377.25	0.06595	1.94E-03	1.98E-03	1.98E-03
3609	498363.09	3850377.25	0.06282	1.85E-03	1.89E-03	1.89E-03
3610	471363.09	3850877.25	0.21965	6.47E-03	6.60E-03	6.60E-03
3611	471863.09	3850877.25	0.29645	8.74E-03	8.91E-03	8.90E-03
3612	472363.09	3850877.25	0.39888	1.18E-02	1.20E-02	1.20E-02
3613	472863.09	3850877.25	0.50615	1.49E-02	1.52E-02	1.52E-02
3614	473363.09	3850877.25	0.51633	1.52E-02	1.55E-02	1.55E-02
3615	473863.09	3850877.25	0.62486	1.84E-02	1.88E-02	1.88E-02
3616	474363.09	3850877.25	0.66319	1.95E-02	1.99E-02	1.99E-02
3617	474863.09	3850877.25	0.70867	2.09E-02	2.13E-02	2.13E-02
3618	475363.09	3850877.25	0.7525	2.22E-02	2.26E-02	2.26E-02
3619	475863.09	3850877.25	0.83729	2.47E-02	2.52E-02	2.51E-02
3620	476363.09	3850877.25	0.94694	2.79E-02	2.85E-02	2.84E-02
3621	476863.09	3850877.25	1.03943	3.06E-02	3.13E-02	3.12E-02
3622	477363.09	3850877.25	1.22063	3.60E-02	3.67E-02	3.67E-02
3623	477863.09	3850877.25	1.41101	4.16E-02	4.24E-02	4.24E-02
3624	478363.09	3850877.25	1.70595	5.03E-02	5.13E-02	5.12E-02
3625	478863.09	3850877.25	2.28777	6.74E-02	6.88E-02	6.87E-02
3626	479363.09	3850877.25	3.68547	1.09E-01	1.11E-01	1.11E-01
3627	479863.09	3850877.25	11.16614	3.29E-01	3.36E-01	3.35E-01
3628	480363.09	3850877.25	4.0414	1.19E-01	1.22E-01	1.21E-01
3629	480863.09	3850877.25	2.33998	6.90E-02	7.04E-02	7.03E-02
3630	481363.09	3850877.25	1.58551	4.67E-02	4.77E-02	4.76E-02
3631	481863.09	3850877.25	1.09358	3.22E-02	3.29E-02	3.28E-02
3632	482363.09	3850877.25	0.70945	2.09E-02	2.13E-02	2.13E-02
3633	482863.09	3850877.25	0.53533	1.58E-02	1.61E-02	1.61E-02
3634	483363.09	3850877.25	0.37406	1.10E-02	1.12E-02	1.12E-02
3635	483863.09	3850877.25	0.35223	1.04E-02	1.06E-02	1.06E-02
3636	484363.09	3850877.25	0.41173	1.21E-02	1.24E-02	1.24E-02
3637	484863.09	3850877.25	0.38939	1.15E-02	1.17E-02	1.17E-02
3638	485363.09	3850877.25	0.37838	1.11E-02	1.14E-02	1.14E-02
3639	485863.09	3850877.25	0.31206	9.20E-03	9.38E-03	9.37E-03
3640	486363.09	3850877.25	0.30349	8.94E-03	9.13E-03	9.11E-03
3641	486863.09	3850877.25	0.27362	8.06E-03	8.23E-03	8.22E-03
3642	487363.09	3850877.25	0.24116	7.11E-03	7.25E-03	7.24E-03
3643	487863.09	3850877.25	0.22136	6.52E-03	6.66E-03	6.65E-03
3644	488363.09	3850877.25	0.2022	5.96E-03	6.08E-03	6.07E-03
3645	488863.09	3850877.25	0.18312	5.40E-03	5.51E-03	5.50E-03
3646	489363.09	3850877.25	0.17002	5.01E-03	5.11E-03	5.11E-03
3647	489863.09	3850877.25	0.15375	4.53E-03	4.62E-03	4.62E-03
3648	490363.09	3850877.25	0.13331	3.93E-03	4.01E-03	4.00E-03
3649	490863.09	3850877.25	0.12285	3.62E-03	3.69E-03	3.69E-03
3650	491363.09	3850877.25	0.10746	3.17E-03	3.23E-03	3.23E-03

3651	491863.09	3850877.25	0.08928	2.63E-03	2.68E-03	2.68E-03
3652	492363.09	3850877.25	0.07716	2.27E-03	2.32E-03	2.32E-03
3653	492863.09	3850877.25	0.06767	1.99E-03	2.03E-03	2.03E-03
3654	493363.09	3850877.25	0.06242	1.84E-03	1.88E-03	1.87E-03
3655	493863.09	3850877.25	0.06666	1.96E-03	2.00E-03	2.00E-03
3656	494363.09	3850877.25	0.066	1.94E-03	1.98E-03	1.98E-03
3657	494863.09	3850877.25	0.0717	2.11E-03	2.16E-03	2.15E-03
3658	495363.09	3850877.25	0.07708	2.27E-03	2.32E-03	2.31E-03
3659	495863.09	3850877.25	0.07392	2.18E-03	2.22E-03	2.22E-03
3660	496363.09	3850877.25	0.07523	2.22E-03	2.26E-03	2.26E-03
3661	496863.09	3850877.25	0.07994	2.36E-03	2.40E-03	2.40E-03
3662	497363.09	3850877.25	0.07549	2.22E-03	2.27E-03	2.27E-03
3663	497863.09	3850877.25	0.07125	2.10E-03	2.14E-03	2.14E-03
3664	498363.09	3850877.25	0.06723	1.98E-03	2.02E-03	2.02E-03
3665	471363.09	3851377.25	0.21769	6.41E-03	6.55E-03	6.54E-03
3666	471863.09	3851377.25	0.32297	9.52E-03	9.71E-03	9.70E-03
3667	472363.09	3851377.25	0.33728	9.94E-03	1.01E-02	1.01E-02
3668	472863.09	3851377.25	0.37413	1.10E-02	1.12E-02	1.12E-02
3669	473363.09	3851377.25	0.31119	9.17E-03	9.36E-03	9.35E-03
3670	473863.09	3851377.25	0.36735	1.08E-02	1.10E-02	1.10E-02
3671	474363.09	3851377.25	0.49696	1.46E-02	1.49E-02	1.49E-02
3672	474863.09	3851377.25	0.582	1.71E-02	1.75E-02	1.75E-02
3673	475363.09	3851377.25	0.63151	1.86E-02	1.90E-02	1.90E-02
3674	475863.09	3851377.25	0.67181	1.98E-02	2.02E-02	2.02E-02
3675	476363.09	3851377.25	0.76493	2.25E-02	2.30E-02	2.30E-02
3676	476863.09	3851377.25	0.85808	2.53E-02	2.58E-02	2.58E-02
3677	477363.09	3851377.25	0.89461	2.64E-02	2.69E-02	2.69E-02
3678	477863.09	3851377.25	1.04522	3.08E-02	3.14E-02	3.14E-02
3679	478363.09	3851377.25	1.21149	3.57E-02	3.64E-02	3.64E-02
3680	478863.09	3851377.25	1.37291	4.05E-02	4.13E-02	4.12E-02
3681	479363.09	3851377.25	1.65414	4.87E-02	4.97E-02	4.97E-02
3682	479863.09	3851377.25	2.16832	6.39E-02	6.52E-02	6.51E-02
3683	480363.09	3851377.25	3.53575	1.04E-01	1.06E-01	1.06E-01
3684	480863.09	3851377.25	10.53769	3.11E-01	3.17E-01	3.16E-01
3685	481363.09	3851377.25	3.70427	1.09E-01	1.11E-01	1.11E-01
3686	481863.09	3851377.25	1.828	5.39E-02	5.50E-02	5.49E-02
3687	482363.09	3851377.25	1.19483	3.52E-02	3.59E-02	3.59E-02
3688	482863.09	3851377.25	0.74922	2.21E-02	2.25E-02	2.25E-02
3689	483363.09	3851377.25	0.51048	1.50E-02	1.53E-02	1.53E-02
3690	483863.09	3851377.25	0.42725	1.26E-02	1.28E-02	1.28E-02
3691	484363.09	3851377.25	0.51298	1.51E-02	1.54E-02	1.54E-02
3692	484863.09	3851377.25	0.35985	1.06E-02	1.08E-02	1.08E-02
3693	485363.09	3851377.25	0.45062	1.33E-02	1.35E-02	1.35E-02
3694	485863.09	3851377.25	0.37717	1.11E-02	1.13E-02	1.13E-02
3695	486363.09	3851377.25	0.3673	1.08E-02	1.10E-02	1.10E-02
3696	486863.09	3851377.25	0.33114	9.76E-03	9.96E-03	9.94E-03
3697	487363.09	3851377.25	0.25501	7.51E-03	7.67E-03	7.66E-03
3698	487863.09	3851377.25	0.25541	7.53E-03	7.68E-03	7.67E-03
3699	488363.09	3851377.25	0.24625	7.26E-03	7.40E-03	7.40E-03
3700	488863.09	3851377.25	0.21521	6.34E-03	6.47E-03	6.46E-03
3701	489363.09	3851377.25	0.19041	5.61E-03	5.73E-03	5.72E-03
3702	489863.09	3851377.25	0.17511	5.16E-03	5.27E-03	5.26E-03
3703	490363.09	3851377.25	0.16202	4.77E-03	4.87E-03	4.87E-03
3704	490863.09	3851377.25	0.14097	4.15E-03	4.24E-03	4.23E-03
3705	491363.09	3851377.25	0.11745	3.46E-03	3.53E-03	3.53E-03
3706	491863.09	3851377.25	0.10191	3.00E-03	3.06E-03	3.06E-03
3707	492363.09	3851377.25	0.09122	2.69E-03	2.74E-03	2.74E-03
3708	492863.09	3851377.25	0.08227	2.42E-03	2.47E-03	2.47E-03
3709	493363.09	3851377.25	0.06233	1.84E-03	1.87E-03	1.87E-03
3710	493863.09	3851377.25	0.06995	2.06E-03	2.10E-03	2.10E-03
3711	494363.09	3851377.25	0.08149	2.40E-03	2.45E-03	2.45E-03
3712	494863.09	3851377.25	0.0808	2.38E-03	2.43E-03	2.43E-03
3713	495363.09	3851377.25	0.09043	2.66E-03	2.72E-03	2.72E-03

3714	495863.09	3851377.25	0.0918	2.71E-03	2.76E-03	2.76E-03
3715	496363.09	3851377.25	0.09047	2.67E-03	2.72E-03	2.72E-03
3716	496863.09	3851377.25	0.08756	2.58E-03	2.63E-03	2.63E-03
3717	497363.09	3851377.25	0.08302	2.45E-03	2.50E-03	2.49E-03
3718	497863.09	3851377.25	0.07875	2.32E-03	2.37E-03	2.37E-03
3719	498363.09	3851377.25	0.06866	2.02E-03	2.06E-03	2.06E-03
3720	471363.09	3851877.25	0.23639	6.97E-03	7.11E-03	7.10E-03
3721	471863.09	3851877.25	0.22538	6.64E-03	6.78E-03	6.77E-03
3722	472363.09	3851877.25	0.2721	8.02E-03	8.18E-03	8.17E-03
3723	472863.09	3851877.25	0.31216	9.20E-03	9.39E-03	9.37E-03
3724	473363.09	3851877.25	0.27316	8.05E-03	8.21E-03	8.20E-03
3725	473863.09	3851877.25	0.28425	8.38E-03	8.55E-03	8.54E-03
3726	474363.09	3851877.25	0.37967	1.12E-02	1.14E-02	1.14E-02
3727	474863.09	3851877.25	0.44413	1.31E-02	1.34E-02	1.33E-02
3728	475363.09	3851877.25	0.49693	1.46E-02	1.49E-02	1.49E-02
3729	475863.09	3851877.25	0.54154	1.60E-02	1.63E-02	1.63E-02
3730	476363.09	3851877.25	0.55576	1.64E-02	1.67E-02	1.67E-02
3731	476863.09	3851877.25	0.64885	1.91E-02	1.95E-02	1.95E-02
3732	477363.09	3851877.25	0.7392	2.18E-02	2.22E-02	2.22E-02
3733	477863.09	3851877.25	0.79019	2.33E-02	2.38E-02	2.37E-02
3734	478363.09	3851877.25	0.82122	2.42E-02	2.47E-02	2.47E-02
3735	478863.09	3851877.25	0.97022	2.86E-02	2.92E-02	2.91E-02
3736	479363.09	3851877.25	1.13398	3.34E-02	3.41E-02	3.41E-02
3737	479863.09	3851877.25	1.29774	3.82E-02	3.90E-02	3.90E-02
3738	480363.09	3851877.25	1.55526	4.58E-02	4.68E-02	4.67E-02
3739	480863.09	3851877.25	2.20287	6.49E-02	6.62E-02	6.62E-02
3740	481363.09	3851877.25	4.8685	1.43E-01	1.46E-01	1.46E-01
3741	481863.09	3851877.25	3.72547	1.10E-01	1.12E-01	1.12E-01
3742	482363.09	3851877.25	1.51093	4.45E-02	4.54E-02	4.54E-02
3743	482863.09	3851877.25	0.8625	2.54E-02	2.59E-02	2.59E-02
3744	483363.09	3851877.25	0.73261	2.16E-02	2.20E-02	2.20E-02
3745	483863.09	3851877.25	0.62571	1.84E-02	1.88E-02	1.88E-02
3746	484363.09	3851877.25	0.59257	1.75E-02	1.78E-02	1.78E-02
3747	484863.09	3851877.25	0.49942	1.47E-02	1.50E-02	1.50E-02
3748	485363.09	3851877.25	0.47202	1.39E-02	1.42E-02	1.42E-02
3749	485863.09	3851877.25	0.44977	1.33E-02	1.35E-02	1.35E-02
3750	486363.09	3851877.25	0.37755	1.11E-02	1.14E-02	1.13E-02
3751	486863.09	3851877.25	0.35241	1.04E-02	1.06E-02	1.06E-02
3752	487363.09	3851877.25	0.32672	9.63E-03	9.82E-03	9.81E-03
3753	487863.09	3851877.25	0.2605	7.68E-03	7.83E-03	7.82E-03
3754	488363.09	3851877.25	0.24003	7.07E-03	7.22E-03	7.21E-03
3755	488863.09	3851877.25	0.20106	5.92E-03	6.05E-03	6.04E-03
3756	489363.09	3851877.25	0.1662	4.90E-03	5.00E-03	4.99E-03
3757	489863.09	3851877.25	0.14473	4.26E-03	4.35E-03	4.35E-03
3758	490363.09	3851877.25	0.13138	3.87E-03	3.95E-03	3.95E-03
3759	490863.09	3851877.25	0.12398	3.65E-03	3.73E-03	3.72E-03
3760	491363.09	3851877.25	0.12228	3.60E-03	3.68E-03	3.67E-03
3761	491863.09	3851877.25	0.11672	3.44E-03	3.51E-03	3.51E-03
3762	492363.09	3851877.25	0.10441	3.08E-03	3.14E-03	3.14E-03
3763	492863.09	3851877.25	0.07908	2.33E-03	2.38E-03	2.37E-03
3764	493363.09	3851877.25	0.09255	2.73E-03	2.78E-03	2.78E-03
3765	493863.09	3851877.25	0.11871	3.50E-03	3.57E-03	3.57E-03
3766	494363.09	3851877.25	0.10306	3.04E-03	3.10E-03	3.10E-03
3767	494863.09	3851877.25	0.11438	3.37E-03	3.44E-03	3.44E-03
3768	495363.09	3851877.25	0.1185	3.49E-03	3.56E-03	3.56E-03
3769	495863.09	3851877.25	0.11614	3.42E-03	3.49E-03	3.49E-03
3770	496363.09	3851877.25	0.10608	3.13E-03	3.19E-03	3.19E-03
3771	496863.09	3851877.25	0.09666	2.85E-03	2.91E-03	2.90E-03
3772	497363.09	3851877.25	0.0905	2.67E-03	2.72E-03	2.72E-03
3773	497863.09	3851877.25	0.07718	2.27E-03	2.32E-03	2.32E-03
3774	498363.09	3851877.25	0.0685	2.02E-03	2.06E-03	2.06E-03
3775	471363.09	3852377.25	0.17665	5.21E-03	5.31E-03	5.31E-03
3776	471863.09	3852377.25	0.21178	6.24E-03	6.37E-03	6.36E-03

3777	472363.09	3852377.25	0.2363	6.96E-03	7.11E-03	7.10E-03
3778	472863.09	3852377.25	0.24949	7.35E-03	7.50E-03	7.49E-03
3779	473363.09	3852377.25	0.25623	7.55E-03	7.70E-03	7.70E-03
3780	473863.09	3852377.25	0.26698	7.87E-03	8.03E-03	8.02E-03
3781	474363.09	3852377.25	0.28388	8.36E-03	8.54E-03	8.53E-03
3782	474863.09	3852377.25	0.38443	1.13E-02	1.16E-02	1.15E-02
3783	475363.09	3852377.25	0.40156	1.18E-02	1.21E-02	1.21E-02
3784	475863.09	3852377.25	0.39809	1.17E-02	1.20E-02	1.20E-02
3785	476363.09	3852377.25	0.4188	1.23E-02	1.26E-02	1.26E-02
3786	476863.09	3852377.25	0.45129	1.33E-02	1.36E-02	1.36E-02
3787	477363.09	3852377.25	0.44248	1.30E-02	1.33E-02	1.33E-02
3788	477863.09	3852377.25	0.35239	1.04E-02	1.06E-02	1.06E-02
3789	478363.09	3852377.25	0.26393	7.78E-03	7.94E-03	7.93E-03
3790	478863.09	3852377.25	0.39519	1.16E-02	1.19E-02	1.19E-02
3791	479363.09	3852377.25	0.51426	1.52E-02	1.55E-02	1.54E-02
3792	479863.09	3852377.25	0.85225	2.51E-02	2.56E-02	2.56E-02
3793	480363.09	3852377.25	1.13826	3.35E-02	3.42E-02	3.42E-02
3794	480863.09	3852377.25	1.41177	4.16E-02	4.24E-02	4.24E-02
3795	481363.09	3852377.25	2.0828	6.14E-02	6.26E-02	6.26E-02
3796	481863.09	3852377.25	5.15207	1.52E-01	1.55E-01	1.55E-01
3797	482363.09	3852377.25	3.07888	9.07E-02	9.26E-02	9.25E-02
3798	482863.09	3852377.25	1.74366	5.14E-02	5.24E-02	5.24E-02
3799	483363.09	3852377.25	1.10372	3.25E-02	3.32E-02	3.31E-02
3800	483863.09	3852377.25	0.75476	2.22E-02	2.27E-02	2.27E-02
3801	484363.09	3852377.25	0.70343	2.07E-02	2.12E-02	2.11E-02
3802	484863.09	3852377.25	0.63049	1.86E-02	1.90E-02	1.89E-02
3803	485363.09	3852377.25	0.56097	1.65E-02	1.69E-02	1.68E-02
3804	485863.09	3852377.25	0.49162	1.45E-02	1.48E-02	1.48E-02
3805	486363.09	3852377.25	0.39559	1.17E-02	1.19E-02	1.19E-02
3806	486863.09	3852377.25	0.33773	9.95E-03	1.02E-02	1.01E-02
3807	487363.09	3852377.25	0.28411	8.37E-03	8.54E-03	8.53E-03
3808	487863.09	3852377.25	0.23876	7.04E-03	7.18E-03	7.17E-03
3809	488363.09	3852377.25	0.19481	5.74E-03	5.86E-03	5.85E-03
3810	488863.09	3852377.25	0.16706	4.92E-03	5.02E-03	5.02E-03
3811	489363.09	3852377.25	0.14263	4.20E-03	4.29E-03	4.28E-03
3812	489863.09	3852377.25	0.11649	3.43E-03	3.50E-03	3.50E-03
3813	490363.09	3852377.25	0.12249	3.61E-03	3.68E-03	3.68E-03
3814	490863.09	3852377.25	0.1337	3.94E-03	4.02E-03	4.02E-03
3815	491363.09	3852377.25	0.14953	4.41E-03	4.50E-03	4.49E-03
3816	491863.09	3852377.25	0.14129	4.16E-03	4.25E-03	4.24E-03
3817	492363.09	3852377.25	0.1268	3.74E-03	3.81E-03	3.81E-03
3818	492863.09	3852377.25	0.13308	3.92E-03	4.00E-03	4.00E-03
3819	493363.09	3852377.25	0.14419	4.25E-03	4.34E-03	4.33E-03
3820	493863.09	3852377.25	0.13895	4.09E-03	4.18E-03	4.17E-03
3821	494363.09	3852377.25	0.13066	3.85E-03	3.93E-03	3.92E-03
3822	494863.09	3852377.25	0.13094	3.86E-03	3.94E-03	3.93E-03
3823	495363.09	3852377.25	0.13586	4.00E-03	4.09E-03	4.08E-03
3824	495863.09	3852377.25	0.12687	3.74E-03	3.81E-03	3.81E-03
3825	496363.09	3852377.25	0.11797	3.48E-03	3.55E-03	3.54E-03
3826	496863.09	3852377.25	0.11084	3.27E-03	3.33E-03	3.33E-03
3827	497363.09	3852377.25	0.0907	2.67E-03	2.73E-03	2.72E-03
3828	497863.09	3852377.25	0.07469	2.20E-03	2.25E-03	2.24E-03
3829	498363.09	3852377.25	0.06085	1.79E-03	1.83E-03	1.83E-03
3830	471363.09	3852877.25	0.16881	4.97E-03	5.08E-03	5.07E-03
3831	471863.09	3852877.25	0.18905	5.57E-03	5.68E-03	5.68E-03
3832	472363.09	3852877.25	0.21417	6.31E-03	6.44E-03	6.43E-03
3833	472863.09	3852877.25	0.22552	6.65E-03	6.78E-03	6.77E-03
3834	473363.09	3852877.25	0.23522	6.93E-03	7.07E-03	7.06E-03
3835	473863.09	3852877.25	0.28065	8.27E-03	8.44E-03	8.43E-03
3836	474363.09	3852877.25	0.31328	9.23E-03	9.42E-03	9.41E-03
3837	474863.09	3852877.25	0.26715	7.87E-03	8.03E-03	8.02E-03
3838	475363.09	3852877.25	0.30366	8.95E-03	9.13E-03	9.12E-03
3839	475863.09	3852877.25	0.30957	9.12E-03	9.31E-03	9.30E-03

3840	476363.09	3852877.25	0.31002	9.14E-03	9.32E-03	9.31E-03
3841	476863.09	3852877.25	0.2469	7.28E-03	7.42E-03	7.42E-03
3842	477363.09	3852877.25	0.18786	5.54E-03	5.65E-03	5.64E-03
3843	477863.09	3852877.25	0.16065	4.73E-03	4.83E-03	4.82E-03
3844	478363.09	3852877.25	0.09719	2.86E-03	2.92E-03	2.92E-03
3845	478863.09	3852877.25	0.1288	3.80E-03	3.87E-03	3.87E-03
3846	479363.09	3852877.25	0.24423	7.20E-03	7.34E-03	7.33E-03
3847	479863.09	3852877.25	0.42438	1.25E-02	1.28E-02	1.27E-02
3848	480363.09	3852877.25	0.85229	2.51E-02	2.56E-02	2.56E-02
3849	480863.09	3852877.25	1.03924	3.06E-02	3.12E-02	3.12E-02
3850	481363.09	3852877.25	1.38005	4.07E-02	4.15E-02	4.14E-02
3851	481863.09	3852877.25	2.00342	5.90E-02	6.02E-02	6.02E-02
3852	482363.09	3852877.25	5.85254	1.72E-01	1.76E-01	1.76E-01
3853	482863.09	3852877.25	2.6314	7.75E-02	7.91E-02	7.90E-02
3854	483363.09	3852877.25	1.51614	4.47E-02	4.56E-02	4.55E-02
3855	483863.09	3852877.25	0.97214	2.86E-02	2.92E-02	2.92E-02
3856	484363.09	3852877.25	0.98116	2.89E-02	2.95E-02	2.95E-02
3857	484863.09	3852877.25	0.80215	2.36E-02	2.41E-02	2.41E-02
3858	485363.09	3852877.25	0.56972	1.68E-02	1.71E-02	1.71E-02
3859	485863.09	3852877.25	0.45147	1.33E-02	1.36E-02	1.36E-02
3860	486363.09	3852877.25	0.3527	1.04E-02	1.06E-02	1.06E-02
3861	486863.09	3852877.25	0.31809	9.37E-03	9.56E-03	9.55E-03
3862	487363.09	3852877.25	0.26697	7.87E-03	8.03E-03	8.02E-03
3863	487863.09	3852877.25	0.22539	6.64E-03	6.78E-03	6.77E-03
3864	488363.09	3852877.25	0.12353	3.64E-03	3.71E-03	3.71E-03
3865	488863.09	3852877.25	0.12312	3.63E-03	3.70E-03	3.70E-03
3866	489363.09	3852877.25	0.12161	3.58E-03	3.66E-03	3.65E-03
3867	489863.09	3852877.25	0.11669	3.44E-03	3.51E-03	3.50E-03
3868	490363.09	3852877.25	0.15153	4.47E-03	4.56E-03	4.55E-03
3869	490863.09	3852877.25	0.16275	4.80E-03	4.89E-03	4.89E-03
3870	491363.09	3852877.25	0.16858	4.97E-03	5.07E-03	5.06E-03
3871	491863.09	3852877.25	0.16582	4.89E-03	4.99E-03	4.98E-03
3872	492363.09	3852877.25	0.16099	4.74E-03	4.84E-03	4.83E-03
3873	492863.09	3852877.25	0.17266	5.09E-03	5.19E-03	5.19E-03
3874	493363.09	3852877.25	0.17729	5.22E-03	5.33E-03	5.32E-03
3875	493863.09	3852877.25	0.16618	4.90E-03	5.00E-03	4.99E-03
3876	494363.09	3852877.25	0.15473	4.56E-03	4.65E-03	4.65E-03
3877	494863.09	3852877.25	0.15109	4.45E-03	4.54E-03	4.54E-03
3878	495363.09	3852877.25	0.13329	3.93E-03	4.01E-03	4.00E-03
3879	495863.09	3852877.25	0.12279	3.62E-03	3.69E-03	3.69E-03
3880	496363.09	3852877.25	0.12049	3.55E-03	3.62E-03	3.62E-03
3881	496863.09	3852877.25	0.11056	3.26E-03	3.32E-03	3.32E-03
3882	497363.09	3852877.25	0.08151	2.40E-03	2.45E-03	2.45E-03
3883	497863.09	3852877.25	0.05196	1.53E-03	1.56E-03	1.56E-03
3884	498363.09	3852877.25	0.04763	1.40E-03	1.43E-03	1.43E-03
3885	471363.09	3853377.25	0.16826	4.96E-03	5.06E-03	5.05E-03
3886	471863.09	3853377.25	0.18517	5.46E-03	5.57E-03	5.56E-03
3887	472363.09	3853377.25	0.19474	5.74E-03	5.86E-03	5.85E-03
3888	472863.09	3853377.25	0.20941	6.17E-03	6.30E-03	6.29E-03
3889	473363.09	3853377.25	0.21154	6.23E-03	6.36E-03	6.35E-03
3890	473863.09	3853377.25	0.23242	6.85E-03	6.99E-03	6.98E-03
3891	474363.09	3853377.25	0.24242	7.14E-03	7.29E-03	7.28E-03
3892	474863.09	3853377.25	0.22351	6.59E-03	6.72E-03	6.71E-03
3893	475363.09	3853377.25	0.21335	6.29E-03	6.42E-03	6.41E-03
3894	475863.09	3853377.25	0.20753	6.12E-03	6.24E-03	6.23E-03
3895	476363.09	3853377.25	0.18891	5.57E-03	5.68E-03	5.67E-03
3896	476863.09	3853377.25	0.14001	4.13E-03	4.21E-03	4.20E-03
3897	477363.09	3853377.25	0.12819	3.78E-03	3.85E-03	3.85E-03
3898	477863.09	3853377.25	0.11989	3.53E-03	3.60E-03	3.60E-03
3899	478363.09	3853377.25	0.0929	2.74E-03	2.79E-03	2.79E-03
3900	478863.09	3853377.25	0.05563	1.64E-03	1.67E-03	1.67E-03
3901	479363.09	3853377.25	0.13008	3.83E-03	3.91E-03	3.91E-03
3902	479863.09	3853377.25	0.23321	6.87E-03	7.01E-03	7.00E-03

3903	480363.09	3853377.25	0.43828	1.29E-02	1.32E-02	1.32E-02
3904	480863.09	3853377.25	0.39806	1.17E-02	1.20E-02	1.20E-02
3905	481363.09	3853377.25	0.73203	2.16E-02	2.20E-02	2.20E-02
3906	481863.09	3853377.25	1.19601	3.52E-02	3.60E-02	3.59E-02
3907	482363.09	3853377.25	1.91167	5.63E-02	5.75E-02	5.74E-02
3908	482863.09	3853377.25	6.03912	1.78E-01	1.82E-01	1.81E-01
3909	483363.09	3853377.25	1.51723	4.47E-02	4.56E-02	4.56E-02
3910	483863.09	3853377.25	1.03509	3.05E-02	3.11E-02	3.11E-02
3911	484363.09	3853377.25	0.9808	2.89E-02	2.95E-02	2.95E-02
3912	484863.09	3853377.25	0.80546	2.37E-02	2.42E-02	2.42E-02
3913	485363.09	3853377.25	0.51428	1.52E-02	1.55E-02	1.54E-02
3914	485863.09	3853377.25	0.38055	1.12E-02	1.14E-02	1.14E-02
3915	486363.09	3853377.25	0.34891	1.03E-02	1.05E-02	1.05E-02
3916	486863.09	3853377.25	0.28147	8.29E-03	8.46E-03	8.45E-03
3917	487363.09	3853377.25	0.27795	8.19E-03	8.36E-03	8.35E-03
3918	487863.09	3853377.25	0.26002	7.66E-03	7.82E-03	7.81E-03
3919	488363.09	3853377.25	0.25437	7.50E-03	7.65E-03	7.64E-03
3920	488863.09	3853377.25	0.25663	7.56E-03	7.72E-03	7.71E-03
3921	489363.09	3853377.25	0.2359	6.95E-03	7.09E-03	7.08E-03
3922	489863.09	3853377.25	0.1906	5.62E-03	5.73E-03	5.72E-03
3923	490363.09	3853377.25	0.18649	5.50E-03	5.61E-03	5.60E-03
3924	490863.09	3853377.25	0.17487	5.15E-03	5.26E-03	5.25E-03
3925	491363.09	3853377.25	0.1827	5.38E-03	5.49E-03	5.49E-03
3926	491863.09	3853377.25	0.18215	5.37E-03	5.48E-03	5.47E-03
3927	492363.09	3853377.25	0.18434	5.43E-03	5.54E-03	5.54E-03
3928	492863.09	3853377.25	0.18898	5.57E-03	5.68E-03	5.68E-03
3929	493363.09	3853377.25	0.189	5.57E-03	5.68E-03	5.68E-03
3930	493863.09	3853377.25	0.17747	5.23E-03	5.34E-03	5.33E-03
3931	494363.09	3853377.25	0.16672	4.91E-03	5.01E-03	5.01E-03
3932	494863.09	3853377.25	0.15627	4.60E-03	4.70E-03	4.69E-03
3933	495363.09	3853377.25	0.15061	4.44E-03	4.53E-03	4.52E-03
3934	495863.09	3853377.25	0.13747	4.05E-03	4.13E-03	4.13E-03
3935	496363.09	3853377.25	0.1187	3.50E-03	3.57E-03	3.56E-03
3936	496863.09	3853377.25	0.09351	2.76E-03	2.81E-03	2.81E-03
3937	497363.09	3853377.25	0.06743	1.99E-03	2.03E-03	2.03E-03
3938	497863.09	3853377.25	0.03838	1.13E-03	1.15E-03	1.15E-03
3939	498363.09	3853377.25	0.02991	8.81E-04	8.99E-04	8.98E-04
3940	471363.09	3853877.25	0.15937	4.70E-03	4.79E-03	4.79E-03
3941	471863.09	3853877.25	0.18268	5.38E-03	5.49E-03	5.49E-03
3942	472363.09	3853877.25	0.18469	5.44E-03	5.55E-03	5.55E-03
3943	472863.09	3853877.25	0.19253	5.67E-03	5.79E-03	5.78E-03
3944	473363.09	3853877.25	0.19578	5.77E-03	5.89E-03	5.88E-03
3945	473863.09	3853877.25	0.20704	6.10E-03	6.23E-03	6.22E-03
3946	474363.09	3853877.25	0.20875	6.15E-03	6.28E-03	6.27E-03
3947	474863.09	3853877.25	0.21013	6.19E-03	6.32E-03	6.31E-03
3948	475363.09	3853877.25	0.18754	5.53E-03	5.64E-03	5.63E-03
3949	475863.09	3853877.25	0.13856	4.08E-03	4.17E-03	4.16E-03
3950	476363.09	3853877.25	0.1025	3.02E-03	3.08E-03	3.08E-03
3951	476863.09	3853877.25	0.06571	1.94E-03	1.98E-03	1.97E-03
3952	477363.09	3853877.25	0.08125	2.39E-03	2.44E-03	2.44E-03
3953	477863.09	3853877.25	0.08906	2.62E-03	2.68E-03	2.67E-03
3954	478363.09	3853877.25	0.08889	2.62E-03	2.67E-03	2.67E-03
3955	478863.09	3853877.25	0.04645	1.37E-03	1.40E-03	1.40E-03
3956	479363.09	3853877.25	0.07637	2.25E-03	2.30E-03	2.29E-03
3957	479863.09	3853877.25	0.1652	4.87E-03	4.97E-03	4.96E-03
3958	480363.09	3853877.25	0.26885	7.92E-03	8.08E-03	8.07E-03
3959	480863.09	3853877.25	0.44495	1.31E-02	1.34E-02	1.34E-02
3960	481363.09	3853877.25	0.59507	1.75E-02	1.79E-02	1.79E-02
3961	481863.09	3853877.25	0.7088	2.09E-02	2.13E-02	2.13E-02
3962	482363.09	3853877.25	0.77434	2.28E-02	2.33E-02	2.33E-02
3963	482863.09	3853877.25	1.05495	3.11E-02	3.17E-02	3.17E-02
3964	483363.09	3853877.25	1.20087	3.54E-02	3.61E-02	3.61E-02
3965	483863.09	3853877.25	0.94106	2.77E-02	2.83E-02	2.83E-02

3966	484363.09	3853877.25	0.64972	1.91E-02	1.95E-02	1.95E-02
3967	484863.09	3853877.25	0.59715	1.76E-02	1.80E-02	1.79E-02
3968	485363.09	3853877.25	0.43671	1.29E-02	1.31E-02	1.31E-02
3969	485863.09	3853877.25	0.42564	1.25E-02	1.28E-02	1.28E-02
3970	486363.09	3853877.25	0.37766	1.11E-02	1.14E-02	1.13E-02
3971	486863.09	3853877.25	0.33883	9.98E-03	1.02E-02	1.02E-02
3972	487363.09	3853877.25	0.35134	1.04E-02	1.06E-02	1.06E-02
3973	487863.09	3853877.25	0.35293	1.04E-02	1.06E-02	1.06E-02
3974	488363.09	3853877.25	0.3152	9.29E-03	9.48E-03	9.47E-03
3975	488863.09	3853877.25	0.30106	8.87E-03	9.05E-03	9.04E-03
3976	489363.09	3853877.25	0.26832	7.91E-03	8.07E-03	8.06E-03
3977	489863.09	3853877.25	0.26475	7.80E-03	7.96E-03	7.95E-03
3978	490363.09	3853877.25	0.25883	7.63E-03	7.78E-03	7.77E-03
3979	490863.09	3853877.25	0.24134	7.11E-03	7.26E-03	7.25E-03
3980	491363.09	3853877.25	0.21462	6.32E-03	6.45E-03	6.45E-03
3981	491863.09	3853877.25	0.19621	5.78E-03	5.90E-03	5.89E-03
3982	492363.09	3853877.25	0.20528	6.05E-03	6.17E-03	6.17E-03
3983	492863.09	3853877.25	0.19707	5.81E-03	5.93E-03	5.92E-03
3984	493363.09	3853877.25	0.19107	5.63E-03	5.75E-03	5.74E-03
3985	493863.09	3853877.25	0.17328	5.11E-03	5.21E-03	5.20E-03
3986	494363.09	3853877.25	0.17334	5.11E-03	5.21E-03	5.21E-03
3987	494863.09	3853877.25	0.1643	4.84E-03	4.94E-03	4.93E-03
3988	495363.09	3853877.25	0.14079	4.15E-03	4.23E-03	4.23E-03
3989	495863.09	3853877.25	0.11904	3.51E-03	3.58E-03	3.58E-03
3990	496363.09	3853877.25	0.10448	3.08E-03	3.14E-03	3.14E-03
3991	496863.09	3853877.25	0.07725	2.28E-03	2.32E-03	2.32E-03
3992	497363.09	3853877.25	0.06123	1.80E-03	1.84E-03	1.84E-03
3993	497863.09	3853877.25	0.04517	1.33E-03	1.36E-03	1.36E-03
3994	498363.09	3853877.25	0.03863	1.14E-03	1.16E-03	1.16E-03
3995	471363.09	3854377.25	0.16385	4.83E-03	4.93E-03	4.92E-03
3996	471863.09	3854377.25	0.17684	5.21E-03	5.32E-03	5.31E-03
3997	472363.09	3854377.25	0.17904	5.28E-03	5.38E-03	5.38E-03
3998	472863.09	3854377.25	0.17539	5.17E-03	5.27E-03	5.27E-03
3999	473363.09	3854377.25	0.1871	5.51E-03	5.63E-03	5.62E-03
4000	473863.09	3854377.25	0.19072	5.62E-03	5.73E-03	5.73E-03
4001	474363.09	3854377.25	0.20056	5.91E-03	6.03E-03	6.02E-03
4002	474863.09	3854377.25	0.17926	5.28E-03	5.39E-03	5.38E-03
4003	475363.09	3854377.25	0.13894	4.09E-03	4.18E-03	4.17E-03
4004	475863.09	3854377.25	0.07135	2.10E-03	2.15E-03	2.14E-03
4005	476363.09	3854377.25	0.06061	1.79E-03	1.82E-03	1.82E-03
4006	476863.09	3854377.25	0.05332	1.57E-03	1.60E-03	1.60E-03
4007	477363.09	3854377.25	0.05162	1.52E-03	1.55E-03	1.55E-03
4008	477863.09	3854377.25	0.05011	1.48E-03	1.51E-03	1.50E-03
4009	478363.09	3854377.25	0.06538	1.93E-03	1.97E-03	1.96E-03
4010	478863.09	3854377.25	0.06391	1.88E-03	1.92E-03	1.92E-03
4011	479363.09	3854377.25	0.11381	3.35E-03	3.42E-03	3.42E-03
4012	479863.09	3854377.25	0.15437	4.55E-03	4.64E-03	4.64E-03
4013	480363.09	3854377.25	0.19974	5.89E-03	6.01E-03	6.00E-03
4014	480863.09	3854377.25	0.2914	8.59E-03	8.76E-03	8.75E-03
4015	481363.09	3854377.25	0.40118	1.18E-02	1.21E-02	1.20E-02
4016	481863.09	3854377.25	0.44516	1.31E-02	1.34E-02	1.34E-02
4017	482363.09	3854377.25	0.48637	1.43E-02	1.46E-02	1.46E-02
4018	482863.09	3854377.25	0.55855	1.65E-02	1.68E-02	1.68E-02
4019	483363.09	3854377.25	0.76334	2.25E-02	2.30E-02	2.29E-02
4020	483863.09	3854377.25	0.71776	2.11E-02	2.16E-02	2.16E-02
4021	484363.09	3854377.25	0.4665	1.37E-02	1.40E-02	1.40E-02
4022	484863.09	3854377.25	0.34969	1.03E-02	1.05E-02	1.05E-02
4023	485363.09	3854377.25	0.43647	1.29E-02	1.31E-02	1.31E-02
4024	485863.09	3854377.25	0.35067	1.03E-02	1.05E-02	1.05E-02
4025	486363.09	3854377.25	0.44273	1.30E-02	1.33E-02	1.33E-02
4026	486863.09	3854377.25	0.38902	1.15E-02	1.17E-02	1.17E-02
4027	487363.09	3854377.25	0.36522	1.08E-02	1.10E-02	1.10E-02
4028	487863.09	3854377.25	0.36941	1.09E-02	1.11E-02	1.11E-02

4029	488363.09	3854377.25	0.38184	1.13E-02	1.15E-02	1.15E-02
4030	488863.09	3854377.25	0.36573	1.08E-02	1.10E-02	1.10E-02
4031	489363.09	3854377.25	0.29346	8.65E-03	8.82E-03	8.81E-03
4032	489863.09	3854377.25	0.29128	8.58E-03	8.76E-03	8.75E-03
4033	490363.09	3854377.25	0.27714	8.17E-03	8.33E-03	8.32E-03
4034	490863.09	3854377.25	0.22539	6.64E-03	6.78E-03	6.77E-03
4035	491363.09	3854377.25	0.2392	7.05E-03	7.19E-03	7.18E-03
4036	491863.09	3854377.25	0.2379	7.01E-03	7.15E-03	7.14E-03
4037	492363.09	3854377.25	0.22559	6.65E-03	6.78E-03	6.78E-03
4038	492863.09	3854377.25	0.20456	6.03E-03	6.15E-03	6.14E-03
4039	493363.09	3854377.25	0.18492	5.45E-03	5.56E-03	5.55E-03
4040	493863.09	3854377.25	0.18279	5.39E-03	5.50E-03	5.49E-03
4041	494363.09	3854377.25	0.17525	5.16E-03	5.27E-03	5.26E-03
4042	494863.09	3854377.25	0.13563	4.00E-03	4.08E-03	4.07E-03
4043	495363.09	3854377.25	0.09535	2.81E-03	2.87E-03	2.86E-03
4044	495863.09	3854377.25	0.07805	2.30E-03	2.35E-03	2.34E-03
4045	496363.09	3854377.25	0.06891	2.03E-03	2.07E-03	2.07E-03
4046	496863.09	3854377.25	0.05845	1.72E-03	1.76E-03	1.76E-03
4047	497363.09	3854377.25	0.04618	1.36E-03	1.39E-03	1.39E-03
4048	497863.09	3854377.25	0.04828	1.42E-03	1.45E-03	1.45E-03
4049	498363.09	3854377.25	0.0418	1.23E-03	1.26E-03	1.26E-03
4050	471363.09	3854877.25	0.16804	4.95E-03	5.05E-03	5.05E-03
4051	471863.09	3854877.25	0.17295	5.10E-03	5.20E-03	5.19E-03
4052	472363.09	3854877.25	0.17151	5.05E-03	5.16E-03	5.15E-03
4053	472863.09	3854877.25	0.16526	4.87E-03	4.97E-03	4.96E-03
4054	473363.09	3854877.25	0.16965	5.00E-03	5.10E-03	5.10E-03
4055	473863.09	3854877.25	0.18252	5.38E-03	5.49E-03	5.48E-03
4056	474363.09	3854877.25	0.2001	5.90E-03	6.02E-03	6.01E-03
4057	474863.09	3854877.25	0.15876	4.68E-03	4.77E-03	4.77E-03
4058	475363.09	3854877.25	0.11119	3.28E-03	3.34E-03	3.34E-03
4059	475863.09	3854877.25	0.0696	2.05E-03	2.09E-03	2.09E-03
4060	476363.09	3854877.25	0.03062	9.02E-04	9.21E-04	9.20E-04
4061	476863.09	3854877.25	0.02832	8.34E-04	8.52E-04	8.51E-04
4062	477363.09	3854877.25	0.03361	9.90E-04	1.01E-03	1.01E-03
4063	477863.09	3854877.25	0.0387	1.14E-03	1.16E-03	1.16E-03
4064	478363.09	3854877.25	0.06499	1.92E-03	1.95E-03	1.95E-03
4065	478863.09	3854877.25	0.1088	3.21E-03	3.27E-03	3.27E-03
4066	479363.09	3854877.25	0.14808	4.36E-03	4.45E-03	4.45E-03
4067	479863.09	3854877.25	0.19352	5.70E-03	5.82E-03	5.81E-03
4068	480363.09	3854877.25	0.22011	6.49E-03	6.62E-03	6.61E-03
4069	480863.09	3854877.25	0.28575	8.42E-03	8.59E-03	8.58E-03
4070	481363.09	3854877.25	0.31118	9.17E-03	9.36E-03	9.35E-03
4071	481863.09	3854877.25	0.29122	8.58E-03	8.76E-03	8.75E-03
4072	482363.09	3854877.25	0.38244	1.13E-02	1.15E-02	1.15E-02
4073	482863.09	3854877.25	0.38476	1.13E-02	1.16E-02	1.16E-02
4074	483363.09	3854877.25	0.44166	1.30E-02	1.33E-02	1.33E-02
4075	483863.09	3854877.25	0.56618	1.67E-02	1.70E-02	1.70E-02
4076	484363.09	3854877.25	0.52305	1.54E-02	1.57E-02	1.57E-02
4077	484863.09	3854877.25	0.49128	1.45E-02	1.48E-02	1.48E-02
4078	485363.09	3854877.25	0.43932	1.29E-02	1.32E-02	1.32E-02
4079	485863.09	3854877.25	0.38504	1.13E-02	1.16E-02	1.16E-02
4080	486363.09	3854877.25	0.41448	1.22E-02	1.25E-02	1.24E-02
4081	486863.09	3854877.25	0.38199	1.13E-02	1.15E-02	1.15E-02
4082	487363.09	3854877.25	0.44646	1.32E-02	1.34E-02	1.34E-02
4083	487863.09	3854877.25	0.41966	1.24E-02	1.26E-02	1.26E-02
4084	488363.09	3854877.25	0.37771	1.11E-02	1.14E-02	1.13E-02
4085	488863.09	3854877.25	0.34719	1.02E-02	1.04E-02	1.04E-02
4086	489363.09	3854877.25	0.34131	1.01E-02	1.03E-02	1.03E-02
4087	489863.09	3854877.25	0.33406	9.84E-03	1.00E-02	1.00E-02
4088	490363.09	3854877.25	0.2869	8.45E-03	8.63E-03	8.62E-03
4089	490863.09	3854877.25	0.15899	4.68E-03	4.78E-03	4.77E-03
4090	491363.09	3854877.25	0.18061	5.32E-03	5.43E-03	5.42E-03
4091	491863.09	3854877.25	0.24465	7.21E-03	7.36E-03	7.35E-03

4092	492363.09	3854877.25	0.23139	6.82E-03	6.96E-03	6.95E-03
4093	492863.09	3854877.25	0.21521	6.34E-03	6.47E-03	6.46E-03
4094	493363.09	3854877.25	0.2082	6.13E-03	6.26E-03	6.25E-03
4095	493863.09	3854877.25	0.19976	5.89E-03	6.01E-03	6.00E-03
4096	494363.09	3854877.25	0.1552	4.57E-03	4.67E-03	4.66E-03
4097	494863.09	3854877.25	0.10329	3.04E-03	3.11E-03	3.10E-03
4098	495363.09	3854877.25	0.07285	2.15E-03	2.19E-03	2.19E-03
4099	495863.09	3854877.25	0.06208	1.83E-03	1.87E-03	1.86E-03
4100	496363.09	3854877.25	0.04625	1.36E-03	1.39E-03	1.39E-03
4101	496863.09	3854877.25	0.03756	1.11E-03	1.13E-03	1.13E-03
4102	497363.09	3854877.25	0.03771	1.11E-03	1.13E-03	1.13E-03
4103	497863.09	3854877.25	0.03992	1.18E-03	1.20E-03	1.20E-03
4104	498363.09	3854877.25	0.04003	1.18E-03	1.20E-03	1.20E-03
4105	471363.09	3855377.25	0.16149	4.76E-03	4.86E-03	4.85E-03
4106	471863.09	3855377.25	0.16609	4.89E-03	4.99E-03	4.99E-03
4107	472363.09	3855377.25	0.17103	5.04E-03	5.14E-03	5.14E-03
4108	472863.09	3855377.25	0.16782	4.95E-03	5.05E-03	5.04E-03
4109	473363.09	3855377.25	0.18266	5.38E-03	5.49E-03	5.49E-03
4110	473863.09	3855377.25	0.19147	5.64E-03	5.76E-03	5.75E-03
4111	474363.09	3855377.25	0.20662	6.09E-03	6.21E-03	6.21E-03
4112	474863.09	3855377.25	0.16324	4.81E-03	4.91E-03	4.90E-03
4113	475363.09	3855377.25	0.06242	1.84E-03	1.88E-03	1.87E-03
4114	475863.09	3855377.25	0.03468	1.02E-03	1.04E-03	1.04E-03
4115	476363.09	3855377.25	0.0395	1.16E-03	1.19E-03	1.19E-03
4116	476863.09	3855377.25	0.03321	9.79E-04	9.99E-04	9.97E-04
4117	477363.09	3855377.25	0.03472	1.02E-03	1.04E-03	1.04E-03
4118	477863.09	3855377.25	0.05188	1.53E-03	1.56E-03	1.56E-03
4119	478363.09	3855377.25	0.07789	2.30E-03	2.34E-03	2.34E-03
4120	478863.09	3855377.25	0.10054	2.96E-03	3.02E-03	3.02E-03
4121	479363.09	3855377.25	0.13293	3.92E-03	4.00E-03	3.99E-03
4122	479863.09	3855377.25	0.16626	4.90E-03	5.00E-03	4.99E-03
4123	480363.09	3855377.25	0.22304	6.57E-03	6.71E-03	6.70E-03
4124	480863.09	3855377.25	0.26231	7.73E-03	7.89E-03	7.88E-03
4125	481363.09	3855377.25	0.29342	8.65E-03	8.82E-03	8.81E-03
4126	481863.09	3855377.25	0.29552	8.71E-03	8.89E-03	8.88E-03
4127	482363.09	3855377.25	0.30222	8.91E-03	9.09E-03	9.08E-03
4128	482863.09	3855377.25	0.30762	9.06E-03	9.25E-03	9.24E-03
4129	483363.09	3855377.25	0.30636	9.03E-03	9.21E-03	9.20E-03
4130	483863.09	3855377.25	0.37063	1.09E-02	1.11E-02	1.11E-02
4131	484363.09	3855377.25	0.41553	1.22E-02	1.25E-02	1.25E-02
4132	484863.09	3855377.25	0.44864	1.32E-02	1.35E-02	1.35E-02
4133	485363.09	3855377.25	0.44733	1.32E-02	1.35E-02	1.34E-02
4134	485863.09	3855377.25	0.39937	1.18E-02	1.20E-02	1.20E-02
4135	486363.09	3855377.25	0.35542	1.05E-02	1.07E-02	1.07E-02
4136	486863.09	3855377.25	0.36245	1.07E-02	1.09E-02	1.09E-02
4137	487363.09	3855377.25	0.38426	1.13E-02	1.16E-02	1.15E-02
4138	487863.09	3855377.25	0.38714	1.14E-02	1.16E-02	1.16E-02
4139	488363.09	3855377.25	0.42705	1.26E-02	1.28E-02	1.28E-02
4140	488863.09	3855377.25	0.3836	1.13E-02	1.15E-02	1.15E-02
4141	489363.09	3855377.25	0.34774	1.02E-02	1.05E-02	1.04E-02
4142	489863.09	3855377.25	0.31166	9.18E-03	9.37E-03	9.36E-03
4143	490363.09	3855377.25	0.31141	9.18E-03	9.36E-03	9.35E-03
4144	490863.09	3855377.25	0.26647	7.85E-03	8.01E-03	8.00E-03
4145	491363.09	3855377.25	0.20843	6.14E-03	6.27E-03	6.26E-03
4146	491863.09	3855377.25	0.22795	6.72E-03	6.85E-03	6.85E-03
4147	492363.09	3855377.25	0.22172	6.53E-03	6.67E-03	6.66E-03
4148	492863.09	3855377.25	0.20378	6.00E-03	6.13E-03	6.12E-03
4149	493363.09	3855377.25	0.19604	5.78E-03	5.89E-03	5.89E-03
4150	493863.09	3855377.25	0.16884	4.98E-03	5.08E-03	5.07E-03
4151	494363.09	3855377.25	0.11675	3.44E-03	3.51E-03	3.51E-03
4152	494863.09	3855377.25	0.06985	2.06E-03	2.10E-03	2.10E-03
4153	495363.09	3855377.25	0.04843	1.43E-03	1.46E-03	1.45E-03
4154	495863.09	3855377.25	0.03917	1.15E-03	1.18E-03	1.18E-03

4155	496363.09	3855377.25	0.03935	1.16E-03	1.18E-03	1.18E-03
4156	496863.09	3855377.25	0.03869	1.14E-03	1.16E-03	1.16E-03
4157	497363.09	3855377.25	0.03865	1.14E-03	1.16E-03	1.16E-03
4158	497863.09	3855377.25	0.041	1.21E-03	1.23E-03	1.23E-03
4159	498363.09	3855377.25	0.04523	1.33E-03	1.36E-03	1.36E-03
4160	471363.09	3855877.25	0.1551	4.57E-03	4.66E-03	4.66E-03
4161	471863.09	3855877.25	0.16087	4.74E-03	4.84E-03	4.83E-03
4162	472363.09	3855877.25	0.1659	4.89E-03	4.99E-03	4.98E-03
4163	472863.09	3855877.25	0.16206	4.78E-03	4.87E-03	4.87E-03
4164	473363.09	3855877.25	0.17464	5.15E-03	5.25E-03	5.24E-03
4165	473863.09	3855877.25	0.18293	5.39E-03	5.50E-03	5.49E-03
4166	474363.09	3855877.25	0.18532	5.46E-03	5.57E-03	5.57E-03
4167	474863.09	3855877.25	0.14517	4.28E-03	4.36E-03	4.36E-03
4168	475363.09	3855877.25	0.0808	2.38E-03	2.43E-03	2.43E-03
4169	475863.09	3855877.25	0.02776	8.18E-04	8.35E-04	8.34E-04
4170	476363.09	3855877.25	0.02864	8.44E-04	8.61E-04	8.60E-04
4171	476863.09	3855877.25	0.03889	1.15E-03	1.17E-03	1.17E-03
4172	477363.09	3855877.25	0.05005	1.47E-03	1.50E-03	1.50E-03
4173	477863.09	3855877.25	0.06277	1.85E-03	1.89E-03	1.89E-03
4174	478363.09	3855877.25	0.0851	2.51E-03	2.56E-03	2.56E-03
4175	478863.09	3855877.25	0.10789	3.18E-03	3.24E-03	3.24E-03
4176	479363.09	3855877.25	0.13666	4.03E-03	4.11E-03	4.10E-03
4177	479863.09	3855877.25	0.16356	4.82E-03	4.92E-03	4.91E-03
4178	480363.09	3855877.25	0.20428	6.02E-03	6.14E-03	6.14E-03
4179	480863.09	3855877.25	0.23863	7.03E-03	7.18E-03	7.17E-03
4180	481363.09	3855877.25	0.24056	7.09E-03	7.23E-03	7.22E-03
4181	481863.09	3855877.25	0.27511	8.11E-03	8.27E-03	8.26E-03
4182	482363.09	3855877.25	0.24813	7.31E-03	7.46E-03	7.45E-03
4183	482863.09	3855877.25	0.26408	7.78E-03	7.94E-03	7.93E-03
4184	483363.09	3855877.25	0.26861	7.91E-03	8.08E-03	8.07E-03
4185	483863.09	3855877.25	0.27307	8.05E-03	8.21E-03	8.20E-03
4186	484363.09	3855877.25	0.30858	9.09E-03	9.28E-03	9.27E-03
4187	484863.09	3855877.25	0.33693	9.93E-03	1.01E-02	1.01E-02
4188	485363.09	3855877.25	0.35566	1.05E-02	1.07E-02	1.07E-02
4189	485863.09	3855877.25	0.38396	1.13E-02	1.15E-02	1.15E-02
4190	486363.09	3855877.25	0.34496	1.02E-02	1.04E-02	1.04E-02
4191	486863.09	3855877.25	0.33973	1.00E-02	1.02E-02	1.02E-02
4192	487363.09	3855877.25	0.31174	9.19E-03	9.37E-03	9.36E-03
4193	487863.09	3855877.25	0.32409	9.55E-03	9.74E-03	9.73E-03
4194	488363.09	3855877.25	0.36909	1.09E-02	1.11E-02	1.11E-02
4195	488863.09	3855877.25	0.35415	1.04E-02	1.06E-02	1.06E-02
4196	489363.09	3855877.25	0.34295	1.01E-02	1.03E-02	1.03E-02
4197	489863.09	3855877.25	0.31871	9.39E-03	9.58E-03	9.57E-03
4198	490363.09	3855877.25	0.28832	8.50E-03	8.67E-03	8.66E-03
4199	490863.09	3855877.25	0.28358	8.36E-03	8.53E-03	8.52E-03
4200	491363.09	3855877.25	0.28387	8.36E-03	8.54E-03	8.53E-03
4201	491863.09	3855877.25	0.26364	7.77E-03	7.93E-03	7.92E-03
4202	492363.09	3855877.25	0.25347	7.47E-03	7.62E-03	7.61E-03
4203	492863.09	3855877.25	0.22729	6.70E-03	6.83E-03	6.83E-03
4204	493363.09	3855877.25	0.1922	5.66E-03	5.78E-03	5.77E-03
4205	493863.09	3855877.25	0.13165	3.88E-03	3.96E-03	3.95E-03
4206	494363.09	3855877.25	0.07101	2.09E-03	2.14E-03	2.13E-03
4207	494863.09	3855877.25	0.05108	1.51E-03	1.54E-03	1.53E-03
4208	495363.09	3855877.25	0.0373	1.10E-03	1.12E-03	1.12E-03
4209	495863.09	3855877.25	0.03477	1.02E-03	1.05E-03	1.04E-03
4210	496363.09	3855877.25	0.03516	1.04E-03	1.06E-03	1.06E-03
4211	496863.09	3855877.25	0.03585	1.06E-03	1.08E-03	1.08E-03
4212	497363.09	3855877.25	0.03869	1.14E-03	1.16E-03	1.16E-03
4213	497863.09	3855877.25	0.04302	1.27E-03	1.29E-03	1.29E-03
4214	498363.09	3855877.25	0.05552	1.64E-03	1.67E-03	1.67E-03
4215	471363.09	3856377.25	0.14838	4.37E-03	4.46E-03	4.46E-03
4216	471863.09	3856377.25	0.14608	4.30E-03	4.39E-03	4.39E-03
4217	472363.09	3856377.25	0.14917	4.40E-03	4.49E-03	4.48E-03

4218	472863.09	3856377.25	0.15539	4.58E-03	4.67E-03	4.67E-03
4219	473363.09	3856377.25	0.165	4.86E-03	4.96E-03	4.96E-03
4220	473863.09	3856377.25	0.17818	5.25E-03	5.36E-03	5.35E-03
4221	474363.09	3856377.25	0.17288	5.09E-03	5.20E-03	5.19E-03
4222	474863.09	3856377.25	0.1515	4.46E-03	4.56E-03	4.55E-03
4223	475363.09	3856377.25	0.10701	3.15E-03	3.22E-03	3.21E-03
4224	475863.09	3856377.25	0.07347	2.16E-03	2.21E-03	2.21E-03
4225	476363.09	3856377.25	0.06241	1.84E-03	1.88E-03	1.87E-03
4226	476863.09	3856377.25	0.06191	1.82E-03	1.86E-03	1.86E-03
4227	477363.09	3856377.25	0.06431	1.89E-03	1.93E-03	1.93E-03
4228	477863.09	3856377.25	0.04538	1.34E-03	1.36E-03	1.36E-03
4229	478363.09	3856377.25	0.03671	1.08E-03	1.10E-03	1.10E-03
4230	478863.09	3856377.25	0.08395	2.47E-03	2.52E-03	2.52E-03
4231	479363.09	3856377.25	0.1057	3.11E-03	3.18E-03	3.17E-03
4232	479863.09	3856377.25	0.1607	4.74E-03	4.83E-03	4.83E-03
4233	480363.09	3856377.25	0.18944	5.58E-03	5.70E-03	5.69E-03
4234	480863.09	3856377.25	0.21013	6.19E-03	6.32E-03	6.31E-03
4235	481363.09	3856377.25	0.2306	6.79E-03	6.93E-03	6.93E-03
4236	481863.09	3856377.25	0.23733	6.99E-03	7.14E-03	7.13E-03
4237	482363.09	3856377.25	0.22989	6.77E-03	6.91E-03	6.90E-03
4238	482863.09	3856377.25	0.23274	6.86E-03	7.00E-03	6.99E-03
4239	483363.09	3856377.25	0.25656	7.56E-03	7.71E-03	7.71E-03
4240	483863.09	3856377.25	0.25235	7.44E-03	7.59E-03	7.58E-03
4241	484363.09	3856377.25	0.27701	8.16E-03	8.33E-03	8.32E-03
4242	484863.09	3856377.25	0.28476	8.39E-03	8.56E-03	8.55E-03
4243	485363.09	3856377.25	0.30519	8.99E-03	9.18E-03	9.17E-03
4244	485863.09	3856377.25	0.31509	9.28E-03	9.47E-03	9.46E-03
4245	486363.09	3856377.25	0.33927	1.00E-02	1.02E-02	1.02E-02
4246	486863.09	3856377.25	0.30769	9.07E-03	9.25E-03	9.24E-03
4247	487363.09	3856377.25	0.30891	9.10E-03	9.29E-03	9.28E-03
4248	487863.09	3856377.25	0.27334	8.05E-03	8.22E-03	8.21E-03
4249	488363.09	3856377.25	0.27233	8.02E-03	8.19E-03	8.18E-03
4250	488863.09	3856377.25	0.30147	8.88E-03	9.06E-03	9.05E-03
4251	489363.09	3856377.25	0.30807	9.08E-03	9.26E-03	9.25E-03
4252	489863.09	3856377.25	0.29122	8.58E-03	8.76E-03	8.75E-03
4253	490363.09	3856377.25	0.28935	8.53E-03	8.70E-03	8.69E-03
4254	490863.09	3856377.25	0.27858	8.21E-03	8.38E-03	8.37E-03
4255	491363.09	3856377.25	0.25684	7.57E-03	7.72E-03	7.71E-03
4256	491863.09	3856377.25	0.25547	7.53E-03	7.68E-03	7.67E-03
4257	492363.09	3856377.25	0.25011	7.37E-03	7.52E-03	7.51E-03
4258	492863.09	3856377.25	0.24027	7.08E-03	7.22E-03	7.22E-03
4259	493363.09	3856377.25	0.1763	5.19E-03	5.30E-03	5.29E-03
4260	493863.09	3856377.25	0.1101	3.24E-03	3.31E-03	3.31E-03
4261	494363.09	3856377.25	0.05875	1.73E-03	1.77E-03	1.76E-03
4262	494863.09	3856377.25	0.04116	1.21E-03	1.24E-03	1.24E-03
4263	495363.09	3856377.25	0.03486	1.03E-03	1.05E-03	1.05E-03
4264	495863.09	3856377.25	0.03593	1.06E-03	1.08E-03	1.08E-03
4265	496363.09	3856377.25	0.03664	1.08E-03	1.10E-03	1.10E-03
4266	496863.09	3856377.25	0.03795	1.12E-03	1.14E-03	1.14E-03
4267	497363.09	3856377.25	0.04209	1.24E-03	1.27E-03	1.26E-03
4268	497863.09	3856377.25	0.04552	1.34E-03	1.37E-03	1.37E-03
4269	498363.09	3856377.25	0.06478	1.91E-03	1.95E-03	1.95E-03
4270	471363.09	3856877.25	0.15526	4.57E-03	4.67E-03	4.66E-03
4271	471863.09	3856877.25	0.15268	4.50E-03	4.59E-03	4.59E-03
4272	472363.09	3856877.25	0.15458	4.55E-03	4.65E-03	4.64E-03
4273	472863.09	3856877.25	0.1565	4.61E-03	4.71E-03	4.70E-03
4274	473363.09	3856877.25	0.16269	4.79E-03	4.89E-03	4.89E-03
4275	473863.09	3856877.25	0.16574	4.88E-03	4.98E-03	4.98E-03
4276	474363.09	3856877.25	0.15188	4.48E-03	4.57E-03	4.56E-03
4277	474863.09	3856877.25	0.13192	3.89E-03	3.97E-03	3.96E-03
4278	475363.09	3856877.25	0.11334	3.34E-03	3.41E-03	3.40E-03
4279	475863.09	3856877.25	0.11476	3.38E-03	3.45E-03	3.45E-03
4280	476363.09	3856877.25	0.09008	2.65E-03	2.71E-03	2.71E-03

4281	476863.09	3856877.25	0.07954	2.34E-03	2.39E-03	2.39E-03
4282	477363.09	3856877.25	0.0618	1.82E-03	1.86E-03	1.86E-03
4283	477863.09	3856877.25	0.03655	1.08E-03	1.10E-03	1.10E-03
4284	478363.09	3856877.25	0.03258	9.60E-04	9.80E-04	9.78E-04
4285	478863.09	3856877.25	0.04345	1.28E-03	1.31E-03	1.30E-03
4286	479363.09	3856877.25	0.06075	1.79E-03	1.83E-03	1.82E-03
4287	479863.09	3856877.25	0.14248	4.20E-03	4.28E-03	4.28E-03
4288	480363.09	3856877.25	0.18886	5.57E-03	5.68E-03	5.67E-03
4289	480863.09	3856877.25	0.21748	6.41E-03	6.54E-03	6.53E-03
4290	481363.09	3856877.25	0.22245	6.55E-03	6.69E-03	6.68E-03
4291	481863.09	3856877.25	0.22702	6.69E-03	6.83E-03	6.82E-03
4292	482363.09	3856877.25	0.21159	6.23E-03	6.36E-03	6.35E-03
4293	482863.09	3856877.25	0.20802	6.13E-03	6.25E-03	6.25E-03
4294	483363.09	3856877.25	0.2209	6.51E-03	6.64E-03	6.63E-03
4295	483863.09	3856877.25	0.22256	6.56E-03	6.69E-03	6.68E-03
4296	484363.09	3856877.25	0.25023	7.37E-03	7.52E-03	7.52E-03
4297	484863.09	3856877.25	0.27476	8.10E-03	8.26E-03	8.25E-03
4298	485363.09	3856877.25	0.3031	8.93E-03	9.11E-03	9.10E-03
4299	485863.09	3856877.25	0.31862	9.39E-03	9.58E-03	9.57E-03
4300	486363.09	3856877.25	0.30689	9.04E-03	9.23E-03	9.22E-03
4301	486863.09	3856877.25	0.31607	9.31E-03	9.50E-03	9.49E-03
4302	487363.09	3856877.25	0.28924	8.52E-03	8.70E-03	8.69E-03
4303	487863.09	3856877.25	0.32215	9.49E-03	9.69E-03	9.67E-03
4304	488363.09	3856877.25	0.2674	7.88E-03	8.04E-03	8.03E-03
4305	488863.09	3856877.25	0.26686	7.86E-03	8.02E-03	8.01E-03
4306	489363.09	3856877.25	0.26534	7.82E-03	7.98E-03	7.97E-03
4307	489863.09	3856877.25	0.26901	7.93E-03	8.09E-03	8.08E-03
4308	490363.09	3856877.25	0.28371	8.36E-03	8.53E-03	8.52E-03
4309	490863.09	3856877.25	0.27291	8.04E-03	8.21E-03	8.20E-03
4310	491363.09	3856877.25	0.25122	7.40E-03	7.55E-03	7.54E-03
4311	491863.09	3856877.25	0.25094	7.39E-03	7.55E-03	7.54E-03
4312	492363.09	3856877.25	0.23917	7.05E-03	7.19E-03	7.18E-03
4313	492863.09	3856877.25	0.20094	5.92E-03	6.04E-03	6.03E-03
4314	493363.09	3856877.25	0.15498	4.57E-03	4.66E-03	4.65E-03
4315	493863.09	3856877.25	0.08184	2.41E-03	2.46E-03	2.46E-03
4316	494363.09	3856877.25	0.04936	1.45E-03	1.48E-03	1.48E-03
4317	494863.09	3856877.25	0.04202	1.24E-03	1.26E-03	1.26E-03
4318	495363.09	3856877.25	0.03678	1.08E-03	1.11E-03	1.10E-03
4319	495863.09	3856877.25	0.03704	1.09E-03	1.11E-03	1.11E-03
4320	496363.09	3856877.25	0.03838	1.13E-03	1.15E-03	1.15E-03
4321	496863.09	3856877.25	0.03869	1.14E-03	1.16E-03	1.16E-03
4322	497363.09	3856877.25	0.04479	1.32E-03	1.35E-03	1.35E-03
4323	497863.09	3856877.25	0.0546	1.61E-03	1.64E-03	1.64E-03
4324	498363.09	3856877.25	0.07258	2.14E-03	2.18E-03	2.18E-03
4325	471363.09	3857377.25	0.15355	4.52E-03	4.62E-03	4.61E-03
4326	471863.09	3857377.25	0.1508	4.44E-03	4.53E-03	4.53E-03
4327	472363.09	3857377.25	0.14953	4.41E-03	4.50E-03	4.49E-03
4328	472863.09	3857377.25	0.14977	4.41E-03	4.50E-03	4.50E-03
4329	473363.09	3857377.25	0.15256	4.50E-03	4.59E-03	4.58E-03
4330	473863.09	3857377.25	0.15832	4.67E-03	4.76E-03	4.75E-03
4331	474363.09	3857377.25	0.14921	4.40E-03	4.49E-03	4.48E-03
4332	474863.09	3857377.25	0.11334	3.34E-03	3.41E-03	3.40E-03
4333	475363.09	3857377.25	0.07128	2.10E-03	2.14E-03	2.14E-03
4334	475863.09	3857377.25	0.06168	1.82E-03	1.85E-03	1.85E-03
4335	476363.09	3857377.25	0.07913	2.33E-03	2.38E-03	2.38E-03
4336	476863.09	3857377.25	0.07702	2.27E-03	2.32E-03	2.31E-03
4337	477363.09	3857377.25	0.06198	1.83E-03	1.86E-03	1.86E-03
4338	477863.09	3857377.25	0.04384	1.29E-03	1.32E-03	1.32E-03
4339	478363.09	3857377.25	0.02834	8.35E-04	8.52E-04	8.51E-04
4340	478863.09	3857377.25	0.02203	6.49E-04	6.62E-04	6.62E-04
4341	479363.09	3857377.25	0.04341	1.28E-03	1.31E-03	1.30E-03
4342	479863.09	3857377.25	0.1183	3.49E-03	3.56E-03	3.55E-03
4343	480363.09	3857377.25	0.10708	3.16E-03	3.22E-03	3.22E-03

4344	480863.09	3857377.25	0.2004	5.91E-03	6.03E-03	6.02E-03
4345	481363.09	3857377.25	0.19613	5.78E-03	5.90E-03	5.89E-03
4346	481863.09	3857377.25	0.21196	6.25E-03	6.37E-03	6.37E-03
4347	482363.09	3857377.25	0.22282	6.57E-03	6.70E-03	6.69E-03
4348	482863.09	3857377.25	0.21793	6.42E-03	6.55E-03	6.54E-03
4349	483363.09	3857377.25	0.22494	6.63E-03	6.76E-03	6.76E-03
4350	483863.09	3857377.25	0.22184	6.54E-03	6.67E-03	6.66E-03
4351	484363.09	3857377.25	0.23527	6.93E-03	7.07E-03	7.07E-03
4352	484863.09	3857377.25	0.26188	7.72E-03	7.87E-03	7.86E-03
4353	485363.09	3857377.25	0.31416	9.26E-03	9.45E-03	9.44E-03
4354	485863.09	3857377.25	0.30485	8.98E-03	9.17E-03	9.16E-03
4355	486363.09	3857377.25	0.39322	1.16E-02	1.18E-02	1.18E-02
4356	486863.09	3857377.25	0.35857	1.06E-02	1.08E-02	1.08E-02
4357	487363.09	3857377.25	0.3447	1.02E-02	1.04E-02	1.04E-02
4358	487863.09	3857377.25	0.33154	9.77E-03	9.97E-03	9.96E-03
4359	488363.09	3857377.25	0.3984	1.17E-02	1.20E-02	1.20E-02
4360	488863.09	3857377.25	0.31898	9.40E-03	9.59E-03	9.58E-03
4361	489363.09	3857377.25	0.29684	8.75E-03	8.93E-03	8.91E-03
4362	489863.09	3857377.25	0.28545	8.41E-03	8.58E-03	8.57E-03
4363	490363.09	3857377.25	0.26387	7.78E-03	7.93E-03	7.92E-03
4364	490863.09	3857377.25	0.25734	7.58E-03	7.74E-03	7.73E-03
4365	491363.09	3857377.25	0.26928	7.93E-03	8.10E-03	8.09E-03
4366	491863.09	3857377.25	0.25682	7.57E-03	7.72E-03	7.71E-03
4367	492363.09	3857377.25	0.25949	7.65E-03	7.80E-03	7.79E-03
4368	492863.09	3857377.25	0.1916	5.65E-03	5.76E-03	5.75E-03
4369	493363.09	3857377.25	0.0944	2.78E-03	2.84E-03	2.84E-03
4370	493863.09	3857377.25	0.062	1.83E-03	1.86E-03	1.86E-03
4371	494363.09	3857377.25	0.05181	1.53E-03	1.56E-03	1.56E-03
4372	494863.09	3857377.25	0.0509	1.50E-03	1.53E-03	1.53E-03
4373	495363.09	3857377.25	0.04863	1.43E-03	1.46E-03	1.46E-03
4374	495863.09	3857377.25	0.04604	1.36E-03	1.38E-03	1.38E-03
4375	496363.09	3857377.25	0.04852	1.43E-03	1.46E-03	1.46E-03
4376	496863.09	3857377.25	0.05073	1.49E-03	1.53E-03	1.52E-03
4377	497363.09	3857377.25	0.05455	1.61E-03	1.64E-03	1.64E-03
4378	497863.09	3857377.25	0.06504	1.92E-03	1.96E-03	1.95E-03
4379	498363.09	3857377.25	0.10159	2.99E-03	3.05E-03	3.05E-03
4380	471363.09	3857877.25	0.15464	4.56E-03	4.65E-03	4.64E-03
4381	471863.09	3857877.25	0.15412	4.54E-03	4.63E-03	4.63E-03
4382	472363.09	3857877.25	0.15436	4.55E-03	4.64E-03	4.64E-03
4383	472863.09	3857877.25	0.15636	4.61E-03	4.70E-03	4.70E-03
4384	473363.09	3857877.25	0.15427	4.55E-03	4.64E-03	4.63E-03
4385	473863.09	3857877.25	0.15409	4.54E-03	4.63E-03	4.63E-03
4386	474363.09	3857877.25	0.13886	4.09E-03	4.18E-03	4.17E-03
4387	474863.09	3857877.25	0.09994	2.94E-03	3.00E-03	3.00E-03
4388	475363.09	3857877.25	0.05037	1.48E-03	1.51E-03	1.51E-03
4389	475863.09	3857877.25	0.01581	4.66E-04	4.75E-04	4.75E-04
4390	476363.09	3857877.25	0.04888	1.44E-03	1.47E-03	1.47E-03
4391	476863.09	3857877.25	0.05762	1.70E-03	1.73E-03	1.73E-03
4392	477363.09	3857877.25	0.0581	1.71E-03	1.75E-03	1.74E-03
4393	477863.09	3857877.25	0.0506	1.49E-03	1.52E-03	1.52E-03
4394	478363.09	3857877.25	0.02152	6.34E-04	6.47E-04	6.46E-04
4395	478863.09	3857877.25	0.01646	4.85E-04	4.95E-04	4.94E-04
4396	479363.09	3857877.25	0.10596	3.12E-03	3.19E-03	3.18E-03
4397	479863.09	3857877.25	0.15146	4.46E-03	4.55E-03	4.55E-03
4398	480363.09	3857877.25	0.17811	5.25E-03	5.36E-03	5.35E-03
4399	480863.09	3857877.25	0.17978	5.30E-03	5.41E-03	5.40E-03
4400	481363.09	3857877.25	0.18638	5.49E-03	5.60E-03	5.60E-03
4401	481863.09	3857877.25	0.211	6.22E-03	6.34E-03	6.34E-03
4402	482363.09	3857877.25	0.22385	6.60E-03	6.73E-03	6.72E-03
4403	482863.09	3857877.25	0.20846	6.14E-03	6.27E-03	6.26E-03
4404	483363.09	3857877.25	0.21567	6.36E-03	6.48E-03	6.48E-03
4405	483863.09	3857877.25	0.23874	7.03E-03	7.18E-03	7.17E-03
4406	484363.09	3857877.25	0.23304	6.87E-03	7.01E-03	7.00E-03

4407	484863.09	3857877.25	0.28252	8.32E-03	8.49E-03	8.48E-03
4408	485363.09	3857877.25	0.29605	8.72E-03	8.90E-03	8.89E-03
4409	485863.09	3857877.25	0.29842	8.79E-03	8.97E-03	8.96E-03
4410	486363.09	3857877.25	0.38055	1.12E-02	1.14E-02	1.14E-02
4411	486863.09	3857877.25	0.42227	1.24E-02	1.27E-02	1.27E-02
4412	487363.09	3857877.25	0.52296	1.54E-02	1.57E-02	1.57E-02
4413	487863.09	3857877.25	0.50981	1.50E-02	1.53E-02	1.53E-02
4414	488363.09	3857877.25	0.5182	1.53E-02	1.56E-02	1.56E-02
4415	488863.09	3857877.25	0.45584	1.34E-02	1.37E-02	1.37E-02
4416	489363.09	3857877.25	0.38789	1.14E-02	1.17E-02	1.16E-02
4417	489863.09	3857877.25	0.35064	1.03E-02	1.05E-02	1.05E-02
4418	490363.09	3857877.25	0.3321	9.79E-03	9.99E-03	9.97E-03
4419	490863.09	3857877.25	0.29646	8.74E-03	8.91E-03	8.90E-03
4420	491363.09	3857877.25	0.26615	7.84E-03	8.00E-03	7.99E-03
4421	491863.09	3857877.25	0.23399	6.89E-03	7.04E-03	7.03E-03
4422	492363.09	3857877.25	0.21767	6.41E-03	6.54E-03	6.54E-03
4423	492863.09	3857877.25	0.15808	4.66E-03	4.75E-03	4.75E-03
4424	493363.09	3857877.25	0.12988	3.83E-03	3.91E-03	3.90E-03
4425	493863.09	3857877.25	0.10589	3.12E-03	3.18E-03	3.18E-03
4426	494363.09	3857877.25	0.08626	2.54E-03	2.59E-03	2.59E-03
4427	494863.09	3857877.25	0.06444	1.90E-03	1.94E-03	1.94E-03
4428	495363.09	3857877.25	0.05992	1.77E-03	1.80E-03	1.80E-03
4429	495863.09	3857877.25	0.06806	2.01E-03	2.05E-03	2.04E-03
4430	496363.09	3857877.25	0.07105	2.09E-03	2.14E-03	2.13E-03
4431	496863.09	3857877.25	0.07626	2.25E-03	2.29E-03	2.29E-03
4432	497363.09	3857877.25	0.08291	2.44E-03	2.49E-03	2.49E-03
4433	497863.09	3857877.25	0.10484	3.09E-03	3.15E-03	3.15E-03
4434	498363.09	3857877.25	0.1287	3.79E-03	3.87E-03	3.87E-03
4435	471363.09	3858377.25	0.14622	4.31E-03	4.40E-03	4.39E-03
4436	471863.09	3858377.25	0.14667	4.32E-03	4.41E-03	4.40E-03
4437	472363.09	3858377.25	0.14575	4.29E-03	4.38E-03	4.38E-03
4438	472863.09	3858377.25	0.1483	4.37E-03	4.46E-03	4.45E-03
4439	473363.09	3858377.25	0.14711	4.33E-03	4.42E-03	4.42E-03
4440	473863.09	3858377.25	0.14558	4.29E-03	4.38E-03	4.37E-03
4441	474363.09	3858377.25	0.12505	3.68E-03	3.76E-03	3.76E-03
4442	474863.09	3858377.25	0.09284	2.74E-03	2.79E-03	2.79E-03
4443	475363.09	3858377.25	0.05827	1.72E-03	1.75E-03	1.75E-03
4444	475863.09	3858377.25	0.03985	1.17E-03	1.20E-03	1.20E-03
4445	476363.09	3858377.25	0.04063	1.20E-03	1.22E-03	1.22E-03
4446	476863.09	3858377.25	0.04033	1.19E-03	1.21E-03	1.21E-03
4447	477363.09	3858377.25	0.03799	1.12E-03	1.14E-03	1.14E-03
4448	477863.09	3858377.25	0.05192	1.53E-03	1.56E-03	1.56E-03
4449	478363.09	3858377.25	0.0567	1.67E-03	1.70E-03	1.70E-03
4450	478863.09	3858377.25	0.03307	9.74E-04	9.94E-04	9.93E-04
4451	479363.09	3858377.25	0.1023	3.01E-03	3.08E-03	3.07E-03
4452	479863.09	3858377.25	0.15177	4.47E-03	4.56E-03	4.56E-03
4453	480363.09	3858377.25	0.16147	4.76E-03	4.86E-03	4.85E-03
4454	480863.09	3858377.25	0.15935	4.70E-03	4.79E-03	4.79E-03
4455	481363.09	3858377.25	0.16185	4.77E-03	4.87E-03	4.86E-03
4456	481863.09	3858377.25	0.15742	4.64E-03	4.73E-03	4.73E-03
4457	482363.09	3858377.25	0.17885	5.27E-03	5.38E-03	5.37E-03
4458	482863.09	3858377.25	0.21568	6.36E-03	6.49E-03	6.48E-03
4459	483363.09	3858377.25	0.22556	6.65E-03	6.78E-03	6.77E-03
4460	483863.09	3858377.25	0.24353	7.18E-03	7.32E-03	7.31E-03
4461	484363.09	3858377.25	0.26199	7.72E-03	7.88E-03	7.87E-03
4462	484863.09	3858377.25	0.28683	8.45E-03	8.62E-03	8.61E-03
4463	485363.09	3858377.25	0.30538	9.00E-03	9.18E-03	9.17E-03
4464	485863.09	3858377.25	0.32355	9.53E-03	9.73E-03	9.72E-03
4465	486363.09	3858377.25	0.39267	1.16E-02	1.18E-02	1.18E-02
4466	486863.09	3858377.25	0.45013	1.33E-02	1.35E-02	1.35E-02
4467	487363.09	3858377.25	0.59935	1.77E-02	1.80E-02	1.80E-02
4468	487863.09	3858377.25	0.71226	2.10E-02	2.14E-02	2.14E-02
4469	488363.09	3858377.25	0.82641	2.44E-02	2.48E-02	2.48E-02

4470	488863.09	3858377.25	0.68679	2.02E-02	2.07E-02	2.06E-02
4471	489363.09	3858377.25	0.64464	1.90E-02	1.94E-02	1.94E-02
4472	489863.09	3858377.25	0.58926	1.74E-02	1.77E-02	1.77E-02
4473	490363.09	3858377.25	0.48477	1.43E-02	1.46E-02	1.46E-02
4474	490863.09	3858377.25	0.39012	1.15E-02	1.17E-02	1.17E-02
4475	491363.09	3858377.25	0.3172	9.35E-03	9.54E-03	9.53E-03
4476	491863.09	3858377.25	0.24571	7.24E-03	7.39E-03	7.38E-03
4477	492363.09	3858377.25	0.19834	5.84E-03	5.96E-03	5.96E-03
4478	492863.09	3858377.25	0.2044	6.02E-03	6.15E-03	6.14E-03
4479	493363.09	3858377.25	0.19223	5.66E-03	5.78E-03	5.77E-03
4480	493863.09	3858377.25	0.18623	5.49E-03	5.60E-03	5.59E-03
4481	494363.09	3858377.25	0.17094	5.04E-03	5.14E-03	5.13E-03
4482	494863.09	3858377.25	0.15057	4.44E-03	4.53E-03	4.52E-03
4483	495363.09	3858377.25	0.11756	3.46E-03	3.53E-03	3.53E-03
4484	495863.09	3858377.25	0.0969	2.86E-03	2.91E-03	2.91E-03
4485	496363.09	3858377.25	0.10637	3.13E-03	3.20E-03	3.19E-03
4486	496863.09	3858377.25	0.12586	3.71E-03	3.78E-03	3.78E-03
4487	497363.09	3858377.25	0.12484	3.68E-03	3.75E-03	3.75E-03
4488	497863.09	3858377.25	0.15286	4.50E-03	4.60E-03	4.59E-03
4489	498363.09	3858377.25	0.17171	5.06E-03	5.16E-03	5.16E-03
4490	471363.09	3858877.25	0.14082	4.15E-03	4.23E-03	4.23E-03
4491	471863.09	3858877.25	0.13876	4.09E-03	4.17E-03	4.17E-03
4492	472363.09	3858877.25	0.14082	4.15E-03	4.23E-03	4.23E-03
4493	472863.09	3858877.25	0.13855	4.08E-03	4.17E-03	4.16E-03
4494	473363.09	3858877.25	0.14265	4.20E-03	4.29E-03	4.28E-03
4495	473863.09	3858877.25	0.14198	4.18E-03	4.27E-03	4.26E-03
4496	474363.09	3858877.25	0.12828	3.78E-03	3.86E-03	3.85E-03
4497	474863.09	3858877.25	0.05808	1.71E-03	1.75E-03	1.74E-03
4498	475363.09	3858877.25	0.04	1.18E-03	1.20E-03	1.20E-03
4499	475863.09	3858877.25	0.04866	1.43E-03	1.46E-03	1.46E-03
4500	476363.09	3858877.25	0.02286	6.74E-04	6.87E-04	6.87E-04
4501	476863.09	3858877.25	0.02843	8.38E-04	8.55E-04	8.54E-04
4502	477363.09	3858877.25	0.02963	8.73E-04	8.91E-04	8.90E-04
4503	477863.09	3858877.25	0.0383	1.13E-03	1.15E-03	1.15E-03
4504	478363.09	3858877.25	0.08361	2.46E-03	2.51E-03	2.51E-03
4505	478863.09	3858877.25	0.06972	2.05E-03	2.10E-03	2.09E-03
4506	479363.09	3858877.25	0.05784	1.70E-03	1.74E-03	1.74E-03
4507	479863.09	3858877.25	0.15921	4.69E-03	4.79E-03	4.78E-03
4508	480363.09	3858877.25	0.16533	4.87E-03	4.97E-03	4.97E-03
4509	480863.09	3858877.25	0.1715	5.05E-03	5.16E-03	5.15E-03
4510	481363.09	3858877.25	0.16864	4.97E-03	5.07E-03	5.06E-03
4511	481863.09	3858877.25	0.17345	5.11E-03	5.22E-03	5.21E-03
4512	482363.09	3858877.25	0.2012	5.93E-03	6.05E-03	6.04E-03
4513	482863.09	3858877.25	0.20401	6.01E-03	6.13E-03	6.13E-03
4514	483363.09	3858877.25	0.20134	5.93E-03	6.05E-03	6.05E-03
4515	483863.09	3858877.25	0.21424	6.31E-03	6.44E-03	6.43E-03
4516	484363.09	3858877.25	0.24258	7.15E-03	7.29E-03	7.29E-03
4517	484863.09	3858877.25	0.28126	8.29E-03	8.46E-03	8.45E-03
4518	485363.09	3858877.25	0.32172	9.48E-03	9.67E-03	9.66E-03
4519	485863.09	3858877.25	0.36604	1.08E-02	1.10E-02	1.10E-02
4520	486363.09	3858877.25	0.43567	1.28E-02	1.31E-02	1.31E-02
4521	486863.09	3858877.25	0.51007	1.50E-02	1.53E-02	1.53E-02
4522	487363.09	3858877.25	0.629	1.85E-02	1.89E-02	1.89E-02
4523	487863.09	3858877.25	0.79594	2.35E-02	2.39E-02	2.39E-02
4524	488363.09	3858877.25	1.32195	3.90E-02	3.97E-02	3.97E-02
4525	488863.09	3858877.25	4.44712	1.31E-01	1.34E-01	1.34E-01
4526	489363.09	3858877.25	2.19668	6.47E-02	6.60E-02	6.60E-02
4527	489863.09	3858877.25	1.45823	4.30E-02	4.38E-02	4.38E-02
4528	490363.09	3858877.25	0.91634	2.70E-02	2.76E-02	2.75E-02
4529	490863.09	3858877.25	0.515	1.52E-02	1.55E-02	1.55E-02
4530	491363.09	3858877.25	0.33032	9.73E-03	9.93E-03	9.92E-03
4531	491863.09	3858877.25	0.24698	7.28E-03	7.43E-03	7.42E-03
4532	492363.09	3858877.25	0.26895	7.92E-03	8.09E-03	8.08E-03

4533	492863.09	3858877.25	0.30819	9.08E-03	9.27E-03	9.26E-03
4534	493363.09	3858877.25	0.27553	8.12E-03	8.28E-03	8.27E-03
4535	493863.09	3858877.25	0.24492	7.22E-03	7.36E-03	7.36E-03
4536	494363.09	3858877.25	0.23054	6.79E-03	6.93E-03	6.92E-03
4537	494863.09	3858877.25	0.22305	6.57E-03	6.71E-03	6.70E-03
4538	495363.09	3858877.25	0.20847	6.14E-03	6.27E-03	6.26E-03
4539	495863.09	3858877.25	0.2053	6.05E-03	6.17E-03	6.17E-03
4540	496363.09	3858877.25	0.19094	5.63E-03	5.74E-03	5.73E-03
4541	496863.09	3858877.25	0.15666	4.62E-03	4.71E-03	4.70E-03
4542	497363.09	3858877.25	0.15566	4.59E-03	4.68E-03	4.67E-03
4543	497863.09	3858877.25	0.18406	5.42E-03	5.53E-03	5.53E-03
4544	498363.09	3858877.25	0.19693	5.80E-03	5.92E-03	5.91E-03
4545	471363.09	3859377.25	0.12728	3.75E-03	3.83E-03	3.82E-03
4546	471863.09	3859377.25	0.13081	3.85E-03	3.93E-03	3.93E-03
4547	472363.09	3859377.25	0.13269	3.91E-03	3.99E-03	3.99E-03
4548	472863.09	3859377.25	0.13218	3.89E-03	3.97E-03	3.97E-03
4549	473363.09	3859377.25	0.1301	3.83E-03	3.91E-03	3.91E-03
4550	473863.09	3859377.25	0.12634	3.72E-03	3.80E-03	3.79E-03
4551	474363.09	3859377.25	0.11114	3.27E-03	3.34E-03	3.34E-03
4552	474863.09	3859377.25	0.08523	2.51E-03	2.56E-03	2.56E-03
4553	475363.09	3859377.25	0.05496	1.62E-03	1.65E-03	1.65E-03
4554	475863.09	3859377.25	0.03273	9.64E-04	9.84E-04	9.83E-04
4555	476363.09	3859377.25	0.02691	7.93E-04	8.09E-04	8.08E-04
4556	476863.09	3859377.25	0.02028	5.98E-04	6.10E-04	6.09E-04
4557	477363.09	3859377.25	0.02071	6.10E-04	6.23E-04	6.22E-04
4558	477863.09	3859377.25	0.04629	1.36E-03	1.39E-03	1.39E-03
4559	478363.09	3859377.25	0.0719	2.12E-03	2.16E-03	2.16E-03
4560	478863.09	3859377.25	0.10548	3.11E-03	3.17E-03	3.17E-03
4561	479363.09	3859377.25	0.11843	3.49E-03	3.56E-03	3.56E-03
4562	479863.09	3859377.25	0.13109	3.86E-03	3.94E-03	3.94E-03
4563	480363.09	3859377.25	0.14805	4.36E-03	4.45E-03	4.45E-03
4564	480863.09	3859377.25	0.16388	4.83E-03	4.93E-03	4.92E-03
4565	481363.09	3859377.25	0.1686	4.97E-03	5.07E-03	5.06E-03
4566	481863.09	3859377.25	0.18052	5.32E-03	5.43E-03	5.42E-03
4567	482363.09	3859377.25	0.19136	5.64E-03	5.75E-03	5.75E-03
4568	482863.09	3859377.25	0.2041	6.01E-03	6.14E-03	6.13E-03
4569	483363.09	3859377.25	0.21887	6.45E-03	6.58E-03	6.57E-03
4570	483863.09	3859377.25	0.21485	6.33E-03	6.46E-03	6.45E-03
4571	484363.09	3859377.25	0.23105	6.81E-03	6.95E-03	6.94E-03
4572	484863.09	3859377.25	0.25499	7.51E-03	7.67E-03	7.66E-03
4573	485363.09	3859377.25	0.28489	8.39E-03	8.57E-03	8.56E-03
4574	485863.09	3859377.25	0.33046	9.74E-03	9.94E-03	9.92E-03
4575	486363.09	3859377.25	0.39953	1.18E-02	1.20E-02	1.20E-02
4576	486863.09	3859377.25	0.48958	1.44E-02	1.47E-02	1.47E-02
4577	487363.09	3859377.25	0.60031	1.77E-02	1.81E-02	1.80E-02
4578	487863.09	3859377.25	0.80374	2.37E-02	2.42E-02	2.41E-02
4579	488363.09	3859377.25	1.25555	3.70E-02	3.78E-02	3.77E-02
4580	488863.09	3859377.25	2.13987	6.31E-02	6.43E-02	6.43E-02
4581	489363.09	3859377.25	4.34432	1.28E-01	1.31E-01	1.30E-01
4582	489863.09	3859377.25	6.64157	1.96E-01	2.00E-01	1.99E-01
4583	490363.09	3859377.25	2.63691	7.77E-02	7.93E-02	7.92E-02
4584	490863.09	3859377.25	1.0745	3.17E-02	3.23E-02	3.23E-02
4585	491363.09	3859377.25	0.41515	1.22E-02	1.25E-02	1.25E-02
4586	491863.09	3859377.25	0.54565	1.61E-02	1.64E-02	1.64E-02
4587	492363.09	3859377.25	0.47254	1.39E-02	1.42E-02	1.42E-02
4588	492863.09	3859377.25	0.45475	1.34E-02	1.37E-02	1.37E-02
4589	493363.09	3859377.25	0.35161	1.04E-02	1.06E-02	1.06E-02
4590	493863.09	3859377.25	0.32487	9.57E-03	9.77E-03	9.76E-03
4591	494363.09	3859377.25	0.29962	8.83E-03	9.01E-03	9.00E-03
4592	494863.09	3859377.25	0.25365	7.47E-03	7.63E-03	7.62E-03
4593	495363.09	3859377.25	0.24915	7.34E-03	7.49E-03	7.48E-03
4594	495863.09	3859377.25	0.24947	7.35E-03	7.50E-03	7.49E-03
4595	496363.09	3859377.25	0.24534	7.23E-03	7.38E-03	7.37E-03

4596	496863.09	3859377.25	0.23482	6.92E-03	7.06E-03	7.05E-03
4597	497363.09	3859377.25	0.22415	6.60E-03	6.74E-03	6.73E-03
4598	497863.09	3859377.25	0.21101	6.22E-03	6.34E-03	6.34E-03
4599	498363.09	3859377.25	0.21523	6.34E-03	6.47E-03	6.46E-03
4600	471363.09	3859877.25	0.12026	3.54E-03	3.62E-03	3.61E-03
4601	471863.09	3859877.25	0.12303	3.63E-03	3.70E-03	3.69E-03
4602	472363.09	3859877.25	0.12749	3.76E-03	3.83E-03	3.83E-03
4603	472863.09	3859877.25	0.11981	3.53E-03	3.60E-03	3.60E-03
4604	473363.09	3859877.25	0.11177	3.29E-03	3.36E-03	3.36E-03
4605	473863.09	3859877.25	0.11146	3.28E-03	3.35E-03	3.35E-03
4606	474363.09	3859877.25	0.1062	3.13E-03	3.19E-03	3.19E-03
4607	474863.09	3859877.25	0.09459	2.79E-03	2.84E-03	2.84E-03
4608	475363.09	3859877.25	0.06114	1.80E-03	1.84E-03	1.84E-03
4609	475863.09	3859877.25	0.03364	9.91E-04	1.01E-03	1.01E-03
4610	476363.09	3859877.25	0.01823	5.37E-04	5.48E-04	5.47E-04
4611	476863.09	3859877.25	0.02147	6.33E-04	6.46E-04	6.45E-04
4612	477363.09	3859877.25	0.02132	6.28E-04	6.41E-04	6.40E-04
4613	477863.09	3859877.25	0.04241	1.25E-03	1.28E-03	1.27E-03
4614	478363.09	3859877.25	0.06854	2.02E-03	2.06E-03	2.06E-03
4615	478863.09	3859877.25	0.10293	3.03E-03	3.09E-03	3.09E-03
4616	479363.09	3859877.25	0.11955	3.52E-03	3.59E-03	3.59E-03
4617	479863.09	3859877.25	0.12552	3.70E-03	3.77E-03	3.77E-03
4618	480363.09	3859877.25	0.13233	3.90E-03	3.98E-03	3.97E-03
4619	480863.09	3859877.25	0.14409	4.25E-03	4.33E-03	4.33E-03
4620	481363.09	3859877.25	0.14934	4.40E-03	4.49E-03	4.49E-03
4621	481863.09	3859877.25	0.159	4.69E-03	4.78E-03	4.78E-03
4622	482363.09	3859877.25	0.16457	4.85E-03	4.95E-03	4.94E-03
4623	482863.09	3859877.25	0.17176	5.06E-03	5.16E-03	5.16E-03
4624	483363.09	3859877.25	0.18471	5.44E-03	5.55E-03	5.55E-03
4625	483863.09	3859877.25	0.18367	5.41E-03	5.52E-03	5.52E-03
4626	484363.09	3859877.25	0.20046	5.91E-03	6.03E-03	6.02E-03
4627	484863.09	3859877.25	0.21219	6.25E-03	6.38E-03	6.37E-03
4628	485363.09	3859877.25	0.23789	7.01E-03	7.15E-03	7.14E-03
4629	485863.09	3859877.25	0.28147	8.29E-03	8.46E-03	8.45E-03
4630	486363.09	3859877.25	0.333	9.81E-03	1.00E-02	1.00E-02
4631	486863.09	3859877.25	0.41248	1.22E-02	1.24E-02	1.24E-02
4632	487363.09	3859877.25	0.49081	1.45E-02	1.48E-02	1.47E-02
4633	487863.09	3859877.25	0.64472	1.90E-02	1.94E-02	1.94E-02
4634	488363.09	3859877.25	0.88751	2.62E-02	2.67E-02	2.67E-02
4635	488863.09	3859877.25	1.20706	3.56E-02	3.63E-02	3.63E-02
4636	489363.09	3859877.25	1.61292	4.75E-02	4.85E-02	4.84E-02
4637	489863.09	3859877.25	2.38493	7.03E-02	7.17E-02	7.16E-02
4638	490363.09	3859877.25	3.61004	1.06E-01	1.09E-01	1.08E-01
4639	490863.09	3859877.25	10.53721	3.10E-01	3.17E-01	3.16E-01
4640	491363.09	3859877.25	3.46797	1.02E-01	1.04E-01	1.04E-01
4641	491863.09	3859877.25	1.93332	5.70E-02	5.81E-02	5.81E-02
4642	492363.09	3859877.25	1.33821	3.94E-02	4.02E-02	4.02E-02
4643	492863.09	3859877.25	0.90564	2.67E-02	2.72E-02	2.72E-02
4644	493363.09	3859877.25	0.72112	2.12E-02	2.17E-02	2.17E-02
4645	493863.09	3859877.25	0.56946	1.68E-02	1.71E-02	1.71E-02
4646	494363.09	3859877.25	0.43836	1.29E-02	1.32E-02	1.32E-02
4647	494863.09	3859877.25	0.38473	1.13E-02	1.16E-02	1.16E-02
4648	495363.09	3859877.25	0.31176	9.19E-03	9.37E-03	9.36E-03
4649	495863.09	3859877.25	0.27663	8.15E-03	8.32E-03	8.31E-03
4650	496363.09	3859877.25	0.23099	6.81E-03	6.95E-03	6.94E-03
4651	496863.09	3859877.25	0.19515	5.75E-03	5.87E-03	5.86E-03
4652	497363.09	3859877.25	0.2201	6.49E-03	6.62E-03	6.61E-03
4653	497863.09	3859877.25	0.23059	6.79E-03	6.93E-03	6.93E-03
4654	498363.09	3859877.25	0.2357	6.95E-03	7.09E-03	7.08E-03
4655	471363.09	3860377.25	0.11548	3.40E-03	3.47E-03	3.47E-03
4656	471863.09	3860377.25	0.11675	3.44E-03	3.51E-03	3.51E-03
4657	472363.09	3860377.25	0.10811	3.19E-03	3.25E-03	3.25E-03
4658	472863.09	3860377.25	0.1118	3.29E-03	3.36E-03	3.36E-03

4659	473363.09	3860377.25	0.11028	3.25E-03	3.32E-03	3.31E-03
4660	473863.09	3860377.25	0.10391	3.06E-03	3.12E-03	3.12E-03
4661	474363.09	3860377.25	0.10311	3.04E-03	3.10E-03	3.10E-03
4662	474863.09	3860377.25	0.10273	3.03E-03	3.09E-03	3.09E-03
4663	475363.09	3860377.25	0.0939	2.77E-03	2.82E-03	2.82E-03
4664	475863.09	3860377.25	0.07477	2.20E-03	2.25E-03	2.25E-03
4665	476363.09	3860377.25	0.06589	1.94E-03	1.98E-03	1.98E-03
4666	476863.09	3860377.25	0.058	1.71E-03	1.74E-03	1.74E-03
4667	477363.09	3860377.25	0.0338	9.96E-04	1.02E-03	1.02E-03
4668	477863.09	3860377.25	0.04594	1.35E-03	1.38E-03	1.38E-03
4669	478363.09	3860377.25	0.07048	2.08E-03	2.12E-03	2.12E-03
4670	478863.09	3860377.25	0.09494	2.80E-03	2.85E-03	2.85E-03
4671	479363.09	3860377.25	0.113	3.33E-03	3.40E-03	3.39E-03
4672	479863.09	3860377.25	0.11716	3.45E-03	3.52E-03	3.52E-03
4673	480363.09	3860377.25	0.12648	3.73E-03	3.80E-03	3.80E-03
4674	480863.09	3860377.25	0.13875	4.09E-03	4.17E-03	4.17E-03
4675	481363.09	3860377.25	0.13497	3.98E-03	4.06E-03	4.05E-03
4676	481863.09	3860377.25	0.13877	4.09E-03	4.17E-03	4.17E-03
4677	482363.09	3860377.25	0.14016	4.13E-03	4.21E-03	4.21E-03
4678	482863.09	3860377.25	0.1529	4.51E-03	4.60E-03	4.59E-03
4679	483363.09	3860377.25	0.1644	4.84E-03	4.94E-03	4.94E-03
4680	483863.09	3860377.25	0.17412	5.13E-03	5.24E-03	5.23E-03
4681	484363.09	3860377.25	0.18266	5.38E-03	5.49E-03	5.49E-03
4682	484863.09	3860377.25	0.20982	6.18E-03	6.31E-03	6.30E-03
4683	485363.09	3860377.25	0.24094	7.10E-03	7.24E-03	7.24E-03
4684	485863.09	3860377.25	0.27488	8.10E-03	8.27E-03	8.26E-03
4685	486363.09	3860377.25	0.33107	9.76E-03	9.95E-03	9.94E-03
4686	486863.09	3860377.25	0.37298	1.10E-02	1.12E-02	1.12E-02
4687	487363.09	3860377.25	0.46734	1.38E-02	1.41E-02	1.40E-02
4688	487863.09	3860377.25	0.56422	1.66E-02	1.70E-02	1.69E-02
4689	488363.09	3860377.25	0.67332	1.98E-02	2.02E-02	2.02E-02
4690	488863.09	3860377.25	0.79309	2.34E-02	2.38E-02	2.38E-02
4691	489363.09	3860377.25	0.92915	2.74E-02	2.79E-02	2.79E-02
4692	489863.09	3860377.25	1.13123	3.33E-02	3.40E-02	3.40E-02
4693	490363.09	3860377.25	1.40498	4.14E-02	4.22E-02	4.22E-02
4694	490863.09	3860377.25	1.85561	5.47E-02	5.58E-02	5.57E-02
4695	491363.09	3860377.25	3.54256	1.04E-01	1.07E-01	1.06E-01
4696	491863.09	3860377.25	3.85197	1.14E-01	1.16E-01	1.16E-01
4697	492363.09	3860377.25	2.05706	6.06E-02	6.19E-02	6.18E-02
4698	492863.09	3860377.25	1.33325	3.93E-02	4.01E-02	4.00E-02
4699	493363.09	3860377.25	0.98489	2.90E-02	2.96E-02	2.96E-02
4700	493863.09	3860377.25	0.79911	2.35E-02	2.40E-02	2.40E-02
4701	494363.09	3860377.25	0.68243	2.01E-02	2.05E-02	2.05E-02
4702	494863.09	3860377.25	0.59718	1.76E-02	1.80E-02	1.79E-02
4703	495363.09	3860377.25	0.52178	1.54E-02	1.57E-02	1.57E-02
4704	495863.09	3860377.25	0.3819	1.13E-02	1.15E-02	1.15E-02
4705	496363.09	3860377.25	0.28928	8.52E-03	8.70E-03	8.69E-03
4706	496863.09	3860377.25	0.25482	7.51E-03	7.66E-03	7.65E-03
4707	497363.09	3860377.25	0.2083	6.14E-03	6.26E-03	6.26E-03
4708	497863.09	3860377.25	0.22718	6.69E-03	6.83E-03	6.82E-03
4709	498363.09	3860377.25	0.2389	7.04E-03	7.18E-03	7.17E-03
4710	471363.09	3860877.25	0.11148	3.28E-03	3.35E-03	3.35E-03
4711	471863.09	3860877.25	0.10831	3.19E-03	3.26E-03	3.25E-03
4712	472363.09	3860877.25	0.10602	3.12E-03	3.19E-03	3.18E-03
4713	472863.09	3860877.25	0.10292	3.03E-03	3.09E-03	3.09E-03
4714	473363.09	3860877.25	0.10138	2.99E-03	3.05E-03	3.04E-03
4715	473863.09	3860877.25	0.09958	2.93E-03	2.99E-03	2.99E-03
4716	474363.09	3860877.25	0.10024	2.95E-03	3.01E-03	3.01E-03
4717	474863.09	3860877.25	0.10025	2.95E-03	3.01E-03	3.01E-03
4718	475363.09	3860877.25	0.1032	3.04E-03	3.10E-03	3.10E-03
4719	475863.09	3860877.25	0.09393	2.77E-03	2.82E-03	2.82E-03
4720	476363.09	3860877.25	0.08674	2.56E-03	2.61E-03	2.61E-03
4721	476863.09	3860877.25	0.08027	2.37E-03	2.41E-03	2.41E-03

4722	477363.09	3860877.25	0.07828	2.31E-03	2.35E-03	2.35E-03
4723	477863.09	3860877.25	0.07403	2.18E-03	2.23E-03	2.22E-03
4724	478363.09	3860877.25	0.05197	1.53E-03	1.56E-03	1.56E-03
4725	478863.09	3860877.25	0.08724	2.57E-03	2.62E-03	2.62E-03
4726	479363.09	3860877.25	0.10586	3.12E-03	3.18E-03	3.18E-03
4727	479863.09	3860877.25	0.11779	3.47E-03	3.54E-03	3.54E-03
4728	480363.09	3860877.25	0.12998	3.83E-03	3.91E-03	3.90E-03
4729	480863.09	3860877.25	0.13533	3.99E-03	4.07E-03	4.06E-03
4730	481363.09	3860877.25	0.13656	4.02E-03	4.11E-03	4.10E-03
4731	481863.09	3860877.25	0.13974	4.12E-03	4.20E-03	4.20E-03
4732	482363.09	3860877.25	0.14525	4.28E-03	4.37E-03	4.36E-03
4733	482863.09	3860877.25	0.15178	4.47E-03	4.56E-03	4.56E-03
4734	483363.09	3860877.25	0.15986	4.71E-03	4.81E-03	4.80E-03
4735	483863.09	3860877.25	0.17838	5.26E-03	5.36E-03	5.36E-03
4736	484363.09	3860877.25	0.20443	6.02E-03	6.15E-03	6.14E-03
4737	484863.09	3860877.25	0.21524	6.34E-03	6.47E-03	6.46E-03
4738	485363.09	3860877.25	0.23418	6.90E-03	7.04E-03	7.03E-03
4739	485863.09	3860877.25	0.26531	7.82E-03	7.98E-03	7.97E-03
4740	486363.09	3860877.25	0.31636	9.32E-03	9.51E-03	9.50E-03
4741	486863.09	3860877.25	0.35459	1.04E-02	1.07E-02	1.06E-02
4742	487363.09	3860877.25	0.38626	1.14E-02	1.16E-02	1.16E-02
4743	487863.09	3860877.25	0.45726	1.35E-02	1.37E-02	1.37E-02
4744	488363.09	3860877.25	0.52731	1.55E-02	1.59E-02	1.58E-02
4745	488863.09	3860877.25	0.5924	1.75E-02	1.78E-02	1.78E-02
4746	489363.09	3860877.25	0.65842	1.94E-02	1.98E-02	1.98E-02
4747	489863.09	3860877.25	0.68712	2.02E-02	2.07E-02	2.06E-02
4748	490363.09	3860877.25	0.79387	2.34E-02	2.39E-02	2.38E-02
4749	490863.09	3860877.25	0.89582	2.64E-02	2.69E-02	2.69E-02
4750	491363.09	3860877.25	0.9327	2.75E-02	2.80E-02	2.80E-02
4751	491863.09	3860877.25	1.12787	3.32E-02	3.39E-02	3.39E-02
4752	492363.09	3860877.25	1.25175	3.69E-02	3.76E-02	3.76E-02
4753	492863.09	3860877.25	1.10864	3.27E-02	3.33E-02	3.33E-02
4754	493363.09	3860877.25	0.77774	2.29E-02	2.34E-02	2.34E-02
4755	493863.09	3860877.25	0.6369	1.88E-02	1.92E-02	1.91E-02
4756	494363.09	3860877.25	0.54016	1.59E-02	1.62E-02	1.62E-02
4757	494863.09	3860877.25	0.47843	1.41E-02	1.44E-02	1.44E-02
4758	495363.09	3860877.25	0.44317	1.31E-02	1.33E-02	1.33E-02
4759	495863.09	3860877.25	0.40938	1.21E-02	1.23E-02	1.23E-02
4760	496363.09	3860877.25	0.38554	1.14E-02	1.16E-02	1.16E-02
4761	496863.09	3860877.25	0.30874	9.10E-03	9.28E-03	9.27E-03
4762	497363.09	3860877.25	0.29498	8.69E-03	8.87E-03	8.86E-03
4763	497863.09	3860877.25	0.26818	7.90E-03	8.06E-03	8.05E-03
4764	498363.09	3860877.25	0.28771	8.48E-03	8.65E-03	8.64E-03
4765	471363.09	3861377.25	0.10398	3.06E-03	3.13E-03	3.12E-03
4766	471863.09	3861377.25	0.10044	2.96E-03	3.02E-03	3.02E-03
4767	472363.09	3861377.25	0.0949	2.80E-03	2.85E-03	2.85E-03
4768	472863.09	3861377.25	0.09253	2.73E-03	2.78E-03	2.78E-03
4769	473363.09	3861377.25	0.09291	2.74E-03	2.79E-03	2.79E-03
4770	473863.09	3861377.25	0.09489	2.80E-03	2.85E-03	2.85E-03
4771	474363.09	3861377.25	0.09699	2.86E-03	2.92E-03	2.91E-03
4772	474863.09	3861377.25	0.10042	2.96E-03	3.02E-03	3.02E-03
4773	475363.09	3861377.25	0.10074	2.97E-03	3.03E-03	3.03E-03
4774	475863.09	3861377.25	0.10361	3.05E-03	3.12E-03	3.11E-03
4775	476363.09	3861377.25	0.10565	3.11E-03	3.18E-03	3.17E-03
4776	476863.09	3861377.25	0.08681	2.56E-03	2.61E-03	2.61E-03
4777	477363.09	3861377.25	0.08868	2.61E-03	2.67E-03	2.66E-03
4778	477863.09	3861377.25	0.08002	2.36E-03	2.41E-03	2.40E-03
4779	478363.09	3861377.25	0.05647	1.66E-03	1.70E-03	1.70E-03
4780	478863.09	3861377.25	0.06929	2.04E-03	2.08E-03	2.08E-03
4781	479363.09	3861377.25	0.10007	2.95E-03	3.01E-03	3.01E-03
4782	479863.09	3861377.25	0.11097	3.27E-03	3.34E-03	3.33E-03
4783	480363.09	3861377.25	0.12363	3.64E-03	3.72E-03	3.71E-03
4784	480863.09	3861377.25	0.12756	3.76E-03	3.84E-03	3.83E-03

4785	481363.09	3861377.25	0.12961	3.82E-03	3.90E-03	3.89E-03
4786	481863.09	3861377.25	0.13071	3.85E-03	3.93E-03	3.93E-03
4787	482363.09	3861377.25	0.14802	4.36E-03	4.45E-03	4.45E-03
4788	482863.09	3861377.25	0.15964	4.70E-03	4.80E-03	4.79E-03
4789	483363.09	3861377.25	0.16542	4.87E-03	4.97E-03	4.97E-03
4790	483863.09	3861377.25	0.18438	5.43E-03	5.54E-03	5.54E-03
4791	484363.09	3861377.25	0.19433	5.73E-03	5.84E-03	5.84E-03
4792	484863.09	3861377.25	0.20058	5.91E-03	6.03E-03	6.02E-03
4793	485363.09	3861377.25	0.22352	6.59E-03	6.72E-03	6.71E-03
4794	485863.09	3861377.25	0.24512	7.22E-03	7.37E-03	7.36E-03
4795	486363.09	3861377.25	0.27505	8.10E-03	8.27E-03	8.26E-03
4796	486863.09	3861377.25	0.31411	9.26E-03	9.44E-03	9.43E-03
4797	487363.09	3861377.25	0.33711	9.93E-03	1.01E-02	1.01E-02
4798	487863.09	3861377.25	0.36261	1.07E-02	1.09E-02	1.09E-02
4799	488363.09	3861377.25	0.39182	1.15E-02	1.18E-02	1.18E-02
4800	488863.09	3861377.25	0.41933	1.24E-02	1.26E-02	1.26E-02
4801	489363.09	3861377.25	0.42942	1.27E-02	1.29E-02	1.29E-02
4802	489863.09	3861377.25	0.42881	1.26E-02	1.29E-02	1.29E-02
4803	490363.09	3861377.25	0.45183	1.33E-02	1.36E-02	1.36E-02
4804	490863.09	3861377.25	0.46849	1.38E-02	1.41E-02	1.41E-02
4805	491363.09	3861377.25	0.47947	1.41E-02	1.44E-02	1.44E-02
4806	491863.09	3861377.25	0.52606	1.55E-02	1.58E-02	1.58E-02
4807	492363.09	3861377.25	0.6502	1.92E-02	1.96E-02	1.95E-02
4808	492863.09	3861377.25	0.63805	1.88E-02	1.92E-02	1.92E-02
4809	493363.09	3861377.25	0.68248	2.01E-02	2.05E-02	2.05E-02
4810	493863.09	3861377.25	0.59221	1.75E-02	1.78E-02	1.78E-02
4811	494363.09	3861377.25	0.46695	1.38E-02	1.40E-02	1.40E-02
4812	494863.09	3861377.25	0.37689	1.11E-02	1.13E-02	1.13E-02
4813	495363.09	3861377.25	0.3439	1.01E-02	1.03E-02	1.03E-02
4814	495863.09	3861377.25	0.29714	8.76E-03	8.93E-03	8.92E-03
4815	496363.09	3861377.25	0.29142	8.59E-03	8.76E-03	8.75E-03
4816	496863.09	3861377.25	0.27561	8.12E-03	8.29E-03	8.28E-03
4817	497363.09	3861377.25	0.26764	7.89E-03	8.05E-03	8.04E-03
4818	497863.09	3861377.25	0.25864	7.62E-03	7.78E-03	7.77E-03
4819	498363.09	3861377.25	0.25603	7.54E-03	7.70E-03	7.69E-03
4820	471363.09	3861877.25	0.0913	2.69E-03	2.75E-03	2.74E-03
4821	471863.09	3861877.25	0.08623	2.54E-03	2.59E-03	2.59E-03
4822	472363.09	3861877.25	0.0875	2.58E-03	2.63E-03	2.63E-03
4823	472863.09	3861877.25	0.08937	2.63E-03	2.69E-03	2.68E-03
4824	473363.09	3861877.25	0.09188	2.71E-03	2.76E-03	2.76E-03
4825	473863.09	3861877.25	0.09197	2.71E-03	2.77E-03	2.76E-03
4826	474363.09	3861877.25	0.09342	2.75E-03	2.81E-03	2.81E-03
4827	474863.09	3861877.25	0.09456	2.79E-03	2.84E-03	2.84E-03
4828	475363.09	3861877.25	0.0952	2.81E-03	2.86E-03	2.86E-03
4829	475863.09	3861877.25	0.09315	2.74E-03	2.80E-03	2.80E-03
4830	476363.09	3861877.25	0.09279	2.73E-03	2.79E-03	2.79E-03
4831	476863.09	3861877.25	0.0992	2.92E-03	2.98E-03	2.98E-03
4832	477363.09	3861877.25	0.09808	2.89E-03	2.95E-03	2.95E-03
4833	477863.09	3861877.25	0.07544	2.22E-03	2.27E-03	2.27E-03
4834	478363.09	3861877.25	0.0483	1.42E-03	1.45E-03	1.45E-03
4835	478863.09	3861877.25	0.07282	2.15E-03	2.19E-03	2.19E-03
4836	479363.09	3861877.25	0.06713	1.98E-03	2.02E-03	2.02E-03
4837	479863.09	3861877.25	0.10279	3.03E-03	3.09E-03	3.09E-03
4838	480363.09	3861877.25	0.10941	3.22E-03	3.29E-03	3.29E-03
4839	480863.09	3861877.25	0.11959	3.52E-03	3.60E-03	3.59E-03
4840	481363.09	3861877.25	0.11746	3.46E-03	3.53E-03	3.53E-03
4841	481863.09	3861877.25	0.12415	3.66E-03	3.73E-03	3.73E-03
4842	482363.09	3861877.25	0.1354	3.99E-03	4.07E-03	4.07E-03
4843	482863.09	3861877.25	0.14983	4.41E-03	4.51E-03	4.50E-03
4844	483363.09	3861877.25	0.16679	4.91E-03	5.02E-03	5.01E-03
4845	483863.09	3861877.25	0.17303	5.10E-03	5.20E-03	5.20E-03
4846	484363.09	3861877.25	0.17808	5.25E-03	5.35E-03	5.35E-03
4847	484863.09	3861877.25	0.1939	5.71E-03	5.83E-03	5.82E-03

4848	485363.09	3861877.25	0.21137	6.23E-03	6.36E-03	6.35E-03
4849	485863.09	3861877.25	0.2168	6.39E-03	6.52E-03	6.51E-03
4850	486363.09	3861877.25	0.2402	7.08E-03	7.22E-03	7.21E-03
4851	486863.09	3861877.25	0.26619	7.84E-03	8.00E-03	7.99E-03
4852	487363.09	3861877.25	0.2841	8.37E-03	8.54E-03	8.53E-03
4853	487863.09	3861877.25	0.30811	9.08E-03	9.26E-03	9.25E-03
4854	488363.09	3861877.25	0.31804	9.37E-03	9.56E-03	9.55E-03
4855	488863.09	3861877.25	0.3169	9.34E-03	9.53E-03	9.52E-03
4856	489363.09	3861877.25	0.32119	9.46E-03	9.66E-03	9.65E-03
4857	489863.09	3861877.25	0.30059	8.86E-03	9.04E-03	9.03E-03
4858	490363.09	3861877.25	0.30423	8.96E-03	9.15E-03	9.14E-03
4859	490863.09	3861877.25	0.33925	1.00E-02	1.02E-02	1.02E-02
4860	491363.09	3861877.25	0.34555	1.02E-02	1.04E-02	1.04E-02
4861	491863.09	3861877.25	0.35026	1.03E-02	1.05E-02	1.05E-02
4862	492363.09	3861877.25	0.3663	1.08E-02	1.10E-02	1.10E-02
4863	492863.09	3861877.25	0.39642	1.17E-02	1.19E-02	1.19E-02
4864	493363.09	3861877.25	0.40141	1.18E-02	1.21E-02	1.21E-02
4865	493863.09	3861877.25	0.37289	1.10E-02	1.12E-02	1.12E-02
4866	494363.09	3861877.25	0.41075	1.21E-02	1.24E-02	1.23E-02
4867	494863.09	3861877.25	0.37889	1.12E-02	1.14E-02	1.14E-02
4868	495363.09	3861877.25	0.33821	9.97E-03	1.02E-02	1.02E-02
4869	495863.09	3861877.25	0.27269	8.04E-03	8.20E-03	8.19E-03
4870	496363.09	3861877.25	0.24251	7.15E-03	7.29E-03	7.28E-03
4871	496863.09	3861877.25	0.27638	8.14E-03	8.31E-03	8.30E-03
4872	497363.09	3861877.25	0.22751	6.70E-03	6.84E-03	6.83E-03
4873	497863.09	3861877.25	0.2039	6.01E-03	6.13E-03	6.12E-03
4874	498363.09	3861877.25	0.18984	5.59E-03	5.71E-03	5.70E-03
4875	471363.09	3862377.25	0.08424	2.48E-03	2.53E-03	2.53E-03
4876	471863.09	3862377.25	0.08479	2.50E-03	2.55E-03	2.55E-03
4877	472363.09	3862377.25	0.08212	2.42E-03	2.47E-03	2.47E-03
4878	472863.09	3862377.25	0.08352	2.46E-03	2.51E-03	2.51E-03
4879	473363.09	3862377.25	0.08476	2.50E-03	2.55E-03	2.55E-03
4880	473863.09	3862377.25	0.08844	2.61E-03	2.66E-03	2.66E-03
4881	474363.09	3862377.25	0.08889	2.62E-03	2.67E-03	2.67E-03
4882	474863.09	3862377.25	0.09341	2.75E-03	2.81E-03	2.81E-03
4883	475363.09	3862377.25	0.09421	2.78E-03	2.83E-03	2.83E-03
4884	475863.09	3862377.25	0.0967	2.85E-03	2.91E-03	2.90E-03
4885	476363.09	3862377.25	0.09597	2.83E-03	2.89E-03	2.88E-03
4886	476863.09	3862377.25	0.08996	2.65E-03	2.70E-03	2.70E-03
4887	477363.09	3862377.25	0.09129	2.69E-03	2.74E-03	2.74E-03
4888	477863.09	3862377.25	0.07883	2.32E-03	2.37E-03	2.37E-03
4889	478363.09	3862377.25	0.06692	1.97E-03	2.01E-03	2.01E-03
4890	478863.09	3862377.25	0.07102	2.09E-03	2.14E-03	2.13E-03
4891	479363.09	3862377.25	0.07921	2.33E-03	2.38E-03	2.38E-03
4892	479863.09	3862377.25	0.10984	3.24E-03	3.30E-03	3.30E-03
4893	480363.09	3862377.25	0.10911	3.22E-03	3.28E-03	3.28E-03
4894	480863.09	3862377.25	0.117	3.45E-03	3.52E-03	3.51E-03
4895	481363.09	3862377.25	0.11694	3.45E-03	3.52E-03	3.51E-03
4896	481863.09	3862377.25	0.1231	3.63E-03	3.70E-03	3.70E-03
4897	482363.09	3862377.25	0.13782	4.06E-03	4.14E-03	4.14E-03
4898	482863.09	3862377.25	0.14022	4.13E-03	4.22E-03	4.21E-03
4899	483363.09	3862377.25	0.14473	4.26E-03	4.35E-03	4.35E-03
4900	483863.09	3862377.25	0.15259	4.50E-03	4.59E-03	4.58E-03
4901	484363.09	3862377.25	0.15981	4.71E-03	4.81E-03	4.80E-03
4902	484863.09	3862377.25	0.17312	5.10E-03	5.21E-03	5.20E-03
4903	485363.09	3862377.25	0.18526	5.46E-03	5.57E-03	5.56E-03
4904	485863.09	3862377.25	0.19812	5.84E-03	5.96E-03	5.95E-03
4905	486363.09	3862377.25	0.21527	6.34E-03	6.47E-03	6.47E-03
4906	486863.09	3862377.25	0.23682	6.98E-03	7.12E-03	7.11E-03
4907	487363.09	3862377.25	0.24184	7.13E-03	7.27E-03	7.26E-03
4908	487863.09	3862377.25	0.25488	7.51E-03	7.66E-03	7.65E-03
4909	488363.09	3862377.25	0.26837	7.91E-03	8.07E-03	8.06E-03
4910	488863.09	3862377.25	0.24857	7.32E-03	7.47E-03	7.47E-03

4911	489363.09	3862377.25	0.24695	7.28E-03	7.43E-03	7.42E-03
4912	489863.09	3862377.25	0.23469	6.92E-03	7.06E-03	7.05E-03
4913	490363.09	3862377.25	0.23647	6.97E-03	7.11E-03	7.10E-03
4914	490863.09	3862377.25	0.24497	7.22E-03	7.37E-03	7.36E-03
4915	491363.09	3862377.25	0.25686	7.57E-03	7.72E-03	7.71E-03
4916	491863.09	3862377.25	0.26132	7.70E-03	7.86E-03	7.85E-03
4917	492363.09	3862377.25	0.268	7.90E-03	8.06E-03	8.05E-03
4918	492863.09	3862377.25	0.29875	8.80E-03	8.98E-03	8.97E-03
4919	493363.09	3862377.25	0.33778	9.95E-03	1.02E-02	1.01E-02
4920	493863.09	3862377.25	0.33361	9.83E-03	1.00E-02	1.00E-02
4921	494363.09	3862377.25	0.30979	9.13E-03	9.31E-03	9.30E-03
4922	494863.09	3862377.25	0.28261	8.33E-03	8.50E-03	8.49E-03
4923	495363.09	3862377.25	0.29761	8.77E-03	8.95E-03	8.94E-03
4924	495863.09	3862377.25	0.2714	8.00E-03	8.16E-03	8.15E-03
4925	496363.09	3862377.25	0.24836	7.32E-03	7.47E-03	7.46E-03
4926	496863.09	3862377.25	0.22395	6.60E-03	6.73E-03	6.73E-03
4927	497363.09	3862377.25	0.18589	5.48E-03	5.59E-03	5.58E-03
4928	497863.09	3862377.25	0.1655	4.88E-03	4.98E-03	4.97E-03
4929	498363.09	3862377.25	0.16081	4.74E-03	4.84E-03	4.83E-03
4930	471363.09	3862877.25	0.07697	2.27E-03	2.31E-03	2.31E-03
4931	471863.09	3862877.25	0.07387	2.18E-03	2.22E-03	2.22E-03
4932	472363.09	3862877.25	0.07623	2.25E-03	2.29E-03	2.29E-03
4933	472863.09	3862877.25	0.08037	2.37E-03	2.42E-03	2.41E-03
4934	473363.09	3862877.25	0.0867	2.55E-03	2.61E-03	2.60E-03
4935	473863.09	3862877.25	0.08817	2.60E-03	2.65E-03	2.65E-03
4936	474363.09	3862877.25	0.0888	2.62E-03	2.67E-03	2.67E-03
4937	474863.09	3862877.25	0.09137	2.69E-03	2.75E-03	2.74E-03
4938	475363.09	3862877.25	0.09251	2.73E-03	2.78E-03	2.78E-03
4939	475863.09	3862877.25	0.09308	2.74E-03	2.80E-03	2.80E-03
4940	476363.09	3862877.25	0.08942	2.63E-03	2.69E-03	2.69E-03
4941	476863.09	3862877.25	0.08612	2.54E-03	2.59E-03	2.59E-03
4942	477363.09	3862877.25	0.08402	2.48E-03	2.53E-03	2.52E-03
4943	477863.09	3862877.25	0.08657	2.55E-03	2.60E-03	2.60E-03
4944	478363.09	3862877.25	0.0743	2.19E-03	2.23E-03	2.23E-03
4945	478863.09	3862877.25	0.07903	2.33E-03	2.38E-03	2.37E-03
4946	479363.09	3862877.25	0.08654	2.55E-03	2.60E-03	2.60E-03
4947	479863.09	3862877.25	0.11533	3.40E-03	3.47E-03	3.46E-03
4948	480363.09	3862877.25	0.11546	3.40E-03	3.47E-03	3.47E-03
4949	480863.09	3862877.25	0.10805	3.18E-03	3.25E-03	3.25E-03
4950	481363.09	3862877.25	0.11262	3.32E-03	3.39E-03	3.38E-03
4951	481863.09	3862877.25	0.11531	3.40E-03	3.47E-03	3.46E-03
4952	482363.09	3862877.25	0.12262	3.61E-03	3.69E-03	3.68E-03
4953	482863.09	3862877.25	0.13093	3.86E-03	3.94E-03	3.93E-03
4954	483363.09	3862877.25	0.13579	4.00E-03	4.08E-03	4.08E-03
4955	483863.09	3862877.25	0.14462	4.26E-03	4.35E-03	4.34E-03
4956	484363.09	3862877.25	0.14977	4.41E-03	4.50E-03	4.50E-03
4957	484863.09	3862877.25	0.15752	4.64E-03	4.74E-03	4.73E-03
4958	485363.09	3862877.25	0.16442	4.84E-03	4.94E-03	4.94E-03
4959	485863.09	3862877.25	0.18187	5.36E-03	5.47E-03	5.46E-03
4960	486363.09	3862877.25	0.19808	5.84E-03	5.96E-03	5.95E-03
4961	486863.09	3862877.25	0.19608	5.78E-03	5.90E-03	5.89E-03
4962	487363.09	3862877.25	0.20841	6.14E-03	6.27E-03	6.26E-03
4963	487863.09	3862877.25	0.21902	6.45E-03	6.59E-03	6.58E-03
4964	488363.09	3862877.25	0.20874	6.15E-03	6.28E-03	6.27E-03
4965	488863.09	3862877.25	0.20466	6.03E-03	6.15E-03	6.15E-03
4966	489363.09	3862877.25	0.19554	5.76E-03	5.88E-03	5.87E-03
4967	489863.09	3862877.25	0.19593	5.77E-03	5.89E-03	5.88E-03
4968	490363.09	3862877.25	0.19311	5.69E-03	5.81E-03	5.80E-03
4969	490863.09	3862877.25	0.2093	6.17E-03	6.29E-03	6.29E-03
4970	491363.09	3862877.25	0.21051	6.20E-03	6.33E-03	6.32E-03
4971	491863.09	3862877.25	0.20849	6.14E-03	6.27E-03	6.26E-03
4972	492363.09	3862877.25	0.21307	6.28E-03	6.41E-03	6.40E-03
4973	492863.09	3862877.25	0.23525	6.93E-03	7.07E-03	7.07E-03

4974	493363.09	3862877.25	0.25187	7.42E-03	7.57E-03	7.56E-03
4975	493863.09	3862877.25	0.28941	8.53E-03	8.70E-03	8.69E-03
4976	494363.09	3862877.25	0.27534	8.11E-03	8.28E-03	8.27E-03
4977	494863.09	3862877.25	0.24149	7.12E-03	7.26E-03	7.25E-03
4978	495363.09	3862877.25	0.22001	6.48E-03	6.62E-03	6.61E-03
4979	495863.09	3862877.25	0.22247	6.56E-03	6.69E-03	6.68E-03
4980	496363.09	3862877.25	0.23392	6.89E-03	7.03E-03	7.03E-03
4981	496863.09	3862877.25	0.20755	6.12E-03	6.24E-03	6.23E-03
4982	497363.09	3862877.25	0.19516	5.75E-03	5.87E-03	5.86E-03
4983	497863.09	3862877.25	0.18266	5.38E-03	5.49E-03	5.49E-03
4984	498363.09	3862877.25	0.16291	4.80E-03	4.90E-03	4.89E-03
4985	471363.09	3863377.25	0.07168	2.11E-03	2.16E-03	2.15E-03
4986	471863.09	3863377.25	0.07577	2.23E-03	2.28E-03	2.28E-03
4987	472363.09	3863377.25	0.0769	2.27E-03	2.31E-03	2.31E-03
4988	472863.09	3863377.25	0.08637	2.55E-03	2.60E-03	2.59E-03
4989	473363.09	3863377.25	0.08833	2.60E-03	2.66E-03	2.65E-03
4990	473863.09	3863377.25	0.08538	2.52E-03	2.57E-03	2.56E-03
4991	474363.09	3863377.25	0.08339	2.46E-03	2.51E-03	2.50E-03
4992	474863.09	3863377.25	0.08765	2.58E-03	2.64E-03	2.63E-03
4993	475363.09	3863377.25	0.08764	2.58E-03	2.64E-03	2.63E-03
4994	475863.09	3863377.25	0.08404	2.48E-03	2.53E-03	2.52E-03
4995	476363.09	3863377.25	0.08683	2.56E-03	2.61E-03	2.61E-03
4996	476863.09	3863377.25	0.09726	2.87E-03	2.92E-03	2.92E-03
4997	477363.09	3863377.25	0.10223	3.01E-03	3.07E-03	3.07E-03
4998	477863.09	3863377.25	0.10682	3.15E-03	3.21E-03	3.21E-03
4999	478363.09	3863377.25	0.09776	2.88E-03	2.94E-03	2.94E-03
5000	478863.09	3863377.25	0.09995	2.95E-03	3.01E-03	3.00E-03
5001	479363.09	3863377.25	0.11495	3.39E-03	3.46E-03	3.45E-03
5002	479863.09	3863377.25	0.10749	3.17E-03	3.23E-03	3.23E-03
5003	480363.09	3863377.25	0.10738	3.16E-03	3.23E-03	3.22E-03
5004	480863.09	3863377.25	0.1079	3.18E-03	3.24E-03	3.24E-03
5005	481363.09	3863377.25	0.11194	3.30E-03	3.37E-03	3.36E-03
5006	481863.09	3863377.25	0.10991	3.24E-03	3.30E-03	3.30E-03
5007	482363.09	3863377.25	0.12135	3.58E-03	3.65E-03	3.64E-03
5008	482863.09	3863377.25	0.12479	3.68E-03	3.75E-03	3.75E-03
5009	483363.09	3863377.25	0.13074	3.85E-03	3.93E-03	3.93E-03
5010	483863.09	3863377.25	0.12974	3.82E-03	3.90E-03	3.90E-03
5011	484363.09	3863377.25	0.13746	4.05E-03	4.13E-03	4.13E-03
5012	484863.09	3863377.25	0.1425	4.20E-03	4.28E-03	4.28E-03
5013	485363.09	3863377.25	0.15164	4.47E-03	4.56E-03	4.55E-03
5014	485863.09	3863377.25	0.16512	4.87E-03	4.96E-03	4.96E-03
5015	486363.09	3863377.25	0.16605	4.89E-03	4.99E-03	4.99E-03
5016	486863.09	3863377.25	0.16853	4.97E-03	5.07E-03	5.06E-03
5017	487363.09	3863377.25	0.17104	5.04E-03	5.14E-03	5.14E-03
5018	487863.09	3863377.25	0.18026	5.31E-03	5.42E-03	5.41E-03
5019	488363.09	3863377.25	0.17252	5.08E-03	5.19E-03	5.18E-03
5020	488863.09	3863377.25	0.16947	4.99E-03	5.10E-03	5.09E-03
5021	489363.09	3863377.25	0.1604	4.73E-03	4.82E-03	4.82E-03
5022	489863.09	3863377.25	0.16764	4.94E-03	5.04E-03	5.03E-03
5023	490363.09	3863377.25	0.1614	4.76E-03	4.85E-03	4.85E-03
5024	490863.09	3863377.25	0.15768	4.65E-03	4.74E-03	4.74E-03
5025	491363.09	3863377.25	0.16401	4.83E-03	4.93E-03	4.93E-03
5026	491863.09	3863377.25	0.17946	5.29E-03	5.40E-03	5.39E-03
5027	492363.09	3863377.25	0.18331	5.40E-03	5.51E-03	5.51E-03
5028	492863.09	3863377.25	0.18874	5.56E-03	5.68E-03	5.67E-03
5029	493363.09	3863377.25	0.22136	6.52E-03	6.66E-03	6.65E-03
5030	493863.09	3863377.25	0.23001	6.78E-03	6.92E-03	6.91E-03
5031	494363.09	3863377.25	0.25892	7.63E-03	7.79E-03	7.78E-03
5032	494863.09	3863377.25	0.23651	6.97E-03	7.11E-03	7.10E-03
5033	495363.09	3863377.25	0.21187	6.24E-03	6.37E-03	6.36E-03
5034	495863.09	3863377.25	0.22748	6.70E-03	6.84E-03	6.83E-03
5035	496363.09	3863377.25	0.18074	5.33E-03	5.43E-03	5.43E-03
5036	496863.09	3863377.25	0.17803	5.25E-03	5.35E-03	5.35E-03

5037	497363.09	3863377.25	0.18766	5.53E-03	5.64E-03	5.64E-03
5038	497863.09	3863377.25	0.16286	4.80E-03	4.90E-03	4.89E-03
5039	498363.09	3863377.25	0.16213	4.78E-03	4.87E-03	4.87E-03
5040	471363.09	3863877.25	0.07426	2.19E-03	2.23E-03	2.23E-03
5041	471863.09	3863877.25	0.07479	2.20E-03	2.25E-03	2.25E-03
5042	472363.09	3863877.25	0.07735	2.28E-03	2.33E-03	2.32E-03
5043	472863.09	3863877.25	0.08004	2.36E-03	2.41E-03	2.40E-03
5044	473363.09	3863877.25	0.07601	2.24E-03	2.29E-03	2.28E-03
5045	473863.09	3863877.25	0.07732	2.28E-03	2.32E-03	2.32E-03
5046	474363.09	3863877.25	0.08108	2.39E-03	2.44E-03	2.44E-03
5047	474863.09	3863877.25	0.07686	2.26E-03	2.31E-03	2.31E-03
5048	475363.09	3863877.25	0.08772	2.58E-03	2.64E-03	2.63E-03
5049	475863.09	3863877.25	0.08862	2.61E-03	2.66E-03	2.66E-03
5050	476363.09	3863877.25	0.09043	2.66E-03	2.72E-03	2.72E-03
5051	476863.09	3863877.25	0.09387	2.77E-03	2.82E-03	2.82E-03
5052	477363.09	3863877.25	0.10028	2.95E-03	3.02E-03	3.01E-03
5053	477863.09	3863877.25	0.10259	3.02E-03	3.08E-03	3.08E-03
5054	478363.09	3863877.25	0.10202	3.01E-03	3.07E-03	3.06E-03
5055	478863.09	3863877.25	0.1085	3.20E-03	3.26E-03	3.26E-03
5056	479363.09	3863877.25	0.10494	3.09E-03	3.16E-03	3.15E-03
5057	479863.09	3863877.25	0.102	3.01E-03	3.07E-03	3.06E-03
5058	480363.09	3863877.25	0.1005	2.96E-03	3.02E-03	3.02E-03
5059	480863.09	3863877.25	0.09869	2.91E-03	2.97E-03	2.96E-03
5060	481363.09	3863877.25	0.10151	2.99E-03	3.05E-03	3.05E-03
5061	481863.09	3863877.25	0.11142	3.28E-03	3.35E-03	3.35E-03
5062	482363.09	3863877.25	0.11104	3.27E-03	3.34E-03	3.33E-03
5063	482863.09	3863877.25	0.11823	3.48E-03	3.55E-03	3.55E-03
5064	483363.09	3863877.25	0.11991	3.53E-03	3.61E-03	3.60E-03
5065	483863.09	3863877.25	0.1219	3.59E-03	3.67E-03	3.66E-03
5066	484363.09	3863877.25	0.12477	3.68E-03	3.75E-03	3.75E-03
5067	484863.09	3863877.25	0.13704	4.04E-03	4.12E-03	4.12E-03
5068	485363.09	3863877.25	0.14332	4.22E-03	4.31E-03	4.30E-03
5069	485863.09	3863877.25	0.1396	4.11E-03	4.20E-03	4.19E-03
5070	486363.09	3863877.25	0.13547	3.99E-03	4.07E-03	4.07E-03
5071	486863.09	3863877.25	0.14972	4.41E-03	4.50E-03	4.50E-03
5072	487363.09	3863877.25	0.15161	4.47E-03	4.56E-03	4.55E-03
5073	487863.09	3863877.25	0.14686	4.33E-03	4.42E-03	4.41E-03
5074	488363.09	3863877.25	0.14999	4.42E-03	4.51E-03	4.50E-03
5075	488863.09	3863877.25	0.14367	4.23E-03	4.32E-03	4.31E-03
5076	489363.09	3863877.25	0.14544	4.29E-03	4.37E-03	4.37E-03
5077	489863.09	3863877.25	0.14506	4.27E-03	4.36E-03	4.36E-03
5078	490363.09	3863877.25	0.14061	4.14E-03	4.23E-03	4.22E-03
5079	490863.09	3863877.25	0.1399	4.12E-03	4.21E-03	4.20E-03
5080	491363.09	3863877.25	0.14108	4.16E-03	4.24E-03	4.24E-03
5081	491863.09	3863877.25	0.15397	4.54E-03	4.63E-03	4.62E-03
5082	492363.09	3863877.25	0.18051	5.32E-03	5.43E-03	5.42E-03
5083	492863.09	3863877.25	0.16898	4.98E-03	5.08E-03	5.07E-03
5084	493363.09	3863877.25	0.18238	5.37E-03	5.48E-03	5.48E-03
5085	493863.09	3863877.25	0.21009	6.19E-03	6.32E-03	6.31E-03
5086	494363.09	3863877.25	0.20909	6.16E-03	6.29E-03	6.28E-03
5087	494863.09	3863877.25	0.22813	6.72E-03	6.86E-03	6.85E-03
5088	495363.09	3863877.25	0.22679	6.68E-03	6.82E-03	6.81E-03
5089	495863.09	3863877.25	0.21938	6.46E-03	6.60E-03	6.59E-03
5090	496363.09	3863877.25	0.18321	5.40E-03	5.51E-03	5.50E-03
5091	496863.09	3863877.25	0.1663	4.90E-03	5.00E-03	4.99E-03
5092	497363.09	3863877.25	0.14931	4.40E-03	4.49E-03	4.48E-03
5093	497863.09	3863877.25	0.15821	4.66E-03	4.76E-03	4.75E-03
5094	498363.09	3863877.25	0.15783	4.65E-03	4.75E-03	4.74E-03
5095	471363.09	3864377.25	0.07488	2.21E-03	2.25E-03	2.25E-03
5096	471863.09	3864377.25	0.07213	2.13E-03	2.17E-03	2.17E-03
5097	472363.09	3864377.25	0.07275	2.14E-03	2.19E-03	2.18E-03
5098	472863.09	3864377.25	0.0705	2.08E-03	2.12E-03	2.12E-03
5099	473363.09	3864377.25	0.06979	2.06E-03	2.10E-03	2.10E-03

5100	473863.09	3864377.25	0.0705	2.08E-03	2.12E-03	2.12E-03
5101	474363.09	3864377.25	0.07719	2.27E-03	2.32E-03	2.32E-03
5102	474863.09	3864377.25	0.08387	2.47E-03	2.52E-03	2.52E-03
5103	475363.09	3864377.25	0.08484	2.50E-03	2.55E-03	2.55E-03
5104	475863.09	3864377.25	0.08508	2.51E-03	2.56E-03	2.56E-03
5105	476363.09	3864377.25	0.08621	2.54E-03	2.59E-03	2.59E-03
5106	476863.09	3864377.25	0.0894	2.63E-03	2.69E-03	2.68E-03
5107	477363.09	3864377.25	0.09367	2.76E-03	2.82E-03	2.81E-03
5108	477863.09	3864377.25	0.09418	2.78E-03	2.83E-03	2.83E-03
5109	478363.09	3864377.25	0.09816	2.89E-03	2.95E-03	2.95E-03
5110	478863.09	3864377.25	0.0962	2.83E-03	2.89E-03	2.89E-03
5111	479363.09	3864377.25	0.09386	2.77E-03	2.82E-03	2.82E-03
5112	479863.09	3864377.25	0.09413	2.77E-03	2.83E-03	2.83E-03
5113	480363.09	3864377.25	0.09456	2.79E-03	2.84E-03	2.84E-03
5114	480863.09	3864377.25	0.09422	2.78E-03	2.83E-03	2.83E-03
5115	481363.09	3864377.25	0.0979	2.88E-03	2.94E-03	2.94E-03
5116	481863.09	3864377.25	0.10712	3.16E-03	3.22E-03	3.22E-03
5117	482363.09	3864377.25	0.10664	3.14E-03	3.21E-03	3.20E-03
5118	482863.09	3864377.25	0.10616	3.13E-03	3.19E-03	3.19E-03
5119	483363.09	3864377.25	0.10609	3.13E-03	3.19E-03	3.19E-03
5120	483863.09	3864377.25	0.10894	3.21E-03	3.28E-03	3.27E-03
5121	484363.09	3864377.25	0.11736	3.46E-03	3.53E-03	3.52E-03
5122	484863.09	3864377.25	0.12124	3.57E-03	3.65E-03	3.64E-03
5123	485363.09	3864377.25	0.11776	3.47E-03	3.54E-03	3.54E-03
5124	485863.09	3864377.25	0.11955	3.52E-03	3.59E-03	3.59E-03
5125	486363.09	3864377.25	0.13149	3.87E-03	3.95E-03	3.95E-03
5126	486863.09	3864377.25	0.13619	4.01E-03	4.09E-03	4.09E-03
5127	487363.09	3864377.25	0.13124	3.87E-03	3.95E-03	3.94E-03
5128	487863.09	3864377.25	0.13479	3.97E-03	4.05E-03	4.05E-03
5129	488363.09	3864377.25	0.13476	3.97E-03	4.05E-03	4.05E-03
5130	488863.09	3864377.25	0.12915	3.81E-03	3.88E-03	3.88E-03
5131	489363.09	3864377.25	0.13072	3.85E-03	3.93E-03	3.93E-03
5132	489863.09	3864377.25	0.12265	3.61E-03	3.69E-03	3.68E-03
5133	490363.09	3864377.25	0.12924	3.81E-03	3.89E-03	3.88E-03
5134	490863.09	3864377.25	0.12828	3.78E-03	3.86E-03	3.85E-03
5135	491363.09	3864377.25	0.13883	4.09E-03	4.17E-03	4.17E-03
5136	491863.09	3864377.25	0.07512	2.21E-03	2.26E-03	2.26E-03
5137	492363.09	3864377.25	0.11493	3.39E-03	3.46E-03	3.45E-03
5138	492863.09	3864377.25	0.09458	2.79E-03	2.84E-03	2.84E-03
5139	493363.09	3864377.25	0.10596	3.12E-03	3.19E-03	3.18E-03
5140	493863.09	3864377.25	0.15346	4.52E-03	4.61E-03	4.61E-03
5141	494363.09	3864377.25	0.17163	5.06E-03	5.16E-03	5.15E-03
5142	494863.09	3864377.25	0.18918	5.57E-03	5.69E-03	5.68E-03
5143	495363.09	3864377.25	0.21335	6.29E-03	6.42E-03	6.41E-03
5144	495863.09	3864377.25	0.20912	6.16E-03	6.29E-03	6.28E-03
5145	496363.09	3864377.25	0.18699	5.51E-03	5.62E-03	5.62E-03
5146	496863.09	3864377.25	0.16087	4.74E-03	4.84E-03	4.83E-03
5147	497363.09	3864377.25	0.1572	4.63E-03	4.73E-03	4.72E-03
5148	497863.09	3864377.25	0.13591	4.00E-03	4.09E-03	4.08E-03
5149	498363.09	3864377.25	0.13773	4.06E-03	4.14E-03	4.14E-03
5150	471363.09	3864877.25	0.06916	2.04E-03	2.08E-03	2.08E-03
5151	471863.09	3864877.25	0.0677	1.99E-03	2.04E-03	2.03E-03
5152	472363.09	3864877.25	0.06642	1.96E-03	2.00E-03	1.99E-03
5153	472863.09	3864877.25	0.06694	1.97E-03	2.01E-03	2.01E-03
5154	473363.09	3864877.25	0.06695	1.97E-03	2.01E-03	2.01E-03
5155	473863.09	3864877.25	0.07223	2.13E-03	2.17E-03	2.17E-03
5156	474363.09	3864877.25	0.08028	2.37E-03	2.41E-03	2.41E-03
5157	474863.09	3864877.25	0.08022	2.36E-03	2.41E-03	2.41E-03
5158	475363.09	3864877.25	0.08046	2.37E-03	2.42E-03	2.42E-03
5159	475863.09	3864877.25	0.0803	2.37E-03	2.41E-03	2.41E-03
5160	476363.09	3864877.25	0.08102	2.39E-03	2.44E-03	2.43E-03
5161	476863.09	3864877.25	0.08411	2.48E-03	2.53E-03	2.53E-03
5162	477363.09	3864877.25	0.08738	2.57E-03	2.63E-03	2.62E-03

5163	477863.09	3864877.25	0.09059	2.67E-03	2.72E-03	2.72E-03
5164	478363.09	3864877.25	0.09095	2.68E-03	2.73E-03	2.73E-03
5165	478863.09	3864877.25	0.08893	2.62E-03	2.67E-03	2.67E-03
5166	479363.09	3864877.25	0.08728	2.57E-03	2.62E-03	2.62E-03
5167	479863.09	3864877.25	0.0877	2.58E-03	2.64E-03	2.63E-03
5168	480363.09	3864877.25	0.08817	2.60E-03	2.65E-03	2.65E-03
5169	480863.09	3864877.25	0.0869	2.56E-03	2.61E-03	2.61E-03
5170	481363.09	3864877.25	0.09159	2.70E-03	2.75E-03	2.75E-03
5171	481863.09	3864877.25	0.09204	2.71E-03	2.77E-03	2.76E-03
5172	482363.09	3864877.25	0.09162	2.70E-03	2.75E-03	2.75E-03
5173	482863.09	3864877.25	0.09843	2.90E-03	2.96E-03	2.96E-03
5174	483363.09	3864877.25	0.09435	2.78E-03	2.84E-03	2.83E-03
5175	483863.09	3864877.25	0.10322	3.04E-03	3.10E-03	3.10E-03
5176	484363.09	3864877.25	0.10335	3.05E-03	3.11E-03	3.10E-03
5177	484863.09	3864877.25	0.10728	3.16E-03	3.23E-03	3.22E-03
5178	485363.09	3864877.25	0.10832	3.19E-03	3.26E-03	3.25E-03
5179	485863.09	3864877.25	0.11079	3.26E-03	3.33E-03	3.33E-03
5180	486363.09	3864877.25	0.12068	3.56E-03	3.63E-03	3.62E-03
5181	486863.09	3864877.25	0.11517	3.39E-03	3.46E-03	3.46E-03
5182	487363.09	3864877.25	0.11493	3.39E-03	3.46E-03	3.45E-03
5183	487863.09	3864877.25	0.11714	3.45E-03	3.52E-03	3.52E-03
5184	488363.09	3864877.25	0.11737	3.46E-03	3.53E-03	3.52E-03
5185	488863.09	3864877.25	0.1183	3.49E-03	3.56E-03	3.55E-03
5186	489363.09	3864877.25	0.11426	3.37E-03	3.44E-03	3.43E-03
5187	489863.09	3864877.25	0.10749	3.17E-03	3.23E-03	3.23E-03
5188	490363.09	3864877.25	0.11257	3.32E-03	3.38E-03	3.38E-03
5189	490863.09	3864877.25	0.1183	3.49E-03	3.56E-03	3.55E-03
5190	491363.09	3864877.25	0.12914	3.81E-03	3.88E-03	3.88E-03
5191	491863.09	3864877.25	0.10962	3.23E-03	3.30E-03	3.29E-03
5192	492363.09	3864877.25	0.05862	1.73E-03	1.76E-03	1.76E-03
5193	492863.09	3864877.25	0.07078	2.09E-03	2.13E-03	2.13E-03
5194	493363.09	3864877.25	0.06756	1.99E-03	2.03E-03	2.03E-03
5195	493863.09	3864877.25	0.11074	3.26E-03	3.33E-03	3.33E-03
5196	494363.09	3864877.25	0.14653	4.32E-03	4.41E-03	4.40E-03
5197	494863.09	3864877.25	0.14918	4.40E-03	4.49E-03	4.48E-03
5198	495363.09	3864877.25	0.17232	5.08E-03	5.18E-03	5.18E-03
5199	495863.09	3864877.25	0.18221	5.37E-03	5.48E-03	5.47E-03
5200	496363.09	3864877.25	0.19293	5.68E-03	5.80E-03	5.79E-03
5201	496863.09	3864877.25	0.17379	5.12E-03	5.23E-03	5.22E-03
5202	497363.09	3864877.25	0.1431	4.22E-03	4.30E-03	4.30E-03
5203	497863.09	3864877.25	0.143	4.21E-03	4.30E-03	4.29E-03
5204	498363.09	3864877.25	0.13229	3.90E-03	3.98E-03	3.97E-03
5205	471363.09	3865377.25	0.06457	1.90E-03	1.94E-03	1.94E-03
5206	471863.09	3865377.25	0.06533	1.93E-03	1.96E-03	1.96E-03
5207	472363.09	3865377.25	0.06578	1.94E-03	1.98E-03	1.98E-03
5208	472863.09	3865377.25	0.06739	1.99E-03	2.03E-03	2.02E-03
5209	473363.09	3865377.25	0.07071	2.08E-03	2.13E-03	2.12E-03
5210	473863.09	3865377.25	0.07315	2.16E-03	2.20E-03	2.20E-03
5211	474363.09	3865377.25	0.07155	2.11E-03	2.15E-03	2.15E-03
5212	474863.09	3865377.25	0.07603	2.24E-03	2.29E-03	2.28E-03
5213	475363.09	3865377.25	0.07573	2.23E-03	2.28E-03	2.27E-03
5214	475863.09	3865377.25	0.07844	2.31E-03	2.36E-03	2.36E-03
5215	476363.09	3865377.25	0.07957	2.34E-03	2.39E-03	2.39E-03
5216	476863.09	3865377.25	0.09074	2.67E-03	2.73E-03	2.73E-03
5217	477363.09	3865377.25	0.08442	2.49E-03	2.54E-03	2.54E-03
5218	477863.09	3865377.25	0.07998	2.36E-03	2.40E-03	2.40E-03
5219	478363.09	3865377.25	0.07721	2.28E-03	2.32E-03	2.32E-03
5220	478863.09	3865377.25	0.0833	2.45E-03	2.50E-03	2.50E-03
5221	479363.09	3865377.25	0.08288	2.44E-03	2.49E-03	2.49E-03
5222	479863.09	3865377.25	0.07863	2.32E-03	2.36E-03	2.36E-03
5223	480363.09	3865377.25	0.08323	2.45E-03	2.50E-03	2.50E-03
5224	480863.09	3865377.25	0.08303	2.45E-03	2.50E-03	2.49E-03
5225	481363.09	3865377.25	0.08166	2.41E-03	2.46E-03	2.45E-03

5226	481863.09	3865377.25	0.08792	2.59E-03	2.64E-03	2.64E-03
5227	482363.09	3865377.25	0.09007	2.65E-03	2.71E-03	2.71E-03
5228	482863.09	3865377.25	0.08718	2.57E-03	2.62E-03	2.62E-03
5229	483363.09	3865377.25	0.08942	2.63E-03	2.69E-03	2.69E-03
5230	483863.09	3865377.25	0.09134	2.69E-03	2.75E-03	2.74E-03
5231	484363.09	3865377.25	0.09704	2.86E-03	2.92E-03	2.91E-03
5232	484863.09	3865377.25	0.09997	2.95E-03	3.01E-03	3.00E-03
5233	485363.09	3865377.25	0.09888	2.91E-03	2.97E-03	2.97E-03
5234	485863.09	3865377.25	0.09944	2.93E-03	2.99E-03	2.99E-03
5235	486363.09	3865377.25	0.10884	3.21E-03	3.27E-03	3.27E-03
5236	486863.09	3865377.25	0.10518	3.10E-03	3.16E-03	3.16E-03
5237	487363.09	3865377.25	0.10571	3.11E-03	3.18E-03	3.17E-03
5238	487863.09	3865377.25	0.10795	3.18E-03	3.25E-03	3.24E-03
5239	488363.09	3865377.25	0.11016	3.25E-03	3.31E-03	3.31E-03
5240	488863.09	3865377.25	0.10509	3.10E-03	3.16E-03	3.16E-03
5241	489363.09	3865377.25	0.10106	2.98E-03	3.04E-03	3.04E-03
5242	489863.09	3865377.25	0.10323	3.04E-03	3.10E-03	3.10E-03
5243	490363.09	3865377.25	0.11186	3.30E-03	3.36E-03	3.36E-03
5244	490863.09	3865377.25	0.1059	3.12E-03	3.18E-03	3.18E-03
5245	491363.09	3865377.25	0.107	3.15E-03	3.22E-03	3.21E-03
5246	491863.09	3865377.25	0.09759	2.88E-03	2.93E-03	2.93E-03
5247	492363.09	3865377.25	0.08784	2.59E-03	2.64E-03	2.64E-03
5248	492863.09	3865377.25	0.07281	2.15E-03	2.19E-03	2.19E-03
5249	493363.09	3865377.25	0.06829	2.01E-03	2.05E-03	2.05E-03
5250	493863.09	3865377.25	0.08845	2.61E-03	2.66E-03	2.66E-03
5251	494363.09	3865377.25	0.11013	3.25E-03	3.31E-03	3.31E-03
5252	494863.09	3865377.25	0.13128	3.87E-03	3.95E-03	3.94E-03
5253	495363.09	3865377.25	0.13031	3.84E-03	3.92E-03	3.91E-03
5254	495863.09	3865377.25	0.15842	4.67E-03	4.76E-03	4.76E-03
5255	496363.09	3865377.25	0.17166	5.06E-03	5.16E-03	5.16E-03
5256	496863.09	3865377.25	0.17771	5.24E-03	5.34E-03	5.34E-03
5257	497363.09	3865377.25	0.15919	4.69E-03	4.79E-03	4.78E-03
5258	497863.09	3865377.25	0.14127	4.16E-03	4.25E-03	4.24E-03
5259	498363.09	3865377.25	0.13983	4.12E-03	4.20E-03	4.20E-03
5260	471363.09	3865877.25	0.06319	1.86E-03	1.90E-03	1.90E-03
5261	471863.09	3865877.25	0.06356	1.87E-03	1.91E-03	1.91E-03
5262	472363.09	3865877.25	0.06968	2.05E-03	2.10E-03	2.09E-03
5263	472863.09	3865877.25	0.06668	1.96E-03	2.00E-03	2.00E-03
5264	473363.09	3865877.25	0.06459	1.90E-03	1.94E-03	1.94E-03
5265	473863.09	3865877.25	0.071	2.09E-03	2.13E-03	2.13E-03
5266	474363.09	3865877.25	0.07174	2.11E-03	2.16E-03	2.15E-03
5267	474863.09	3865877.25	0.07441	2.19E-03	2.24E-03	2.23E-03
5268	475363.09	3865877.25	0.07234	2.13E-03	2.18E-03	2.17E-03
5269	475863.09	3865877.25	0.0728	2.15E-03	2.19E-03	2.19E-03
5270	476363.09	3865877.25	0.07569	2.23E-03	2.28E-03	2.27E-03
5271	476863.09	3865877.25	0.07333	2.16E-03	2.20E-03	2.20E-03
5272	477363.09	3865877.25	0.07319	2.16E-03	2.20E-03	2.20E-03
5273	477863.09	3865877.25	0.07627	2.25E-03	2.29E-03	2.29E-03
5274	478363.09	3865877.25	0.07722	2.28E-03	2.32E-03	2.32E-03
5275	478863.09	3865877.25	0.07543	2.22E-03	2.27E-03	2.27E-03
5276	479363.09	3865877.25	0.07366	2.17E-03	2.21E-03	2.21E-03
5277	479863.09	3865877.25	0.07736	2.28E-03	2.33E-03	2.32E-03
5278	480363.09	3865877.25	0.07882	2.32E-03	2.37E-03	2.37E-03
5279	480863.09	3865877.25	0.07939	2.34E-03	2.39E-03	2.38E-03
5280	481363.09	3865877.25	0.08109	2.39E-03	2.44E-03	2.44E-03
5281	481863.09	3865877.25	0.07969	2.35E-03	2.40E-03	2.39E-03
5282	482363.09	3865877.25	0.08089	2.38E-03	2.43E-03	2.43E-03
5283	482863.09	3865877.25	0.07976	2.35E-03	2.40E-03	2.40E-03
5284	483363.09	3865877.25	0.08367	2.47E-03	2.52E-03	2.51E-03
5285	483863.09	3865877.25	0.0888	2.62E-03	2.67E-03	2.67E-03
5286	484363.09	3865877.25	0.09277	2.73E-03	2.79E-03	2.79E-03
5287	484863.09	3865877.25	0.09064	2.67E-03	2.73E-03	2.72E-03
5288	485363.09	3865877.25	0.08527	2.51E-03	2.56E-03	2.56E-03

5289	485863.09	3865877.25	0.09052	2.67E-03	2.72E-03	2.72E-03
5290	486363.09	3865877.25	0.09755	2.87E-03	2.93E-03	2.93E-03
5291	486863.09	3865877.25	0.09661	2.85E-03	2.90E-03	2.90E-03
5292	487363.09	3865877.25	0.10016	2.95E-03	3.01E-03	3.01E-03
5293	487863.09	3865877.25	0.10177	3.00E-03	3.06E-03	3.06E-03
5294	488363.09	3865877.25	0.09743	2.87E-03	2.93E-03	2.93E-03
5295	488863.09	3865877.25	0.09575	2.82E-03	2.88E-03	2.88E-03
5296	489363.09	3865877.25	0.09451	2.78E-03	2.84E-03	2.84E-03
5297	489863.09	3865877.25	0.09815	2.89E-03	2.95E-03	2.95E-03
5298	490363.09	3865877.25	0.0997	2.94E-03	3.00E-03	2.99E-03
5299	490863.09	3865877.25	0.09968	2.94E-03	3.00E-03	2.99E-03
5300	491363.09	3865877.25	0.09811	2.89E-03	2.95E-03	2.95E-03
5301	491863.09	3865877.25	0.10066	2.97E-03	3.03E-03	3.02E-03
5302	492363.09	3865877.25	0.08997	2.65E-03	2.71E-03	2.70E-03
5303	492863.09	3865877.25	0.07516	2.21E-03	2.26E-03	2.26E-03
5304	493363.09	3865877.25	0.07538	2.22E-03	2.27E-03	2.26E-03
5305	493863.09	3865877.25	0.089	2.62E-03	2.68E-03	2.67E-03
5306	494363.09	3865877.25	0.10299	3.03E-03	3.10E-03	3.09E-03
5307	494863.09	3865877.25	0.11582	3.41E-03	3.48E-03	3.48E-03
5308	495363.09	3865877.25	0.12181	3.59E-03	3.66E-03	3.66E-03
5309	495863.09	3865877.25	0.1234	3.64E-03	3.71E-03	3.71E-03
5310	496363.09	3865877.25	0.14833	4.37E-03	4.46E-03	4.45E-03
5311	496863.09	3865877.25	0.15707	4.63E-03	4.72E-03	4.72E-03
5312	497363.09	3865877.25	0.1607	4.74E-03	4.83E-03	4.83E-03
5313	497863.09	3865877.25	0.14939	4.40E-03	4.49E-03	4.49E-03
5314	498363.09	3865877.25	0.14553	4.29E-03	4.38E-03	4.37E-03
5315	471363.09	3866377.25	0.06096	1.80E-03	1.83E-03	1.83E-03
5316	471863.09	3866377.25	0.06234	1.84E-03	1.87E-03	1.87E-03
5317	472363.09	3866377.25	0.06572	1.94E-03	1.98E-03	1.97E-03
5318	472863.09	3866377.25	0.06619	1.95E-03	1.99E-03	1.99E-03
5319	473363.09	3866377.25	0.06674	1.97E-03	2.01E-03	2.00E-03
5320	473863.09	3866377.25	0.069	2.03E-03	2.07E-03	2.07E-03
5321	474363.09	3866377.25	0.0681	2.01E-03	2.05E-03	2.05E-03
5322	474863.09	3866377.25	0.06824	2.01E-03	2.05E-03	2.05E-03
5323	475363.09	3866377.25	0.0633	1.87E-03	1.90E-03	1.90E-03
5324	475863.09	3866377.25	0.06161	1.82E-03	1.85E-03	1.85E-03
5325	476363.09	3866377.25	0.06622	1.95E-03	1.99E-03	1.99E-03
5326	476863.09	3866377.25	0.07378	2.17E-03	2.22E-03	2.22E-03
5327	477363.09	3866377.25	0.07802	2.30E-03	2.35E-03	2.34E-03
5328	477863.09	3866377.25	0.07268	2.14E-03	2.19E-03	2.18E-03
5329	478363.09	3866377.25	0.06986	2.06E-03	2.10E-03	2.10E-03
5330	478863.09	3866377.25	0.07116	2.10E-03	2.14E-03	2.14E-03
5331	479363.09	3866377.25	0.07119	2.10E-03	2.14E-03	2.14E-03
5332	479863.09	3866377.25	0.07458	2.20E-03	2.24E-03	2.24E-03
5333	480363.09	3866377.25	0.07469	2.20E-03	2.25E-03	2.24E-03
5334	480863.09	3866377.25	0.07321	2.16E-03	2.20E-03	2.20E-03
5335	481363.09	3866377.25	0.0712	2.10E-03	2.14E-03	2.14E-03
5336	481863.09	3866377.25	0.07543	2.22E-03	2.27E-03	2.27E-03
5337	482363.09	3866377.25	0.07736	2.28E-03	2.33E-03	2.32E-03
5338	482863.09	3866377.25	0.07685	2.26E-03	2.31E-03	2.31E-03
5339	483363.09	3866377.25	0.08141	2.40E-03	2.45E-03	2.44E-03
5340	483863.09	3866377.25	0.08286	2.44E-03	2.49E-03	2.49E-03
5341	484363.09	3866377.25	0.08343	2.46E-03	2.51E-03	2.51E-03
5342	484863.09	3866377.25	0.07806	2.30E-03	2.35E-03	2.34E-03
5343	485363.09	3866377.25	0.07876	2.32E-03	2.37E-03	2.37E-03
5344	485863.09	3866377.25	0.08634	2.54E-03	2.60E-03	2.59E-03
5345	486363.09	3866377.25	0.08822	2.60E-03	2.65E-03	2.65E-03
5346	486863.09	3866377.25	0.08678	2.56E-03	2.61E-03	2.61E-03
5347	487363.09	3866377.25	0.09693	2.86E-03	2.91E-03	2.91E-03
5348	487863.09	3866377.25	0.09892	2.91E-03	2.97E-03	2.97E-03
5349	488363.09	3866377.25	0.09338	2.75E-03	2.81E-03	2.80E-03
5350	488863.09	3866377.25	0.09164	2.70E-03	2.76E-03	2.75E-03
5351	489363.09	3866377.25	0.09543	2.81E-03	2.87E-03	2.87E-03

5352	489863.09	3866377.25	0.09381	2.76E-03	2.82E-03	2.82E-03
5353	490363.09	3866377.25	0.09103	2.68E-03	2.74E-03	2.73E-03
5354	490863.09	3866377.25	0.09045	2.67E-03	2.72E-03	2.72E-03
5355	491363.09	3866377.25	0.09681	2.85E-03	2.91E-03	2.91E-03
5356	491863.09	3866377.25	0.08613	2.54E-03	2.59E-03	2.59E-03
5357	492363.09	3866377.25	0.07838	2.31E-03	2.36E-03	2.35E-03
5358	492863.09	3866377.25	0.07759	2.29E-03	2.33E-03	2.33E-03
5359	493363.09	3866377.25	0.08588	2.53E-03	2.58E-03	2.58E-03
5360	493863.09	3866377.25	0.0874	2.58E-03	2.63E-03	2.62E-03
5361	494363.09	3866377.25	0.10307	3.04E-03	3.10E-03	3.10E-03
5362	494863.09	3866377.25	0.11103	3.27E-03	3.34E-03	3.33E-03
5363	495363.09	3866377.25	0.09936	2.93E-03	2.99E-03	2.98E-03
5364	495863.09	3866377.25	0.10221	3.01E-03	3.07E-03	3.07E-03
5365	496363.09	3866377.25	0.10928	3.22E-03	3.29E-03	3.28E-03
5366	496863.09	3866377.25	0.13077	3.85E-03	3.93E-03	3.93E-03
5367	497363.09	3866377.25	0.13776	4.06E-03	4.14E-03	4.14E-03
5368	497863.09	3866377.25	0.13729	4.05E-03	4.13E-03	4.12E-03
5369	498363.09	3866377.25	0.13444	3.96E-03	4.04E-03	4.04E-03
5370	474494.92	3848334.16	8.46407	2.49E-01	2.54E-01	2.54E-01
5371	475167.27	3848920.79	8.8888	2.62E-01	2.67E-01	2.67E-01
5372	475297.89	3848997.96	9.05363	2.67E-01	2.72E-01	2.72E-01
5373	475439.05	3849062	9.14602	2.69E-01	2.75E-01	2.75E-01
5374	475486.86	3849061.09	7.45075	2.20E-01	2.24E-01	2.24E-01
5375	475538.46	3849075.56	7.50517	2.21E-01	2.26E-01	2.25E-01
5376	475751.79	3849137.15	10.16693	3.00E-01	3.06E-01	3.05E-01
5377	476303.62	3849223.38	12.56534	3.70E-01	3.78E-01	3.77E-01
5378	476304.51	3849238.92	12.98034	3.82E-01	3.90E-01	3.90E-01
5379	476365.04	3849247.98	12.92327	3.81E-01	3.89E-01	3.88E-01
5380	476444.86	3849267.13	12.94301	3.81E-01	3.89E-01	3.89E-01
5381	476550.75	3849300.66	13.14831	3.87E-01	3.95E-01	3.95E-01
5382	476656.71	3849346.88	13.92749	4.10E-01	4.19E-01	4.18E-01
5383	476873.55	3849454.53	11.98225	3.53E-01	3.60E-01	3.60E-01
5384	477700	3849859.7	9.68966	2.86E-01	2.91E-01	2.91E-01
5385	477743.16	3849856.38	11.57557	3.41E-01	3.48E-01	3.48E-01
5386	478477.35	3850216.33	11.44472	3.37E-01	3.44E-01	3.44E-01
5387	478485.8	3850201.6	10.14969	2.99E-01	3.05E-01	3.05E-01
5388	479113.21	3850501.53	9.43043	2.78E-01	2.84E-01	2.83E-01
5389	479108.11	3850382.28	5.28327	1.56E-01	1.59E-01	1.59E-01
5390	479689.85	3850674.28	5.63421	1.66E-01	1.69E-01	1.69E-01
5391	479952.42	3850774.28	5.11365	1.51E-01	1.54E-01	1.54E-01
5392	479911.32	3850884.85	9.73184	2.87E-01	2.93E-01	2.92E-01
5393	480500.92	3851178.12	10.39213	3.06E-01	3.12E-01	3.12E-01
5394	480738.01	3851289.27	9.94548	2.93E-01	2.99E-01	2.99E-01
5395	481055.42	3851443.58	9.56468	2.82E-01	2.88E-01	2.87E-01
5396	481110.22	3851443.15	7.99525	2.36E-01	2.40E-01	2.40E-01
5397	481111.1	3851417.45	7.04453	2.08E-01	2.12E-01	2.12E-01
5398	482248.44	3852605.09	8.56266	2.52E-01	2.57E-01	2.57E-01
5399	482273.34	3852632.31	8.76051	2.58E-01	2.63E-01	2.63E-01
5400	482665.46	3853038.72	7.6645	2.26E-01	2.30E-01	2.30E-01
5401	483077.95	3853844.31	1.42329	4.19E-02	4.28E-02	4.27E-02
5402	483121.38	3853909.38	1.28008	3.77E-02	3.85E-02	3.84E-02
5403	483492.64	3853911.49	1.1189	3.30E-02	3.36E-02	3.36E-02
5404	483498.29	3854204.73	0.88324	2.60E-02	2.66E-02	2.65E-02
5405	484132.44	3854662.55	0.51555	1.52E-02	1.55E-02	1.55E-02
5406	484627.62	3854876.13	0.5341	1.57E-02	1.61E-02	1.60E-02
5407	484756.14	3854949.04	0.54684	1.61E-02	1.64E-02	1.64E-02
5408	486697.51	3856599.17	0.3232	9.52E-03	9.72E-03	9.71E-03
5409	487105.31	3856962.27	0.31253	9.21E-03	9.40E-03	9.39E-03
5410	487157.57	3856901.7	0.30534	9.00E-03	9.18E-03	9.17E-03
5411	487173.5	3856853.74	0.30521	8.99E-03	9.18E-03	9.17E-03
5412	487564.41	3856860.83	0.29987	8.84E-03	9.02E-03	9.01E-03
5413	487563.31	3856931.58	0.29732	8.76E-03	8.94E-03	8.93E-03
5414	487782.7	3856926.85	0.30535	9.00E-03	9.18E-03	9.17E-03

5415	487782.39	3856757.07	0.30651	9.03E-03	9.22E-03	9.21E-03
5416	487917.26	3856752.41	0.30231	8.91E-03	9.09E-03	9.08E-03
5417	487919.57	3856953.35	0.33775	9.95E-03	1.02E-02	1.01E-02
5418	487932.76	3857000.32	0.33529	9.88E-03	1.01E-02	1.01E-02
5419	487960.5	3857044.75	0.33317	9.82E-03	1.00E-02	1.00E-02
5420	488016.54	3857089.54	0.33932	1.00E-02	1.02E-02	1.02E-02
5421	488114.39	3857165.47	0.35793	1.05E-02	1.08E-02	1.07E-02
5422	488171.49	3857234.24	0.37376	1.10E-02	1.12E-02	1.12E-02
5423	488193.16	3857297.8	0.38505	1.13E-02	1.16E-02	1.16E-02
5424	488189.27	3857649.94	0.41049	1.21E-02	1.23E-02	1.23E-02
5425	488127.43	3857732.32	0.40662	1.20E-02	1.22E-02	1.22E-02
5426	488149.93	3857752.94	0.40828	1.20E-02	1.23E-02	1.23E-02
5427	488144.76	3857758.71	0.41023	1.21E-02	1.23E-02	1.23E-02
5428	488335.58	3857932.55	0.51267	1.51E-02	1.54E-02	1.54E-02
5429	488372.29	3857943.79	0.5308	1.56E-02	1.60E-02	1.59E-02
5430	488828.64	3857936.4	0.46746	1.38E-02	1.41E-02	1.40E-02
5431	488829.08	3857959.58	0.47126	1.39E-02	1.42E-02	1.42E-02
5432	488351.61	3857964.55	0.51777	1.53E-02	1.56E-02	1.55E-02
5433	488316.87	3857947.65	0.49548	1.46E-02	1.49E-02	1.49E-02
5434	488129.1	3857775.77	0.41419	1.22E-02	1.25E-02	1.24E-02
5435	488062.53	3857846.13	0.44848	1.32E-02	1.35E-02	1.35E-02
5436	488330.41	3858091.34	0.56375	1.66E-02	1.70E-02	1.69E-02
5437	488470.87	3858174.45	0.60595	1.79E-02	1.82E-02	1.82E-02
5438	488568.9	3858262.31	0.73636	2.17E-02	2.21E-02	2.21E-02
5439	488964.27	3858025.71	0.505	1.49E-02	1.52E-02	1.52E-02
5440	489147.25	3857956.64	0.45473	1.34E-02	1.37E-02	1.37E-02
5441	489343.52	3857932.45	0.40654	1.20E-02	1.22E-02	1.22E-02
5442	489866.19	3857923.19	0.35881	1.06E-02	1.08E-02	1.08E-02
5443	489955.65	3857902.27	0.3486	1.03E-02	1.05E-02	1.05E-02
5444	490079.44	3857847.9	0.34508	1.02E-02	1.04E-02	1.04E-02
5445	490108.49	3857934.13	0.35251	1.04E-02	1.06E-02	1.06E-02
5446	489884.48	3858014.17	0.37204	1.10E-02	1.12E-02	1.12E-02
5447	489326.56	3858025.86	0.45344	1.34E-02	1.36E-02	1.36E-02
5448	489130.38	3858056.71	0.5051	1.49E-02	1.52E-02	1.52E-02
5449	488936.49	3858143.93	0.57058	1.68E-02	1.72E-02	1.71E-02
5450	488638.08	3858327.45	0.76295	2.25E-02	2.29E-02	2.29E-02
5451	488663.79	3858349.57	0.76992	2.27E-02	2.31E-02	2.31E-02
5452	488694.56	3858349.5	0.74262	2.19E-02	2.23E-02	2.23E-02
5453	488694.35	3858336.75	0.72685	2.14E-02	2.19E-02	2.18E-02
5454	488712.81	3858336.38	0.71738	2.11E-02	2.16E-02	2.15E-02
5455	488713.23	3858367.46	0.74957	2.21E-02	2.25E-02	2.25E-02
5456	488704.63	3858384.05	0.77952	2.30E-02	2.34E-02	2.34E-02
5457	488604.15	3858488.29	0.99548	2.93E-02	2.99E-02	2.99E-02
5458	488605.66	3858550.47	1.13459	3.34E-02	3.41E-02	3.41E-02
5459	488692.68	3858548.71	1.09921	3.24E-02	3.31E-02	3.30E-02
5460	488759.93	3858461.81	0.84218	2.48E-02	2.53E-02	2.53E-02
5461	488816.57	3858541.79	0.94082	2.77E-02	2.83E-02	2.83E-02
5462	488944.63	3858656.77	1.20637	3.55E-02	3.63E-02	3.62E-02
5463	489134.91	3858830.7	2.19995	6.48E-02	6.61E-02	6.61E-02
5464	489193.99	3858886.05	2.74784	8.10E-02	8.26E-02	8.25E-02
5465	489295.2	3858954.34	3.32286	9.79E-02	9.99E-02	9.98E-02
5466	489295.64	3858992.74	3.97938	1.17E-01	1.20E-01	1.20E-01
5467	489183.74	3858911.72	3.1026	9.14E-02	9.33E-02	9.32E-02
5468	488873.37	3858625.59	1.10596	3.26E-02	3.33E-02	3.32E-02
5469	488842.84	3858658.69	1.23332	3.63E-02	3.71E-02	3.70E-02
5470	488856.39	3858670.93	1.2924	3.81E-02	3.89E-02	3.88E-02
5471	488805.7	3858724.5	1.66789	4.91E-02	5.02E-02	5.01E-02
5472	488805.87	3858804.16	2.62444	7.73E-02	7.89E-02	7.88E-02
5473	488995.78	3858936.96	6.98194	2.06E-01	2.10E-01	2.10E-01
5474	489130.76	3859017.38	8.01486	2.36E-01	2.41E-01	2.41E-01
5475	489130.92	3859052.24	7.80194	2.30E-01	2.35E-01	2.34E-01
5476	489200.33	3859090.6	9.1615	2.70E-01	2.75E-01	2.75E-01
5477	489296.07	3859143.7	9.6199	2.83E-01	2.89E-01	2.89E-01

5478	489296.43	3858954.74	3.32301	9.79E-02	9.99E-02	9.98E-02
5479	489410.33	3859033.19	3.81804	1.13E-01	1.15E-01	1.15E-01
5480	489371.37	3859089.8	5.41519	1.60E-01	1.63E-01	1.63E-01
5481	489390.52	3859102.82	5.49149	1.62E-01	1.65E-01	1.65E-01
5482	489382.3	3859114.53	6.00611	1.77E-01	1.81E-01	1.80E-01
5483	489363.04	3859102.45	5.94898	1.75E-01	1.79E-01	1.79E-01
5484	489337.52	3859140.71	8.46469	2.49E-01	2.55E-01	2.54E-01
5485	489375.14	3859164.55	8.90873	2.63E-01	2.68E-01	2.68E-01
5486	489409.3	3859114.5	5.54721	1.63E-01	1.67E-01	1.67E-01
5487	489434.87	3859131.81	5.67118	1.67E-01	1.71E-01	1.70E-01
5488	489471.87	3859075.75	3.99807	1.18E-01	1.20E-01	1.20E-01
5489	489602.62	3859164.69	4.46519	1.32E-01	1.34E-01	1.34E-01
5490	489558.29	3859232.45	7.26085	2.14E-01	2.18E-01	2.18E-01
5491	489620.11	3859273.56	7.7073	2.27E-01	2.32E-01	2.31E-01
5492	489666.06	3859206.42	4.68052	1.38E-01	1.41E-01	1.41E-01
5493	489787.9	3859285.65	5.13592	1.51E-01	1.54E-01	1.54E-01
5494	489752.17	3859343.13	7.68533	2.26E-01	2.31E-01	2.31E-01
5495	489814.94	3859385.33	8.12864	2.40E-01	2.44E-01	2.44E-01
5496	489853.42	3859330.74	5.462	1.61E-01	1.64E-01	1.64E-01
5497	489969.5	3859401.91	5.73601	1.69E-01	1.72E-01	1.72E-01
5498	490166.91	3859486.96	5.56518	1.64E-01	1.67E-01	1.67E-01
5499	490128.86	3859571.46	10.51473	3.10E-01	3.16E-01	3.16E-01
5500	490186.65	3859593.65	10.86949	3.20E-01	3.27E-01	3.26E-01
5501	490223.74	3859517.48	5.70221	1.68E-01	1.71E-01	1.71E-01
5502	490846.34	3859817.22	7.97382	2.35E-01	2.40E-01	2.39E-01
5503	490925.65	3859844.59	7.2154	2.13E-01	2.17E-01	2.17E-01
5504	491159.29	3859896.28	5.54096	1.63E-01	1.67E-01	1.66E-01
5505	491370.69	3859960.89	4.47587	1.32E-01	1.35E-01	1.34E-01
5506	491330.28	3860063.17	6.21036	1.83E-01	1.87E-01	1.87E-01
5507	491636.45	3860180.75	4.30822	1.27E-01	1.30E-01	1.29E-01
5508	491617.94	3860203.93	4.71956	1.39E-01	1.42E-01	1.42E-01
5509	491805.68	3860271.59	3.83899	1.13E-01	1.15E-01	1.15E-01
5510	491654.23	3860414.02	7.23383	2.13E-01	2.18E-01	2.17E-01
5511	491592.62	3860510.76	3.61437	1.07E-01	1.09E-01	1.09E-01
5512	491475.41	3860368.93	4.97113	1.46E-01	1.49E-01	1.49E-01
5513	491445.61	3860337.28	5.349	1.58E-01	1.61E-01	1.61E-01
5514	491399.05	3860300.37	5.58918	1.65E-01	1.68E-01	1.68E-01
5515	491228.84	3860235.98	4.24698	1.25E-01	1.28E-01	1.28E-01
5516	491228.47	3860174.57	6.01282	1.77E-01	1.81E-01	1.81E-01
5517	491145.77	3860112.55	6.09622	1.80E-01	1.83E-01	1.83E-01
5518	490844.41	3859966.22	5.72786	1.69E-01	1.72E-01	1.72E-01
5519	490845.55	3859928.15	8.09013	2.38E-01	2.43E-01	2.43E-01
5520	490046.91	3859625.6	7.48256	2.20E-01	2.25E-01	2.25E-01
5521	489970.48	3859589.4	7.76948	2.29E-01	2.34E-01	2.33E-01
5522	489865.89	3859529.06	8.28374	2.44E-01	2.49E-01	2.49E-01
5523	489826.89	3859531.74	6.9598	2.05E-01	2.09E-01	2.09E-01
5524	489410.47	3859303.06	6.71791	1.98E-01	2.02E-01	2.02E-01
5525	489407.15	3859286.09	7.41277	2.18E-01	2.23E-01	2.23E-01
5526	488806.07	3858963.62	4.98647	1.47E-01	1.50E-01	1.50E-01
5527	488817.64	3859546.3	1.64652	4.85E-02	4.95E-02	4.94E-02
5528	489187.25	3859549.52	2.22926	6.57E-02	6.70E-02	6.70E-02
5529	489187.66	3859523.74	2.33179	6.87E-02	7.01E-02	7.00E-02
5530	489232.59	3859522.85	2.44962	7.22E-02	7.37E-02	7.36E-02
5531	489224.98	3859759.91	1.67963	4.95E-02	5.05E-02	5.04E-02
5532	488401.39	3859763.34	1.00635	2.97E-02	3.03E-02	3.02E-02
5533	488405.51	3859966.16	0.83699	2.47E-02	2.52E-02	2.51E-02
5534	489202.85	3859956.57	1.32013	3.89E-02	3.97E-02	3.96E-02
5535	489191.9	3860676.74	0.70473	2.08E-02	2.12E-02	2.12E-02
5536	488392.82	3860687.88	0.57951	1.71E-02	1.74E-02	1.74E-02
5537	488392.82	3860760.27	0.56721	1.67E-02	1.71E-02	1.70E-02
5538	487549.05	3860777.45	0.42333	1.25E-02	1.27E-02	1.27E-02
5539	487554.62	3859571.83	0.61902	1.82E-02	1.86E-02	1.86E-02
5540	485949.46	3859558.54	0.31971	9.42E-03	9.61E-03	9.60E-03

5541	485947.55	3857943.61	0.30307	8.93E-03	9.11E-03	9.10E-03
5542	484738.38	3857940.21	0.24942	7.35E-03	7.50E-03	7.49E-03
5543	484737.06	3857535.68	0.26393	7.78E-03	7.94E-03	7.93E-03
5544	483730.2	3857530.13	0.22908	6.75E-03	6.89E-03	6.88E-03
5545	483727.27	3857130.01	0.217	6.39E-03	6.52E-03	6.52E-03
5546	483124.42	3857123.45	0.20499	6.04E-03	6.16E-03	6.16E-03
5547	483111.13	3855921.03	0.27928	8.23E-03	8.40E-03	8.39E-03
5548	482701.73	3855918.24	0.25231	7.43E-03	7.59E-03	7.58E-03
5549	482668.02	3853521.78	2.39454	7.06E-02	7.20E-02	7.19E-02
5550	482579.91	3853219.19	4.14531	1.22E-01	1.25E-01	1.24E-01
5551	482434.06	3852961.94	5.4997	1.62E-01	1.65E-01	1.65E-01
5552	482332.11	3852832.85	6.15451	1.81E-01	1.85E-01	1.85E-01
5553	481334.99	3851818.96	5.61949	1.66E-01	1.69E-01	1.69E-01
5554	481127.62	3851646.36	5.67241	1.67E-01	1.71E-01	1.70E-01
5555	481025.04	3851591.73	5.3598	1.58E-01	1.61E-01	1.61E-01
5556	480513.6	3851335.76	5.42003	1.60E-01	1.63E-01	1.63E-01
5557	480523.56	3851317.66	6.11754	1.80E-01	1.84E-01	1.84E-01
5558	476921.56	3849569.11	6.17251	1.82E-01	1.86E-01	1.85E-01
5559	476521.19	3849373.96	7.11556	2.10E-01	2.14E-01	2.14E-01
5560	476391.45	3849333.38	6.92164	2.04E-01	2.08E-01	2.08E-01
5561	476219.41	3849304.29	6.42337	1.89E-01	1.93E-01	1.93E-01
5562	475679.11	3849218.47	6.75036	1.99E-01	2.03E-01	2.03E-01
5563	475677.71	3849233.88	5.88927	1.74E-01	1.77E-01	1.77E-01
5564	475492.74	3849204.66	4.34369	1.28E-01	1.31E-01	1.30E-01
5565	475497.64	3849158.75	8.77086	2.58E-01	2.64E-01	2.63E-01
5566	475391.35	3849141.94	7.53668	2.22E-01	2.27E-01	2.26E-01
5567	475277	3849095.47	6.96561	2.05E-01	2.09E-01	2.09E-01
5568	475183.93	3849025.66	7.93429	2.34E-01	2.39E-01	2.38E-01
5569	474453.23	3848378.77	7.9866	2.35E-01	2.40E-01	2.40E-01
5570	474569.63	3848399.34	7.87154	2.32E-01	2.37E-01	2.36E-01
5571	474644.33	3848464.52	7.36559	2.17E-01	2.21E-01	2.21E-01
5572	474719.04	3848529.7	9.00603	2.65E-01	2.71E-01	2.70E-01
5573	474793.74	3848594.88	8.00337	2.36E-01	2.41E-01	2.40E-01
5574	474868.45	3848660.07	8.84363	2.61E-01	2.66E-01	2.66E-01
5575	474943.15	3848725.25	8.79948	2.59E-01	2.65E-01	2.64E-01
5576	475017.86	3848790.43	8.88516	2.62E-01	2.67E-01	2.67E-01
5577	475092.56	3848855.61	8.8271	2.60E-01	2.65E-01	2.65E-01
5578	475232.58	3848959.38	8.63089	2.54E-01	2.60E-01	2.59E-01
5579	475368.47	3849029.98	8.87922	2.62E-01	2.67E-01	2.67E-01
5580	475609.57	3849096.09	7.92007	2.33E-01	2.38E-01	2.38E-01
5581	475680.68	3849116.62	8.85448	2.61E-01	2.66E-01	2.66E-01
5582	475843.76	3849151.52	10.47595	3.09E-01	3.15E-01	3.15E-01
5583	475935.73	3849165.89	10.05937	2.96E-01	3.02E-01	3.02E-01
5584	476027.71	3849180.27	10.22529	3.01E-01	3.07E-01	3.07E-01
5585	476119.68	3849194.64	11.96806	3.53E-01	3.60E-01	3.59E-01
5586	476211.65	3849209.01	12.62366	3.72E-01	3.80E-01	3.79E-01
5587	476497.8	3849283.9	12.96671	3.82E-01	3.90E-01	3.89E-01
5588	476603.73	3849323.77	13.49176	3.98E-01	4.06E-01	4.05E-01
5589	476728.99	3849382.76	11.33696	3.34E-01	3.41E-01	3.40E-01
5590	476801.27	3849418.65	11.15239	3.29E-01	3.35E-01	3.35E-01
5591	476956.2	3849495.05	11.58447	3.41E-01	3.48E-01	3.48E-01
5592	477038.84	3849535.56	11.31982	3.34E-01	3.40E-01	3.40E-01
5593	477121.48	3849576.08	11.19037	3.30E-01	3.36E-01	3.36E-01
5594	477204.13	3849616.6	11.04267	3.25E-01	3.32E-01	3.32E-01
5595	477286.78	3849657.12	10.49935	3.09E-01	3.16E-01	3.15E-01
5596	477369.42	3849697.63	10.36785	3.06E-01	3.12E-01	3.11E-01
5597	477452.07	3849738.15	10.56439	3.11E-01	3.18E-01	3.17E-01
5598	477534.71	3849778.67	10.20868	3.01E-01	3.07E-01	3.07E-01
5599	477617.35	3849819.18	10.2847	3.03E-01	3.09E-01	3.09E-01
5600	477824.74	3849896.37	11.14389	3.28E-01	3.35E-01	3.35E-01
5601	477906.31	3849936.37	11.89589	3.51E-01	3.58E-01	3.57E-01
5602	477987.89	3849976.36	11.58772	3.41E-01	3.48E-01	3.48E-01
5603	478069.47	3850016.36	12.02266	3.54E-01	3.61E-01	3.61E-01

5604	478151.04	3850056.35	11.47048	3.38E-01	3.45E-01	3.44E-01
5605	478232.62	3850096.35	11.52969	3.40E-01	3.47E-01	3.46E-01
5606	478314.2	3850136.34	11.50581	3.39E-01	3.46E-01	3.46E-01
5607	478395.77	3850176.34	11.44037	3.37E-01	3.44E-01	3.44E-01
5608	478575.43	3850244.45	9.99811	2.95E-01	3.01E-01	3.00E-01
5609	478665.06	3850287.29	9.93318	2.93E-01	2.99E-01	2.98E-01
5610	478754.69	3850330.14	9.80867	2.89E-01	2.95E-01	2.95E-01
5611	478844.32	3850372.99	9.57257	2.82E-01	2.88E-01	2.87E-01
5612	478933.95	3850415.84	9.27887	2.73E-01	2.79E-01	2.79E-01
5613	479023.58	3850458.68	9.64713	2.84E-01	2.90E-01	2.90E-01
5614	479110.66	3850441.9	6.55238	1.93E-01	1.97E-01	1.97E-01
5615	479191.22	3850423.99	5.2909	1.56E-01	1.59E-01	1.59E-01
5616	479274.32	3850465.71	5.37532	1.58E-01	1.62E-01	1.61E-01
5617	479357.43	3850507.42	5.52594	1.63E-01	1.66E-01	1.66E-01
5618	479440.53	3850549.14	5.60813	1.65E-01	1.69E-01	1.68E-01
5619	479523.64	3850590.85	5.62467	1.66E-01	1.69E-01	1.69E-01
5620	479606.74	3850632.57	5.64821	1.66E-01	1.70E-01	1.70E-01
5621	479777.37	3850707.61	5.44659	1.60E-01	1.64E-01	1.64E-01
5622	479864.9	3850740.95	5.28975	1.56E-01	1.59E-01	1.59E-01
5623	479931.87	3850829.56	6.60638	1.95E-01	1.99E-01	1.98E-01
5624	479995.55	3850926.75	9.59324	2.83E-01	2.88E-01	2.88E-01
5625	480079.78	3850968.64	9.53856	2.81E-01	2.87E-01	2.86E-01
5626	480164.01	3851010.54	9.54476	2.81E-01	2.87E-01	2.87E-01
5627	480248.23	3851052.43	9.44839	2.78E-01	2.84E-01	2.84E-01
5628	480332.46	3851094.33	9.56445	2.82E-01	2.88E-01	2.87E-01
5629	480416.69	3851136.22	10.08759	2.97E-01	3.03E-01	3.03E-01
5630	480579.95	3851215.17	10.31479	3.04E-01	3.10E-01	3.10E-01
5631	480658.98	3851252.22	10.18638	3.00E-01	3.06E-01	3.06E-01
5632	480817.36	3851327.85	9.83661	2.90E-01	2.96E-01	2.95E-01
5633	480896.72	3851366.42	9.8417	2.90E-01	2.96E-01	2.96E-01
5634	480976.07	3851405	9.79968	2.89E-01	2.95E-01	2.94E-01
5635	481178	3851487.31	8.05677	2.37E-01	2.42E-01	2.42E-01
5636	481244.9	3851557.17	8.38308	2.47E-01	2.52E-01	2.52E-01
5637	481311.81	3851627.03	9.13929	2.69E-01	2.75E-01	2.74E-01
5638	481378.71	3851696.89	9.45923	2.79E-01	2.84E-01	2.84E-01
5639	481445.61	3851766.76	9.61112	2.83E-01	2.89E-01	2.89E-01
5640	481512.51	3851836.62	9.68299	2.85E-01	2.91E-01	2.91E-01
5641	481579.42	3851906.48	9.48403	2.79E-01	2.85E-01	2.85E-01
5642	481646.32	3851976.34	9.15468	2.70E-01	2.75E-01	2.75E-01
5643	481713.22	3852046.2	8.84561	2.61E-01	2.66E-01	2.66E-01
5644	481780.12	3852116.06	8.82765	2.60E-01	2.65E-01	2.65E-01
5645	481847.03	3852185.92	8.81851	2.60E-01	2.65E-01	2.65E-01
5646	481913.93	3852255.78	8.71791	2.57E-01	2.62E-01	2.62E-01
5647	481980.83	3852325.65	8.37841	2.47E-01	2.52E-01	2.52E-01
5648	482047.73	3852395.51	8.55386	2.52E-01	2.57E-01	2.57E-01
5649	482114.64	3852465.37	8.20965	2.42E-01	2.47E-01	2.47E-01
5650	482181.54	3852535.23	8.5282	2.51E-01	2.56E-01	2.56E-01
5651	482338.69	3852700.04	8.63097	2.54E-01	2.60E-01	2.59E-01
5652	482404.05	3852767.78	8.65319	2.55E-01	2.60E-01	2.60E-01
5653	482469.4	3852835.52	8.68336	2.56E-01	2.61E-01	2.61E-01
5654	482534.75	3852903.25	8.87449	2.61E-01	2.67E-01	2.67E-01
5655	482600.11	3852970.98	8.56687	2.52E-01	2.58E-01	2.57E-01
5656	482706.71	3853119.28	8.12548	2.39E-01	2.44E-01	2.44E-01
5657	482747.96	3853199.84	7.72885	2.28E-01	2.32E-01	2.32E-01
5658	482789.21	3853280.4	7.64226	2.25E-01	2.30E-01	2.30E-01
5659	482830.46	3853360.96	6.89224	2.03E-01	2.07E-01	2.07E-01
5660	482871.71	3853441.52	6.00795	1.77E-01	1.81E-01	1.80E-01
5661	482912.95	3853522.07	3.28089	9.67E-02	9.86E-02	9.85E-02
5662	482954.2	3853602.63	2.54633	7.50E-02	7.66E-02	7.65E-02
5663	482995.45	3853683.19	1.97564	5.82E-02	5.94E-02	5.93E-02
5664	483036.7	3853763.75	1.58778	4.68E-02	4.77E-02	4.77E-02
5665	483214.2	3853909.91	1.29552	3.82E-02	3.90E-02	3.89E-02
5666	483307.01	3853910.44	1.26502	3.73E-02	3.80E-02	3.80E-02

5667	483399.83	3853910.96	1.15057	3.39E-02	3.46E-02	3.46E-02
5668	483494.52	3854009.24	1.05131	3.10E-02	3.16E-02	3.16E-02
5669	483496.41	3854106.98	0.98122	2.89E-02	2.95E-02	2.95E-02
5670	483577.56	3854261.96	0.84413	2.49E-02	2.54E-02	2.54E-02
5671	483656.83	3854319.19	0.77913	2.30E-02	2.34E-02	2.34E-02
5672	483736.1	3854376.41	0.77066	2.27E-02	2.32E-02	2.31E-02
5673	483815.36	3854433.64	0.69592	2.05E-02	2.09E-02	2.09E-02
5674	483894.63	3854490.87	0.62113	1.83E-02	1.87E-02	1.87E-02
5675	483973.9	3854548.1	0.57929	1.71E-02	1.74E-02	1.74E-02
5676	484053.17	3854605.32	0.55582	1.64E-02	1.67E-02	1.67E-02
5677	484214.97	3854698.15	0.48536	1.43E-02	1.46E-02	1.46E-02
5678	484297.5	3854733.74	0.50144	1.48E-02	1.51E-02	1.51E-02
5679	484380.03	3854769.34	0.54266	1.60E-02	1.63E-02	1.63E-02
5680	484462.56	3854804.94	0.54855	1.62E-02	1.65E-02	1.65E-02
5681	484545.09	3854840.53	0.51148	1.51E-02	1.54E-02	1.54E-02
5682	484691.88	3854912.58	0.53928	1.59E-02	1.62E-02	1.62E-02
5683	484830.81	3855012.51	0.53922	1.59E-02	1.62E-02	1.62E-02
5684	484905.48	3855075.97	0.53555	1.58E-02	1.61E-02	1.61E-02
5685	484980.14	3855139.44	0.52279	1.54E-02	1.57E-02	1.57E-02
5686	485054.81	3855202.91	0.50707	1.49E-02	1.52E-02	1.52E-02
5687	485129.48	3855266.37	0.48949	1.44E-02	1.47E-02	1.47E-02
5688	485204.15	3855329.84	0.47784	1.41E-02	1.44E-02	1.44E-02
5689	485278.82	3855393.31	0.46375	1.37E-02	1.39E-02	1.39E-02
5690	485353.48	3855456.77	0.44865	1.32E-02	1.35E-02	1.35E-02
5691	485428.15	3855520.24	0.43569	1.28E-02	1.31E-02	1.31E-02
5692	485502.82	3855583.71	0.42289	1.25E-02	1.27E-02	1.27E-02
5693	485577.49	3855647.17	0.40761	1.20E-02	1.23E-02	1.22E-02
5694	485652.16	3855710.64	0.39332	1.16E-02	1.18E-02	1.18E-02
5695	485726.83	3855774.1	0.39075	1.15E-02	1.17E-02	1.17E-02
5696	485801.49	3855837.57	0.38732	1.14E-02	1.16E-02	1.16E-02
5697	485876.16	3855901.04	0.38492	1.13E-02	1.16E-02	1.16E-02
5698	485950.83	3855964.5	0.38013	1.12E-02	1.14E-02	1.14E-02
5699	486025.5	3856027.97	0.37648	1.11E-02	1.13E-02	1.13E-02
5700	486100.17	3856091.44	0.36167	1.07E-02	1.09E-02	1.09E-02
5701	486174.83	3856154.9	0.36078	1.06E-02	1.08E-02	1.08E-02
5702	486249.5	3856218.37	0.36074	1.06E-02	1.08E-02	1.08E-02
5703	486324.17	3856281.84	0.34831	1.03E-02	1.05E-02	1.05E-02
5704	486398.84	3856345.3	0.34857	1.03E-02	1.05E-02	1.05E-02
5705	486473.51	3856408.77	0.34557	1.02E-02	1.04E-02	1.04E-02
5706	486548.17	3856472.24	0.33872	9.98E-03	1.02E-02	1.02E-02
5707	486622.84	3856535.7	0.33077	9.75E-03	9.95E-03	9.93E-03
5708	486765.48	3856659.69	0.31617	9.32E-03	9.51E-03	9.50E-03
5709	486833.44	3856720.2	0.31046	9.15E-03	9.33E-03	9.32E-03
5710	486901.41	3856780.72	0.31213	9.20E-03	9.39E-03	9.37E-03
5711	486969.38	3856841.24	0.31314	9.23E-03	9.42E-03	9.40E-03
5712	487037.34	3856901.75	0.31409	9.26E-03	9.44E-03	9.43E-03
5713	487271.23	3856855.51	0.29792	8.78E-03	8.96E-03	8.95E-03
5714	487368.96	3856857.29	0.29141	8.59E-03	8.76E-03	8.75E-03
5715	487466.68	3856859.06	0.29007	8.55E-03	8.72E-03	8.71E-03
5716	487636.44	3856930	0.30316	8.93E-03	9.12E-03	9.10E-03
5717	487709.57	3856928.43	0.31388	9.25E-03	9.44E-03	9.43E-03
5718	487782.54	3856841.96	0.30165	8.89E-03	9.07E-03	9.06E-03
5719	487849.83	3856754.74	0.30368	8.95E-03	9.13E-03	9.12E-03
5720	487918.03	3856819.39	0.31468	9.27E-03	9.46E-03	9.45E-03
5721	487918.8	3856886.37	0.33048	9.74E-03	9.94E-03	9.93E-03
5722	488065.47	3857127.5	0.35007	1.03E-02	1.05E-02	1.05E-02
5723	488192.19	3857385.83	0.38893	1.15E-02	1.17E-02	1.17E-02
5724	488191.22	3857473.87	0.40092	1.18E-02	1.21E-02	1.20E-02
5725	488190.24	3857561.9	0.42746	1.26E-02	1.29E-02	1.28E-02
5726	488158.35	3857691.13	0.39847	1.17E-02	1.20E-02	1.20E-02
5727	488208.37	3857816.66	0.42852	1.26E-02	1.29E-02	1.29E-02
5728	488271.97	3857874.6	0.47083	1.39E-02	1.42E-02	1.41E-02
5729	488463.56	3857942.31	0.52264	1.54E-02	1.57E-02	1.57E-02

5730	488554.83	3857940.83	0.50434	1.49E-02	1.52E-02	1.51E-02
5731	488646.1	3857939.36	0.48316	1.42E-02	1.45E-02	1.45E-02
5732	488737.37	3857937.88	0.47382	1.40E-02	1.42E-02	1.42E-02
5733	488733.59	3857960.57	0.48008	1.41E-02	1.44E-02	1.44E-02
5734	488638.09	3857961.57	0.49313	1.45E-02	1.48E-02	1.48E-02
5735	488542.6	3857962.56	0.51584	1.52E-02	1.55E-02	1.55E-02
5736	488447.1	3857963.56	0.5325	1.57E-02	1.60E-02	1.60E-02
5737	488254.28	3857890.36	0.45653	1.35E-02	1.37E-02	1.37E-02
5738	488191.69	3857833.06	0.43398	1.28E-02	1.30E-02	1.30E-02
5739	488129.5	3857907.43	0.4775	1.41E-02	1.44E-02	1.43E-02
5740	488196.47	3857968.73	0.50297	1.48E-02	1.51E-02	1.51E-02
5741	488263.44	3858030.04	0.53556	1.58E-02	1.61E-02	1.61E-02
5742	488400.64	3858132.9	0.59562	1.76E-02	1.79E-02	1.79E-02
5743	488519.89	3858218.38	0.65832	1.94E-02	1.98E-02	1.98E-02
5744	488647.97	3858214.99	0.63186	1.86E-02	1.90E-02	1.90E-02
5745	488727.05	3858167.67	0.57327	1.69E-02	1.72E-02	1.72E-02
5746	488806.12	3858120.35	0.5294	1.56E-02	1.59E-02	1.59E-02
5747	488885.2	3858073.03	0.51863	1.53E-02	1.56E-02	1.56E-02
5748	489055.76	3857991.17	0.48502	1.43E-02	1.46E-02	1.46E-02
5749	489245.39	3857944.54	0.41367	1.22E-02	1.24E-02	1.24E-02
5750	489430.63	3857930.91	0.39054	1.15E-02	1.17E-02	1.17E-02
5751	489517.74	3857929.36	0.41216	1.21E-02	1.24E-02	1.24E-02
5752	489604.85	3857927.82	0.39484	1.16E-02	1.19E-02	1.19E-02
5753	489691.97	3857926.28	0.36321	1.07E-02	1.09E-02	1.09E-02
5754	489779.08	3857924.73	0.3693	1.09E-02	1.11E-02	1.11E-02
5755	490017.54	3857875.08	0.33529	9.88E-03	1.01E-02	1.01E-02
5756	490033.82	3857960.81	0.3518	1.04E-02	1.06E-02	1.06E-02
5757	489959.15	3857987.49	0.36785	1.08E-02	1.11E-02	1.10E-02
5758	489791.49	3858016.12	0.38835	1.14E-02	1.17E-02	1.17E-02
5759	489698.51	3858018.07	0.39825	1.17E-02	1.20E-02	1.20E-02
5760	489605.52	3858020.02	0.43553	1.28E-02	1.31E-02	1.31E-02
5761	489512.53	3858021.96	0.44282	1.30E-02	1.33E-02	1.33E-02
5762	489419.55	3858023.91	0.42044	1.24E-02	1.26E-02	1.26E-02
5763	489228.47	3858041.29	0.47298	1.39E-02	1.42E-02	1.42E-02
5764	489065.75	3858085.78	0.54996	1.62E-02	1.65E-02	1.65E-02
5765	489001.12	3858114.86	0.58166	1.71E-02	1.75E-02	1.75E-02
5766	488861.89	3858189.81	0.56232	1.66E-02	1.69E-02	1.69E-02
5767	488787.28	3858235.69	0.59466	1.75E-02	1.79E-02	1.79E-02
5768	488712.68	3858281.57	0.67342	1.98E-02	2.02E-02	2.02E-02
5769	488654.39	3858436.17	0.91552	2.70E-02	2.75E-02	2.75E-02
5770	488726.3	3858505.26	0.96586	2.85E-02	2.90E-02	2.90E-02
5771	488880.6	3858599.28	1.01877	3.00E-02	3.06E-02	3.06E-02
5772	489008.06	3858714.75	1.32309	3.90E-02	3.98E-02	3.97E-02
5773	489071.48	3858772.72	1.67931	4.95E-02	5.05E-02	5.04E-02
5774	489244.59	3858920.19	2.90526	8.56E-02	8.74E-02	8.73E-02
5775	489239.69	3858952.23	3.62945	1.07E-01	1.09E-01	1.09E-01
5776	489121.67	3858854.49	2.47495	7.29E-02	7.44E-02	7.43E-02
5777	489059.59	3858797.27	1.86751	5.50E-02	5.62E-02	5.61E-02
5778	488997.52	3858740.04	1.44578	4.26E-02	4.35E-02	4.34E-02
5779	488935.44	3858682.82	1.29691	3.82E-02	3.90E-02	3.89E-02
5780	488869.17	3858848.43	3.17764	9.36E-02	9.55E-02	9.54E-02
5781	488932.48	3858892.69	4.93136	1.45E-01	1.48E-01	1.48E-01
5782	489063.27	3858977.17	7.71725	2.27E-01	2.32E-01	2.32E-01
5783	489248.2	3859117.15	9.4054	2.77E-01	2.83E-01	2.82E-01
5784	489296.25	3859049.22	5.35242	1.58E-01	1.61E-01	1.61E-01
5785	489353.38	3858993.96	3.59612	1.06E-01	1.08E-01	1.08E-01
5786	489537.24	3859120.22	4.21967	1.24E-01	1.27E-01	1.27E-01
5787	489726.98	3859246.04	4.88986	1.44E-01	1.47E-01	1.47E-01
5788	489911.46	3859366.33	5.56785	1.64E-01	1.67E-01	1.67E-01
5789	490035.3	3859430.26	5.61594	1.65E-01	1.69E-01	1.69E-01
5790	490101.11	3859458.61	5.57961	1.64E-01	1.68E-01	1.68E-01
5791	490312.68	3859560.3	5.92885	1.75E-01	1.78E-01	1.78E-01
5792	490401.63	3859603.12	6.19066	1.82E-01	1.86E-01	1.86E-01

5793	490490.57	3859645.94	6.6479	1.96E-01	2.00E-01	2.00E-01
5794	490579.51	3859688.76	7.06546	2.08E-01	2.12E-01	2.12E-01
5795	490668.45	3859731.58	7.15092	2.11E-01	2.15E-01	2.15E-01
5796	490757.4	3859774.4	7.88235	2.32E-01	2.37E-01	2.37E-01
5797	491003.53	3859861.82	6.6612	1.96E-01	2.00E-01	2.00E-01
5798	491081.41	3859879.05	6.09521	1.80E-01	1.83E-01	1.83E-01
5799	491229.76	3859917.82	5.33041	1.57E-01	1.60E-01	1.60E-01
5800	491300.22	3859939.35	4.92876	1.45E-01	1.48E-01	1.48E-01
5801	491350.48	3860012.03	5.22207	1.54E-01	1.57E-01	1.57E-01
5802	491406.82	3860092.56	5.6445	1.66E-01	1.70E-01	1.70E-01
5803	491483.36	3860121.96	5.13626	1.51E-01	1.54E-01	1.54E-01
5804	491559.91	3860151.35	4.65616	1.37E-01	1.40E-01	1.40E-01
5805	491711.81	3860237.76	3.22359	9.50E-02	9.69E-02	9.68E-02
5806	491755.2	3860319.07	4.44697	1.31E-01	1.34E-01	1.34E-01
5807	491704.71	3860366.54	5.83573	1.72E-01	1.75E-01	1.75E-01
5808	491623.42	3860462.39	5.59428	1.65E-01	1.68E-01	1.68E-01
5809	491534.02	3860439.85	3.36563	9.92E-02	1.01E-01	1.01E-01
5810	491313.95	3860268.17	4.63913	1.37E-01	1.39E-01	1.39E-01
5811	491187.12	3860143.56	6.12962	1.81E-01	1.84E-01	1.84E-01
5812	491070.43	3860075.97	5.61838	1.66E-01	1.69E-01	1.69E-01
5813	490995.09	3860039.38	5.25761	1.55E-01	1.58E-01	1.58E-01
5814	490919.75	3860002.8	5.33981	1.57E-01	1.61E-01	1.60E-01
5815	490756.81	3859894.53	8.19293	2.41E-01	2.46E-01	2.46E-01
5816	490668.07	3859860.92	7.88019	2.32E-01	2.37E-01	2.37E-01
5817	490579.34	3859827.3	7.95397	2.34E-01	2.39E-01	2.39E-01
5818	490490.6	3859793.68	7.60592	2.24E-01	2.29E-01	2.28E-01
5819	490401.86	3859760.07	7.44562	2.19E-01	2.24E-01	2.24E-01
5820	490313.12	3859726.45	7.52955	2.22E-01	2.26E-01	2.26E-01
5821	490224.39	3859692.83	7.68541	2.26E-01	2.31E-01	2.31E-01
5822	490135.65	3859659.22	7.72942	2.28E-01	2.32E-01	2.32E-01
5823	489918.18	3859559.23	8.19601	2.42E-01	2.46E-01	2.46E-01
5824	489743.61	3859486	6.8116	2.01E-01	2.05E-01	2.05E-01
5825	489660.32	3859440.27	6.76065	1.99E-01	2.03E-01	2.03E-01
5826	489577.04	3859394.53	6.69456	1.97E-01	2.01E-01	2.01E-01
5827	489493.75	3859348.8	6.64123	1.96E-01	2.00E-01	1.99E-01
5828	489321.28	3859240.02	7.39176	2.18E-01	2.22E-01	2.22E-01
5829	489235.41	3859193.96	7.53249	2.22E-01	2.26E-01	2.26E-01
5830	489149.54	3859147.89	6.70571	1.98E-01	2.02E-01	2.01E-01
5831	489063.68	3859101.82	6.36509	1.88E-01	1.91E-01	1.91E-01
5832	488977.81	3859055.75	6.11674	1.80E-01	1.84E-01	1.84E-01
5833	488891.94	3859009.69	5.60117	1.65E-01	1.68E-01	1.68E-01
5834	488808	3859060.73	3.54946	1.05E-01	1.07E-01	1.07E-01
5835	488809.93	3859157.85	2.92023	8.60E-02	8.78E-02	8.77E-02
5836	488811.85	3859254.96	2.35811	6.95E-02	7.09E-02	7.08E-02
5837	488813.78	3859352.07	2.07184	6.10E-02	6.23E-02	6.22E-02
5838	488815.71	3859449.19	1.83609	5.41E-02	5.52E-02	5.51E-02
5839	488910.04	3859547.1	1.76917	5.21E-02	5.32E-02	5.31E-02
5840	489002.45	3859547.91	1.89977	5.60E-02	5.71E-02	5.71E-02
5841	489094.85	3859548.71	2.06135	6.07E-02	6.20E-02	6.19E-02
5842	489230.05	3859601.87	2.12268	6.25E-02	6.38E-02	6.37E-02
5843	489227.52	3859680.89	1.88713	5.56E-02	5.67E-02	5.67E-02
5844	489133.47	3859760.29	1.58833	4.68E-02	4.78E-02	4.77E-02
5845	489041.96	3859760.67	1.5037	4.43E-02	4.52E-02	4.52E-02
5846	488950.45	3859761.05	1.41795	4.18E-02	4.26E-02	4.26E-02
5847	488858.94	3859761.43	1.33126	3.92E-02	4.00E-02	4.00E-02
5848	488767.43	3859761.82	1.2534	3.69E-02	3.77E-02	3.76E-02
5849	488675.92	3859762.2	1.1929	3.52E-02	3.59E-02	3.58E-02
5850	488584.41	3859762.58	1.12824	3.32E-02	3.39E-02	3.39E-02
5851	488492.9	3859762.96	1.05869	3.12E-02	3.18E-02	3.18E-02
5852	488402.76	3859830.95	0.94836	2.79E-02	2.85E-02	2.85E-02
5853	488404.14	3859898.55	0.88951	2.62E-02	2.67E-02	2.67E-02
5854	488505.18	3859964.96	0.88779	2.62E-02	2.67E-02	2.67E-02
5855	488604.84	3859963.76	0.93997	2.77E-02	2.83E-02	2.82E-02

5856	488704.51	3859962.56	1.06889	3.15E-02	3.21E-02	3.21E-02
5857	488804.18	3859961.37	1.11418	3.28E-02	3.35E-02	3.35E-02
5858	488903.85	3859960.17	1.15888	3.41E-02	3.48E-02	3.48E-02
5859	489003.52	3859958.97	1.20284	3.54E-02	3.62E-02	3.61E-02
5860	489103.18	3859957.77	1.25059	3.69E-02	3.76E-02	3.76E-02
5861	489201.48	3860046.59	1.21949	3.59E-02	3.67E-02	3.66E-02
5862	489200.11	3860136.61	1.09623	3.23E-02	3.30E-02	3.29E-02
5863	489198.74	3860226.63	1.0145	2.99E-02	3.05E-02	3.05E-02
5864	489197.38	3860316.65	0.94499	2.78E-02	2.84E-02	2.84E-02
5865	489196.01	3860406.68	0.88649	2.61E-02	2.67E-02	2.66E-02
5866	489194.64	3860496.7	0.80878	2.38E-02	2.43E-02	2.43E-02
5867	489193.27	3860586.72	0.73653	2.17E-02	2.21E-02	2.21E-02
5868	489092.02	3860678.13	0.69252	2.04E-02	2.08E-02	2.08E-02
5869	488992.13	3860679.52	0.67823	2.00E-02	2.04E-02	2.04E-02
5870	488892.24	3860680.92	0.66	1.94E-02	1.98E-02	1.98E-02
5871	488792.36	3860682.31	0.63049	1.86E-02	1.90E-02	1.89E-02
5872	488692.47	3860683.7	0.60464	1.78E-02	1.82E-02	1.82E-02
5873	488592.59	3860685.1	0.59478	1.75E-02	1.79E-02	1.79E-02
5874	488492.71	3860686.49	0.59028	1.74E-02	1.77E-02	1.77E-02
5875	488299.07	3860762.18	0.55408	1.63E-02	1.67E-02	1.66E-02
5876	488205.32	3860764.09	0.542	1.60E-02	1.63E-02	1.63E-02
5877	488111.56	3860766	0.52641	1.55E-02	1.58E-02	1.58E-02
5878	488017.81	3860767.91	0.50849	1.50E-02	1.53E-02	1.53E-02
5879	487924.06	3860769.81	0.48939	1.44E-02	1.47E-02	1.47E-02
5880	487830.31	3860771.72	0.46875	1.38E-02	1.41E-02	1.41E-02
5881	487736.55	3860773.63	0.44835	1.32E-02	1.35E-02	1.35E-02
5882	487642.8	3860775.54	0.43183	1.27E-02	1.30E-02	1.30E-02
5883	487549.48	3860684.71	0.44186	1.30E-02	1.33E-02	1.33E-02
5884	487549.91	3860591.97	0.44548	1.31E-02	1.34E-02	1.34E-02
5885	487550.34	3860499.23	0.46046	1.36E-02	1.38E-02	1.38E-02
5886	487550.76	3860406.49	0.47637	1.40E-02	1.43E-02	1.43E-02
5887	487551.19	3860313.75	0.50832	1.50E-02	1.53E-02	1.53E-02
5888	487551.62	3860221.01	0.51719	1.52E-02	1.56E-02	1.55E-02
5889	487552.05	3860128.27	0.52223	1.54E-02	1.57E-02	1.57E-02
5890	487552.48	3860035.53	0.53362	1.57E-02	1.60E-02	1.60E-02
5891	487552.91	3859942.79	0.51692	1.52E-02	1.55E-02	1.55E-02
5892	487553.33	3859850.05	0.54572	1.61E-02	1.64E-02	1.64E-02
5893	487553.76	3859757.31	0.55845	1.65E-02	1.68E-02	1.68E-02
5894	487554.19	3859664.57	0.59163	1.74E-02	1.78E-02	1.78E-02
5895	487460.2	3859571.05	0.58102	1.71E-02	1.75E-02	1.74E-02
5896	487365.78	3859570.27	0.55058	1.62E-02	1.66E-02	1.65E-02
5897	487271.36	3859569.48	0.52057	1.53E-02	1.57E-02	1.56E-02
5898	487176.94	3859568.7	0.49197	1.45E-02	1.48E-02	1.48E-02
5899	487082.51	3859567.92	0.4658	1.37E-02	1.40E-02	1.40E-02
5900	486988.09	3859567.14	0.44093	1.30E-02	1.33E-02	1.32E-02
5901	486893.67	3859566.36	0.42652	1.26E-02	1.28E-02	1.28E-02
5902	486799.25	3859565.58	0.41356	1.22E-02	1.24E-02	1.24E-02
5903	486704.83	3859564.79	0.40144	1.18E-02	1.21E-02	1.21E-02
5904	486610.41	3859564.01	0.39007	1.15E-02	1.17E-02	1.17E-02
5905	486515.99	3859563.23	0.37815	1.11E-02	1.14E-02	1.14E-02
5906	486421.57	3859562.45	0.36745	1.08E-02	1.10E-02	1.10E-02
5907	486327.14	3859561.67	0.35784	1.05E-02	1.08E-02	1.07E-02
5908	486232.72	3859560.89	0.34759	1.02E-02	1.05E-02	1.04E-02
5909	486138.3	3859560.1	0.33928	1.00E-02	1.02E-02	1.02E-02
5910	486043.88	3859559.32	0.32875	9.69E-03	9.88E-03	9.87E-03
5911	485949.35	3859463.54	0.32793	9.66E-03	9.86E-03	9.85E-03
5912	485949.24	3859368.55	0.34158	1.01E-02	1.03E-02	1.03E-02
5913	485949.12	3859273.55	0.34329	1.01E-02	1.03E-02	1.03E-02
5914	485949.01	3859178.56	0.35905	1.06E-02	1.08E-02	1.08E-02
5915	485948.9	3859083.56	0.35578	1.05E-02	1.07E-02	1.07E-02
5916	485948.79	3858988.56	0.3676	1.08E-02	1.11E-02	1.10E-02
5917	485948.67	3858893.57	0.36885	1.09E-02	1.11E-02	1.11E-02
5918	485948.56	3858798.57	0.3768	1.11E-02	1.13E-02	1.13E-02

5919	485948.45	3858703.58	0.38026	1.12E-02	1.14E-02	1.14E-02
5920	485948.34	3858608.58	0.36475	1.07E-02	1.10E-02	1.10E-02
5921	485948.22	3858513.59	0.36287	1.07E-02	1.09E-02	1.09E-02
5922	485948.11	3858418.59	0.34316	1.01E-02	1.03E-02	1.03E-02
5923	485948	3858323.59	0.35515	1.05E-02	1.07E-02	1.07E-02
5924	485947.89	3858228.6	0.36804	1.08E-02	1.11E-02	1.11E-02
5925	485947.77	3858133.6	0.35647	1.05E-02	1.07E-02	1.07E-02
5926	485947.66	3858038.61	0.33765	9.95E-03	1.02E-02	1.01E-02
5927	485854.54	3857943.35	0.3142	9.26E-03	9.45E-03	9.44E-03
5928	485761.52	3857943.09	0.32459	9.56E-03	9.76E-03	9.75E-03
5929	485668.51	3857942.83	0.3271	9.64E-03	9.84E-03	9.82E-03
5930	485575.5	3857942.56	0.30666	9.04E-03	9.22E-03	9.21E-03
5931	485482.48	3857942.3	0.31512	9.29E-03	9.48E-03	9.46E-03
5932	485389.47	3857942.04	0.30128	8.88E-03	9.06E-03	9.05E-03
5933	485296.46	3857941.78	0.29557	8.71E-03	8.89E-03	8.88E-03
5934	485203.45	3857941.52	0.303	8.93E-03	9.11E-03	9.10E-03
5935	485110.43	3857941.26	0.3099	9.13E-03	9.32E-03	9.31E-03
5936	485017.42	3857940.99	0.29294	8.63E-03	8.81E-03	8.80E-03
5937	484924.41	3857940.73	0.27371	8.07E-03	8.23E-03	8.22E-03
5938	484831.39	3857940.47	0.25536	7.52E-03	7.68E-03	7.67E-03
5939	484738.12	3857859.3	0.26345	7.76E-03	7.92E-03	7.91E-03
5940	484737.85	3857778.4	0.25924	7.64E-03	7.79E-03	7.79E-03
5941	484737.59	3857697.49	0.2533	7.46E-03	7.62E-03	7.61E-03
5942	484737.32	3857616.59	0.26197	7.72E-03	7.88E-03	7.87E-03
5943	484645.53	3857535.18	0.25343	7.47E-03	7.62E-03	7.61E-03
5944	484553.99	3857534.67	0.24291	7.16E-03	7.30E-03	7.30E-03
5945	484462.46	3857534.17	0.24222	7.14E-03	7.28E-03	7.27E-03
5946	484370.93	3857533.66	0.23789	7.01E-03	7.15E-03	7.14E-03
5947	484279.4	3857533.16	0.2318	6.83E-03	6.97E-03	6.96E-03
5948	484187.86	3857532.65	0.22239	6.55E-03	6.69E-03	6.68E-03
5949	484096.33	3857532.15	0.23041	6.79E-03	6.93E-03	6.92E-03
5950	484004.8	3857531.64	0.22683	6.68E-03	6.82E-03	6.81E-03
5951	483913.27	3857531.14	0.22819	6.72E-03	6.86E-03	6.85E-03
5952	483821.73	3857530.63	0.22496	6.63E-03	6.76E-03	6.76E-03
5953	483729.61	3857450.11	0.22541	6.64E-03	6.78E-03	6.77E-03
5954	483729.03	3857370.08	0.22395	6.60E-03	6.73E-03	6.73E-03
5955	483728.44	3857290.06	0.21247	6.26E-03	6.39E-03	6.38E-03
5956	483727.86	3857210.03	0.20969	6.18E-03	6.30E-03	6.30E-03
5957	483641.15	3857129.07	0.20976	6.18E-03	6.31E-03	6.30E-03
5958	483555.03	3857128.14	0.20609	6.07E-03	6.20E-03	6.19E-03
5959	483468.91	3857127.2	0.20585	6.07E-03	6.19E-03	6.18E-03
5960	483382.78	3857126.26	0.20751	6.11E-03	6.24E-03	6.23E-03
5961	483296.66	3857125.32	0.20832	6.14E-03	6.26E-03	6.26E-03
5962	483210.54	3857124.39	0.20785	6.12E-03	6.25E-03	6.24E-03
5963	483123.4	3857030.96	0.20643	6.08E-03	6.21E-03	6.20E-03
5964	483122.38	3856938.46	0.20769	6.12E-03	6.24E-03	6.24E-03
5965	483121.35	3856845.97	0.21301	6.28E-03	6.40E-03	6.40E-03
5966	483120.33	3856753.47	0.21744	6.41E-03	6.54E-03	6.53E-03
5967	483119.31	3856660.98	0.22166	6.53E-03	6.66E-03	6.66E-03
5968	483118.29	3856568.49	0.2276	6.71E-03	6.84E-03	6.84E-03
5969	483117.26	3856475.99	0.23379	6.89E-03	7.03E-03	7.02E-03
5970	483116.24	3856383.5	0.24028	7.08E-03	7.22E-03	7.22E-03
5971	483115.22	3856291.01	0.24232	7.14E-03	7.29E-03	7.28E-03
5972	483114.2	3856198.51	0.25085	7.39E-03	7.54E-03	7.53E-03
5973	483113.17	3856106.02	0.26142	7.70E-03	7.86E-03	7.85E-03
5974	483112.15	3856013.52	0.27078	7.98E-03	8.14E-03	8.13E-03
5975	483029.25	3855920.47	0.27257	8.03E-03	8.20E-03	8.19E-03
5976	482947.37	3855919.91	0.26323	7.76E-03	7.91E-03	7.91E-03
5977	482865.49	3855919.36	0.25905	7.63E-03	7.79E-03	7.78E-03
5978	482783.61	3855918.8	0.25298	7.45E-03	7.61E-03	7.60E-03
5979	482700.33	3855818.39	0.25871	7.62E-03	7.78E-03	7.77E-03
5980	482698.92	3855718.54	0.26617	7.84E-03	8.00E-03	7.99E-03
5981	482697.52	3855618.68	0.27562	8.12E-03	8.29E-03	8.28E-03

5982	482696.11	3855518.83	0.28376	8.36E-03	8.53E-03	8.52E-03
5983	482694.71	3855418.98	0.29414	8.67E-03	8.84E-03	8.83E-03
5984	482693.3	3855319.13	0.30952	9.12E-03	9.31E-03	9.30E-03
5985	482691.9	3855219.27	0.32644	9.62E-03	9.82E-03	9.80E-03
5986	482690.49	3855119.42	0.34345	1.01E-02	1.03E-02	1.03E-02
5987	482689.09	3855019.57	0.36152	1.07E-02	1.09E-02	1.09E-02
5988	482687.68	3854919.71	0.37999	1.12E-02	1.14E-02	1.14E-02
5989	482686.28	3854819.86	0.40106	1.18E-02	1.21E-02	1.20E-02
5990	482684.88	3854720.01	0.41834	1.23E-02	1.26E-02	1.26E-02
5991	482683.47	3854620.16	0.43729	1.29E-02	1.31E-02	1.31E-02
5992	482682.07	3854520.31	0.4655	1.37E-02	1.40E-02	1.40E-02
5993	482680.66	3854420.45	0.49782	1.47E-02	1.50E-02	1.50E-02
5994	482679.26	3854320.6	0.53616	1.58E-02	1.61E-02	1.61E-02
5995	482677.85	3854220.75	0.58249	1.72E-02	1.75E-02	1.75E-02
5996	482676.45	3854120.9	0.66128	1.95E-02	1.99E-02	1.99E-02
5997	482675.04	3854021.04	0.76293	2.25E-02	2.29E-02	2.29E-02
5998	482673.64	3853921.19	0.8721	2.57E-02	2.62E-02	2.62E-02
5999	482672.23	3853821.34	1.05191	3.10E-02	3.16E-02	3.16E-02
6000	482670.83	3853721.48	1.25723	3.70E-02	3.78E-02	3.78E-02
6001	482669.42	3853621.63	1.56891	4.62E-02	4.72E-02	4.71E-02
6002	482645.99	3853446.13	2.9859	8.80E-02	8.98E-02	8.97E-02
6003	482623.97	3853370.48	3.2845	9.68E-02	9.88E-02	9.86E-02
6004	482601.94	3853294.84	3.77155	1.11E-01	1.13E-01	1.13E-01
6005	482531.29	3853133.44	4.37207	1.29E-01	1.31E-01	1.31E-01
6006	482482.68	3853047.69	4.83451	1.42E-01	1.45E-01	1.45E-01
6007	482383.09	3852897.4	5.85336	1.72E-01	1.76E-01	1.76E-01
6008	482265.64	3852765.26	6.07783	1.79E-01	1.83E-01	1.83E-01
6009	482199.16	3852697.66	6.05464	1.78E-01	1.82E-01	1.82E-01
6010	482132.69	3852630.07	6.14691	1.81E-01	1.85E-01	1.85E-01
6011	482066.21	3852562.48	6.0624	1.79E-01	1.82E-01	1.82E-01
6012	481999.74	3852494.89	5.90735	1.74E-01	1.78E-01	1.77E-01
6013	481933.26	3852427.29	5.71009	1.68E-01	1.72E-01	1.71E-01
6014	481866.79	3852359.7	5.64291	1.66E-01	1.70E-01	1.69E-01
6015	481800.31	3852292.11	5.56396	1.64E-01	1.67E-01	1.67E-01
6016	481733.84	3852224.52	5.45738	1.61E-01	1.64E-01	1.64E-01
6017	481667.36	3852156.92	5.5746	1.64E-01	1.68E-01	1.67E-01
6018	481600.89	3852089.33	5.46731	1.61E-01	1.64E-01	1.64E-01
6019	481534.41	3852021.74	5.34998	1.58E-01	1.61E-01	1.61E-01
6020	481467.94	3851954.15	5.32282	1.57E-01	1.60E-01	1.60E-01
6021	481401.46	3851886.55	5.53937	1.63E-01	1.67E-01	1.66E-01
6022	481265.87	3851761.43	5.45915	1.61E-01	1.64E-01	1.64E-01
6023	481196.74	3851703.89	5.50369	1.62E-01	1.65E-01	1.65E-01
6024	481076.33	3851619.04	5.44767	1.61E-01	1.64E-01	1.64E-01
6025	480939.8	3851549.07	5.21813	1.54E-01	1.57E-01	1.57E-01
6026	480854.56	3851506.41	5.19893	1.53E-01	1.56E-01	1.56E-01
6027	480769.32	3851463.75	5.33756	1.57E-01	1.60E-01	1.60E-01
6028	480684.08	3851421.08	5.45025	1.61E-01	1.64E-01	1.64E-01
6029	480598.84	3851378.42	5.44533	1.60E-01	1.64E-01	1.64E-01
6030	480435.71	3851275.01	6.23859	1.84E-01	1.88E-01	1.87E-01
6031	480347.85	3851232.36	6.22116	1.83E-01	1.87E-01	1.87E-01
6032	480260	3851189.72	6.18454	1.82E-01	1.86E-01	1.86E-01
6033	480172.15	3851147.07	6.16459	1.82E-01	1.85E-01	1.85E-01
6034	480084.29	3851104.42	6.20546	1.83E-01	1.87E-01	1.86E-01
6035	479996.44	3851061.77	6.23788	1.84E-01	1.88E-01	1.87E-01
6036	479908.58	3851019.13	6.49875	1.91E-01	1.95E-01	1.95E-01
6037	479820.73	3850976.48	6.461	1.90E-01	1.94E-01	1.94E-01
6038	479732.88	3850933.83	6.44439	1.90E-01	1.94E-01	1.94E-01
6039	479645.02	3850891.18	6.42765	1.89E-01	1.93E-01	1.93E-01
6040	479557.17	3850848.54	6.3581	1.87E-01	1.91E-01	1.91E-01
6041	479469.32	3850805.89	6.56677	1.93E-01	1.97E-01	1.97E-01
6042	479381.46	3850763.24	6.47035	1.91E-01	1.95E-01	1.94E-01
6043	479293.61	3850720.59	6.22841	1.84E-01	1.87E-01	1.87E-01
6044	479205.76	3850677.95	6.0343	1.78E-01	1.81E-01	1.81E-01

6045	479117.9	3850635.3	5.79543	1.71E-01	1.74E-01	1.74E-01
6046	479030.05	3850592.65	5.6891	1.68E-01	1.71E-01	1.71E-01
6047	478942.19	3850550	5.8504	1.72E-01	1.76E-01	1.76E-01
6048	478854.34	3850507.36	6.5236	1.92E-01	1.96E-01	1.96E-01
6049	478766.49	3850464.71	6.65106	1.96E-01	2.00E-01	2.00E-01
6050	478678.63	3850422.06	6.62839	1.95E-01	1.99E-01	1.99E-01
6051	478590.78	3850379.41	6.67191	1.97E-01	2.01E-01	2.00E-01
6052	478502.93	3850336.77	6.62207	1.95E-01	1.99E-01	1.99E-01
6053	478415.07	3850294.12	6.51099	1.92E-01	1.96E-01	1.96E-01
6054	478327.22	3850251.47	6.59836	1.94E-01	1.98E-01	1.98E-01
6055	478239.36	3850208.82	6.66416	1.96E-01	2.00E-01	2.00E-01
6056	478151.51	3850166.18	6.67001	1.97E-01	2.01E-01	2.00E-01
6057	478063.66	3850123.53	6.69187	1.97E-01	2.01E-01	2.01E-01
6058	477975.8	3850080.88	6.21401	1.83E-01	1.87E-01	1.87E-01
6059	477887.95	3850038.23	6.14699	1.81E-01	1.85E-01	1.85E-01
6060	477800.1	3849995.59	5.97762	1.76E-01	1.80E-01	1.80E-01
6061	477712.24	3849952.94	5.99691	1.77E-01	1.80E-01	1.80E-01
6062	477624.39	3849910.29	5.99478	1.77E-01	1.80E-01	1.80E-01
6063	477536.54	3849867.64	5.86406	1.73E-01	1.76E-01	1.76E-01
6064	477448.68	3849825	5.89882	1.74E-01	1.77E-01	1.77E-01
6065	477360.83	3849782.35	5.85777	1.73E-01	1.76E-01	1.76E-01
6066	477272.97	3849739.7	5.77982	1.70E-01	1.74E-01	1.74E-01
6067	477185.12	3849697.05	5.69997	1.68E-01	1.71E-01	1.71E-01
6068	477097.27	3849654.41	5.72729	1.69E-01	1.72E-01	1.72E-01
6069	477009.41	3849611.76	6.04138	1.78E-01	1.82E-01	1.81E-01
6070	476841.49	3849530.08	6.14104	1.81E-01	1.85E-01	1.84E-01
6071	476761.41	3849491.05	6.08139	1.79E-01	1.83E-01	1.83E-01
6072	476681.34	3849452.02	6.25057	1.84E-01	1.88E-01	1.88E-01
6073	476601.26	3849412.99	6.47713	1.91E-01	1.95E-01	1.95E-01
6074	476456.32	3849353.67	7.22792	2.13E-01	2.17E-01	2.17E-01
6075	476305.43	3849318.83	6.46763	1.91E-01	1.94E-01	1.94E-01
6076	476129.36	3849289.99	6.2598	1.84E-01	1.88E-01	1.88E-01
6077	476039.31	3849275.68	6.32172	1.86E-01	1.90E-01	1.90E-01
6078	475949.26	3849261.38	6.8126	2.01E-01	2.05E-01	2.05E-01
6079	475859.21	3849247.08	6.66496	1.96E-01	2.00E-01	2.00E-01
6080	475769.16	3849232.77	6.65581	1.96E-01	2.00E-01	2.00E-01
6081	475585.22	3849219.27	4.3778	1.29E-01	1.32E-01	1.31E-01
6082	475444.49	3849150.35	8.52054	2.51E-01	2.56E-01	2.56E-01
6083	475334.17	3849118.71	7.30552	2.15E-01	2.20E-01	2.19E-01
6084	475230.47	3849060.56	7.60938	2.24E-01	2.29E-01	2.29E-01
6085	475110.86	3848960.97	8.58176	2.53E-01	2.58E-01	2.58E-01
6086	475037.79	3848896.28	8.96866	2.64E-01	2.70E-01	2.69E-01
6087	474964.72	3848831.59	8.91008	2.63E-01	2.68E-01	2.68E-01
6088	474891.65	3848766.9	8.6668	2.55E-01	2.61E-01	2.60E-01
6089	474818.58	3848702.21	8.58161	2.53E-01	2.58E-01	2.58E-01
6090	474745.51	3848637.53	7.73217	2.28E-01	2.32E-01	2.32E-01
6091	474672.44	3848572.84	7.74937	2.28E-01	2.33E-01	2.33E-01
6092	474599.37	3848508.15	7.89799	2.33E-01	2.37E-01	2.37E-01
6093	474526.3	3848443.46	7.82435	2.31E-01	2.35E-01	2.35E-01

			PM2.5		2028 RD	2033 RD	2048 RD
			Period	Rates (g/s)	2.86E-02	2.92E-02	2.91E-02
			Concentration [ug/m^3] at 1 g/s				
	X	Y	Leads (SLINE1A, 1B)		Leads	Leads	Leads
1	485973.61	3854936.51	0.04021		1.15E-03	1.17E-03	1.17E-03
2	486023.61	3854936.51	0.03995		1.14E-03	1.17E-03	1.16E-03
3	486073.61	3854936.51	0.03985		1.14E-03	1.16E-03	1.16E-03
4	486123.61	3854936.51	0.0393		1.12E-03	1.15E-03	1.14E-03
5	486173.61	3854936.51	0.03944		1.13E-03	1.15E-03	1.15E-03
6	486223.61	3854936.51	0.03916		1.12E-03	1.14E-03	1.14E-03
7	486273.61	3854936.51	0.039		1.11E-03	1.14E-03	1.14E-03
8	486323.61	3854936.51	0.03889		1.11E-03	1.13E-03	1.13E-03
9	485973.61	3854986.51	0.03975		1.14E-03	1.16E-03	1.16E-03
10	486023.61	3854986.51	0.03959		1.13E-03	1.15E-03	1.15E-03
11	486073.61	3854986.51	0.03931		1.12E-03	1.15E-03	1.15E-03
12	486123.61	3854986.51	0.03906		1.12E-03	1.14E-03	1.14E-03
13	486173.61	3854986.51	0.03902		1.12E-03	1.14E-03	1.14E-03
14	486223.61	3854986.51	0.03872		1.11E-03	1.13E-03	1.13E-03
15	486273.61	3854986.51	0.03836		1.10E-03	1.12E-03	1.12E-03
16	486323.61	3854986.51	0.03856		1.10E-03	1.12E-03	1.12E-03
17	485973.61	3855036.51	0.03935		1.12E-03	1.15E-03	1.15E-03
18	486023.61	3855036.51	0.03914		1.12E-03	1.14E-03	1.14E-03
19	486073.61	3855036.51	0.03878		1.11E-03	1.13E-03	1.13E-03
20	486123.61	3855036.51	0.03855		1.10E-03	1.12E-03	1.12E-03
21	486173.61	3855036.51	0.03854		1.10E-03	1.12E-03	1.12E-03
22	486223.61	3855036.51	0.03817		1.09E-03	1.11E-03	1.11E-03
23	486273.61	3855036.51	0.0382		1.09E-03	1.11E-03	1.11E-03
24	486323.61	3855036.51	0.03797		1.09E-03	1.11E-03	1.11E-03
25	485973.61	3855086.51	0.03886		1.11E-03	1.13E-03	1.13E-03
26	486023.61	3855086.51	0.03876		1.11E-03	1.13E-03	1.13E-03
27	486073.61	3855086.51	0.03839		1.10E-03	1.12E-03	1.12E-03
28	486123.61	3855086.51	0.03829		1.09E-03	1.12E-03	1.12E-03
29	486173.61	3855086.51	0.03798		1.09E-03	1.11E-03	1.11E-03
30	486223.61	3855086.51	0.03785		1.08E-03	1.10E-03	1.10E-03
31	485973.61	3855136.51	0.03851		1.10E-03	1.12E-03	1.12E-03
32	486023.61	3855136.51	0.0383		1.09E-03	1.12E-03	1.12E-03
33	486073.61	3855136.51	0.03807		1.09E-03	1.11E-03	1.11E-03
34	486123.61	3855136.51	0.03789		1.08E-03	1.11E-03	1.10E-03
35	486173.61	3855136.51	0.03765		1.08E-03	1.10E-03	1.10E-03
36	486223.61	3855136.51	0.03745		1.07E-03	1.09E-03	1.09E-03
37	485973.61	3855186.51	0.03814		1.09E-03	1.11E-03	1.11E-03
38	486023.61	3855186.51	0.03797		1.09E-03	1.11E-03	1.11E-03
39	486073.61	3855186.51	0.03765		1.08E-03	1.10E-03	1.10E-03
40	486123.61	3855186.51	0.03734		1.07E-03	1.09E-03	1.09E-03
41	486173.61	3855186.51	0.03716		1.06E-03	1.08E-03	1.08E-03
42	486223.61	3855186.51	0.03698		1.06E-03	1.08E-03	1.08E-03
43	486273.61	3855186.51	0.03674		1.05E-03	1.07E-03	1.07E-03
44	486323.61	3855186.51	0.03701		1.06E-03	1.08E-03	1.08E-03
45	485973.61	3855236.51	0.03774		1.08E-03	1.10E-03	1.10E-03
46	486023.61	3855236.51	0.03744		1.07E-03	1.09E-03	1.09E-03
47	486073.61	3855236.51	0.03711		1.06E-03	1.08E-03	1.08E-03
48	486123.61	3855236.51	0.03691		1.05E-03	1.08E-03	1.08E-03
49	486173.61	3855236.51	0.03673		1.05E-03	1.07E-03	1.07E-03
50	486223.61	3855236.51	0.03651		1.04E-03	1.06E-03	1.06E-03
51	486273.61	3855236.51	0.03608		1.03E-03	1.05E-03	1.05E-03
52	486323.61	3855236.51	0.03656		1.04E-03	1.07E-03	1.07E-03
53	485973.61	3855286.51	0.03732		1.07E-03	1.09E-03	1.09E-03
54	486023.61	3855286.51	0.03698		1.06E-03	1.08E-03	1.08E-03
55	486073.61	3855286.51	0.03672		1.05E-03	1.07E-03	1.07E-03
56	486123.61	3855286.51	0.03642		1.04E-03	1.06E-03	1.06E-03
57	486173.61	3855286.51	0.03618		1.03E-03	1.06E-03	1.05E-03
58	486223.61	3855286.51	0.03605		1.03E-03	1.05E-03	1.05E-03
59	486123.61	3855336.51	0.03595		1.03E-03	1.05E-03	1.05E-03

60	486173.61	3855336.51	0.03578	1.02E-03	1.04E-03	1.04E-03
61	486223.61	3855336.51	0.03558	1.02E-03	1.04E-03	1.04E-03
62	486123.61	3855386.51	0.03555	1.02E-03	1.04E-03	1.04E-03
63	486173.61	3855386.51	0.03536	1.01E-03	1.03E-03	1.03E-03
64	486223.61	3855386.51	0.03521	1.01E-03	1.03E-03	1.03E-03
65	486533.18	3855443.15	0.03421	9.78E-04	9.98E-04	9.97E-04
66	486583.18	3855443.15	0.03406	9.74E-04	9.93E-04	9.92E-04
67	486633.18	3855443.15	0.03391	9.69E-04	9.89E-04	9.88E-04
68	486683.18	3855443.15	0.03387	9.68E-04	9.88E-04	9.87E-04
69	486533.18	3855493.15	0.0338	9.66E-04	9.86E-04	9.85E-04
70	486583.18	3855493.15	0.0337	9.63E-04	9.83E-04	9.82E-04
71	486633.18	3855493.15	0.03356	9.59E-04	9.79E-04	9.78E-04
72	486683.18	3855493.15	0.03343	9.56E-04	9.75E-04	9.74E-04
73	486533.18	3855543.15	0.03345	9.56E-04	9.76E-04	9.74E-04
74	486583.18	3855543.15	0.03324	9.50E-04	9.69E-04	9.68E-04
75	486633.18	3855543.15	0.03315	9.48E-04	9.67E-04	9.66E-04
76	486683.18	3855543.15	0.03291	9.41E-04	9.60E-04	9.59E-04
77	486533.18	3855593.15	0.03305	9.45E-04	9.64E-04	9.63E-04
78	486583.18	3855593.15	0.03289	9.40E-04	9.59E-04	9.58E-04
79	486633.18	3855593.15	0.03275	9.36E-04	9.55E-04	9.54E-04
80	486683.18	3855593.15	0.03267	9.34E-04	9.53E-04	9.52E-04
81	486533.18	3855643.15	0.03269	9.34E-04	9.53E-04	9.52E-04
82	486583.18	3855643.15	0.03255	9.30E-04	9.49E-04	9.48E-04
83	486633.18	3855643.15	0.03241	9.26E-04	9.45E-04	9.44E-04
84	486683.18	3855643.15	0.0323	9.23E-04	9.42E-04	9.41E-04
85	486533.18	3855693.15	0.03241	9.26E-04	9.45E-04	9.44E-04
86	486583.18	3855693.15	0.03218	9.20E-04	9.39E-04	9.37E-04
87	486633.18	3855693.15	0.03193	9.13E-04	9.31E-04	9.30E-04
88	486683.18	3855693.15	0.03194	9.13E-04	9.32E-04	9.30E-04
89	486733.18	3855693.15	0.03206	9.16E-04	9.35E-04	9.34E-04
90	486783.18	3855693.15	0.03222	9.21E-04	9.40E-04	9.39E-04
91	486533.18	3855743.15	0.0321	9.17E-04	9.36E-04	9.35E-04
92	486583.18	3855743.15	0.03177	9.08E-04	9.27E-04	9.26E-04
93	486633.18	3855743.15	0.0316	9.03E-04	9.22E-04	9.21E-04
94	486683.18	3855743.15	0.03168	9.05E-04	9.24E-04	9.23E-04
95	486733.18	3855743.15	0.03167	9.05E-04	9.24E-04	9.23E-04
96	486783.18	3855743.15	0.03191	9.12E-04	9.31E-04	9.30E-04
97	486533.18	3855793.15	0.03182	9.09E-04	9.28E-04	9.27E-04
98	486583.18	3855793.15	0.03135	8.96E-04	9.14E-04	9.13E-04
99	486633.18	3855793.15	0.0314	8.97E-04	9.16E-04	9.15E-04
100	486683.18	3855793.15	0.03148	9.00E-04	9.18E-04	9.17E-04
101	486733.18	3855793.15	0.0315	9.00E-04	9.19E-04	9.18E-04
102	486783.18	3855793.15	0.03157	9.02E-04	9.21E-04	9.20E-04
103	486533.18	3855843.15	0.03146	8.99E-04	9.18E-04	9.16E-04
104	486583.18	3855843.15	0.03112	8.89E-04	9.08E-04	9.07E-04
105	486633.18	3855843.15	0.03116	8.91E-04	9.09E-04	9.08E-04
106	486683.18	3855843.15	0.03122	8.92E-04	9.11E-04	9.09E-04
107	486733.18	3855843.15	0.03128	8.94E-04	9.12E-04	9.11E-04
108	486783.18	3855843.15	0.03132	8.95E-04	9.13E-04	9.12E-04
109	486533.18	3855893.15	0.03099	8.86E-04	9.04E-04	9.03E-04
110	486583.18	3855893.15	0.03096	8.85E-04	9.03E-04	9.02E-04
111	486633.18	3855893.15	0.03094	8.84E-04	9.02E-04	9.01E-04
112	486683.18	3855893.15	0.03098	8.85E-04	9.04E-04	9.02E-04
113	486733.18	3855893.15	0.03103	8.87E-04	9.05E-04	9.04E-04
114	486783.18	3855893.15	0.03112	8.89E-04	9.08E-04	9.07E-04
115	486533.18	3855943.15	0.03078	8.80E-04	8.98E-04	8.97E-04
116	486583.18	3855943.15	0.03084	8.81E-04	8.99E-04	8.98E-04
117	486633.18	3855943.15	0.03075	8.79E-04	8.97E-04	8.96E-04
118	486683.18	3855943.15	0.03081	8.81E-04	8.99E-04	8.98E-04
119	486733.18	3855943.15	0.0308	8.80E-04	8.98E-04	8.97E-04
120	486783.18	3855943.15	0.03089	8.83E-04	9.01E-04	9.00E-04
121	486533.18	3855993.15	0.0307	8.77E-04	8.95E-04	8.94E-04
122	486583.18	3855993.15	0.03065	8.76E-04	8.94E-04	8.93E-04

123	486633.18	3855993.15	0.0306	8.75E-04	8.92E-04	8.91E-04
124	486683.18	3855993.15	0.03063	8.75E-04	8.93E-04	8.92E-04
125	486733.18	3855993.15	0.03062	8.75E-04	8.93E-04	8.92E-04
126	486783.18	3855993.15	0.03066	8.76E-04	8.94E-04	8.93E-04
127	486533.18	3856043.15	0.03061	8.75E-04	8.93E-04	8.92E-04
128	486583.18	3856043.15	0.03058	8.74E-04	8.92E-04	8.91E-04
129	486633.18	3856043.15	0.03048	8.71E-04	8.89E-04	8.88E-04
130	486683.18	3856043.15	0.0305	8.72E-04	8.90E-04	8.89E-04
131	486733.18	3856043.15	0.03044	8.70E-04	8.88E-04	8.87E-04
132	486783.18	3856043.15	0.03051	8.72E-04	8.90E-04	8.89E-04
133	486533.18	3856093.15	0.0306	8.75E-04	8.92E-04	8.91E-04
134	486583.18	3856093.15	0.03051	8.72E-04	8.90E-04	8.89E-04
135	486633.18	3856093.15	0.03041	8.69E-04	8.87E-04	8.86E-04
136	486683.18	3856093.15	0.03038	8.68E-04	8.86E-04	8.85E-04
137	486733.18	3856093.15	0.03033	8.67E-04	8.85E-04	8.84E-04
138	486783.18	3856093.15	0.03035	8.67E-04	8.85E-04	8.84E-04
139	486533.18	3856143.15	0.03056	8.73E-04	8.91E-04	8.90E-04
140	486583.18	3856143.15	0.03042	8.69E-04	8.87E-04	8.86E-04
141	486633.18	3856143.15	0.03037	8.68E-04	8.86E-04	8.85E-04
142	486683.18	3856143.15	0.0303	8.66E-04	8.84E-04	8.83E-04
143	486733.18	3856143.15	0.03024	8.64E-04	8.82E-04	8.81E-04
144	486783.18	3856143.15	0.03029	8.66E-04	8.83E-04	8.82E-04
145	486533.18	3856193.15	0.03056	8.73E-04	8.91E-04	8.90E-04
146	486583.18	3856193.15	0.0304	8.69E-04	8.87E-04	8.86E-04
147	486633.18	3856193.15	0.03033	8.67E-04	8.85E-04	8.84E-04
148	486683.18	3856193.15	0.03031	8.66E-04	8.84E-04	8.83E-04
149	486733.18	3856193.15	0.03022	8.64E-04	8.81E-04	8.80E-04
150	486783.18	3856193.15	0.03024	8.64E-04	8.82E-04	8.81E-04
151	486533.18	3856243.15	0.03053	8.73E-04	8.90E-04	8.89E-04
152	486583.18	3856243.15	0.03043	8.70E-04	8.88E-04	8.86E-04
153	486633.18	3856243.15	0.03034	8.67E-04	8.85E-04	8.84E-04
154	486683.18	3856243.15	0.03028	8.65E-04	8.83E-04	8.82E-04
155	486733.18	3856243.15	0.03025	8.65E-04	8.82E-04	8.81E-04
156	486783.18	3856243.15	0.03018	8.63E-04	8.80E-04	8.79E-04
157	486533.18	3856293.15	0.03052	8.72E-04	8.90E-04	8.89E-04
158	486583.18	3856293.15	0.03043	8.70E-04	8.88E-04	8.86E-04
159	486633.18	3856293.15	0.03035	8.67E-04	8.85E-04	8.84E-04
160	486683.18	3856293.15	0.03029	8.66E-04	8.83E-04	8.82E-04
161	486733.18	3856293.15	0.03027	8.65E-04	8.83E-04	8.82E-04
162	486783.18	3856293.15	0.03019	8.63E-04	8.81E-04	8.79E-04
163	486783.18	3856343.15	0.03027	8.65E-04	8.83E-04	8.82E-04
164	486833.18	3856343.15	0.03022	8.64E-04	8.81E-04	8.80E-04
165	486883.18	3856343.15	0.03018	8.63E-04	8.80E-04	8.79E-04
166	486783.18	3856393.15	0.03028	8.65E-04	8.83E-04	8.82E-04
167	486833.18	3856393.15	0.03023	8.64E-04	8.82E-04	8.81E-04
168	486883.18	3856393.15	0.03015	8.62E-04	8.79E-04	8.78E-04
169	487208.74	3856886.11	0.03092	8.84E-04	9.02E-04	9.01E-04
170	487258.74	3856886.11	0.03087	8.82E-04	9.00E-04	8.99E-04
171	487308.74	3856886.11	0.03082	8.81E-04	8.99E-04	8.98E-04
172	487358.74	3856886.11	0.03075	8.79E-04	8.97E-04	8.96E-04
173	487208.74	3856936.11	0.03106	8.88E-04	9.06E-04	9.05E-04
174	487258.74	3856936.11	0.03106	8.88E-04	9.06E-04	9.05E-04
175	487308.74	3856936.11	0.03103	8.87E-04	9.05E-04	9.04E-04
176	487358.74	3856936.11	0.03098	8.85E-04	9.04E-04	9.02E-04
177	487208.74	3856986.11	0.03117	8.91E-04	9.09E-04	9.08E-04
178	487258.74	3856986.11	0.03125	8.93E-04	9.11E-04	9.10E-04
179	487308.74	3856986.11	0.03124	8.93E-04	9.11E-04	9.10E-04
180	487358.74	3856986.11	0.03125	8.93E-04	9.11E-04	9.10E-04
181	487208.74	3857036.11	0.03125	8.93E-04	9.11E-04	9.10E-04
182	487258.74	3857036.11	0.03138	8.97E-04	9.15E-04	9.14E-04
183	487308.74	3857036.11	0.03148	9.00E-04	9.18E-04	9.17E-04
184	487358.74	3857036.11	0.03151	9.01E-04	9.19E-04	9.18E-04
185	487427.14	3856878.23	0.03071	8.78E-04	8.96E-04	8.95E-04

186	487477.14	3856878.23	0.0307	8.77E-04	8.95E-04	8.94E-04
187	487527.14	3856878.23	0.03069	8.77E-04	8.95E-04	8.94E-04
188	487427.14	3856928.23	0.03092	8.84E-04	9.02E-04	9.01E-04
189	487477.14	3856928.23	0.03088	8.83E-04	9.01E-04	9.00E-04
190	487527.14	3856928.23	0.03088	8.83E-04	9.01E-04	9.00E-04
191	487577.14	3856928.23	0.03088	8.83E-04	9.01E-04	9.00E-04
192	487627.14	3856928.23	0.03087	8.82E-04	9.00E-04	8.99E-04
193	487677.14	3856928.23	0.03094	8.84E-04	9.02E-04	9.01E-04
194	487727.14	3856928.23	0.03105	8.87E-04	9.06E-04	9.05E-04
195	487777.14	3856928.23	0.03113	8.90E-04	9.08E-04	9.07E-04
196	487427.14	3856978.23	0.03115	8.90E-04	9.09E-04	9.07E-04
197	487477.14	3856978.23	0.03113	8.90E-04	9.08E-04	9.07E-04
198	487527.14	3856978.23	0.03112	8.89E-04	9.08E-04	9.07E-04
199	487577.14	3856978.23	0.03111	8.89E-04	9.07E-04	9.06E-04
200	487627.14	3856978.23	0.03108	8.88E-04	9.06E-04	9.05E-04
201	487677.14	3856978.23	0.03113	8.90E-04	9.08E-04	9.07E-04
202	487727.14	3856978.23	0.03108	8.88E-04	9.06E-04	9.05E-04
203	487777.14	3856978.23	0.03133	8.95E-04	9.14E-04	9.13E-04
204	487427.14	3857028.23	0.03145	8.99E-04	9.17E-04	9.16E-04
205	487477.14	3857028.23	0.03142	8.98E-04	9.16E-04	9.15E-04
206	487527.14	3857028.23	0.03139	8.97E-04	9.16E-04	9.14E-04
207	487577.14	3857028.23	0.03138	8.97E-04	9.15E-04	9.14E-04
208	487627.14	3857028.23	0.03132	8.95E-04	9.13E-04	9.12E-04
209	487677.14	3857028.23	0.03134	8.96E-04	9.14E-04	9.13E-04
210	487727.14	3857028.23	0.03143	8.98E-04	9.17E-04	9.16E-04
211	487777.14	3857028.23	0.03152	9.01E-04	9.19E-04	9.18E-04
212	487427.14	3857078.23	0.03174	9.07E-04	9.26E-04	9.25E-04
213	487477.14	3857078.23	0.03171	9.06E-04	9.25E-04	9.24E-04
214	487527.14	3857078.23	0.03169	9.06E-04	9.24E-04	9.23E-04
215	487577.14	3857078.23	0.03167	9.05E-04	9.24E-04	9.23E-04
216	487627.14	3857078.23	0.03163	9.04E-04	9.23E-04	9.21E-04
217	487677.14	3857078.23	0.03163	9.04E-04	9.23E-04	9.21E-04
218	487727.14	3857078.23	0.03168	9.05E-04	9.24E-04	9.23E-04
219	487777.14	3857078.23	0.03171	9.06E-04	9.25E-04	9.24E-04
220	487427.14	3857128.23	0.03203	9.15E-04	9.34E-04	9.33E-04
221	487477.14	3857128.23	0.03201	9.15E-04	9.34E-04	9.33E-04
222	487527.14	3857128.23	0.03198	9.14E-04	9.33E-04	9.32E-04
223	487577.14	3857128.23	0.03197	9.14E-04	9.32E-04	9.31E-04
224	487627.14	3857128.23	0.03197	9.14E-04	9.32E-04	9.31E-04
225	487677.14	3857128.23	0.03193	9.13E-04	9.31E-04	9.30E-04
226	487727.14	3857128.23	0.03199	9.14E-04	9.33E-04	9.32E-04
227	487777.14	3857128.23	0.032	9.15E-04	9.33E-04	9.32E-04
228	488049.44	3856539.39	0.0303	8.66E-04	8.84E-04	8.83E-04
229	488099.44	3856539.39	0.03021	8.63E-04	8.81E-04	8.80E-04
230	488149.44	3856539.39	0.03017	8.62E-04	8.80E-04	8.79E-04
231	488049.44	3856589.39	0.03037	8.68E-04	8.86E-04	8.85E-04
232	488099.44	3856589.39	0.03027	8.65E-04	8.83E-04	8.82E-04
233	488149.44	3856589.39	0.0302	8.63E-04	8.81E-04	8.80E-04
234	488199.44	3856589.39	0.03011	8.61E-04	8.78E-04	8.77E-04
235	488249.44	3856589.39	0.03015	8.62E-04	8.79E-04	8.78E-04
236	488049.44	3856639.39	0.03045	8.70E-04	8.88E-04	8.87E-04
237	488099.44	3856639.39	0.03035	8.67E-04	8.85E-04	8.84E-04
238	488149.44	3856639.39	0.03026	8.65E-04	8.83E-04	8.82E-04
239	488199.44	3856639.39	0.03023	8.64E-04	8.82E-04	8.81E-04
240	488249.44	3856639.39	0.03018	8.63E-04	8.80E-04	8.79E-04
241	488299.44	3856639.39	0.03013	8.61E-04	8.79E-04	8.78E-04
242	488349.44	3856639.39	0.03005	8.59E-04	8.76E-04	8.75E-04
243	488399.44	3856639.39	0.03007	8.59E-04	8.77E-04	8.76E-04
244	488099.44	3856689.39	0.03048	8.71E-04	8.89E-04	8.88E-04
245	488149.44	3856689.39	0.03038	8.68E-04	8.86E-04	8.85E-04
246	488199.44	3856689.39	0.03033	8.67E-04	8.85E-04	8.84E-04
247	488249.44	3856689.39	0.03024	8.64E-04	8.82E-04	8.81E-04
248	488299.44	3856689.39	0.03023	8.64E-04	8.82E-04	8.81E-04

249	488349.44	3856689.39	0.03015	8.62E-04	8.79E-04	8.78E-04
250	488399.44	3856689.39	0.03002	8.58E-04	8.76E-04	8.75E-04
251	488099.44	3856739.39	0.03067	8.77E-04	8.95E-04	8.93E-04
252	488149.44	3856739.39	0.03053	8.73E-04	8.90E-04	8.89E-04
253	488199.44	3856739.39	0.03051	8.72E-04	8.90E-04	8.89E-04
254	488249.44	3856739.39	0.03041	8.69E-04	8.87E-04	8.86E-04
255	488299.44	3856739.39	0.03025	8.65E-04	8.82E-04	8.81E-04
256	488349.44	3856739.39	0.03028	8.65E-04	8.83E-04	8.82E-04
257	488399.44	3856739.39	0.0303	8.66E-04	8.84E-04	8.83E-04
258	487999.44	3856789.39	0.03094	8.84E-04	9.02E-04	9.01E-04
259	488049.44	3856789.39	0.03086	8.82E-04	9.00E-04	8.99E-04
260	488099.44	3856789.39	0.03084	8.81E-04	8.99E-04	8.98E-04
261	488149.44	3856789.39	0.03073	8.78E-04	8.96E-04	8.95E-04
262	488199.44	3856789.39	0.03067	8.77E-04	8.95E-04	8.93E-04
263	488249.44	3856789.39	0.03058	8.74E-04	8.92E-04	8.91E-04
264	488299.44	3856789.39	0.03044	8.70E-04	8.88E-04	8.87E-04
265	488349.44	3856789.39	0.03047	8.71E-04	8.89E-04	8.88E-04
266	488399.44	3856789.39	0.03046	8.71E-04	8.88E-04	8.87E-04
267	487949.44	3856839.39	0.03114	8.90E-04	9.08E-04	9.07E-04
268	487999.44	3856839.39	0.03111	8.89E-04	9.07E-04	9.06E-04
269	488049.44	3856839.39	0.03105	8.87E-04	9.06E-04	9.05E-04
270	488099.44	3856839.39	0.031	8.86E-04	9.04E-04	9.03E-04
271	488149.44	3856839.39	0.03095	8.85E-04	9.03E-04	9.02E-04
272	488199.44	3856839.39	0.03089	8.83E-04	9.01E-04	9.00E-04
273	487949.44	3856889.39	0.03127	8.94E-04	9.12E-04	9.11E-04
274	487999.44	3856889.39	0.03133	8.95E-04	9.14E-04	9.13E-04
275	488049.44	3856889.39	0.03123	8.93E-04	9.11E-04	9.10E-04
276	488099.44	3856889.39	0.03123	8.93E-04	9.11E-04	9.10E-04
277	488635.86	3857895.05	0.04589	1.31E-03	1.34E-03	1.34E-03
278	489137.64	3857804.15	0.04254	1.22E-03	1.24E-03	1.24E-03
279	488617.32	3857859.41	0.0447	1.28E-03	1.30E-03	1.30E-03
280	488667.32	3857859.41	0.04479	1.28E-03	1.31E-03	1.30E-03
281	488717.32	3857859.41	0.04499	1.29E-03	1.31E-03	1.31E-03
282	488767.32	3857859.41	0.04534	1.30E-03	1.32E-03	1.32E-03
283	488617.32	3857909.41	0.04634	1.32E-03	1.35E-03	1.35E-03
284	488667.32	3857909.41	0.04685	1.34E-03	1.37E-03	1.36E-03
285	488717.32	3857909.41	0.04662	1.33E-03	1.36E-03	1.36E-03
286	488767.32	3857909.41	0.04706	1.35E-03	1.37E-03	1.37E-03
287	488417.32	3857959.41	0.0477	1.36E-03	1.39E-03	1.39E-03
288	488467.32	3857959.41	0.04787	1.37E-03	1.40E-03	1.39E-03
289	488517.32	3857959.41	0.04806	1.37E-03	1.40E-03	1.40E-03
290	488567.32	3857959.41	0.04819	1.38E-03	1.41E-03	1.40E-03
291	488617.32	3857959.41	0.04829	1.38E-03	1.41E-03	1.41E-03
292	488667.32	3857959.41	0.04844	1.38E-03	1.41E-03	1.41E-03
293	488717.32	3857959.41	0.04866	1.39E-03	1.42E-03	1.42E-03
294	488767.32	3857959.41	0.04885	1.40E-03	1.42E-03	1.42E-03
295	488417.32	3858009.41	0.04963	1.42E-03	1.45E-03	1.45E-03
296	488467.32	3858009.41	0.04993	1.43E-03	1.46E-03	1.45E-03
297	488517.32	3858009.41	0.05003	1.43E-03	1.46E-03	1.46E-03
298	488567.32	3858009.41	0.05016	1.43E-03	1.46E-03	1.46E-03
299	488617.32	3858009.41	0.05021	1.44E-03	1.46E-03	1.46E-03
300	488667.32	3858009.41	0.05032	1.44E-03	1.47E-03	1.47E-03
301	488717.32	3858009.41	0.05052	1.44E-03	1.47E-03	1.47E-03
302	488767.32	3858009.41	0.05073	1.45E-03	1.48E-03	1.48E-03
303	488417.32	3858059.41	0.05178	1.48E-03	1.51E-03	1.51E-03
304	488467.32	3858059.41	0.05205	1.49E-03	1.52E-03	1.52E-03
305	488517.32	3858059.41	0.05224	1.49E-03	1.52E-03	1.52E-03
306	488567.32	3858059.41	0.05233	1.50E-03	1.53E-03	1.52E-03
307	488617.32	3858059.41	0.05245	1.50E-03	1.53E-03	1.53E-03
308	488667.32	3858059.41	0.05256	1.50E-03	1.53E-03	1.53E-03
309	488417.32	3858109.41	0.05388	1.54E-03	1.57E-03	1.57E-03
310	488467.32	3858109.41	0.05431	1.55E-03	1.58E-03	1.58E-03
311	488517.32	3858109.41	0.05462	1.56E-03	1.59E-03	1.59E-03

312	488567.32	3858109.41	0.05473	1.56E-03	1.60E-03	1.59E-03
313	488617.32	3858109.41	0.05487	1.57E-03	1.60E-03	1.60E-03
314	488667.32	3858109.41	0.05496	1.57E-03	1.60E-03	1.60E-03
315	488769.93	3858449.27	0.08474	2.42E-03	2.47E-03	2.47E-03
316	488819.93	3858449.27	0.08527	2.44E-03	2.49E-03	2.48E-03
317	488819.93	3858499.27	0.09341	2.67E-03	2.72E-03	2.72E-03
318	488869.93	3858499.27	0.09374	2.68E-03	2.73E-03	2.73E-03
319	488869.93	3858549.27	0.10398	2.97E-03	3.03E-03	3.03E-03
320	489438.17	3859571.48	0.36786	1.05E-02	1.07E-02	1.07E-02
321	489488.17	3859571.48	0.40068	1.15E-02	1.17E-02	1.17E-02
322	489538.17	3859571.48	0.4386	1.25E-02	1.28E-02	1.28E-02
323	489588.17	3859571.48	0.48032	1.37E-02	1.40E-02	1.40E-02
324	489438.17	3859621.48	0.32344	9.24E-03	9.43E-03	9.42E-03
325	489488.17	3859621.48	0.34849	9.96E-03	1.02E-02	1.02E-02
326	489538.17	3859621.48	0.37754	1.08E-02	1.10E-02	1.10E-02
327	489588.17	3859621.48	0.41267	1.18E-02	1.20E-02	1.20E-02
328	489238.17	3859671.48	0.22516	6.44E-03	6.57E-03	6.56E-03
329	489288.17	3859671.48	0.23825	6.81E-03	6.95E-03	6.94E-03
330	489338.17	3859671.48	0.25345	7.24E-03	7.39E-03	7.38E-03
331	489388.17	3859671.48	0.27135	7.76E-03	7.91E-03	7.90E-03
332	489438.17	3859671.48	0.28909	8.26E-03	8.43E-03	8.42E-03
333	489488.17	3859671.48	0.31112	8.89E-03	9.07E-03	9.06E-03
334	489538.17	3859671.48	0.33473	9.57E-03	9.76E-03	9.75E-03
335	489588.17	3859671.48	0.36181	1.03E-02	1.06E-02	1.05E-02
336	489238.17	3859721.48	0.20801	5.95E-03	6.07E-03	6.06E-03
337	489288.17	3859721.48	0.22052	6.30E-03	6.43E-03	6.42E-03
338	489338.17	3859721.48	0.23326	6.67E-03	6.80E-03	6.80E-03
339	489388.17	3859721.48	0.24713	7.06E-03	7.21E-03	7.20E-03
340	489438.17	3859721.48	0.26201	7.49E-03	7.64E-03	7.63E-03
341	489488.17	3859721.48	0.28046	8.02E-03	8.18E-03	8.17E-03
342	489538.17	3859721.48	0.3	8.57E-03	8.75E-03	8.74E-03
343	489588.17	3859721.48	0.32156	9.19E-03	9.38E-03	9.37E-03
344	489238.17	3859771.48	0.19354	5.53E-03	5.64E-03	5.64E-03
345	489288.17	3859771.48	0.20436	5.84E-03	5.96E-03	5.95E-03
346	489338.17	3859771.48	0.21479	6.14E-03	6.26E-03	6.26E-03
347	489388.17	3859771.48	0.22684	6.48E-03	6.62E-03	6.61E-03
348	489438.17	3859771.48	0.23923	6.84E-03	6.98E-03	6.97E-03
349	489488.17	3859771.48	0.25525	7.30E-03	7.44E-03	7.44E-03
350	489538.17	3859771.48	0.27181	7.77E-03	7.93E-03	7.92E-03
351	489588.17	3859771.48	0.28886	8.26E-03	8.42E-03	8.41E-03
352	489238.17	3859821.48	0.18059	5.16E-03	5.27E-03	5.26E-03
353	489288.17	3859821.48	0.19016	5.44E-03	5.55E-03	5.54E-03
354	489338.17	3859821.48	0.19941	5.70E-03	5.82E-03	5.81E-03
355	489388.17	3859821.48	0.20967	5.99E-03	6.12E-03	6.11E-03
356	489438.17	3859821.48	0.22168	6.34E-03	6.47E-03	6.46E-03
357	489488.17	3859821.48	0.2344	6.70E-03	6.84E-03	6.83E-03
358	489538.17	3859821.48	0.24798	7.09E-03	7.23E-03	7.22E-03
359	489588.17	3859821.48	0.26205	7.49E-03	7.64E-03	7.63E-03
360	489238.17	3859871.48	0.16952	4.85E-03	4.94E-03	4.94E-03
361	489288.17	3859871.48	0.17744	5.07E-03	5.18E-03	5.17E-03
362	489338.17	3859871.48	0.18589	5.31E-03	5.42E-03	5.42E-03
363	489388.17	3859871.48	0.19544	5.59E-03	5.70E-03	5.69E-03
364	489438.17	3859871.48	0.20608	5.89E-03	6.01E-03	6.00E-03
365	489488.17	3859871.48	0.21679	6.20E-03	6.32E-03	6.32E-03
366	489538.17	3859871.48	0.22758	6.50E-03	6.64E-03	6.63E-03
367	489588.17	3859871.48	0.23921	6.84E-03	6.98E-03	6.97E-03
368	489238.17	3859921.48	0.16001	4.57E-03	4.67E-03	4.66E-03
369	489288.17	3859921.48	0.16754	4.79E-03	4.89E-03	4.88E-03
370	489338.17	3859921.48	0.17499	5.00E-03	5.10E-03	5.10E-03
371	489388.17	3859921.48	0.18335	5.24E-03	5.35E-03	5.34E-03
372	489438.17	3859921.48	0.19197	5.49E-03	5.60E-03	5.59E-03
373	489488.17	3859921.48	0.20043	5.73E-03	5.85E-03	5.84E-03
374	489538.17	3859921.48	0.20938	5.98E-03	6.11E-03	6.10E-03

375	489588.17	3859921.48	0.21811	6.23E-03	6.36E-03	6.35E-03
376	489238.17	3859971.48	0.15151	4.33E-03	4.42E-03	4.41E-03
377	489288.17	3859971.48	0.15784	4.51E-03	4.60E-03	4.60E-03
378	489338.17	3859971.48	0.16473	4.71E-03	4.80E-03	4.80E-03
379	489388.17	3859971.48	0.17194	4.91E-03	5.01E-03	5.01E-03
380	489438.17	3859971.48	0.17815	5.09E-03	5.20E-03	5.19E-03
381	489488.17	3859971.48	0.18031	5.15E-03	5.26E-03	5.25E-03
382	489538.17	3859971.48	0.18312	5.23E-03	5.34E-03	5.33E-03
383	489588.17	3859971.48	0.18574	5.31E-03	5.42E-03	5.41E-03
384	483577.7	3854071	0.09221	2.64E-03	2.69E-03	2.69E-03
385	483627.7	3854071	0.09179	2.62E-03	2.68E-03	2.67E-03
386	483677.7	3854071	0.09117	2.61E-03	2.66E-03	2.66E-03
387	483727.7	3854071	0.09047	2.59E-03	2.64E-03	2.64E-03
388	483777.7	3854071	0.08909	2.55E-03	2.60E-03	2.60E-03
389	483577.7	3854121	0.08726	2.49E-03	2.55E-03	2.54E-03
390	483627.7	3854121	0.08657	2.47E-03	2.52E-03	2.52E-03
391	483677.7	3854121	0.08555	2.45E-03	2.50E-03	2.49E-03
392	483727.7	3854121	0.08437	2.41E-03	2.46E-03	2.46E-03
393	483777.7	3854121	0.08359	2.39E-03	2.44E-03	2.44E-03
394	483577.7	3854171	0.08198	2.34E-03	2.39E-03	2.39E-03
395	483627.7	3854171	0.08086	2.31E-03	2.36E-03	2.36E-03
396	483677.7	3854171	0.08001	2.29E-03	2.33E-03	2.33E-03
397	483727.7	3854171	0.07936	2.27E-03	2.31E-03	2.31E-03
398	483777.7	3854171	0.07854	2.24E-03	2.29E-03	2.29E-03
399	483827.7	3854171	0.077	2.20E-03	2.25E-03	2.24E-03
400	483877.7	3854171	0.07614	2.18E-03	2.22E-03	2.22E-03
401	483727.7	3854221	0.07495	2.14E-03	2.19E-03	2.18E-03
402	483777.7	3854221	0.07407	2.12E-03	2.16E-03	2.16E-03
403	483827.7	3854221	0.07406	2.12E-03	2.16E-03	2.16E-03
404	483877.7	3854221	0.07292	2.08E-03	2.13E-03	2.12E-03
405	489150.19	3858726.45	0.19275	5.51E-03	5.62E-03	5.62E-03
406	489200.19	3858726.45	0.1981	5.66E-03	5.78E-03	5.77E-03
407	489150.19	3858776.45	0.27047	7.73E-03	7.89E-03	7.88E-03
408	489200.19	3858776.45	0.27539	7.87E-03	8.03E-03	8.02E-03
409	488919.6	3856400.76	0.03102	8.87E-04	9.05E-04	9.04E-04
410	488919.6	3856450.76	0.03083	8.81E-04	8.99E-04	8.98E-04
411	488969.6	3856450.76	0.03084	8.81E-04	8.99E-04	8.98E-04
412	488919.6	3856500.76	0.03067	8.77E-04	8.95E-04	8.93E-04
413	488969.6	3856500.76	0.0307	8.77E-04	8.95E-04	8.94E-04
414	488919.6	3856550.76	0.03055	8.73E-04	8.91E-04	8.90E-04
415	488969.6	3856550.76	0.03056	8.73E-04	8.91E-04	8.90E-04
416	488819.6	3856600.76	0.03035	8.67E-04	8.85E-04	8.84E-04
417	488869.6	3856600.76	0.03038	8.68E-04	8.86E-04	8.85E-04
418	488919.6	3856600.76	0.03043	8.70E-04	8.88E-04	8.86E-04
419	488819.6	3856650.76	0.03027	8.65E-04	8.83E-04	8.82E-04
420	488869.6	3856650.76	0.0303	8.66E-04	8.84E-04	8.83E-04
421	488819.6	3856700.76	0.03024	8.64E-04	8.82E-04	8.81E-04
422	488869.6	3856700.76	0.03025	8.65E-04	8.82E-04	8.81E-04
423	488819.6	3856750.76	0.03022	8.64E-04	8.81E-04	8.80E-04
424	488869.6	3856750.76	0.03025	8.65E-04	8.82E-04	8.81E-04
425	488819.6	3857050.76	0.03124	8.93E-04	9.11E-04	9.10E-04
426	488869.6	3857050.76	0.03119	8.91E-04	9.10E-04	9.09E-04
427	488919.6	3857050.76	0.03113	8.90E-04	9.08E-04	9.07E-04
428	488819.6	3857100.76	0.03162	9.04E-04	9.22E-04	9.21E-04
429	488869.6	3857100.76	0.03152	9.01E-04	9.19E-04	9.18E-04
430	488919.6	3857100.76	0.03146	8.99E-04	9.18E-04	9.16E-04
431	488819.6	3857150.76	0.03206	9.16E-04	9.35E-04	9.34E-04
432	488869.6	3857150.76	0.03196	9.13E-04	9.32E-04	9.31E-04
433	488919.6	3857150.76	0.03185	9.10E-04	9.29E-04	9.28E-04
434	488969.6	3857150.76	0.03175	9.07E-04	9.26E-04	9.25E-04
435	488819.6	3857200.76	0.03257	9.31E-04	9.50E-04	9.49E-04
436	488869.6	3857200.76	0.03247	9.28E-04	9.47E-04	9.46E-04
437	488919.6	3857200.76	0.03234	9.24E-04	9.43E-04	9.42E-04