BlueDriver Data Log 28 Aug 2018 16:48:32 Time (s),Engine RPM (rpm),Ambient Air Temperature (°C),Engine Coolant Temperature (°C),Vehicle Speed (MPH),Mass Air Flow Rate (g/s),Absolute Load Value (%),Control Module Voltage (V),Short Term Fuel Trim Bank 1 (%),Long Term Fuel Trim Bank 1 (%),Intake Air Temperature (°C),Wide Range O2S: Bank 1 - Sensor 1 - Current (mA) 0.0,,,,,,,,,, 1.2,,,39,,6.10,,13.547,7.0,-12.5,,-0.024
2.4,,,40,,5.91,,13.618,6.2,-12.5,,-0.101 3.6,,,40,,5.89,,13.633,0.5,-13.1,,-0.048
4.8,,,40,,5.78,,13.645,0.0,-13.3,,0.002 6.0,,,39,,5.67,,13.652,0.9,-13.3,,0.015
7.2,,,40,,5.59,,13.652,1.3,-13.3,,0.003 8.4,,,40,,5.47,,13.659,0.6,-13.4,,-0.020
9.6,,,40,,5.35,,13.671,0.1,-14.1,,0.009 10.8,,,40,,5.17,,13.671,2.4,-14.1,,0.022
12.0,,,40,,4.94,,13.669,2.3,-14.1,,0.010 13.2,,,40,,5.01,,13.671,2.3,-14.1,,-0.007
14.4,,,41,,4.88,,13.671,2.0,-14.1,,-0.014 15.6,,,41,,4.73,,13.671,1.4,-14.1,,-0.020
16.8,,,41,,4.64,,13.675,0.8,-14.1,,-0.013 18.0,,,41,,4.64,,13.691,0.9,-14.1,,-0.003
19.2,,,41,,4.60,,13.688,0.8,-14.1,,-0.004 20.4,,,41,,4.60,,13.677,0.4,-14.1,,-0.000
21.6,,,42,,4.33,,13.671,0.7,-14.1,,0.020 22.8,,,42,,4.22,,13.681,1.8,-14.1,,0.036
24.0,,,42,,4.32,,13.683,2.2,-14.1,,0.012 25.2,,,42,,4.38,,13.680,1.5,-14.1,,-0.033
26.4,,,43,,4.35,,13.709,0.1,-14.1,,-0.021 27.6,,,43,,4.36,,13.694,-0.6,-14.1,,-0.014
28.8,,,43,,4.26,,13.691,-0.8,-14.1,,0.000 30.0,,,43,,4.10,,13.703,-0.0,-14.1,,0.017
31.2,,,43,,4.06,,13.691,0.8,-14.1,,0.015 32.4,,,43,,4.14,,13.678,0.9,-14.1,,0.031
33.6,,,43,,4.16,,13.691,1.6,-14.1,,0.000 34.8,,,44,,4.06,,13.690,1.0,-14.1,,-0.023
36.0,,,44,,4.10,,13.676,0.3,-14.1,,-0.016 37.2,,,44,,4.06,,13.683,0.7,-14.1,,0.003
38.4,,,45,,4.02,,13.682,1.6,-14.1,,-0.001 39.6,,,45,,4.04,,13.677,1.5,-14.1,,-0.020
40.8,,,45,,4.03,,13.695,-0.1,-14.1,,-0.032 42.0,,,45,,3.97,,13.707,-0.8,-14.1,,-0.016
43.2,,,45,,4.01,,13.691,-0.8,-14.1,,0.009 44.4,,,45,,4.09,,13.690,-0.3,-14.1,,0.006
45.6,,,45,,4.01,,13.691,0.0,-14.1,,-0.009 46.8,,,45,,3.94,,13.691,0.0,-14.1,,-0.020
48.0,,,46,,3.91,,13.691,0.0,-14.1,,0.012 49.2,,,46,,3.88,,13.691,0.0,-14.1,,0.028
50.4,,,46,,3.86,,13.690,1.0,-14.1,,0.038 51.6,,,46,,3.77,,13.691,1.8,-14.1,,0.036
52.8,,,46,,3.82,,13.691,2.3,-14.1,,0.008 54.0,,,46,,3.84,,13.691,2.2,-14.1,,0.022
55.2,,,46,,3.80,,13.691,1.6,-14.1,,-0.009 56.4,,,47,,3.81,,13.697,1.6,-14.1,,-0.019
57.6,,,47,,3.79,,13.706,1.5,-14.1,,-0.002 58.8,,,47,,3.78,,13.691,0.0,-14.1,,-0.018
60.0,,,47,,3.82,,13.690,0.0,-14.1,,-0.019 61.2,,,47,,3.64,,13.691,0.0,-14.1,,0.011
62.4,,,48,,3.53,,13.691,0.6,-14.1,,0.045 63.6,,,48,,3.61,,13.691,1.5,-14.1,,0.035
64.8,,,48,,3.66,,13.688,0.8,-14.1,,0.001 66.0,,,48,,3.59,,13.671,1.4,-14.1,,0.007
67.2,,,48,,3.70,,13.671,1.6,-14.1,,-0.001 68.4,,,48,,3.61,,13.671,0.8,-14.1,,-0.011
69.6,,,48,,3.58,,13.682,0.3,-14.1,,0.009 70.8,,,48,,3.62,,13.691,0.8,-14.1,,0.016
72.0,,,48,,3.61,,13.687,0.8,-14.1,,-0.000 73.2,,,49,,3.57,,13.671,0.8,-14.1,,0.002
74.4,,,49,,3.63,,13.684,0.8,-14.1,,0.004 75.6,,,49,,3.58,,13.691,0.8,-14.1,,0.004
76.8,,,49,,3.55,,13.691,0.8,-14.1,,-0.000 78.0,,,49,,3.54,,13.691,0.7,-14.1,,-0.015
79.2,,,50,,3.55,,13.691,0.0,-14.1,,-0.002 80.4,,,50,,3.50,,13.671,0.0,-14.1,,0.010
81.6,,,50,,3.48,,13.671,0.0,-14.1,,0.016 82.8,,,50,,3.50,,13.685,0.4,-14.1,,0.014
84.0,,,50,,3.51,,13.691,0.4,-14.1,,0.010 85.2,,,50,,3.50,,13.691,0.0,-14.1,,0.004
86.4,,,50,,3.51,,13.682,0.0,-14.1,,0.005 87.6,,,50,,3.46,,13.685,0.0,-14.1,,-0.023
88.8,,,51,,3.45,,13.705,0.0,-14.1,,0.007 90.0,,,51,,3.48,,13.691,0.0,-14.1,,0.003
91.2,,,51,,3.45,,13.691,0.0,-14.1,,0.002 92.4,,,51,,3.31,,13.691,0.0,-14.1,,0.002
93.6,,,51,,3.41,,13.691,0.0,-14.1,,-0.001 94.8,,,51,,3.40,,13.681,0.0,-14.1,,-0.002
96.0,,,51,,3.36,,13.677,0.0,-14.1,,0.023 97.2,,,51,,3.30,,13.688,0.0,-14.1,,0.004
98.4,,,51,,3.27,,13.671,0.0,-14.1,,0.014 99.6,,,51,,3.37,,13.670,0.0,-14.1,,0.010
100.8,,,51,,3.12,,13.688,0.0,-14.1,,-0.006 102.0,,81,52,,3.33,,13.691,0.0,-14.1,,0.011
103.2,,81,52,,3.34,,13.671,0.0,-14.1,,0.006 104.4,,81,52,,3.30,,13.685,0.0,-14.1,,-0.009

105.6,,81,52,,3.33,,13.679,0.0,-14.1,,-0.001 106.8,,81,52,,3.33,,13.671,0.0,-14.1,,0.002
108.0,,81,52,,3.21,,13.671,-0.5,-14.1,,-0.002 109.2,,81,52,,3.32,,13.671,-0.8,-14.1,,-0.002
110.4,,81,53,,3.34,,13.671,-0.8,-14.1,,-0.002 111.6,,81,53,,3.26,,13.688,-0.8,-14.1,,0.003
112.8,,81,53,,3.19,,13.675,-0.8,-14.1,,0.008 114.0,,81,53,,3.32,,13.652,-0.8,-14.1,,0.002
115.2,,81,53,,3.29,,13.691,-0.8,-14.1,,0.003 116.4,,81,53,,3.30,,13.691,-0.8,-14.1,,-0.013
117.6,,81,53,,3.18,,13.674,-0.8,-14.1,,0.011 118.8,,81,53,,3.18,,13.671,-0.8,-14.1,,0.012
120.0,,81,53,,3.21,,13.671,-0.8,-14.1,,0.012 121.2,,81,53,,3.14,,13.671,-0.2,-14.1,,0.022
122.4,,81,53,,3.20,,13.687,0.0,-14.1,,0.014 123.6,,81,54,,3.18,,13.691,0.0,-14.1,,-0.006
124.8,,81,54,,3.23,,13.675,-0.6,-14.1,,-0.010 126.0,,81,54,,3.04,,13.654,-0.8,-14.1,,-0.007
127.2,,81,54,,3.12,,13.671,-0.8,-14.1,,0.011 128.4,,81,54,,3.14,,13.671,-0.8,-14.1,,0.003
129.6,,81,54,,3.17,,13.671,-0.8,-14.1,,-0.003 130.8,,81,54,,3.17,,13.671,-0.8,-14.1,,-0.001
132.0,,81,54,,3.22,,13.671,-0.8,-14.1,,0.000 133.2,,81,55,,3.25,,13.671,-0.8,-14.1,,0.007
134.4,,81,55,,3.25,,13.671,-0.8,-14.1,,-0.004 135.6,,81,55,,3.20,,13.671,-0.8,-14.1,,0.005
136.8,,81,55,,3.15,,13.671,-0.8,-14.1,,0.011 138.0,,81,55,,3.15,,13.665,0.0,-14.1,,0.027
139.2,,81,55,,3.15,,13.660,0.0,-14.1,,0.016 140.4,,81,55,,3.14,,13.654,-0.3,-14.1,,-0.013
141.6,,81,55,,3.16,,13.648,-0.8,-14.1,,0.000 142.8,,81,55,,3.14,,13.652,-0.8,-14.1,,0.000
144.0,,81,55,,3.09,,13.653,-0.8,-14.1,,-0.000 145.2,,81,55,,3.14,,13.661,-0.8,-14.1,,-0.005
146.4,,81,55,,3.11,,13.661,-1.1,-14.1,,0.014 147.6,,81,55,,3.11,,13.654,-1.3,-14.1,,0.009
148.8,,81,55,,3.11,,13.632,-0.8,-14.1,,0.008 150.0,,81,55,,3.07,,13.632,-1.0,-14.1,,-0.010
151.2,,81,56,,3.01,,13.632,-1.6,-14.1,,0.016 152.4,,81,56,,2.98,,13.632,-1.4,-14.1,,0.019
153.6,940,81,56,,3.02,21.9,13.632,-0.8,-14.1,35,0.039
154.8,934,81,56,,3.04,21.6,13.632,0.0,-14.1,35,0.012
156.0,924,81,56,,3.08,21.7,13.632,0.0,-14.1,36,0.011
157.2,928,81,56,,3.00,22.0,13.632,0.0,-14.1,36,0.016
158.4,931,81,56,,2.96,22.0,13.632,0.0,-14.1,36,-0.004
159.6,933,81,56,,3.01,21.8,13.632,0.0,-14.1,36,-0.007
160.8,933,81,56,,3.02,21.7,13.632,0.5,-14.1,36,0.000
162.0,927,81,56,0,3.03,22.0,13.632,0.6,-14.1,36,0.007
163.2,926,81,56,0,3.05,21.8,13.632,0.0,-14.1,36,-0.035
164.4,924,81,56,0,2.99,21.7,13.620,0.0,-14.1,36,-0.018
165.6,920,81,56,0,2.96,22.4,13.619,0.0,-14.1,36,0.012
166.8,921,81,57,0,2.92,22.1,13.632,0.0,-14.1,36,-0.011
168.0,925,81,57,0,2.95,21.6,13.621,0.0,-14.1,36,-0.016
169.2,934,81,57,0,2.96,21.6,13.625,0.0,-14.1,36,-0.004
170.4,920,81,57,0,2.97,22.1,13.651,0.0,-14.1,36,-0.004
171.6,922,81,57,0,3.06,22.3,13.632,-0.6,-14.1,36,-0.011
172.8,921,81,57,0,2.99,22.0,13.632,-0.8,-14.1,36,-0.005
174.0,904,81,57,0,2.97,22.4,13.632,-0.5,-14.1,36,0.019
175.2,911,81,58,0,3.01,22.2,13.632,0.8,-14.1,36,0.008
176.4,917,81,58,0,3.05,21.9,13.620,0.4,-14.1,36,-0.001
177.6,915,81,58,0,3.01,21.6,13.621,0.0,-14.1,36,-0.008
178.8,900,81,58,0,2.96,21.9,13.628,0.0,-14.1,36,0.012
180.0,900,81,58,0,2.90,21.8,13.613,0.0,-14.1,36,-0.005
181.2,900,81,58,0,2.97,21.6,13.613,0.0,-14.1,36,-0.005
182.4,899,81,58,0,3.03,21.2,13.620,0.0,-14.1,36,0.018
183.6,918,81,58,0,2.99,21.2,13.632,-0.2,-14.1,36,0.031
184.8,911,81,58,0,2.79,21.8,13.632,-1.6,-14.1,36,-0.023
186.0,907,81,58,0,2.96,22.2,13.632,-1.2,-14.1,36,-0.006

187.2,917,81,58,0,2.97,21.2,13.625,-0.8,-14.1,36,0.013
188.4,899,81,58,0,2.99,21.4,13.614,-0.8,-14.1,36,-0.008
189.6,889,81,58,0,2.90,21.7,13.632,-0.8,-14.1,36,0.011
190.8,889,81,58,0,2.95,22.0,13.620,-0.8,-14.1,36,0.014
192.0,886,81,58,0,2.89,22.0,13.613,-0.8,-14.1,36,0.002
193.2,888,81,59,0,2.73,22.3,13.613,-0.8,-14.1,36,0.016
194.4,892,81,59,0,2.91,22.7,13.625,-0.4,-14.1,36,0.003
195.6,902,81,59,0,2.95,22.4,13.625,-0.4,-14.1,36,-0.017
196.8,895,81,59,0,2.90,22.4,13.613,-1.6,-14.1,36,-0.020
198.0,891,81,59,0,2.94,22.4,13.613,-1.6,-14.1,36,-0.018
199.2,891,81,59,0,2.91,22.4,13.621,-1.8,-14.1,36,-0.021
200.4,884,81,59,0,2.93,22.4,13.632,-2.4,-14.1,36,-0.043
201.6,893,81,60,0,3.00,22.0,13.632,-3.1,-14.1,36,-0.012
202.8,895,81,60,0,2.86,21.7,13.632,-2.6,-14.1,36,0.021
204.0,878,81,60,0,2.90,22.0,13.624,-2.1,-14.1,36,0.041
205.2,881,81,60,0,2.96,22.2,13.615,-1.6,-14.1,36,0.004
206.4,891,81,60,0,2.96,22.1,13.632,-2.3,-14.1,36,-0.014
207.6,899,81,60,0,2.87,21.7,13.606,-2.8,-14.1,36,0.020
208.8,872,81,60,0,2.83,22.7,13.593,-1.9,-14.1,36,0.080
210.0,879,81,60,0,2.83,22.5,13.593,0.8,-14.1,36,0.023
211.2,879,81,60,0,2.93,22.5,13.574,-0.2,-14.1,36,-0.007
212.4,865,81,60,0,2.95,23.1,13.574,-1.0,-14.1,36,-0.044
213.6,871,81,60,0,2.98,22.7,13.574,-1.6,-14.1,36,-0.055
214.8,873,81,60,0,3.02,22.6,13.574,-2.0,-14.1,36,-0.028
216.0,859,81,60,0,3.02,23.1,13.581,-2.3,-14.1,36,0.001
217.2,647,81,60,0,3.03,28.9,13.586,-2.3,-14.1,36,0.008
218.4,668,81,60,0,3.07,32.6,13.476,2.3,-14.1,36,0.052
219.6,739,81,60,2,4.90,27.5,13.489,2.7,-13.3,36,0.133
220.8,1053,81,61,3,7.43,25.5,13.515,3.9,-10.2,36,0.362
222.0,1207,81,61,4,4.27,34.0,13.578,4.4,-12.1,36,0.022
223.2,1024,81,61,4,7.34,76.1,13.542,9.9,-12.2,36,-0.413
224.4,1498,81,61,5,13.13,46.2,13.481,20.2,-6.9,36,-0.145
225.6,1692,81,61,6,17.22,34.7,13.671,19.5,-4.7,36,-0.145
226.8,1802,81,61,8,3.18,32.8,13.661,7.7,-8.1,36,-0.444
228.0,998,81,61,8,3.12,20.0,13.645,-7.7,-14.1,36,-1.280
229.2,942,81,61,8,2.89,20.8,13.593,-20.2,-14.1,36,-0.610
230.4,855,81,61,6,2.84,22.7,13.576,-19.5,-14.1,36,-0.016
231.6,687,81,61,5,2.81,25.8,13.552,-17.7,-14.1,36,0.094
232.8,802,81,61,4,2.89,32.0,13.535,-11.6,-14.1,36,0.127
234.0,1084,81,61,4,2.92,47.4,13.568,-7.4,-13.9,36,0.155
235.2,1350,81,62,5,2.95,54.7,13.632,5.5,-12.5,36,-0.043
236.4,1747,81,62,7,16.51,57.3,13.645,12.8,-7.6,36,-0.152
237.6,2396,81,62,12,14.24,10.6,13.631,6.5,-4.7,36,-0.438
238.8,1569,81,62,14,3.20,14.3,13.597,-21.1,-14.1,36,-1.108
240.0,1135,81,62,16,2.79,16.9,13.671,-21.1,-14.1,36,-0.542
241.2,1038,81,62,17,2.80,17.7,13.693,-21.1,-14.1,36,-0.097
242.4,1033,81,62,18,2.80,18.4,13.710,-20.3,-14.1,36,0.035
243.6,1035,81,63,18,2.79,18.4,13.710,-17.2,-14.1,36,0.145

244.8,1165,81,63,19,11.20,23.6,13.756,-2.3,-9.6,36,0.210
246.0,1558,81,63,20,11.36,50.9,13.778,8.0,-5.6,36,0.150
247.2,1405,81,63,21,4.47,34.5,13.750,-7.8,-14.1,36,-1.419
248.4,1367,81,63,22,7.78,25.2,13.763,-7.8,-12.5,36,-0.645
249.6,1503,81,63,22,9.85,39.9,13.777,1.0,-10.0,36,0.222
250.8,1374,81,63,23,10.52,25.8,13.787,19.0,-7.0,36,-0.573
252.0,1305,81,63,24,2.78,14.5,13.769,-8.6,-11.3,36,-0.725
253.2,1296,81,63,23,2.74,13.8,13.740,-8.9,-14.1,36,-0.699
254.4,1206,81,63,23,2.72,15.7,13.718,-9.8,-14.1,36,-0.203
255.6,1176,81,63,22,2.76,15.9,13.750,-12.5,-14.1,36,-0.045
256.8,1142,81,63,22,2.76,16.1,13.750,-11.4,-14.1,36,0.051
258.0,1119,81,63,21,2.75,16.5,13.743,-9.7,-14.1,36,0.052
259.2,1097,81,63,20,2.76,17.0,13.710,-6.3,-14.1,36,0.219
260.4,1159,81,63,19,9.14,20.9,13.749,2.5,-10.8,36,0.158
261.6,1560,81,63,20,9.43,44.6,13.769,8.6,-7.6,36,0.044
262.8,1313,81,63,20,6.33,31.9,13.769,6.3,-10.9,36,-0.289
264.0,1092,81,63,20,2.71,18.1,13.744,-3.3,-12.5,36,-0.169
265.2,1023,81,63,19,2.72,18.8,13.717,-9.6,-14.1,36,0.003
266.4,1002,81,63,18,2.75,19.0,13.691,-7.8,-14.1,36,0.047
267.6,966,81,64,17,2.77,19.4,13.679,-7.1,-14.1,36,0.043
268.8,875,81,64,14,2.76,21.2,13.662,-6.3,-14.1,36,0.035
270.0,878,81,64,13,2.76,20.9,13.632,-6.3,-14.1,36,0.012
271.2,880,81,64,11,2.76,20.4,13.585,-5.5,-14.1,36,0.035
272.4,863,81,64,10,2.72,20.4,13.554,-4.4,-14.1,36,0.075
273.6,830,81,64,8,2.67,21.9,13.554,-3.1,-14.1,36,0.031
274.8,839,81,64,7,2.66,23.4,13.593,-2.2,-14.1,36,0.040
276.0,914,81,64,7,4.40,24.7,13.618,0.9,-13.7,36,0.060
277.2,1281,81,64,7,6.63,23.3,13.671,8.6,-11.7,36,0.137
278.4,1385,81,64,8,3.43,24.8,13.710,7.7,-13.0,36,-0.025
279.6,1004,81,64,9,3.75,37.6,13.703,8.2,-14.1,36,-0.218
280.8,1039,81,64,10,3.96,26.0,13.692,11.7,-14.1,36,-0.273
282.0,1115,81,64,10,2.64,27.7,13.710,4.6,-14.1,36,-0.179
283.2,1244,81,65,12,7.46,64.7,13.727,5.6,-12.5,36,-0.086
284.4,1728,81,65,13,13.18,71.8,13.745,15.6,-7.0,36,-0.301
285.6,1612,81,65,15,18.60,53.5,13.671,4.7,-6.5,36,-0.664
286.8,1409,81,65,18,8.59,15.9,13.714,-4.5,-9.3,35,-0.888
288.0,1055,81,65,18,2.79,17.3,13.732,-16.9,-14.1,35,-0.891
289.2,1028,81,65,18,2.76,17.6,13.671,-21.1,-14.1,35,-0.272
290.4,980,81,65,17,2.68,18.2,13.671,-18.4,-14.1,35,0.042
291.6,893,81,65,16,2.68,20.0,13.661,-15.2,-14.1,35,0.160
292.8,871,81,65,13,2.70,20.5,13.613,-10.9,-14.1,35,0.128
294.0,838,81,65,10,2.68,21.6,13.581,-10.1,-14.1,35,0.095
295.2,826,81,65,8,2.68,21.6,13.538,-8.5,-14.1,36,0.078
296.4,803,81,65,7,2.75,22.1,13.554,-7.0,-14.1,36,0.064
297.6,781,81,65,6,2.69,22.8,13.530,-6.2,-14.1,36,0.056
298.8,775,81,65,6,2.73,23.1,13.520,-5.2,-14.1,36,0.051
300.0,785,81,65,6,2.81,22.9,13.535,-3.9,-14.1,36,0.074
301.2,797,81,66,6,2.74,22.6,13.554,-3.5,-14.1,36,0.047

302.4,813,81,66,6,2.73,22.4,13.559,-3.1,-14.1,36,0.012
303.6,816,81,66,6,3.00,24.8,13.574,-3.1,-14.1,36,0.023
304.8,952,81,66,6,8.87,26.8,13.621,1.9,-12.4,36,0.069
306.0,1473,81,66,7,6.68,17.3,13.646,4.7,-10.9,36,0.120
307.2,1114,81,66,8,2.78,19.3,13.632,0.0,-14.1,36,-0.172
308.4,893,81,66,8,2.71,21.0,13.613,-1.0,-14.1,35,-0.121
309.6,920,81,66,8,2.68,20.4,13.597,-1.6,-14.1,36,-0.053
310.8,888,81,66,8,2.66,20.4,13.579,-1.6,-14.1,36,0.016
312.0,880,81,66,8,2.73,20.6,13.613,-1.6,-14.1,36,0.001
313.2,869,81,66,7,2.75,20.8,13.602,-1.6,-14.1,36,-0.012
314.4,855,81,66,8,2.74,21.2,13.593,-1.7,-14.1,36,-0.020
315.6,848,81,66,9,2.69,21.4,13.590,-2.3,-14.1,36,-0.016
316.8,837,81,66,8,2.65,21.5,13.554,0.0,-14.1,36,0.030
318.0,822,81,66,7,2.66,21.3,13.554,0.4,-14.1,36,0.039
319.2,807,81,66,7,2.63,22.4,13.539,0.8,-14.1,36,-0.007
320.4,809,81,66,7,2.59,22.4,13.517,0.8,-14.1,36,-0.000
321.6,808,81,66,7,2.60,22.1,13.535,0.8,-14.1,36,-0.004
322.8,807,81,66,7,2.64,21.2,13.526,0.8,-14.1,36,-0.008
324.0,821,81,66,7,2.67,22.1,13.511,0.8,-14.1,36,-0.008
325.2,803,81,66,7,2.64,22.4,13.496,0.8,-14.1,36,-0.008
326.4,796,81,66,6,2.67,22.3,13.510,1.3,-14.1,36,-0.004
327.6,806,81,66,6,2.69,22.0,13.515,1.3,-14.1,36,-0.002
328.8,814,81,66,6,2.70,22.3,13.519,0.8,-14.1,36,-0.008
330.0,812,81,66,6,2.68,22.4,13.535,0.8,-14.1,36,-0.033
331.2,805,81,66,6,2.60,22.5,13.522,0.3,-14.1,36,-0.033
332.4,795,81,66,6,2.65,22.7,13.515,0.3,-14.1,36,-0.011
333.6,795,81,66,6,2.71,23.1,13.515,0.8,-14.1,36,0.027
334.8,799,81,66,6,2.73,22.9,13.515,0.8,-14.1,36,0.006
336.0,802,81,67,6,2.74,22.7,13.515,0.8,-14.1,36,-0.024
337.2,793,81,67,6,2.70,22.4,13.515,0.7,-14.1,36,-0.052
338.4,793,81,67,6,2.60,21.9,13.515,0.0,-14.1,36,0.008
339.6,789,81,67,7,2.63,21.4,13.515,0.4,-14.1,36,0.003
340.8,773,81,67,6,2.61,23.1,13.510,0.8,-14.1,36,-0.007
342.0,772,81,67,5,2.59,23.1,13.496,0.8,-14.1,36,0.008
343.2,776,81,67,5,2.63,23.0,13.496,0.8,-14.1,36,0.001
344.4,799,81,67,6,2.62,21.6,13.501,0.8,-14.1,36,-0.012
345.6,785,81,67,6,2.62,22.0,13.515,0.8,-14.1,36,-0.017
346.8,768,81,67,5,2.64,22.7,13.495,1.1,-14.1,36,-0.009
348.0,771,81,67,5,2.63,23.0,13.476,1.6,-14.1,36,0.020
349.2,761,81,67,4,2.56,22.9,13.476,1.6,-14.1,36,-0.010
350.4,751,81,67,4,2.56,22.8,13.476,1.6,-14.1,36,-0.018
351.6,753,81,67,4,2.60,23.5,13.483,1.6,-14.1,36,-0.002
352.8,770,81,67,4,2.67,23.3,13.496,1.6,-14.1,36,0.016
354.0,776,81,67,4,2.70,23.0,13.496,1.6,-14.1,36,-0.013
355.2,764,81,68,5,2.66,22.7,13.488,1.3,-14.1,36,-0.044
356.4,746,81,68,4,2.62,23.7,13.472,0.8,-14.1,36,-0.031
357.6,722,81,68,4,2.59,24.7,13.437,0.8,-14.1,36,-0.023
358.8,679,81,68,4,2.62,25.9,13.437,1.1,-14.1,36,-0.009

360.0,673,81,68,3,2.63,25.9,13.437,1.6,-14.1,36,0.020
361.2,668,81,68,2,2.53,26.3,13.437,1.6,-14.1,36,0.016
362.4,658,81,68,2,2.53,27.1,13.409,1.9,-14.1,36,0.013
363.6,631,81,68,2,2.55,27.8,13.378,2.5,-14.1,35,0.016
364.8,638,81,68,2,2.58,27.1,13.378,3.9,-14.1,35,0.019
366.0,637,81,68,2,2.53,26.8,13.404,3.9,-14.1,36,0.011
367.2,626,81,68,2,2.53,28.6,13.417,4.1,-14.1,35,0.001
368.4,632,81,68,2,2.54,27.9,13.417,4.7,-14.1,35,0.008
369.6,634,81,68,2,2.59,27.4,13.359,4.7,-14.1,35,-0.014
370.8,633,81,68,2,2.62,27.1,13.377,4.7,-14.1,35,-0.032
372.0,653,81,68,1,2.64,26.6,13.402,4.7,-14.1,35,-0.035
373.2,664,81,68,1,2.64,25.7,13.417,4.7,-14.1,35,-0.007
374.4,668,81,68,2,2.62,25.6,13.379,4.7,-14.1,35,-0.015
375.6,655,81,68,2,2.62,27.1,13.373,4.7,-14.1,35,-0.027
376.8,676,81,68,3,2.62,26.3,13.400,4.7,-14.1,36,-0.000
378.0,700,81,68,3,2.64,25.3,13.417,4.7,-14.1,36,-0.023
379.2,733,81,68,3,2.61,24.2,13.429,4.3,-14.1,36,-0.044
380.4,753,81,68,4,2.58,23.1,13.432,3.8,-14.1,36,-0.052
381.6,713,81,68,4,2.54,24.1,13.417,3.1,-14.1,36,-0.012
382.8,678,81,68,3,2.53,25.3,13.389,3.6,-14.1,36,-0.004
384.0,656,81,68,2,2.51,26.3,13.340,3.9,-14.1,36,0.001
385.2,639,81,68,2,2.55,27.1,13.308,3.9,-14.1,36,-0.012
386.4,635,81,69,2,2.67,27.4,13.339,3.9,-14.1,36,-0.024
387.6,628,81,69,2,2.65,27.8,13.350,3.9,-14.1,36,-0.027
388.8,611,81,69,2,2.65,27.5,13.341,3.9,-14.1,36,-0.016
390.0,615,81,69,1,2.67,28.0,13.281,3.9,-14.1,36,-0.019
391.2,621,81,69,0,2.67,28.5,13.318,3.9,-14.1,36,-0.026
392.4,629,81,69,0,2.66,27.5,13.320,3.7,-14.1,36,-0.036
393.6,628,81,69,0,2.63,27.7,13.281,3.1,-14.1,36,-0.047
394.8,629,81,69,0,2.53,27.9,13.324,3.1,-14.9,36,-0.042
396.0,630,81,70,0,2.59,28.2,13.321,3.4,-15.6,36,-0.025
397.2,624,81,70,0,2.62,28.2,13.292,3.9,-15.6,36,0.035
398.4,625,81,70,0,2.55,28.4,13.262,3.9,-15.6,36,-0.000
399.6,624,81,70,0,2.67,28.4,13.339,4.4,-15.6,36,0.000
400.8,623,81,70,0,2.66,27.8,13.329,4.7,-15.6,36,-0.005
402.0,632,81,70,0,2.64,27.1,13.315,4.6,-15.5,36,-0.017
403.2,628,81,70,0,2.62,28.0,13.300,3.9,-14.8,36,-0.043
404.4,625,81,70,0,2.66,28.7,13.276,3.5,-14.8,36,-0.038
405.6,629,81,70,0,2.61,27.5,13.268,3.1,-14.8,36,-0.028
406.8,620,81,70,0,2.58,28.2,13.283,3.1,-14.8,36,-0.008
408.0,622,81,70,0,2.64,28.3,13.300,3.1,-14.8,36,-0.013
409.2,627,81,70,0,2.63,27.8,13.290,3.4,-14.8,36,-0.005
410.4,622,81,70,1,2.62,27.5,13.273,3.9,-14.8,36,0.031
411.6,632,81,70,2,2.64,27.8,13.222,3.9,-14.1,36,-0.020
412.8,642,81,70,2,2.65,28.1,13.274,4.6,-14.1,36,-0.021
414.0,644,81,70,2,2.63,27.5,13.312,5.4,-14.1,36,0.031
415.2,640,81,70,1,2.59,26.8,13.281,4.7,-14.1,36,-0.030
416.4,635,81,70,0,2.56,25.9,13.305,3.8,-13.7,36,-0.054

417.6,637,81,70,0,2.54,26.3,13.300,3.1,-13.3,36,-0.035
418.8,636,81,70,0,2.54,27.3,13.261,3.1,-13.3,36,-0.059
420.0,631,81,70,0,2.59,27.9,13.305,2.6,-13.3,36,-0.045
421.2,628,81,70,0,2.60,27.1,13.276,2.6,-13.3,36,-0.008
422.4,659,81,70,1,2.60,26.7,13.244,3.1,-13.3,36,0.078
423.6,684,81,70,3,2.59,25.8,13.378,3.1,-13.3,36,-0.010
424.8,828,81,70,4,5.91,24.4,13.389,3.9,-12.7,36,0.041
426.0,1240,81,70,5,8.44,28.6,13.431,6.6,-11.1,36,0.245
427.2,1481,81,71,6,9.76,36.8,13.515,13.3,-7.8,36,-0.043
428.4,1728,81,70,7,9.35,48.0,13.560,3.9,-7.4,36,-0.101
429.6,1995,81,70,10,12.15,67.8,13.604,-0.9,-6.7,36,-0.228
430.8,1807,81,70,11,16.68,57.6,13.634,14.1,-4.7,36,-0.418
432.0,1758,81,71,14,14.84,47.2,13.671,5.5,-5.2,36,-0.226
433.2,1896,81,71,17,11.14,39.6,13.664,0.3,-6.7,36,-0.005
434.4,1568,81,71,18,7.03,38.2,13.652,-14.1,-10.9,36,0.145
435.6,1385,81,71,19,9.18,37.1,13.664,-4.6,-9.4,36,0.107
436.8,1520,81,71,19,7.06,38.0,13.661,2.5,-8.6,36,0.067
438.0,1361,81,72,20,2.78,27.6,13.632,0.0,-13.3,36,0.266
439.2,1153,81,72,20,2.66,15.0,13.622,-8.1,-13.3,36,0.129
440.4,841,81,72,18,6.26,20.4,13.617,-15.1,-12.9,36,-0.172
441.6,1235,81,72,15,17.14,39.4,13.632,-2.3,-4.7,36,0.272
442.8,1802,81,72,13,19.94,74.6,13.660,3.1,-3.9,36,0.315
444.0,2083,81,72,15,22.83,68.1,13.706,10.5,-2.3,36,-0.277
445.2,2204,81,72,18,24.03,67.2,13.769,7.8,-2.3,36,-0.132
446.4,2376,81,73,21,24.27,66.1,13.783,3.3,-2.3,36,-0.035
447.6,2578,81,73,24,23.96,67.0,13.783,-3.1,-2.3,35,0.023
448.8,2254,81,73,24,23.46,65.2,13.769,-13.3,-2.3,35,0.031
450.0,1919,81,73,27,19.32,58.2,13.780,-9.2,-3.8,35,-0.106
451.2,1753,81,73,27,13.33,12.9,13.759,-3.5,-6.3,35,-0.414
452.4,1411,81,74,26,3.51,15.2,13.632,0.0,-13.3,35,-0.813
453.6,841,81,74,24,3.14,20.8,13.632,-3.0,-13.5,35,-1.129
454.8,841,81,74,21,4.71,50.4,13.632,-8.6,-14.1,35,-0.979
456.0,1204,81,75,17,21.00,75.6,13.769,6.5,-7.9,35,-0.583
457.2,1896,81,75,17,21.15,75.3,13.769,13.3,-3.1,35,-0.146
458.4,1943,81,75,19,21.47,77.2,13.773,5.5,-3.1,35,-0.016
459.6,1966,81,75,20,22.45,76.7,13.828,2.3,-2.7,35,-0.029
460.8,2006,81,75,22,22.74,75.3,13.814,1.5,-2.3,35,-0.041
462.0,2028,81,75,23,22.95,75.8,13.783,-0.8,-2.3,35,-0.020
463.2,2034,81,76,24,22.49,73.6,13.593,-1.8,-2.3,35,-0.039
464.4,1992,81,76,25,13.95,67.3,13.664,-9.6,-6.0,35,-0.475
465.6,1420,81,76,25,5.40,11.8,13.745,-19.9,-13.3,35,-1.641
466.8,1245,81,76,24,2.65,13.6,13.710,0.0,-13.3,35,-0.824
468.0,990,81,76,20,2.62,18.0,13.683,-3.3,-13.5,35,-0.473
469.2,1181,81,76,18,5.59,56.1,13.664,-7.5,-14.1,35,-1.425
470.4,1493,81,77,16,19.34,75.0,13.750,15.6,-6.0,35,-0.602
471.6,1872,81,76,16,20.69,74.6,13.836,10.5,-2.3,35,-0.039
472.8,1949,81,76,18,21.85,76.0,13.919,4.3,-2.3,35,-0.004
474.0,1986,81,76,21,22.77,76.0,13.964,1.6,-1.6,35,-0.018

475.2,2050,81,77,24,23.29,75.7,13.895,0.6,-1.6,35,-0.027
476.4,2137,81,77,25,23.45,74.8,13.790,-1.7,-1.6,35,-0.004
477.6,2083,81,77,28,21.03,68.0,13.808,-14.1,-2.6,35,-0.178
478.8,1970,81,78,30,18.68,45.1,13.768,-5.8,-2.7,35,-0.260
480.0,1932,81,78,30,16.73,60.4,13.712,9.4,-1.6,34,-0.000
481.2,1816,81,78,32,19.02,65.2,13.769,-0.9,-2.5,34,-0.033
482.4,1626,81,78,34,10.54,57.2,13.749,-12.4,-6.9,34,-0.471
483.6,1459,81,78,34,6.11,23.9,13.730,-19.2,-12.7,34,-1.520
484.8,1499,81,78,35,11.06,35.6,13.730,-9.4,-7.0,34,-0.415
486.0,1559,81,78,37,14.20,51.8,13.730,-1.1,-6.3,35,0.100
487.2,1642,81,78,37,11.07,48.6,13.736,3.3,-6.7,35,-0.119
488.4,1654,81,78,38,3.16,29.2,13.750,-9.4,-13.3,35,-1.780
489.6,1634,81,78,39,2.98,12.3,13.706,-3.1,-13.3,35,0.124
490.8,1573,81,78,38,2.86,12.5,13.663,0.0,-13.3,35,1.908
492.0,1416,81,78,36,2.72,12.3,13.641,0.0,-13.3,35,2.187
493.2,1422,81,78,35,2.59,12.5,13.691,0.0,-13.3,35,2.244
494.4,1440,81,78,34,11.01,13.3,13.742,2.7,-11.1,35,1.743
495.6,1721,81,78,34,17.58,30.7,13.805,7.8,-5.5,35,-0.281
496.8,1671,81,78,35,15.93,38.3,13.789,7.8,-6.0,35,-0.214
498.0,1602,81,78,37,12.01,34.0,13.745,-0.9,-6.6,35,-0.044
499.2,1645,81,78,38,7.54,17.6,13.720,-9.2,-7.7,35,0.193
500.4,1646,81,78,39,3.15,15.1,13.750,0.0,-13.3,35,0.234
501.6,1636,81,78,39,3.02,12.2,13.707,0.0,-13.3,35,0.910
502.8,1568,81,78,39,2.88,12.9,13.671,0.0,-13.3,35,2.344
504.0,1455,81,78,37,2.73,12.2,13.671,0.0,-13.3,35,2.373
505.2,1330,81,78,34,2.35,11.8,13.671,0.0,-13.3,35,2.399
506.4,1228,81,78,31,2.40,13.3,13.663,0.0,-13.3,35,2.417
507.6,921,81,78,29,2.62,16.1,13.648,0.0,-13.3,35,2.424
508.8,914,81,78,25,3.43,18.5,13.613,0.0,-13.3,35,1.537
510.0,896,81,78,17,2.94,18.8,13.589,0.2,-13.3,35,0.389
511.2,803,81,78,12,2.45,20.7,13.547,0.8,-13.3,35,-0.375
512.4,715,81,78,6,2.43,22.5,13.398,0.2,-13.3,35,-0.279
513.6,653,81,78,3,2.41,23.9,13.427,0.7,-13.3,35,-0.236
514.8,657,81,78,3,2.39,22.7,13.460,1.5,-13.3,35,-0.297
516.0,657,81,78,3,2.39,23.5,13.476,-1.6,-13.3,35,-0.132
517.2,655,81,78,3,2.41,24.7,13.455,-1.2,-13.3,35,-0.021
518.4,641,81,78,2,2.41,25.5,13.429,-0.7,-13.3,35,-0.000
519.6,630,81,78,2,2.40,25.5,13.398,0.0,-13.3,35,0.009
520.8,614,81,78,2,2.42,25.5,13.398,0.3,-13.3,35,0.001
522.0,621,81,78,2,2.41,25.9,13.394,0.6,-13.3,35,-0.043
523.2,619,81,78,1,2.37,26.1,13.378,-0.8,-13.3,35,-0.027
524.4,617,81,78,0,2.32,26.3,13.378,-0.8,-13.3,35,-0.022
525.6,620,81,78,0,2.29,26.3,13.373,-0.8,-13.3,35,-0.014
526.8,616,81,78,0,2.29,25.5,13.359,-0.8,-13.3,35,-0.039
528.0,612,81,78,0,2.32,25.0,13.378,-0.3,-13.3,35,-0.020
529.2,610,81,78,0,2.32,26.7,13.365,0.0,-13.3,35,0.003
530.4,608,81,78,0,2.32,26.0,13.339,0.0,-13.3,35,-0.027
531.6,604,81,78,0,2.31,25.4,13.315,-0.4,-13.3,36,-0.021

532.8,595,81,78,0,2.34,26.7,13.307,-0.6,-13.3,36,-0.010
534.0,625,81,78,0,2.41,26.9,13.332,0.0,-13.3,36,0.004
535.2,639,81,78,0,2.48,26.8,13.417,0.8,-13.3,36,-0.020
536.4,695,81,78,2,3.49,25.9,13.436,0.8,-13.6,36,-0.002
537.6,1163,81,78,3,4.76,34.9,13.466,1.4,-14.1,36,0.129
538.8,1165,81,78,4,6.42,27.7,13.535,11.7,-13.3,36,-0.132
540.0,1165,81,78,7,4.23,14.1,13.509,6.9,-13.3,36,-0.286
541.2,738,81,78,6,2.40,19.0,13.468,-3.1,-13.3,36,0.117
542.4,684,81,78,4,2.39,23.1,13.398,-2.0,-13.3,36,0.022
543.6,621,81,78,2,2.37,25.4,13.398,-1.9,-13.3,36,-0.054
544.8,648,81,78,3,2.39,24.7,13.411,-2.3,-13.3,36,-0.056
546.0,675,81,78,3,2.48,24.0,13.457,-2.3,-13.3,36,0.020
547.2,706,81,78,3,2.47,22.7,13.457,-2.0,-13.3,36,0.014
548.4,715,81,78,3,3.55,23.1,13.461,-1.0,-13.3,36,-0.000
549.6,928,81,78,3,6.28,25.5,13.476,3.9,-13.3,36,0.160
550.8,1068,81,78,3,3.61,26.8,13.476,3.4,-13.3,36,-0.023
552.0,872,81,78,4,2.44,17.6,13.463,1.9,-13.3,36,-0.349
553.2,741,81,78,4,2.34,21.3,13.437,-1.6,-13.3,36,0.051
554.4,648,81,79,4,2.29,24.6,13.400,-1.2,-13.3,36,0.045
555.6,625,81,79,2,2.36,24.3,13.378,-0.5,-13.4,36,0.039
556.8,758,81,79,2,2.48,24.1,13.378,0.8,-14.1,36,0.074
558.0,817,81,79,2,2.50,34.5,13.405,1.3,-13.7,36,-0.037
559.2,712,81,79,3,3.79,77.6,13.459,3.2,-13.3,36,-0.255
560.4,857,81,79,3,5.08,43.5,13.535,7.0,-13.3,36,-0.769
561.6,866,81,79,4,2.23,19.1,13.462,-3.5,-13.3,36,-0.324
562.8,742,81,79,4,2.37,23.5,13.464,-5.8,-13.3,36,0.059
564.0,778,81,79,4,3.13,28.7,13.503,-0.8,-13.3,36,-0.000
565.2,890,81,79,4,5.98,33.1,13.554,11.7,-13.8,36,-0.077
566.4,1135,81,79,5,6.62,35.8,13.545,12.6,-13.0,36,-0.120
567.6,1550,81,79,6,10.40,53.3,13.555,12.6,-9.1,36,-0.010
568.8,2082,81,79,8,17.86,57.9,13.614,6.3,-1.6,36,0.129
570.0,2523,81,79,12,25.78,65.8,13.710,-0.7,-1.6,36,-0.104
571.2,2688,81,79,16,25.94,80.4,13.701,0.2,-1.6,36,-0.291
572.4,2320,81,79,18,26.31,77.6,13.695,7.1,-1.5,36,-0.102
573.6,2466,81,80,21,26.83,69.6,13.713,-0.8,-0.8,36,-0.020
574.8,2611,81,80,24,27.03,61.9,13.750,-1.6,-0.8,36,-0.027
576.0,2621,81,80,26,23.38,57.0,13.750,2.1,-0.8,35,-0.019
577.2,2149,81,80,27,22.61,76.4,13.758,5.8,-0.8,35,0.004
578.4,2193,81,81,28,25.39,77.9,13.789,0.8,-0.8,35,-0.004
579.6,2245,81,81,29,26.33,80.0,13.800,-0.4,-0.8,35,-0.008
580.8,2270,81,81,30,26.75,79.1,13.803,-1.6,-0.8,35,-0.009
582.0,2284,81,81,31,26.48,79.0,13.789,-1.6,-0.8,35,-0.020
583.2,2305,81,81,31,27.21,78.7,13.789,-2.0,-0.8,35,-0.015
584.4,2332,81,82,32,27.04,76.9,13.796,-2.1,-0.8,35,-0.007
585.6,2395,81,82,33,27.12,77.6,13.808,-1.6,-0.8,34,-0.004
586.8,2434,81,82,33,28.55,77.9,13.808,-1.6,-0.8,34,-0.002
588.0,2494,81,83,34,28.91,77.6,13.808,-1.4,-0.8,34,-0.004
589.2,2584,81,83,36,28.26,69.3,13.801,-0.9,-0.8,34,-0.020

590.4,2298,81,83,37,24.03,70.7,13.750,-2.3,-0.8,34,0.054
591.6,1961,81,83,38,24.07,72.9,13.769,-1.7,-0.8,34,0.069
592.8,2188,81,83,39,24.25,76.0,13.786,-0.8,-0.8,34,-0.020
594.0,2210,81,84,40,24.84,75.6,13.769,-0.8,-0.8,34,-0.025
595.2,2238,81,84,42,25.02,74.8,13.769,-1.5,-0.8,34,-0.027
596.4,2272,81,84,43,25.01,74.1,13.777,-2.3,-0.8,34,-0.027
597.6,2300,81,85,44,24.76,72.8,13.808,-2.3,-0.8,34,-0.019
598.8,2341,81,85,47,24.55,71.0,13.808,-1.6,-0.8,34,-0.023
600.0,2413,81,85,48,24.95,71.0,13.808,-0.8,-0.8,34,-0.035
601.2,2457,81,85,50,25.96,69.9,13.808,-0.8,-0.8,34,-0.018
602.4,2401,81,85,52,20.11,69.4,13.781,-9.0,-0.8,34,0.073
603.6,2232,81,85,52,22.28,70.6,13.769,-9.0,-0.8,34,0.153
604.8,2271,81,85,52,24.96,73.9,13.770,1.6,-0.8,34,-0.035
606.0,2272,81,85,53,25.00,75.4,13.789,-1.6,-0.8,34,-0.026
607.2,2271,81,86,53,24.71,73.7,13.798,-1.2,-0.8,34,-0.022
608.4,2266,81,86,53,19.38,74.0,13.811,-1.8,-1.0,34,-0.027
609.6,2203,81,86,53,5.59,47.0,13.828,-10.2,-13.3,34,-0.960
610.8,2091,81,86,52,4.38,12.5,13.768,-15.5,-13.3,34,-1.450
612.0,1902,81,86,48,3.54,12.5,13.709,-14.7,-13.3,34,-0.949
613.2,1280,81,86,44,2.95,12.7,13.667,0.0,-13.3,34,1.688
614.4,1156,81,86,37,2.26,14.3,13.632,0.0,-13.3,34,0.452
615.6,959,81,86,27,2.34,17.4,13.623,-3.3,-13.3,35,-0.539
616.8,854,81,86,21,2.41,19.6,13.613,-8.6,-13.3,35,-0.781
618.0,851,81,86,14,2.43,19.6,13.613,-8.6,-13.3,35,-0.656
619.2,816,81,86,9,2.39,20.1,13.496,-8.6,-13.3,35,-0.544
620.4,724,81,86,6,2.38,22.7,13.476,-9.0,-13.3,35,-0.377
621.6,682,81,86,4,2.38,25.3,13.437,-10.2,-13.3,35,-0.016
622.8,643,81,86,2,2.65,28.4,13.437,-8.9,-13.3,35,-0.018
624.0,640,81,86,2,2.55,25.1,13.426,-7.8,-13.3,35,-0.020
625.2,638,81,86,1,2.82,49.3,13.398,-7.8,-13.3,35,-0.016
626.4,920,81,86,0,6.81,64.0,13.518,0.9,-11.0,35,0.020
627.6,1521,81,86,3,9.87,51.8,13.603,8.5,-8.1,35,0.052
628.8,1849,81,86,6,15.04,50.9,13.656,12.5,-5.5,35,-0.070
630.0,2313,81,86,9,23.89,51.9,13.730,12.0,-2.9,35,-0.158
631.2,2823,81,86,14,24.10,56.9,13.730,10.9,-0.8,35,-0.217
632.4,2314,81,86,17,25.13,69.4,13.736,8.6,-0.8,35,-0.086
633.6,2456,81,86,22,28.28,71.3,13.769,2.3,-0.8,35,-0.134
634.8,2691,81,86,25,28.77,61.2,13.797,1.0,-0.8,35,-0.129
636.0,2985,81,86,27,29.33,67.1,13.838,-0.5,-0.8,35,-0.004
637.2,2753,81,86,30,29.81,72.1,13.886,1.6,-0.8,35,0.038
638.4,2431,81,87,34,28.34,74.6,13.875,1.2,-0.8,34,0.025
639.6,2560,81,87,35,26.88,75.3,13.861,-1.6,-0.8,34,-0.058
640.8,2567,81,87,37,24.55,61.1,13.847,-9.4,-0.8,34,-0.273
642.0,2346,81,88,39,9.92,42.2,13.730,-16.0,-6.8,34,-0.440
643.2,1692,81,88,40,7.00,12.9,13.737,-15.1,-12.6,34,-0.623
644.4,1669,81,88,40,3.24,11.5,13.750,0.0,-13.3,34,1.370
645.6,1547,81,88,39,2.25,10.6,13.698,0.0,-13.3,34,1.682
646.8,1270,81,88,34,2.31,12.2,13.678,0.0,-13.3,35,2.129

648.0,1198,81,88,32,3.09,35.6,13.691,0.0,-13.3,35,2.291
649.2,1328,81,88,27,15.97,58.0,13.752,3.8,-8.8,35,1.364
650.4,1874,81,88,28,11.32,52.9,13.768,4.0,-4.1,35,-0.293
651.6,1528,81,88,29,2.39,34.6,13.710,-7.8,-13.3,35,-0.955
652.8,1161,81,88,30,2.42,14.1,13.672,-3.4,-13.3,35,0.052
654.0,910,81,88,24,2.41,18.4,13.624,0.0,-13.3,35,2.075
655.2,914,81,88,22,2.71,17.3,13.574,0.0,-13.3,35,1.468
656.4,1207,81,88,19,7.28,27.9,13.660,1.5,-6.9,35,0.731
657.6,1924,81,88,17,17.11,77.6,13.710,4.3,-1.9,35,-0.109
658.8,2399,81,88,19,25.91,76.8,13.734,7.5,-0.8,35,-0.441
660.0,2587,81,87,23,28.80,69.2,13.750,4.7,-0.8,35,-0.211
661.2,2783,81,87,25,14.57,56.9,13.769,2.7,-5.3,35,0.189
662.4,2093,81,87,27,9.59,58.8,13.792,0.6,-13.2,35,0.824
663.6,2166,81,87,29,22.64,65.3,13.808,7.8,-0.8,35,-0.056
664.8,2183,81,88,30,22.06,72.6,13.758,4.8,-0.8,34,-0.236
666.0,2067,81,88,33,21.98,71.0,13.742,2.0,-0.8,34,-0.020
667.2,2077,81,88,34,21.49,70.6,13.769,0.8,-0.8,34,-0.031
668.4,1989,81,88,36,13.53,66.4,13.757,-10.4,-3.7,34,-0.090
669.6,1604,81,88,37,9.98,22.7,13.734,-19.8,-7.6,34,-0.184
670.8,1572,81,89,37,3.12,19.1,13.691,-21.1,-13.3,34,-0.600
672.0,1515,81,89,37,2.71,12.9,13.673,-12.8,-13.3,34,-0.313
673.2,1222,81,89,34,2.39,13.3,13.650,0.0,-13.3,34,2.089
674.4,1097,81,89,30,2.35,15.0,13.632,0.0,-13.3,34,2.153
675.6,834,81,89,22,2.37,20.4,13.604,0.0,-13.3,35,2.149
676.8,806,81,89,19,2.40,20.6,13.554,0.0,-13.3,35,-0.176
678.0,808,81,89,12,2.42,30.6,13.574,-3.8,-13.3,35,-0.276
679.2,934,81,89,6,9.00,55.7,13.613,0.0,-10.6,35,-0.278
680.4,1921,81,89,6,15.91,53.9,13.665,7.8,-5.3,35,-0.074
681.6,2365,81,88,9,20.14,49.4,13.710,7.8,-0.8,35,-0.339
682.8,2578,81,88,14,20.56,50.2,13.736,8.7,-0.8,35,-0.279
684.0,2236,81,88,17,21.08,68.2,13.764,5.9,-1.1,35,-0.091
685.2,2247,81,88,20,19.24,39.8,13.786,-3.1,-2.3,35,-0.722
686.4,1961,81,89,22,3.17,11.3,13.710,-1.4,-7.1,34,0.123
687.6,1047,81,89,21,2.90,15.7,13.672,-1.5,-13.3,34,1.695
688.8,904,81,89,17,2.51,18.2,13.574,-8.6,-13.3,34,-0.124
690.0,820,81,89,10,2.56,34.7,13.588,-8.6,-13.3,35,-0.602
691.2,849,81,90,6,9.17,87.1,13.636,-2.6,-10.6,35,-0.409
692.4,1608,81,90,7,15.61,56.9,13.695,7.8,-3.9,35,-0.387
693.6,1897,81,89,9,17.45,41.7,13.730,3.7,-5.0,35,-0.110
694.8,1756,81,89,12,13.12,53.2,13.740,-1.9,-6.1,35,0.107
696.0,1747,81,89,15,11.89,55.3,13.764,-5.0,-6.7,35,0.125
697.2,1810,81,89,17,15.12,61.3,13.808,7.8,-3.1,35,0.016
698.4,1895,81,90,19,22.25,67.4,13.898,5.6,-2.0,34,-0.048
699.6,2038,81,90,23,20.00,60.8,13.896,1.9,-1.1,34,-0.078
700.8,1918,81,90,23,15.95,60.9,13.769,-6.3,-3.9,34,-0.001
702.0,1754,81,90,25,13.89,61.1,13.780,-7.4,-7.7,34,-0.408
703.2,1539,81,90,27,9.57,12.5,13.753,-10.4,-13.3,34,-1.348
704.4,1281,81,91,26,2.32,14.5,13.632,-21.1,-13.3,34,-0.841

705.6,925,81,91,23,2.41,18.4,13.614,-13.3,-13.3,34,-0.429
706.8,892,81,91,21,2.47,18.4,13.585,-2.0,-13.3,35,-0.319
708.0,865,81,91,17,2.47,18.8,13.554,-14.1,-13.3,35,-0.137
709.2,956,81,91,12,2.64,39.9,13.574,-14.1,-13.8,35,0.030
710.4,1143,81,91,6,9.79,85.9,13.599,-9.2,-10.9,35,0.146
711.6,2306,81,91,8,17.43,65.3,13.636,0.0,-1.6,35,-0.004
712.8,2257,81,91,11,23.66,55.2,13.750,4.9,-1.2,35,-0.006
714.0,2143,81,91,16,23.08,67.5,13.761,6.5,-0.8,35,-0.014
715.2,2267,81,90,17,22.10,64.5,13.789,-2.3,-0.8,35,-0.160
716.4,2335,81,91,21,20.97,60.1,13.789,-4.6,-0.8,35,-0.097
717.6,2066,81,91,25,19.60,61.2,13.800,-6.0,-0.8,34,0.030
718.8,2008,81,91,26,16.95,62.5,13.828,-2.3,-0.8,34,0.020
720.0,1818,81,91,27,2.57,56.1,13.779,-7.0,-6.6,34,-0.652
721.2,1360,81,91,30,2.49,17.3,13.713,-13.1,-13.3,35,-1.668
722.4,1201,81,91,29,2.37,16.5,13.630,-20.3,-13.3,35,-0.422
723.6,1035,81,92,27,2.35,16.1,13.593,-8.6,-13.3,35,0.122
724.8,893,81,92,19,2.38,18.0,13.593,-1.6,-13.3,35,0.797
726.0,809,81,92,15,2.43,20.1,13.583,-6.3,-13.3,35,-0.410
727.2,733,81,92,8,2.45,22.3,13.417,-8.3,-13.3,35,-0.234
728.4,668,81,92,3,4.70,24.7,13.460,-7.1,-12.6,35,-0.008
729.6,1130,81,92,4,8.50,41.5,13.554,0.0,-9.4,35,0.129
730.8,1605,81,92,6,14.81,62.0,13.620,-1.4,-7.9,35,0.099
732.0,2245,81,92,9,16.26,66.3,13.679,-2.5,-5.5,35,0.031
733.2,2187,81,91,13,19.46,65.7,13.710,3.1,-0.8,35,-0.011
734.4,2156,81,91,17,19.32,62.1,13.746,-0.2,-0.8,35,-0.084
735.6,2391,81,91,20,18.75,53.3,13.775,-3.1,-1.1,35,-0.174
736.8,2143,81,92,23,17.87,59.5,13.789,-3.1,-3.9,35,-0.047
738.0,1930,81,92,25,17.94,58.7,13.766,-0.6,-3.5,35,-0.122
739.2,1885,81,92,28,12.98,10.6,13.734,-3.3,-4.7,35,-0.285
740.4,1531,81,93,30,2.68,12.1,13.691,-21.1,-13.3,35,-0.858
741.6,1275,81,93,30,2.68,13.4,13.680,-11.2,-13.3,35,0.097
742.8,1257,81,93,31,2.58,12.2,13.667,-3.4,-13.3,35,2.050
744.0,1157,81,93,30,2.32,14.0,13.612,-58.4,-13.3,35,2.148
745.2,819,81,93,24,2.35,21.6,13.613,-58.5,-13.3,35,2.364
746.4,819,81,93,24,2.40,21.6,13.613,-39.4,-13.3,35,1.992
747.6,806,81,93,19,2.40,20.2,13.609,0.0,-13.3,35,-0.313
748.8,789,81,93,12,2.39,19.6,13.476,-2.9,-13.3,35,-0.287
750.0,750,81,93,5,4.61,21.2,13.504,-3.9,-12.3,35,-0.235
751.2,1324,81,93,5,7.78,36.8,13.554,-1.6,-7.0,35,0.078
752.4,1779,81,93,6,8.76,52.6,13.636,-0.2,-6.7,35,0.063
753.6,1925,81,92,12,12.90,61.6,13.703,0.6,-6.3,35,0.027
754.8,1928,81,92,14,14.86,51.6,13.750,0.0,-6.3,35,-0.137
756.0,1705,81,92,18,7.46,48.2,13.750,0.0,-10.7,35,0.135
757.2,1359,81,92,20,14.06,54.1,13.585,3.5,-9.5,35,0.246
758.4,1729,81,92,21,20.05,65.2,13.451,7.8,-1.6,35,-0.074
759.6,1910,81,93,24,22.66,72.1,13.593,0.0,-1.1,35,-0.041
760.8,2176,81,93,28,24.27,71.9,13.684,0.0,-0.8,35,-0.016
762.0,2312,81,93,30,25.87,72.8,13.792,-0.0,-0.8,35,-0.016

763.2,2378,81,93,32,26.99,73.2,13.808,-0.8,-0.8,35,-0.016
764.4,2496,81,93,35,27.90,74.1,13.815,-1.0,-0.8,35,-0.016
765.6,2595,81,93,37,28.87,71.7,13.829,-1.6,-0.8,35,-0.023
766.8,2693,81,94,38,28.38,70.3,13.867,-2.1,-0.8,35,-0.021
768.0,2783,81,94,40,28.83,70.6,13.859,-2.1,-0.8,35,-0.016
769.2,2913,81,94,42,29.78,72.2,13.845,-1.6,-0.8,35,-0.004
770.4,2949,81,94,44,32.69,73.2,13.808,-2.0,-0.8,35,-0.015
771.6,3030,81,94,45,32.91,72.9,13.815,-2.8,-0.8,34,-0.025
772.8,3060,81,94,46,32.31,66.3,13.827,-3.9,-0.8,34,-0.012
774.0,2835,81,94,48,18.91,62.9,13.730,-3.4,-0.8,34,0.046
775.2,2317,81,95,47,21.27,71.8,13.745,-2.1,-0.8,34,0.071
776.4,2109,81,95,48,23.79,73.5,13.767,0.0,-0.8,34,-0.035
777.6,2016,81,95,48,22.88,75.7,13.730,-1.1,-0.8,34,-0.028
778.8,2060,81,95,47,22.91,77.9,13.720,-3.7,-0.8,34,0.007
780.0,2351,81,95,47,23.88,75.7,13.690,-5.7,-0.8,34,0.082
781.2,2354,81,96,47,26.59,76.0,13.613,-2.3,-0.8,34,0.021
782.4,2358,81,96,48,26.65,76.3,13.613,-2.0,-0.8,34,-0.019
783.6,2366,81,96,48,24.93,71.8,13.613,-1.9,-0.8,34,-0.027
784.8,2336,81,96,47,19.78,68.0,13.613,-8.6,-0.8,34,-0.001
786.0,2267,81,96,48,18.08,60.0,13.613,-3.3,-2.4,34,-0.024
787.2,2038,81,96,48,17.46,44.7,13.613,6.4,-6.3,34,-0.199
788.4,2043,81,96,47,20.18,48.2,13.613,14.8,-2.6,34,-0.175
789.6,2053,81,96,48,20.37,68.4,13.603,8.1,-0.8,34,-0.130
790.8,2087,81,96,48,15.43,47.8,13.607,-3.9,-1.7,34,-0.072
792.0,2065,81,96,48,4.06,28.1,13.651,-20.3,-13.3,34,-1.074
793.2,1937,81,96,48,3.50,11.3,13.593,-7.1,-13.3,35,0.618
794.4,1735,81,96,47,2.80,8.2,13.585,0.0,-13.3,35,2.149
795.6,1678,81,96,47,7.77,9.0,13.583,0.0,-13.3,35,2.218
796.8,1962,81,95,46,23.03,34.5,13.632,0.0,-5.0,35,0.835
798.0,2287,81,95,46,22.98,70.8,13.632,1.1,-0.8,35,-0.111
799.2,2332,81,95,46,23.88,72.9,13.632,2.3,-0.8,35,-0.051
800.4,2347,81,95,47,25.68,72.3,13.632,2.3,-0.8,35,-0.051
801.6,2371,81,95,48,27.74,72.8,13.646,1.9,-0.8,35,-0.062
802.8,2402,81,95,48,27.71,76.1,13.644,0.7,-0.8,35,-0.063
804.0,2413,81,95,48,27.68,76.1,13.635,-0.8,-0.8,35,-0.020
805.2,2414,81,95,49,27.71,76.1,13.652,-1.6,-0.8,35,-0.009
806.4,2416,81,95,50,27.71,76.1,13.662,-1.6,-0.8,35,-0.002
807.6,2428,81,95,50,27.84,76.4,13.664,-1.8,-0.8,34,-0.008
808.8,2432,81,95,50,28.28,76.1,13.632,-3.1,-0.8,34,-0.003
810.0,2438,81,95,49,28.12,75.4,13.661,-2.5,-0.8,34,-0.005
811.2,2462,81,95,50,27.99,76.9,13.691,-1.6,-0.8,34,-0.020
812.4,2473,81,95,50,27.95,76.4,13.691,-1.6,-0.8,34,-0.010
813.6,2490,81,95,50,28.11,75.4,13.737,-1.6,-0.8,34,-0.005
814.8,2516,81,95,51,27.89,73.3,13.781,-1.6,-0.8,34,-0.010
816.0,2535,81,95,51,26.01,68.0,13.806,-1.6,-0.8,34,-0.027
817.2,2515,81,95,52,16.15,61.8,13.769,-12.7,-0.8,34,0.075
818.4,2442,81,95,53,17.68,56.8,13.779,-9.7,-0.8,34,0.138
819.6,2275,81,95,53,19.54,60.8,13.793,2.2,-0.8,34,0.023

820.8,2295,81,96,53,21.29,52.9,13.808,1.6,-0.8,34,-0.078
822.0,2291,81,96,54,4.54,39.2,13.808,-10.7,-7.0,34,-0.335
823.2,2236,81,96,53,6.78,17.3,13.802,-16.3,-12.4,34,-0.651
824.4,2310,81,96,53,10.28,38.2,13.789,-6.3,-7.0,34,0.105
825.6,2336,81,96,52,24.31,61.2,13.789,2.6,-3.9,34,0.034
826.8,2269,81,96,53,24.83,75.7,13.806,4.8,-0.8,34,-0.047
828.0,2307,81,96,53,25.36,76.5,13.828,-2.1,-0.8,34,-0.012
829.2,2331,81,96,54,25.40,69.8,13.828,-6.3,-0.8,34,0.014
830.4,2344,81,96,55,11.32,55.7,13.803,-13.3,-6.7,34,-0.562
831.6,2330,81,96,55,11.02,35.7,13.789,-13.5,-10.7,34,-1.153
832.8,2462,81,96,54,16.52,47.5,13.789,-3.5,-4.0,34,-0.055
834.0,2343,81,96,54,14.22,40.4,13.789,-6.3,-4.7,34,0.031
835.2,2189,81,96,53,4.39,27.7,13.828,-15.9,-10.0,34,-0.169
836.4,2065,81,96,52,5.05,12.9,13.807,-8.0,-13.3,35,-0.348
837.6,2136,81,96,51,6.81,18.0,13.783,5.1,-12.2,35,-0.353
838.8,2089,81,96,50,9.64,37.7,13.769,0.8,-6.3,35,-0.215
840.0,2055,81,96,48,16.94,57.7,13.769,-0.8,-4.5,35,-0.143
841.2,2050,81,96,48,18.56,66.7,13.778,-1.9,-2.1,35,-0.008
842.4,2063,81,96,48,22.07,69.2,13.808,0.0,-0.8,35,-0.012
843.6,2081,81,96,48,22.81,72.8,13.798,-1.1,-0.8,35,-0.011
844.8,2110,81,96,49,17.67,71.0,13.779,-3.8,-2.4,35,-0.104
846.0,2076,81,96,49,6.85,48.2,13.751,-10.2,-13.3,35,-1.812
847.2,2089,81,96,50,8.81,28.9,13.769,-10.6,-10.3,35,-0.873
848.4,2167,81,96,48,15.25,36.5,13.777,-6.4,-5.9,35,0.062
849.6,2105,81,96,49,17.04,60.6,13.789,0.9,-1.6,35,-0.035
850.8,2146,81,96,49,3.62,68.8,13.789,-10.2,-14.1,35,-0.955
852.0,2215,81,96,50,15.48,67.5,13.789,-6.4,-9.2,35,-1.019
853.2,2385,81,96,50,18.34,45.1,13.785,-3.6,-0.8,35,-0.043
854.4,2296,81,96,51,6.32,41.7,13.769,-21.1,-7.9,35,-0.073
855.6,2226,81,96,52,17.35,42.6,13.781,-7.1,-6.2,35,-0.073
856.8,2294,81,96,53,23.64,72.9,13.783,3.4,-0.8,34,-0.041
858.0,2359,81,96,54,26.73,70.8,13.769,-0.8,-0.8,34,-0.023
859.2,2407,81,97,56,18.29,62.0,13.688,-5.0,-5.6,34,-0.405
860.4,2336,81,97,56,9.61,11.4,13.628,-8.4,-13.3,34,-1.088
861.6,2282,81,96,57,4.70,9.8,13.671,0.0,-13.3,34,2.085
862.8,2347,81,96,57,22.94,19.0,13.646,0.0,-7.5,35,1.203
864.0,2646,81,96,57,20.83,63.1,13.632,-4.5,-1.6,35,-0.187
865.2,2531,81,96,57,17.57,65.3,13.632,-21.1,-7.0,35,-0.000
866.4,2429,81,96,57,25.80,68.6,13.644,-8.8,-4.3,35,-0.014
867.6,2442,81,96,57,25.59,71.8,13.646,1.0,-0.8,34,-0.040
868.8,2450,81,96,58,24.84,70.1,13.632,-3.1,-0.8,34,-0.016
870.0,2445,81,96,57,18.78,62.3,13.619,-9.8,-0.8,34,0.012
871.2,2420,81,96,57,12.08,39.2,13.620,-16.1,-2.5,34,-0.008
872.4,2288,81,96,56,4.08,23.8,13.633,-20.2,-13.3,34,-0.723
873.6,2253,81,96,55,3.81,24.0,13.652,0.0,-13.8,34,0.946
874.8,2322,81,96,51,15.52,59.2,13.652,1.8,-9.9,35,1.583
876.0,2263,81,96,51,22.76,61.7,13.652,4.3,-0.8,35,-0.246
877.2,2201,81,96,50,18.98,62.4,13.652,-3.1,-0.8,35,-0.109

878.4,2092,81,96,49,20.75,60.8,13.632,-0.7,-0.8,34,0.002
879.6,2075,81,96,49,22.50,72.4,13.587,1.7,-0.8,34,0.007
880.8,2080,81,96,49,23.46,75.2,13.496,-1.6,-0.8,34,-0.020
882.0,2083,81,96,49,21.85,72.2,13.583,-5.8,-0.8,34,0.005
883.2,2080,81,96,48,20.17,57.6,13.652,-9.4,-0.9,34,0.066
884.4,2076,81,96,48,18.45,55.7,13.652,-1.6,-1.6,34,-0.094
885.6,2071,81,96,48,15.92,49.6,13.640,-4.6,-3.9,34,-0.085
886.8,2065,81,96,48,13.36,21.2,13.626,-8.6,-6.4,34,-0.036
888.0,2031,81,96,48,10.34,40.3,13.614,-13.1,-7.0,34,0.215
889.2,2030,81,96,48,12.60,47.2,13.632,-3.1,-7.0,34,0.048
890.4,2028,81,96,47,12.28,38.2,13.622,-1.6,-7.0,34,-0.032
891.6,2032,81,96,47,12.34,44.7,13.638,-0.2,-7.0,34,0.058
892.8,2038,81,96,47,12.79,39.0,13.730,-1.6,-7.0,34,-0.141
894.0,2046,81,96,47,3.42,33.8,13.763,-11.0,-9.8,34,-0.209
895.2,2055,81,96,48,9.37,75.7,13.793,-17.6,-12.6,34,-0.328
896.4,2233,81,96,48,25.50,70.9,13.808,2.3,-0.8,34,-0.066
897.6,2395,81,95,49,11.53,62.4,13.808,-10.1,-3.5,34,-0.086
898.8,2272,81,95,50,13.44,33.7,13.802,-14.7,-6.4,34,-0.124
900.0,2215,81,96,51,15.47,33.2,13.788,3.8,-3.9,34,-0.094
901.2,2207,81,96,51,8.09,36.1,13.769,-18.0,-8.4,34,0.029
902.4,2249,81,96,52,9.20,36.9,13.769,-9.0,-9.4,34,-0.131
903.6,2348,81,96,53,18.03,24.3,13.805,0.4,-6.2,34,-0.355
904.8,2591,81,96,54,21.33,62.0,13.837,3.2,-1.4,34,-0.113
906.0,2483,81,96,54,7.65,48.4,13.789,-21.1,-13.3,34,-0.431
907.2,2489,81,96,55,20.82,36.3,13.815,-5.5,-6.6,34,-0.323
908.4,2698,81,96,57,17.53,63.1,13.813,-3.3,-3.9,34,-0.132
909.6,2527,81,96,58,7.97,33.4,13.790,-20.3,-12.5,34,-0.480
910.8,2487,81,96,59,5.12,13.0,13.828,-6.2,-13.0,34,1.024
912.0,2421,81,96,60,3.97,8.2,13.818,0.0,-13.3,34,2.255
913.2,2417,81,96,60,3.19,8.6,13.804,0.0,-13.3,34,2.327
914.4,2418,81,96,60,3.20,12.0,13.789,0.0,-13.3,34,2.369
915.6,2432,81,95,60,8.13,18.4,13.806,1.3,-10.7,34,1.913
916.8,2779,81,95,60,11.75,32.9,13.827,3.9,-3.1,34,-0.254
918.0,2701,81,95,60,4.43,36.1,13.808,1.7,-8.2,34,0.758
919.2,2494,81,95,61,5.84,8.6,13.808,0.5,-12.3,34,1.945
920.4,2648,81,95,61,7.75,26.3,13.808,2.3,-7.0,34,-0.203
921.6,2734,81,95,61,4.53,45.8,13.820,1.2,-9.6,35,0.471
922.8,2467,81,95,61,4.10,8.6,13.823,0.0,-13.3,35,1.977
924.0,2419,81,95,60,3.16,8.4,13.808,0.0,-13.3,35,2.382
925.2,2350,81,94,59,2.87,8.1,13.750,0.0,-13.3,35,2.408
926.4,2270,81,94,58,2.75,7.8,13.750,0.0,-13.3,35,2.432
927.6,2161,81,94,57,2.63,7.8,13.755,0.0,-13.3,35,2.426
928.8,2116,81,94,55,2.54,7.8,13.789,0.0,-13.3,35,2.438
930.0,2123,81,94,53,2.42,17.2,13.789,0.0,-12.6,35,1.706
931.2,2276,81,94,52,8.59,58.0,13.789,-0.4,-10.4,35,0.380
932.4,2229,81,93,52,16.28,32.8,13.789,-1.6,-4.7,35,-0.441
933.6,2206,81,93,52,3.84,11.8,13.789,0.0,-9.4,35,0.524
934.8,2146,81,93,51,3.33,11.8,13.789,0.0,-13.3,35,1.692

936.0,2116,81,93,51,2.50,9.7,13.789,0.0,-13.3,35,2.369
937.2,2084,81,93,50,2.46,7.5,13.742,0.0,-13.3,35,2.388
938.4,2039,81,93,50,2.42,7.8,13.715,0.0,-13.3,35,2.423
939.6,1895,81,93,49,2.32,8.1,13.730,0.0,-13.3,35,2.432
940.8,1774,81,93,47,2.31,9.5,13.753,0.0,-13.6,35,2.445
942.0,1871,81,93,47,4.10,23.9,13.769,1.1,-14.0,35,2.364
943.2,1898,81,92,46,7.51,19.2,13.769,6.3,-13.3,35,-0.563
944.4,1924,81,92,46,4.90,11.5,13.759,3.3,-13.3,35,0.202
945.6,1899,81,92,46,2.93,7.8,13.742,0.0,-13.3,35,2.215
946.8,1837,81,92,45,2.26,8.2,13.710,0.0,-13.3,35,2.351
948.0,1737,81,91,44,2.26,8.7,13.710,0.0,-13.3,35,2.430
949.2,1474,81,91,40,2.24,10.2,13.704,0.0,-13.3,35,2.446
950.4,1399,81,91,36,2.26,10.8,13.691,0.0,-13.3,35,2.464
951.6,1541,81,91,34,15.01,22.9,13.731,0.0,-6.3,35,1.468
952.8,2033,81,91,32,19.79,76.5,13.767,2.6,-0.8,35,0.191
954.0,2126,81,91,33,24.01,77.1,13.789,6.2,-0.8,35,-0.324
955.2,2125,81,91,34,23.73,77.4,13.789,-0.8,-0.8,35,-0.106
956.4,2135,81,91,37,24.46,77.3,13.825,-0.8,-0.8,35,0.001
957.6,2171,81,91,38,24.67,75.7,13.853,-1.4,-0.8,35,-0.021
958.8,2184,81,91,38,24.54,76.8,13.867,-3.1,-0.8,35,-0.008
960.0,2203,81,92,39,25.78,77.9,13.807,-2.7,-0.8,35,-0.011
961.2,2235,81,92,40,26.07,77.6,13.787,-2.3,-0.8,34,-0.017
962.4,2249,81,92,40,26.50,78.2,13.828,-2.3,-0.8,34,-0.027
963.6,2261,81,93,41,26.14,78.6,13.769,-2.3,-0.8,34,-0.022
964.8,2266,81,93,42,26.21,77.3,13.777,-2.3,-0.8,34,-0.012
966.0,2269,81,93,42,26.34,77.6,13.808,-2.3,-0.8,34,-0.005
967.2,2272,81,93,42,26.10,77.9,13.798,-2.3,-0.8,34,-0.004
968.4,2272,81,93,42,26.22,76.9,13.789,-2.3,-0.8,34,-0.016
969.6,2279,81,94,42,26.76,77.6,13.789,-2.3,-0.8,34,-0.019
970.8,2286,81,94,42,25.95,78.5,13.815,-2.3,-0.8,34,-0.012
972.0,2291,81,94,42,26.15,79.2,13.814,-2.1,-0.8,34,-0.001
973.2,2290,81,94,43,26.33,78.3,13.789,-1.6,-0.8,34,-0.012
974.4,2287,81,95,43,25.72,77.1,13.789,-2.1,-0.8,33,-0.012
975.6,2282,81,95,43,25.59,75.7,13.779,-2.0,-0.8,33,-0.020
976.8,2263,81,95,43,24.66,66.9,13.769,-1.2,-0.8,33,-0.043
978.0,2157,81,95,43,22.17,64.5,13.769,2.3,-0.8,33,-0.019
979.2,1991,81,95,43,13.34,70.2,13.416,-2.1,-4.5,33,-0.313
980.4,1745,81,95,43,3.27,35.5,12.892,-10.2,-13.3,34,-1.574
981.6,1604,81,96,42,2.29,12.5,13.593,-3.2,-13.3,34,0.045
982.8,1354,81,96,40,2.31,11.4,13.593,0.0,-13.3,34,1.649
984.0,1153,81,96,38,2.33,13.2,13.592,0.0,-13.3,34,2.074
985.2,1207,81,96,36,2.39,13.5,13.574,0.0,-13.3,34,0.878
986.4,1245,81,96,34,2.43,12.6,13.565,-3.2,-13.3,34,-0.024
987.6,1080,81,96,31,2.46,14.9,13.550,-7.8,-13.3,35,-0.406
988.8,1001,81,96,28,2.48,16.5,13.515,-7.0,-13.3,35,-0.327
990.0,917,81,95,23,2.54,19.2,13.525,-6.0,-13.3,35,-0.244
991.2,1050,81,95,21,2.57,16.1,13.548,-3.8,-13.3,35,-0.176
992.4,1061,81,95,20,2.69,15.9,13.593,1.6,-13.3,35,-0.145

993.6,1402,81,95,19,19.14,30.8,13.661,5.5,-6.2,35,-0.133
994.8,1999,81,95,22,17.58,69.0,13.448,2.1,-4.3,35,-0.247
996.0,1543,81,95,23,14.47,33.7,13.177,-8.5,-13.3,35,-0.758
997.2,1564,81,94,25,8.17,12.9,13.769,-6.3,-13.3,35,-0.362
998.4,1587,81,94,26,5.57,12.9,13.737,-4.1,-13.3,35,0.394
999.6,1466,81,94,26,2.62,12.0,13.691,0.0,-13.3,35,1.750
1000.8,1342,81,94,25,2.35,12.3,13.691,0.0,-13.3,35,2.089
1002.0,1104,81,94,22,2.39,14.6,13.671,0.0,-13.3,35,2.343
1003.2,812,81,94,14,2.47,18.8,13.652,-0.2,-13.3,35,2.362
1004.4,890,81,94,14,2.59,18.3,13.652,-1.6,-13.3,35,-0.406
1005.6,989,81,94,11,2.54,17.3,13.652,-1.6,-13.3,35,-0.370
1006.8,1010,81,94,11,2.51,16.7,13.652,-1.5,-13.3,35,-0.227
1008.0,1361,81,94,11,2.53,36.1,13.652,-0.8,-14.1,35,-0.263
1009.2,1818,81,94,12,13.30,70.6,13.708,2.2,-9.3,35,-0.295
1010.4,2174,81,94,15,23.25,70.6,13.764,6.1,-0.8,35,-0.324
1011.6,2353,81,94,19,26.56,66.7,13.730,2.3,-0.8,35,-0.312
1012.8,2396,81,94,23,22.15,55.6,13.763,0.9,-2.0,35,-0.287
1014.0,1851,81,94,26,15.41,18.0,13.772,-2.6,-4.3,35,-0.248
1015.2,1600,81,94,28,7.88,34.8,13.730,-10.9,-10.2,35,0.141
1016.4,1397,81,95,30,2.37,39.2,13.671,-15.7,-11.8,35,-0.025
1017.6,1257,81,95,31,2.40,12.9,13.664,-13.7,-13.3,35,-0.079
1018.8,1098,81,95,29,2.43,14.8,13.651,0.0,-13.3,35,2.116
1020.0,954,81,95,25,2.42,16.8,13.574,0.0,-13.3,35,2.218
1021.2,845,81,95,20,2.37,18.0,13.586,-0.2,-13.3,35,2.146
1022.4,828,81,95,17,4.07,18.5,13.621,-0.7,-13.3,35,-0.457
1023.6,1270,81,95,13,15.40,33.5,13.750,7.8,-6.6,35,-0.457
1024.8,1992,81,95,14,18.86,69.0,13.724,6.3,-1.8,35,-0.381
1026.0,2152,81,95,16,21.30,67.7,13.703,2.5,-0.9,35,-0.102
1027.2,2075,81,95,19,17.93,57.8,13.769,-9.4,-3.1,35,-0.046
1028.4,1844,81,95,22,9.51,41.4,13.748,-13.9,-6.9,35,-0.123
1029.6,1418,81,95,23,4.25,12.9,13.717,-16.8,-13.3,35,-0.309
1030.8,1360,81,95,23,2.70,12.8,13.671,0.0,-13.3,35,2.162
1032.0,1272,81,95,22,2.51,12.5,13.656,0.0,-13.3,35,2.191
1033.2,1218,81,95,21,2.31,13.0,13.632,0.0,-13.3,35,2.335
1034.4,1129,81,95,20,2.32,13.9,13.632,0.0,-13.3,35,2.364
1035.6,990,81,95,18,2.37,15.9,13.619,0.0,-13.3,35,2.394
1036.8,829,81,95,14,2.41,19.5,13.583,0.0,-13.3,35,1.682
1038.0,921,81,95,12,2.46,17.6,13.554,-1.1,-13.3,35,-0.361
1039.2,908,81,95,10,2.58,18.5,13.556,-4.7,-13.3,35,-0.316
1040.4,1071,81,95,10,3.09,29.2,13.593,-3.5,-13.8,35,-0.277
1041.6,1428,81,95,11,11.55,51.9,13.651,1.2,-9.7,35,-0.266
1042.8,2039,81,95,13,18.19,64.3,13.707,6.7,-1.6,35,-0.309
1044.0,2208,81,95,17,18.14,66.1,13.691,0.8,-1.1,35,-0.101
1045.2,2550,81,95,21,24.18,69.4,13.721,0.1,-0.8,35,0.032
1046.4,2961,81,95,25,30.77,65.5,13.750,-0.7,-0.8,35,-0.090
1047.6,3152,81,95,30,36.12,41.3,13.750,0.0,-0.8,35,-0.754
1048.8,3027,81,95,34,12.73,17.9,13.763,-6.5,-4.1,35,-0.351
1050.0,2253,81,96,35,8.40,22.0,13.724,-12.8,-8.5,35,0.139

1051.2,1386,81,96,35,3.87,12.5,13.655,-17.1,-13.3,35,-0.043
1052.4,1564,81,96,35,6.84,23.9,13.710,0.0,-6.8,35,0.051
1053.6,2050,81,96,35,13.63,76.9,13.677,0.6,-0.8,35,0.157
1054.8,2110,81,96,36,24.57,76.5,13.593,3.1,-0.8,35,-0.023
1056.0,2169,81,96,37,24.61,76.2,13.554,1.4,-0.8,35,-0.022
1057.2,2207,81,96,39,24.96,77.3,13.564,-0.1,-0.8,35,-0.020
1058.4,2233,81,96,40,25.69,77.4,13.593,-0.8,-0.8,35,-0.008
1059.6,2262,81,96,42,25.41,77.4,13.593,-1.2,-0.8,35,-0.012
1060.8,2294,81,96,44,25.76,76.1,13.602,-1.6,-0.8,35,-0.020
1062.0,2314,81,96,44,26.51,76.3,13.632,-1.6,-0.8,35,-0.012
1063.2,2340,81,96,44,26.92,76.6,13.620,-2.0,-0.8,35,-0.009
1064.4,2367,81,96,48,27.11,76.9,13.613,-2.3,-0.8,35,-0.003
1065.6,2390,81,96,48,27.40,77.8,13.615,-2.3,-0.8,34,-0.000
1066.8,2414,81,96,49,27.64,78.6,13.632,-1.6,-0.8,34,-0.006
1068.0,2439,81,96,49,28.12,79.2,13.632,-1.6,-0.8,34,-0.012
1069.2,2459,81,96,49,28.51,78.1,13.634,-1.6,-0.8,34,-0.012
1070.4,2472,81,97,49,28.51,77.1,13.652,-1.6,-0.8,34,-0.010
1071.6,2480,81,96,50,26.76,76.1,13.623,-2.9,-0.8,34,-0.026
1072.8,2391,81,96,50,25.99,67.1,13.600,-3.3,-0.8,34,-0.098
1074.0,2341,81,97,50,27.73,68.7,13.632,7.0,-0.8,34,-0.098
1075.2,2332,81,97,51,28.82,77.2,13.621,2.7,-0.8,34,-0.071
1076.4,2549,81,97,52,29.39,79.6,13.631,-1.6,-0.8,34,-0.012
1077.6,2562,81,97,52,29.37,78.7,13.691,-1.6,-0.8,34,-0.012
1078.8,2581,81,97,53,30.24,77.3,13.659,-1.9,-0.8,34,-0.016
1080.0,2624,81,97,53,30.19,78.0,13.639,-2.6,-0.8,34,-0.027
1081.2,2624,81,97,54,29.98,74.0,13.671,-4.7,-0.8,34,-0.032
1082.4,2611,81,98,55,25.40,64.5,13.652,-7.2,-2.4,34,-0.120
1083.6,2414,81,98,56,18.45,12.9,13.628,-10.9,-5.5,34,-0.367
1084.8,2379,81,98,56,4.67,13.2,13.593,-21.1,-10.3,34,-0.322
1086.0,2315,81,98,55,16.80,14.1,13.617,-12.1,-10.0,34,-0.238
1087.2,2574,81,98,56,29.24,48.9,13.656,7.0,-0.8,34,-0.047
1088.4,2650,81,97,57,30.02,77.2,13.789,3.2,-0.8,34,-0.032
1089.6,2507,81,97,58,29.38,76.9,13.789,1.0,-0.8,34,-0.012
1090.8,2525,81,98,59,28.43,76.7,13.789,1.6,-0.8,34,-0.008
1092.0,2540,81,98,60,27.53,75.9,13.779,1.2,-0.8,34,-0.016
1093.2,2527,81,98,59,25.84,66.7,13.769,1.0,-0.8,34,-0.035
1094.4,2513,81,98,59,23.10,62.7,13.769,3.9,-0.8,34,-0.009
1095.6,2493,81,98,58,22.13,58.0,13.680,4.7,-0.8,34,0.012
1096.8,2471,81,98,58,23.40,68.2,13.613,4.8,-0.8,34,0.027
1098.0,2476,81,98,58,26.00,66.5,13.613,-0.8,-0.8,34,-0.020
1099.2,2481,81,98,58,23.55,64.6,13.638,-1.6,-0.8,34,-0.033
1100.4,2482,81,98,58,16.71,66.7,13.645,-6.9,-2.3,34,-0.109
1101.6,2434,81,98,58,9.79,47.2,13.632,-20.1,-8.6,34,-0.504
1102.8,2427,81,98,57,21.82,45.2,13.632,7.8,-3.5,34,-0.208
1104.0,2415,81,98,57,23.80,69.8,13.503,3.6,-0.8,34,-0.032
1105.2,2427,81,98,57,22.69,53.2,13.442,-3.1,-1.5,34,-0.145
1106.4,2419,81,98,57,16.38,31.8,13.632,-10.2,-7.0,34,-0.320
1107.6,2399,81,98,56,4.81,20.0,13.655,-15.5,-10.4,34,-0.161

1108.8,2362,81,98,55,12.16,51.4,13.666,-15.2,-12.3,34,0.092
1110.0,2526,81,98,55,26.11,62.5,13.652,6.3,-0.8,34,-0.047
1111.2,2577,81,98,55,27.13,72.9,13.652,1.5,-0.8,34,-0.038
1112.4,2401,81,98,56,23.05,74.9,13.645,-6.2,-1.4,34,-0.037
1113.6,2408,81,98,56,17.43,43.3,13.632,-19.5,-4.7,34,-0.199
1114.8,2351,81,98,57,4.23,12.5,13.657,-8.8,-8.8,34,0.764
1116.0,2187,81,98,56,3.58,8.2,13.657,0.0,-13.3,34,2.123
1117.2,2165,81,98,56,3.54,7.9,13.632,0.0,-13.3,34,2.207
1118.4,2342,81,98,55,6.75,19.5,13.632,0.0,-8.8,34,0.695
1119.6,2498,81,97,56,4.87,31.1,13.657,-4.9,-10.1,34,-0.225
1120.8,2412,81,97,57,4.77,12.9,13.656,-8.4,-13.3,34,-0.112
1122.0,2357,81,97,57,4.39,12.3,13.630,-7.8,-13.3,34,0.668
1123.2,2332,81,97,57,3.01,11.1,13.613,-2.9,-13.3,34,1.450
1124.4,2349,81,96,58,2.97,8.6,13.626,0.0,-13.3,35,2.373
1125.6,2363,81,96,59,2.94,8.6,13.652,0.0,-13.3,35,2.409
1126.8,2380,81,96,59,3.12,9.0,13.652,0.0,-13.3,35,2.423
1128.0,2403,81,96,60,5.63,12.2,13.658,0.5,-12.4,35,2.172
1129.2,2552,81,96,61,8.71,15.9,13.670,2.3,-7.8,35,-0.332
1130.4,2630,81,95,61,4.50,18.5,13.652,0.8,-10.7,35,0.782
1131.6,2466,81,95,61,3.91,9.8,13.652,0.0,-13.5,35,2.232
1132.8,2601,81,95,61,6.72,36.7,13.652,-0.1,-14.1,35,2.316
1134.0,2677,81,95,60,23.48,58.0,13.652,-2.3,-0.8,35,1.143
1135.2,2814,81,95,60,25.44,74.1,13.699,-2.3,-0.8,35,-0.086
1136.4,2681,81,94,60,28.13,74.5,13.789,-2.3,-0.8,35,-0.008
1137.6,2571,81,94,60,29.99,75.0,13.789,-1.2,-0.8,35,-0.012
1138.8,2568,81,94,60,27.92,76.1,13.786,-1.2,-0.8,34,-0.020
1140.0,2557,81,95,60,21.79,65.9,13.769,-21.1,-5.5,34,-0.144
1141.2,2539,81,95,60,20.68,48.0,13.780,-11.4,-3.8,34,-0.167
1142.4,2521,81,95,59,22.21,63.1,13.789,-3.5,-3.6,34,-0.185
1143.6,2478,81,95,59,21.36,28.2,13.790,-10.2,-13.3,34,-1.438
1144.8,2449,81,95,58,2.84,27.2,13.808,0.0,-13.3,34,0.494
1146.0,2404,81,95,57,10.83,56.5,13.800,-2.2,-10.3,34,1.591
1147.2,2457,81,95,57,15.96,49.3,13.790,-6.3,-3.1,34,-0.309
1148.4,2403,81,95,58,4.32,35.7,13.808,-2.2,-9.1,34,0.431
1149.6,2291,81,95,57,3.55,11.4,13.793,0.0,-13.3,34,1.367
1150.8,2081,81,95,56,2.62,9.4,13.768,0.0,-13.3,34,2.285
1152.0,2046,81,95,53,2.25,7.7,13.750,0.0,-13.3,34,2.319
1153.2,1992,81,95,52,3.57,7.5,13.767,0.0,-13.3,35,1.798
1154.4,2168,81,95,51,5.17,16.9,13.786,0.2,-13.3,35,-0.051
1155.6,2128,81,95,50,6.37,27.0,13.769,3.1,-9.4,35,-0.221
1156.8,2075,81,94,49,3.73,34.3,13.783,-2.8,-11.6,35,-0.367
1158.0,2021,81,94,49,3.75,12.2,13.741,-4.2,-13.3,35,0.124
1159.2,1950,81,94,48,3.47,9.5,13.679,0.0,-13.3,35,2.382
1160.4,1968,81,94,46,2.28,29.4,13.750,0.0,-13.8,35,2.046
1161.6,2081,81,94,45,16.19,71.6,13.771,3.1,-9.1,35,1.176
1162.8,2363,81,94,46,26.01,76.1,13.789,6.1,-0.8,35,-0.316
1164.0,2409,81,94,47,27.71,76.9,13.789,1.6,-0.8,35,-0.120
1165.2,2477,81,94,48,28.80,78.4,13.737,0.8,-0.8,35,-0.005

1166.4,2562,81,94,51,29.31,78.4,13.739,-0.7,-0.8,35,-0.016
1167.6,2621,81,94,53,29.09,75.3,13.859,-3.0,-0.8,34,-0.012
1168.8,2700,81,94,55,29.65,72.6,13.789,-1.6,-0.8,34,-0.014
1170.0,2749,81,95,57,23.14,70.0,13.789,-7.9,-1.3,34,-0.015
1171.2,2585,81,95,59,16.36,30.6,13.785,-16.8,-3.1,34,-0.012
1172.4,2543,81,95,61,11.93,21.3,13.769,-14.1,-13.3,34,-0.035
1173.6,2637,81,95,62,27.47,26.0,13.808,-3.0,-6.3,34,-0.180
1174.8,2893,81,95,63,28.26,69.0,13.808,2.0,-0.8,34,-0.288
1176.0,2775,81,95,64,26.20,68.7,13.800,-3.9,-1.2,34,-0.129
1177.2,2802,81,95,65,17.60,39.8,13.772,-18.8,-7.0,34,-0.459
1178.4,2797,81,95,66,4.65,10.6,13.828,-7.3,-10.3,34,0.620
1179.6,2727,81,95,67,4.10,9.0,13.819,0.0,-13.3,34,2.230
1180.8,2716,81,95,66,3.52,8.6,13.808,0.0,-13.3,34,2.336
1182.0,2692,81,95,66,3.50,8.6,13.808,0.0,-13.3,34,2.382
1183.2,2658,81,94,65,9.12,8.8,13.808,0.4,-13.3,34,1.628
1184.4,2619,81,94,65,7.58,11.4,13.808,0.7,-13.3,35,-0.359
1185.6,2594,81,94,64,3.31,13.1,13.808,0.0,-13.3,35,1.587
1186.8,2604,81,94,63,6.51,18.6,13.797,0.8,-11.4,35,1.474
1188.0,2801,81,94,62,14.82,50.2,13.794,1.6,-8.3,35,-0.355
1189.2,2751,81,94,62,25.41,52.4,13.808,1.6,-0.8,35,-0.254
1190.4,2684,81,94,62,12.98,51.1,13.796,0.8,-6.4,35,0.338
1191.6,2601,81,94,63,9.56,11.4,13.794,0.0,-13.3,34,1.262
1192.8,2581,81,94,63,3.40,10.1,13.808,0.0,-13.3,34,1.995
1194.0,2574,81,94,63,3.33,13.4,13.794,0.0,-13.3,35,2.363
1195.2,2658,81,94,63,16.93,30.6,13.799,2.6,-8.2,35,1.481
1196.4,2957,81,94,64,23.86,65.1,13.802,1.7,-2.9,35,-0.502
1197.6,2811,81,93,65,18.68,36.8,13.790,-10.9,-13.3,35,-1.644
1198.8,2699,81,93,66,3.56,10.6,13.808,-4.4,-13.3,35,0.076
1200.0,2683,81,93,66,3.55,9.0,13.801,0.0,-13.3,35,2.281
1201.2,2616,81,93,65,3.51,8.8,13.789,0.0,-13.3,35,2.414
1202.4,2584,81,93,64,3.35,8.6,13.789,0.0,-13.3,35,2.439
1203.6,2516,81,93,63,3.30,8.6,13.789,0.0,-13.3,35,2.469
1204.8,2487,81,93,62,3.22,8.6,13.789,0.0,-13.3,35,2.479
1206.0,2439,81,93,61,3.15,8.5,13.762,0.0,-13.3,35,2.484
1207.2,2375,81,92,59,3.01,8.2,13.742,0.0,-13.3,35,2.484
1208.4,2219,81,92,58,2.77,8.2,13.730,0.0,-13.3,35,2.464
1209.6,2053,81,92,56,2.39,8.2,13.730,0.0,-13.3,35,2.454
1210.8,1887,81,92,50,2.35,8.2,13.721,0.0,-13.3,35,2.452
1212.0,1794,81,92,49,2.32,8.4,13.712,0.0,-13.3,35,2.476
1213.2,1744,81,91,47,2.39,8.9,13.730,0.0,-13.3,35,2.472
1214.4,1667,81,91,46,2.34,9.4,13.718,0.0,-13.3,35,2.477
1215.6,1659,81,91,45,4.79,9.4,13.733,0.0,-12.1,35,2.092
1216.8,2131,81,91,44,9.34,40.2,13.769,-0.4,-8.6,35,0.270
1218.0,2056,81,91,45,15.35,53.9,13.769,-6.3,-6.3,35,-0.062
1219.2,1961,81,91,45,10.42,37.2,13.757,-7.1,-9.6,35,-0.265
1220.4,1951,81,91,47,6.28,12.2,13.730,-5.8,-13.3,35,-0.014
1221.6,1870,81,91,46,4.19,10.1,13.697,0.0,-13.3,35,2.090
1222.8,2026,81,91,45,7.54,28.5,13.769,0.0,-8.7,35,0.850

1224.0,2183,81,91,44,17.72,63.2,13.563,0.9,-4.1,35,0.019
1225.2,2000,81,91,45,15.43,34.9,13.535,-4.2,-2.8,35,-0.281
1226.4,1998,81,91,46,3.71,24.4,13.750,-21.1,-13.3,35,-0.488
1227.6,1991,81,91,47,3.65,11.7,13.750,-8.8,-13.3,35,0.763
1228.8,1977,81,91,47,3.01,7.5,13.750,0.0,-13.4,35,2.323
1230.0,1968,81,91,47,2.44,10.6,13.750,0.0,-14.1,35,2.078
1231.2,2021,81,91,48,3.81,14.1,13.750,0.0,-14.1,35,1.054
1232.4,2102,81,91,48,5.21,17.3,13.750,1.8,-13.8,35,0.038
1233.6,2112,81,91,49,5.90,11.4,13.750,4.4,-13.3,35,-0.477
1234.8,2125,81,91,50,3.81,10.0,13.750,0.0,-13.3,35,1.047
1236.0,2142,81,91,51,3.12,7.8,13.750,0.0,-13.3,35,2.160
1237.2,2159,81,91,51,2.54,7.8,13.750,0.0,-13.3,35,2.434
1238.4,2165,81,91,52,2.46,7.8,13.750,0.0,-13.3,35,2.442
1239.6,2169,81,91,52,2.56,7.8,13.750,0.0,-13.3,35,2.445
1240.8,2162,81,91,52,2.55,7.8,13.750,0.0,-13.3,35,2.449
1242.0,2162,81,91,51,2.54,7.8,13.750,0.0,-13.3,35,2.480
1243.2,2146,81,90,51,2.57,7.8,13.750,0.0,-13.3,35,2.471
1244.4,2121,81,90,52,2.41,7.8,13.717,0.0,-13.3,35,2.466
1245.6,2096,81,90,51,2.35,7.8,13.707,0.0,-13.3,35,2.469
1246.8,2074,81,90,50,2.39,7.6,13.750,0.0,-13.3,35,2.464
1248.0,2038,81,90,49,2.29,7.4,13.703,0.0,-13.3,35,2.471
1249.2,1996,81,89,48,2.28,7.1,13.691,0.0,-13.3,35,2.475
1250.4,1967,81,89,48,2.27,7.5,13.694,0.0,-13.3,35,2.469
1251.6,1971,81,89,47,2.21,7.5,13.730,0.0,-13.3,35,2.463
1252.8,1978,81,89,47,2.22,7.5,13.717,0.0,-13.3,36,2.457
1254.0,1871,81,89,47,2.24,8.2,13.691,0.0,-13.3,36,2.457
1255.2,1719,81,89,46,2.28,8.9,13.691,0.0,-13.3,36,2.487
1256.4,1544,81,89,45,2.25,9.7,13.678,0.0,-13.3,36,2.504
1257.6,1371,81,89,40,2.26,11.8,13.664,0.0,-13.3,36,2.468
1258.8,1138,81,89,37,2.29,14.0,13.649,0.0,-13.3,36,2.258
1260.0,996,81,89,30,2.37,16.5,13.613,0.0,-13.3,36,0.913
1261.2,1132,81,89,22,10.72,25.9,13.686,4.4,-9.4,36,0.061
1262.4,1865,81,89,21,17.32,69.0,13.754,7.0,-4.2,36,0.031
1263.6,2125,81,89,24,21.30,71.7,13.792,5.2,-0.8,35,-0.133
1264.8,2034,81,88,27,23.62,58.8,13.808,2.3,-0.8,35,-0.070
1266.0,1871,81,89,29,17.97,20.8,13.763,4.0,-1.5,35,-0.015
1267.2,1747,81,89,30,14.54,48.0,13.710,7.0,-3.1,35,0.023
1268.4,1709,81,89,32,17.73,68.1,13.710,8.7,-2.6,35,0.043
1269.6,1631,81,89,33,8.67,73.8,13.710,1.3,-5.9,35,-0.388
1270.8,1481,81,89,34,2.68,12.5,13.710,-9.1,-13.3,35,-1.914
1272.0,1466,81,90,35,2.75,11.7,13.710,0.0,-13.3,35,0.636
1273.2,1439,81,90,34,2.50,10.6,13.669,0.0,-13.3,35,2.103
1274.4,1383,81,90,34,2.33,11.0,13.632,0.0,-13.3,35,2.313
1275.6,1356,81,90,33,2.29,11.3,13.632,0.0,-13.3,35,2.367
1276.8,1294,81,90,33,2.32,11.8,13.632,0.0,-13.3,35,2.417
1278.0,952,81,90,29,2.42,16.5,13.622,0.0,-13.3,35,2.445
1279.2,926,81,89,24,2.62,17.5,13.574,0.0,-13.3,35,1.434
1280.4,885,81,90,16,2.43,19.2,13.574,1.3,-13.3,35,0.413

1281.6,833,81,90,11,2.37,18.8,13.560,1.4,-13.3,35,-0.395
1282.8,823,81,90,8,2.42,18.3,13.537,-0.8,-13.3,35,-0.328
1284.0,827,81,90,6,2.54,18.7,13.574,0.0,-13.3,35,-0.264
1285.2,845,81,90,4,2.63,20.4,13.565,0.0,-13.5,35,-0.211
1286.4,1559,81,90,5,5.80,36.0,13.566,0.1,-14.0,35,-0.289
1287.6,1873,81,90,6,20.06,48.7,13.671,2.3,-2.3,35,-0.289
1288.8,2442,81,90,12,20.86,59.2,13.732,3.7,-2.2,35,-0.288
1290.0,2272,81,90,14,22.10,65.2,13.867,8.6,-1.6,35,-0.094
1291.2,2231,81,90,18,23.17,71.8,13.787,2.7,-1.6,35,-0.034
1292.4,2433,81,91,21,22.58,73.7,13.743,-5.2,-1.6,35,0.042
1293.6,2326,81,91,23,21.93,71.0,13.730,-14.8,-1.6,35,0.063
1294.8,2295,81,91,26,23.06,69.4,13.769,-5.2,-1.6,35,-0.004
1296.0,2228,81,91,29,22.82,71.0,13.762,-3.4,-2.2,35,-0.098
1297.2,2222,81,91,31,21.84,66.8,13.747,-10.9,-3.9,35,-0.242
1298.4,2064,81,91,33,17.96,65.7,13.691,-3.8,-2.7,35,-0.132
1299.6,1724,81,92,34,17.91,72.9,13.691,0.3,-1.8,35,0.001
1300.8,1725,81,92,35,17.69,70.4,13.691,-1.1,-2.3,35,-0.031
1302.0,1728,81,93,37,17.09,66.7,13.691,-3.9,-2.8,35,-0.006
1303.2,1734,81,93,39,14.33,60.2,13.691,-9.1,-4.6,35,0.019
1304.4,1746,81,93,40,10.00,35.7,13.695,-16.4,-7.6,35,0.035
1305.6,1759,81,93,41,3.35,26.2,13.710,-21.1,-13.3,35,-0.351
1306.8,1769,81,93,42,3.35,12.2,13.710,-11.9,-13.3,35,0.207
1308.0,1747,81,93,42,3.03,9.0,13.705,0.0,-13.3,35,2.219
1309.2,1737,81,93,42,2.34,9.0,13.691,0.0,-13.3,35,2.264
1310.4,1723,81,93,42,2.33,9.0,13.703,0.0,-13.3,35,2.307
1311.6,1705,81,93,41,4.19,9.0,13.710,0.0,-12.9,35,2.232
1312.8,1835,81,93,42,7.23,23.6,13.710,0.0,-10.9,35,0.105
1314.0,1847,81,93,42,9.25,27.1,13.710,3.1,-9.8,35,-0.183
1315.2,1815,81,93,42,3.57,18.9,13.710,-0.2,-11.1,35,-0.330
1316.4,1833,81,93,42,3.49,12.5,13.710,-2.5,-13.3,35,-0.340
1317.6,1820,81,93,43,3.31,10.3,13.710,0.0,-13.3,35,1.559
1318.8,1804,81,93,43,2.32,8.2,13.667,0.0,-13.3,35,2.379
1320.0,1787,81,92,43,2.28,8.2,13.652,0.0,-13.3,35,2.415
1321.2,1757,81,92,42,2.30,8.6,13.646,0.0,-13.3,35,2.426
1322.4,1745,81,92,42,2.35,8.6,13.632,0.0,-13.3,35,2.426
1323.6,1730,81,92,42,2.17,8.6,13.632,0.0,-13.3,35,2.447
1324.8,1713,81,91,42,2.22,8.6,13.632,0.0,-13.3,35,2.460
1326.0,1689,81,91,41,2.27,8.9,13.632,0.0,-13.3,35,2.442
1327.2,1665,81,91,40,2.29,9.0,13.632,0.0,-13.3,35,2.456
1328.4,1645,81,91,39,2.29,9.1,13.632,0.0,-13.3,35,2.468
1329.6,1622,81,91,40,2.27,9.4,13.622,0.0,-13.3,35,2.477
1330.8,1565,81,91,39,2.28,9.8,13.613,0.0,-13.3,36,2.476
1332.0,1570,81,91,38,2.31,9.6,13.613,0.0,-13.3,36,2.468
1333.2,1578,81,91,39,2.26,9.4,13.613,0.0,-13.3,36,2.481
1334.4,1589,81,91,39,2.26,9.4,13.620,0.0,-13.3,36,2.495
1335.6,1596,81,91,39,2.24,9.4,13.632,0.0,-13.3,36,2.476
1336.8,1611,81,90,39,2.12,9.4,13.671,0.0,-13.3,36,2.479
1338.0,1629,81,90,39,2.22,9.4,13.671,0.0,-13.3,36,2.480

1339.2,1634,81,90,39,2.30,9.0,13.671,0.0,-13.3,36,2.480
1340.4,1623,81,90,39,2.28,9.1,13.671,0.0,-13.3,36,2.490
1341.6,1607,81,90,39,2.25,9.4,13.671,0.0,-13.3,36,2.497
1342.8,1575,81,90,38,2.52,9.4,13.673,0.0,-13.3,36,2.500
1344.0,1600,81,90,38,3.62,12.8,13.691,0.0,-13.8,36,1.357
1345.2,1625,81,89,37,3.28,18.8,13.682,1.5,-13.9,36,0.183
1346.4,1521,81,89,37,2.89,12.2,13.664,3.6,-13.3,36,-0.480
1347.6,1496,81,89,36,2.48,11.5,13.613,0.0,-13.3,36,1.308
1348.8,1458,81,89,35,2.39,10.7,13.613,0.0,-13.3,36,2.274
1350.0,1386,81,89,34,2.34,11.4,13.617,0.0,-13.3,36,2.496
1351.2,1362,81,89,33,2.34,11.6,13.632,0.0,-13.3,36,2.486
1352.4,1330,81,89,32,2.33,11.8,13.640,0.0,-13.3,36,2.495
1353.6,1302,81,89,32,2.79,12.1,13.652,0.0,-13.3,36,2.520
1354.8,1407,81,89,31,5.35,25.4,13.652,0.0,-11.8,36,1.374
1356.0,1568,81,89,30,10.08,52.3,13.660,2.8,-9.2,36,0.268
1357.2,1551,81,89,31,14.60,63.9,13.670,7.8,-4.7,36,-0.285
1358.4,1541,81,89,32,12.56,55.5,13.652,-6.3,-6.3,36,-0.170
1359.6,1522,81,89,32,10.52,32.9,13.652,-5.0,-7.3,36,-0.015
1360.8,1492,81,89,33,8.85,43.6,13.654,-3.1,-7.8,35,0.191
1362.0,1497,81,89,34,8.76,46.2,13.671,-3.9,-8.4,35,0.070
1363.2,1503,81,89,35,8.38,40.5,13.660,-0.2,-9.3,35,-0.059
1364.4,1510,81,89,34,6.88,18.0,13.652,0.7,-10.5,35,-0.113
1365.6,1590,81,89,34,6.07,38.4,13.652,-6.3,-11.7,35,0.277
1366.8,1634,81,89,34,14.32,55.3,13.652,8.4,-8.3,35,0.077
1368.0,1637,81,89,34,16.13,61.3,13.603,11.3,-5.1,35,-0.084
1369.2,1710,81,89,35,17.01,67.1,13.579,6.7,-3.1,35,-0.035
1370.4,1654,81,89,35,16.01,67.9,13.691,-1.6,-3.9,35,-0.012
1371.6,1602,81,90,35,16.03,68.5,13.691,-1.2,-4.3,35,0.000
1372.8,1592,81,90,35,14.57,64.3,13.687,-1.2,-4.9,35,-0.000
1374.0,1575,81,90,36,10.84,57.5,13.671,-3.1,-7.0,35,-0.507
1375.2,1572,81,90,36,13.11,50.3,13.671,0.7,-6.6,35,-0.371
1376.4,1598,81,90,37,10.59,51.2,13.662,-6.1,-7.3,35,-0.013
1377.6,1632,81,90,38,6.33,19.6,13.662,-19.7,-9.9,35,-0.118
1378.8,1625,81,91,38,3.17,16.4,13.691,-20.3,-13.3,35,-0.375
1380.0,1613,81,91,38,3.21,12.3,13.671,-7.4,-13.3,35,0.784
1381.2,1597,81,91,37,2.78,9.8,13.663,0.0,-13.3,35,2.285
1382.4,1571,81,91,38,2.34,9.8,13.653,0.0,-13.3,35,2.367
1383.6,1561,81,90,38,2.37,9.9,13.671,0.0,-13.3,35,2.387
1384.8,1543,81,90,37,2.34,10.2,13.671,0.0,-13.6,35,2.340
1386.0,1475,81,90,37,4.23,17.1,13.671,0.3,-14.1,35,2.160
1387.2,1622,81,90,37,9.76,33.1,13.671,5.5,-9.1,35,0.624
1388.4,1771,81,90,37,10.45,53.1,13.681,2.7,-7.0,35,-0.374
1389.6,1650,81,90,37,8.69,14.1,13.691,-3.3,-7.3,35,-0.479
1390.8,1637,81,90,38,3.14,13.7,13.691,-21.1,-13.3,35,0.902
1392.0,1618,81,90,39,2.34,12.9,13.678,-10.1,-13.3,35,1.383
1393.2,1586,81,90,38,2.32,9.8,13.671,0.0,-13.3,35,2.383
1394.4,1566,81,90,38,2.28,10.0,13.671,0.0,-13.3,35,2.423
1395.6,1536,81,90,37,2.28,10.2,13.613,0.0,-13.3,36,2.439

1396.8,1487,81,89,36,2.24,10.2,13.613,0.0,-13.3,36,2.448
1398.0,1459,81,89,36,2.20,10.2,13.613,0.0,-13.3,36,2.479
1399.2,1428,81,89,35,2.34,10.4,13.613,0.0,-13.3,36,2.484
1400.4,1402,81,89,35,2.32,11.0,13.632,0.0,-13.3,36,2.483
1401.6,1374,81,89,34,2.32,11.0,13.648,0.0,-13.3,36,2.469
1402.8,1431,81,89,33,2.34,23.5,13.632,0.0,-14.1,36,1.597
1404.0,1472,81,89,33,3.46,41.3,13.654,-1.9,-13.7,36,0.523
1405.2,1371,81,89,33,3.54,12.9,13.645,-3.1,-13.3,36,-0.455
1406.4,1330,81,89,33,2.34,12.5,13.574,0.0,-13.3,36,0.973
1407.6,1251,81,89,31,2.32,12.7,13.574,0.0,-13.3,36,1.824
1408.8,1160,81,89,29,2.30,13.7,13.582,0.0,-13.3,36,2.459
1410.0,1109,81,89,28,2.28,14.1,13.592,0.0,-13.3,36,2.500
1411.2,1071,81,89,27,2.25,14.6,13.574,0.0,-13.3,36,2.493
1412.4,1008,81,88,26,2.28,15.7,13.583,0.0,-13.3,36,2.491
1413.6,964,81,88,25,2.32,16.0,13.586,0.0,-13.3,36,2.500
1414.8,927,81,88,23,2.35,16.9,13.535,0.0,-13.3,36,2.521
1416.0,896,81,88,22,2.33,17.5,13.509,0.0,-13.3,36,2.390
1417.2,904,81,88,20,2.30,14.9,13.526,2.4,-13.3,36,1.763
1418.4,873,81,88,18,2.29,17.0,13.572,7.8,-13.3,36,-0.176
1419.6,892,81,88,16,2.35,18.3,13.535,7.8,-13.3,36,-0.250
1420.8,1043,81,88,12,4.90,18.9,13.564,6.8,-12.2,36,-0.264
1422.0,1692,81,88,12,10.03,58.0,13.610,5.7,-9.3,36,-0.106
1423.2,1845,81,88,13,15.05,54.8,13.652,6.3,-4.7,36,-0.387
1424.4,1904,81,88,16,11.57,58.1,13.683,-7.7,-5.8,36,-0.021
1425.6,1887,81,88,19,16.53,69.0,13.713,-7.0,-4.2,36,0.158
1426.8,2001,81,88,21,19.83,69.0,13.633,-1.4,-1.6,36,0.014
1428.0,1898,81,88,24,20.20,67.9,13.424,-0.8,-1.6,36,-0.098
1429.2,1862,81,89,25,19.15,59.6,13.554,-1.4,-1.6,36,-0.058
1430.4,1833,81,89,27,12.70,46.9,13.609,-10.8,-3.8,35,-0.009
1431.6,1456,81,89,29,9.58,54.1,13.641,-17.0,-7.8,35,0.039
1432.8,1435,81,90,30,10.05,37.6,13.613,3.1,-7.0,35,-0.004
1434.0,1397,81,90,32,2.67,16.9,13.634,-8.5,-9.7,35,-0.141
1435.2,1326,81,90,32,4.82,20.0,13.648,-19.4,-13.2,35,-0.340
1436.4,1623,81,90,32,9.97,44.0,13.632,1.6,-6.3,35,0.038
1437.6,1762,81,90,33,13.00,53.5,13.618,1.6,-6.3,35,0.023
1438.8,1625,81,91,35,6.84,22.6,13.631,-7.8,-8.8,35,-0.260
1440.0,1496,81,91,35,2.73,12.5,13.652,-18.5,-13.3,35,-0.625
1441.2,1489,81,91,35,2.82,11.4,13.652,0.0,-13.3,35,2.272
1442.4,1480,81,91,35,2.32,10.2,13.641,0.0,-13.3,36,2.313
1443.6,1470,81,91,35,2.32,10.2,13.628,0.0,-13.3,36,2.398
1444.8,1454,81,90,35,2.31,10.4,13.613,0.0,-13.3,36,2.418
1446.0,1405,81,90,35,2.29,11.0,13.586,0.0,-13.3,36,2.433
1447.2,1306,81,90,33,2.30,12.3,13.574,0.0,-13.3,36,2.449
1448.4,1177,81,90,31,2.32,13.3,13.568,0.0,-13.3,36,2.469
1449.6,965,81,90,28,2.41,16.9,13.557,0.0,-13.3,36,2.469
1450.8,1165,81,90,24,2.67,33.3,13.574,0.0,-14.1,36,0.939
1452.0,1380,81,90,21,5.93,51.3,13.608,-1.9,-13.8,36,-0.199
1453.2,1163,81,90,21,9.40,45.5,13.638,-1.7,-12.5,36,-0.530

1454.4,1455,81,90,22,13.00,54.2,13.654,7.0,-7.0,36,-0.086
1455.6,1705,81,90,23,17.76,63.0,13.691,7.0,-4.2,36,-0.095
1456.8,1848,81,90,25,17.49,67.5,13.684,4.5,-2.1,36,-0.106
1458.0,1759,81,90,25,16.22,53.0,13.670,-3.9,-4.7,36,-0.113
1459.2,1666,81,90,26,9.67,45.3,13.652,-8.0,-6.0,36,0.077
1460.4,1568,81,91,28,11.39,54.1,13.660,-6.9,-7.0,36,0.108
1461.6,1427,81,91,28,12.74,46.7,13.666,-0.5,-7.0,35,-0.527
1462.8,1456,81,91,29,11.85,49.8,13.632,3.9,-7.0,35,-0.113
1464.0,1482,81,91,30,11.42,61.4,13.310,-0.2,-7.0,35,-0.122
1465.2,1460,81,91,31,11.56,55.7,13.271,-2.2,-7.0,35,-0.367
1466.4,1449,81,91,31,12.21,58.6,13.635,2.4,-7.0,35,0.012
1467.6,1472,81,91,32,12.95,60.8,13.652,3.1,-6.3,35,-0.015
1468.8,1516,81,91,34,13.49,61.1,13.640,1.5,-6.3,35,-0.024
1470.0,1573,81,91,35,13.61,57.6,13.632,-0.4,-6.4,35,-0.015
1471.2,1582,81,91,35,13.48,57.8,13.632,-1.6,-7.0,35,-0.039
1472.4,1611,81,92,36,13.35,56.8,13.632,-2.3,-6.6,35,-0.017
1473.6,1660,81,92,38,10.43,51.2,13.632,-8.3,-7.3,35,-0.056
1474.8,1698,81,92,40,7.44,19.6,13.637,-17.2,-9.9,35,-0.179
1476.0,1691,81,92,40,7.15,22.7,13.653,-20.1,-13.3,35,0.129
1477.2,1810,81,92,40,15.15,28.4,13.671,3.9,-8.3,35,0.042
1478.4,1956,81,92,40,6.94,34.5,13.671,-7.7,-8.4,35,-0.127
1479.6,1731,81,92,41,2.88,12.5,13.665,-16.8,-13.3,35,-0.244
1480.8,1685,81,92,41,3.11,10.9,13.652,0.0,-13.3,35,2.219
1482.0,1641,81,92,40,2.28,9.4,13.652,0.0,-13.3,36,2.304
1483.2,1611,81,92,39,2.26,9.4,13.628,0.0,-13.3,36,2.396
1484.4,1518,81,92,39,2.24,9.9,13.593,0.0,-13.3,36,2.445
1485.6,1490,81,91,37,2.29,10.3,13.593,0.0,-13.3,36,2.450
1486.8,1426,81,91,35,2.32,10.7,13.593,0.0,-13.3,36,2.453
1488.0,1308,81,91,34,2.34,12.2,13.587,0.0,-13.3,36,2.454
1489.2,1241,81,91,32,2.34,12.6,13.574,0.0,-13.3,36,2.464
1490.4,1198,81,91,30,2.32,13.2,13.574,0.0,-13.3,36,2.481
1491.6,1183,81,91,28,2.34,14.1,13.565,1.4,-13.3,36,1.981
1492.8,1051,81,91,27,2.34,14.3,13.556,3.9,-13.3,36,-0.098
1494.0,1035,81,91,26,2.29,14.8,13.574,3.3,-13.3,36,-0.274
1495.2,1006,81,91,25,2.31,15.4,13.561,2.3,-13.3,36,-0.344
1496.4,986,81,91,24,2.32,15.7,13.554,1.4,-13.3,36,-0.263
1497.6,961,81,91,23,2.32,16.4,13.554,0.8,-13.3,36,-0.324
1498.8,929,81,91,22,2.35,17.6,13.546,0.8,-13.3,36,-0.319
1500.0,907,81,91,22,2.38,17.5,13.535,0.8,-13.3,36,-0.277
1501.2,896,81,91,20,2.26,17.3,13.554,0.8,-13.3,36,-0.294
1502.4,910,81,91,19,2.30,17.3,13.561,0.0,-13.3,36,-0.283
1503.6,944,81,91,19,2.36,16.8,13.573,-2.3,-13.3,36,-0.074
1504.8,912,81,91,17,2.40,17.1,13.554,-1.6,-13.3,36,-0.023
1506.0,834,81,91,14,2.35,18.8,13.512,-1.1,-13.3,36,0.014
1507.2,800,81,91,11,2.34,18.3,13.459,0.0,-13.3,36,-0.008
1508.4,804,81,91,7,2.50,21.3,13.476,1.0,-13.3,36,0.020
1509.6,814,81,91,4,4.95,31.0,13.511,3.5,-12.7,36,0.040
1510.8,1346,81,91,5,7.35,22.1,13.572,7.9,-10.2,36,-0.031

1512.0,1379,81,91,7,4.21,17.3,13.554,-1.6,-14.1,36,0.024
1513.2,1363,81,91,7,3.05,17.9,13.500,0.7,-13.8,36,0.027
1514.4,996,81,91,7,2.44,16.5,13.469,3.3,-13.3,36,-0.048
1515.6,867,81,91,6,2.46,19.2,13.495,3.9,-13.3,36,0.016
1516.8,858,81,91,4,2.46,23.9,13.476,1.8,-13.8,36,-0.026
1518.0,983,81,91,4,3.87,31.0,13.511,2.9,-14.1,36,-0.060
1519.2,1117,81,91,6,4.40,18.3,13.544,5.7,-14.1,36,-0.039
1520.4,940,81,92,6,2.21,16.4,13.496,0.8,-13.3,36,0.032
1521.6,827,81,92,4,5.43,21.2,13.514,3.8,-11.7,36,0.073
1522.8,1526,81,92,5,7.13,29.0,13.536,8.6,-8.6,36,0.082
1524.0,1383,81,92,6,2.89,30.3,13.554,-5.0,-11.3,36,0.028
1525.2,1089,81,93,8,2.67,16.1,13.520,-9.8,-13.3,36,-0.003
1526.4,868,81,93,8,2.43,17.2,13.474,-4.5,-13.3,36,0.148
1527.6,818,81,93,7,2.29,19.0,13.457,-0.8,-13.3,36,0.087
1528.8,754,81,93,4,2.41,21.6,13.465,-0.5,-13.3,36,0.032
1530.0,821,81,93,4,4.02,20.8,13.481,0.1,-13.3,36,-0.004
1531.2,1076,81,93,4,9.67,25.3,13.515,2.3,-8.6,36,0.134
1532.4,1475,81,93,6,5.42,36.5,13.534,-1.8,-10.4,36,0.035
1533.6,1257,81,93,7,3.77,19.1,13.550,-6.5,-13.2,37,-0.449
1534.8,1555,81,93,9,7.21,29.7,13.535,-3.1,-11.7,37,0.098
1536.0,1746,81,93,9,11.06,44.6,13.571,0.8,-9.3,37,0.132
1537.2,1534,81,93,11,6.93,31.8,13.586,1.2,-8.4,37,-0.118
1538.4,1175,81,93,12,2.23,18.7,13.567,-6.0,-13.3,37,-0.336
1539.6,1028,81,94,12,2.31,15.8,13.535,-10.2,-13.3,37,0.219
1540.8,865,81,94,11,2.29,19.0,13.481,-6.2,-13.3,37,0.161
1542.0,732,81,94,7,2.41,22.4,13.442,-1.4,-13.3,37,0.051
1543.2,813,81,94,4,2.86,30.4,13.457,0.0,-13.3,37,0.008
1544.4,1032,81,94,4,7.12,37.6,13.533,0.5,-12.5,37,-0.032
1545.6,1492,81,94,6,5.45,25.5,13.556,-0.9,-11.9,37,-0.039
1546.8,1236,81,94,7,2.59,22.1,13.515,-6.3,-13.3,37,0.203
1548.0,970,81,95,7,2.40,17.4,13.505,-3.3,-13.3,37,0.153
1549.2,826,81,95,6,3.59,18.8,13.502,0.9,-13.3,37,0.027
1550.4,1194,81,95,5,7.81,26.1,13.535,3.1,-9.5,37,0.173
1551.6,1799,81,95,6,11.31,42.1,13.552,4.2,-6.8,37,0.181
1552.8,2239,81,95,9,12.77,34.9,13.577,5.5,-6.3,37,-0.219
1554.0,1915,81,95,12,7.68,38.1,13.593,-8.6,-9.6,37,-0.033
1555.2,1601,81,95,14,11.01,41.7,13.593,-1.5,-9.2,37,0.015
1556.4,1837,81,95,15,10.70,33.3,13.599,2.1,-7.7,37,-0.071
1557.6,1631,81,95,17,7.93,41.2,13.586,-7.8,-10.9,37,0.152
1558.8,1584,81,96,19,11.76,48.5,13.203,2.3,-8.2,37,0.044
1560.0,1664,81,96,20,12.87,49.4,13.366,3.4,-6.7,37,-0.040
1561.2,1582,81,96,22,12.76,47.1,13.496,3.0,-6.4,37,-0.074
1562.4,1582,81,96,24,11.23,46.8,13.496,-5.5,-7.0,37,0.004
1563.6,1595,81,96,25,10.38,45.5,13.507,-5.1,-7.0,37,0.014
1564.8,1646,81,96,27,7.77,41.2,13.503,-7.5,-8.0,37,-0.075
1566.0,1522,81,96,27,3.69,26.7,13.476,-16.4,-13.3,37,-0.426
1567.2,1332,81,96,27,2.67,14.3,13.476,-16.4,-13.3,37,-0.184
1568.4,1133,81,96,26,2.66,15.6,13.450,-10.2,-13.3,37,0.608

1569.6,1058,81,96,26,2.58,14.5,13.414,0.0,-13.3,38,2.270
1570.8,962,81,96,25,2.37,16.8,13.398,0.0,-13.3,38,2.379
1572.0,844,81,96,22,2.49,21.6,13.387,0.0,-13.3,38,1.754
1573.2,953,81,96,19,2.51,18.4,13.373,0.0,-13.3,38,0.021
1574.4,885,81,96,15,2.42,18.8,13.359,0.0,-13.3,38,-0.285
1575.6,804,81,96,9,2.25,19.6,13.323,0.0,-13.3,38,-0.246
1576.8,705,81,96,6,2.50,22.7,13.300,0.6,-13.4,38,-0.189
1578.0,1003,81,96,4,3.00,34.0,13.300,3.1,-14.1,38,-0.152
1579.2,1394,81,95,4,7.90,45.0,13.132,2.3,-10.7,38,-0.232
1580.4,1752,81,95,7,7.50,36.9,13.159,-2.2,-8.4,38,-0.301
1581.6,1071,81,95,9,4.02,22.6,13.415,-11.7,-13.3,38,-0.016
1582.8,954,81,94,10,2.35,15.9,13.359,-8.2,-13.3,38,0.115
1584.0,793,81,94,9,2.26,18.8,13.370,-4.7,-13.3,38,0.150
1585.2,742,81,94,6,2.30,22.0,13.395,-1.8,-13.3,38,0.035
1586.4,758,81,95,4,3.07,22.2,13.437,0.0,-13.3,38,0.035
1587.6,1017,81,95,4,9.06,27.1,13.473,2.9,-10.3,38,0.001
1588.8,1652,81,95,5,10.62,46.7,13.507,5.2,-6.9,38,-0.049
1590.0,2023,81,94,8,13.36,52.9,13.535,3.9,-6.3,38,-0.094
1591.2,2157,81,94,12,16.48,60.2,13.562,2.5,-4.5,38,-0.055
1592.4,2008,81,94,16,17.81,63.8,13.582,0.0,-2.7,38,-0.019
1593.6,2243,81,94,18,18.63,52.9,13.601,-3.1,-1.6,38,-0.031
1594.8,2052,81,94,21,16.76,53.9,13.671,-4.7,-4.3,38,0.037
1596.0,1843,81,95,23,15.57,54.1,13.647,-0.6,-5.5,38,0.024
1597.2,1792,81,95,25,13.72,44.3,13.632,2.1,-5.7,38,-0.053
1598.4,1786,81,95,26,11.73,49.3,13.632,-0.8,-7.0,38,0.066
1599.6,1826,81,95,28,11.09,48.3,13.580,-3.1,-7.0,38,-0.058
1600.8,1891,81,95,29,9.76,32.2,13.563,-3.8,-7.7,38,-0.137
1602.0,1346,81,95,29,8.91,44.2,13.579,-0.7,-9.2,38,0.170
1603.2,1400,81,96,30,9.22,42.1,13.560,5.5,-7.8,38,-0.129
1604.4,1405,81,96,32,4.89,31.7,12.988,-2.8,-11.7,38,-0.137
1605.6,1360,81,96,31,3.46,20.3,13.236,-9.1,-13.8,37,-0.063
1606.8,1330,81,96,31,2.52,12.9,13.476,-10.3,-13.3,38,0.218
1608.0,1297,81,96,31,2.64,12.7,13.476,0.0,-13.3,38,2.272
1609.2,1249,81,96,30,2.37,12.7,13.439,0.0,-13.3,38,2.318
1610.4,1161,81,96,29,2.34,13.7,13.412,0.0,-13.3,38,2.414
1611.6,1066,81,96,28,2.29,15.3,13.398,0.0,-13.3,38,2.427
1612.8,892,81,96,25,2.36,18.8,13.387,0.0,-13.3,38,2.449
1614.0,587,81,96,22,2.43,29.4,13.389,0.3,-13.3,38,2.355
1615.2,691,81,96,18,2.49,25.9,13.417,1.6,-13.3,38,-0.215
1616.4,797,81,95,14,2.26,21.0,13.364,1.6,-13.3,38,-0.199
1617.6,847,81,95,10,2.27,19.2,13.313,2.0,-13.3,38,-0.172
1618.8,784,81,95,7,2.29,20.7,13.281,4.7,-13.3,38,-0.190
1620.0,735,81,95,4,2.41,25.4,13.281,6.0,-13.3,38,-0.228
1621.2,857,81,95,4,5.11,65.5,13.303,7.6,-13.3,38,-0.293
1622.4,1322,81,95,5,10.48,51.9,13.378,5.5,-7.8,38,-0.341
1623.6,1694,81,95,8,11.09,41.0,13.404,4.2,-7.4,38,-0.186
1624.8,1699,81,94,11,11.29,53.3,13.471,2.2,-7.1,38,0.068
1626.0,1561,81,94,13,9.55,28.6,13.556,-0.2,-7.8,38,-0.113

1627.2,1276,81,94,15,2.43,12.8,13.574,-13.3,-11.5,38,0.011
1628.4,918,81,94,16,2.35,17.3,13.525,-8.6,-13.3,38,0.113
1629.6,931,81,94,14,2.28,16.5,13.463,-2.2,-13.3,38,0.141
1630.8,894,81,94,11,2.26,17.0,13.398,-0.8,-13.3,38,0.061
1632.0,850,81,94,7,2.27,18.0,13.422,0.1,-13.3,38,0.036
1633.2,821,81,94,4,2.30,20.4,13.444,1.4,-13.5,38,0.054
1634.4,925,81,94,5,3.36,34.8,13.458,3.1,-14.1,38,0.047
1635.6,1338,81,94,5,12.59,45.5,13.535,6.2,-9.9,38,-0.021
1636.8,2050,81,94,10,13.88,46.7,13.550,6.8,-6.6,38,-0.067
1638.0,1908,81,94,11,15.48,54.0,13.575,4.7,-5.5,38,0.047
1639.2,1917,81,94,14,15.92,51.2,13.593,-0.8,-4.9,38,-0.003
1640.4,1872,81,94,17,10.96,42.3,13.616,-3.1,-6.7,38,0.024
1641.6,1546,81,94,19,6.57,42.0,13.627,-7.5,-9.6,38,0.113
1642.8,1429,81,95,20,2.60,31.3,13.613,-18.8,-13.3,38,-0.247
1644.0,1270,81,95,21,2.64,13.3,13.604,-11.3,-13.3,38,0.220
1645.2,1177,81,95,20,2.61,13.3,13.588,0.0,-13.3,38,2.207
1646.4,1127,81,96,20,2.37,14.1,13.535,0.0,-13.3,38,2.314
1647.6,1029,81,96,19,2.44,15.8,13.525,0.0,-13.3,38,2.411
1648.8,796,81,96,17,2.46,23.5,13.506,0.0,-13.3,38,2.441
1650.0,891,81,96,14,2.43,19.9,13.476,0.0,-13.3,39,0.639
1651.2,922,81,95,11,2.40,17.3,13.447,-0.5,-13.3,39,-0.084
1652.4,874,81,96,7,2.34,17.4,13.427,0.9,-13.3,39,-0.254
1653.6,760,81,96,6,2.27,20.0,13.391,3.2,-13.3,39,-0.210
1654.8,707,81,96,4,2.25,21.0,13.324,3.9,-13.3,39,-0.184
1656.0,693,81,96,3,2.42,22.0,13.398,5.9,-13.3,39,-0.232
1657.2,747,81,96,4,2.41,22.0,13.405,6.3,-13.3,39,-0.292
1658.4,764,81,96,4,2.40,21.6,13.417,4.7,-13.3,39,-0.336
1659.6,861,81,96,4,2.40,26.2,13.417,4.2,-13.8,39,-0.308
1660.8,1128,81,96,5,6.59,41.1,13.080,5.6,-12.5,39,-0.231
1662.0,1668,81,96,5,10.68,62.0,12.940,6.6,-9.2,39,-0.105
1663.2,1910,81,96,8,13.47,56.5,13.398,0.0,-5.5,39,-0.051
1664.4,1803,81,96,13,6.53,46.3,13.445,-2.1,-9.0,39,-0.256
1665.6,947,81,96,14,5.05,20.0,13.436,-4.4,-13.3,39,-0.621
1666.8,902,81,96,13,2.53,20.9,13.339,-6.3,-13.3,39,-0.260
1668.0,853,81,96,9,2.48,21.8,13.290,-7.1,-13.3,39,-0.035
1669.2,824,81,96,7,2.46,20.0,13.255,-7.5,-13.3,39,0.056
1670.4,800,81,96,6,2.40,20.2,13.239,-6.3,-13.3,39,0.063
1671.6,739,81,97,5,2.31,21.4,13.183,-4.4,-13.3,39,0.070
1672.8,643,81,97,4,2.44,24.7,13.183,-2.4,-13.3,39,0.081
1674.0,714,81,97,3,2.58,24.4,13.191,-0.7,-13.3,39,0.094
1675.2,734,81,97,3,2.51,23.8,13.242,0.0,-13.3,39,0.041
1676.4,802,81,96,3,2.49,25.0,13.242,0.4,-13.7,40,0.030
1677.6,954,81,96,4,5.60,34.1,13.261,3.1,-12.8,40,0.054
1678.8,1572,81,96,5,10.74,48.6,13.298,10.2,-7.0,40,0.078
1680.0,2222,81,96,8,22.06,58.6,13.007,2.7,-3.9,40,-0.028
1681.2,2731,81,95,14,22.98,47.9,13.007,2.3,-1.6,40,-0.114
1682.4,2232,81,95,17,23.32,70.2,13.113,4.2,-1.6,40,-0.040
1683.6,2418,81,95,20,22.47,66.7,13.417,-4.7,-1.6,40,0.070

1684.8,2420,81,95,24,22.77,64.4,13.457,-4.2,-1.6,40,0.086
1686.0,2089,81,95,27,21.77,69.8,13.457,-2.9,-1.6,40,0.088
1687.2,2039,81,95,28,20.13,68.2,13.458,-0.0,-1.6,40,-0.039
1688.4,2035,81,95,31,18.67,61.5,13.476,-9.4,-2.9,40,-0.054
1689.6,2023,81,95,33,14.92,45.9,13.452,-6.8,-4.5,40,-0.057
1690.8,1536,81,95,33,9.29,23.7,13.423,-1.4,-7.1,40,0.027
1692.0,1476,81,96,34,2.59,14.4,13.457,-9.4,-13.3,40,-0.598
1693.2,1415,81,96,35,2.56,12.7,13.443,-3.6,-13.3,40,0.495
1694.4,1385,81,96,33,3.11,11.8,13.491,0.0,-13.5,40,2.066
1695.6,1540,81,96,33,4.53,30.3,13.559,-0.2,-14.0,40,-0.437
1696.8,1541,81,95,34,8.85,58.0,13.593,-3.1,-10.2,40,-0.438
1698.0,1510,81,95,34,8.71,36.5,13.593,-3.1,-10.2,40,-0.438
1699.2,1536,81,95,34,6.04,20.0,13.593,-6.3,-11.4,40,-0.127
1700.4,1675,81,95,34,9.73,49.8,13.600,-4.2,-11.2,40,0.219
1701.6,1652,81,95,34,14.89,56.6,13.613,7.0,-6.3,40,-0.016
1702.8,1618,81,95,35,17.04,51.4,13.613,5.1,-5.1,40,-0.031
1704.0,1570,81,95,36,11.54,11.4,13.613,2.9,-5.7,40,0.024
1705.2,1556,81,95,37,3.00,12.0,13.613,0.0,-13.3,40,0.480
1706.4,1536,81,96,37,2.31,12.0,13.598,0.0,-13.3,40,1.381
1707.6,1553,81,96,36,5.97,13.7,13.582,0.0,-11.7,40,1.502
1708.8,1726,81,96,36,8.41,36.9,13.581,0.9,-9.2,40,-0.018
1710.0,1618,81,95,37,8.63,34.2,13.593,3.1,-8.6,40,-0.148
1711.2,1583,81,96,37,6.68,25.1,13.593,-0.8,-11.8,40,-0.105
1712.4,1660,81,96,37,7.04,13.9,13.614,0.9,-9.0,40,-0.056
1713.6,2060,81,96,38,8.38,52.5,13.623,1.8,-1.7,40,-0.008
1714.8,1839,81,96,38,10.68,50.2,13.593,-9.4,-7.0,40,0.123
1716.0,1677,81,96,38,10.43,37.1,13.608,-1.6,-8.4,40,-0.090
1717.2,1690,81,96,40,6.11,12.9,13.613,1.4,-10.8,40,0.093
1718.4,1651,81,96,39,3.19,12.9,13.613,0.0,-13.4,40,1.398
1719.6,1703,81,96,39,3.32,19.9,13.613,0.0,-14.1,40,0.586
1720.8,1732,81,96,39,11.87,27.8,13.613,1.5,-11.4,40,0.171
1722.0,1671,81,96,39,10.35,17.6,13.608,2.3,-7.8,40,-0.516
1723.2,1676,81,96,39,7.29,36.3,13.593,-3.9,-10.2,40,-0.029
1724.4,1693,81,96,39,14.48,52.8,13.593,-1.0,-8.0,40,0.025
1725.6,1724,81,96,41,8.25,34.0,13.602,-7.4,-8.4,40,-0.116
1726.8,1710,81,96,41,3.26,12.2,13.613,-18.1,-13.3,40,-0.069
1728.0,1678,81,96,40,3.68,10.6,13.613,0.0,-13.3,40,2.285
1729.2,1726,81,96,40,7.12,19.0,13.632,0.0,-11.8,40,1.186
1730.4,1820,81,96,39,11.63,42.2,13.642,0.3,-9.9,40,0.055
1731.6,1692,81,96,39,11.28,12.9,13.644,0.7,-7.9,40,-0.652
1732.8,1657,81,96,39,3.14,24.6,13.613,0.0,-14.1,40,0.566
1734.0,1666,81,96,39,8.20,39.5,13.624,-0.4,-10.8,40,0.728
1735.2,1789,81,96,40,7.15,21.6,13.632,-6.7,-8.6,39,-0.051
1736.4,1653,81,96,40,4.48,15.2,13.628,-15.6,-13.1,39,0.176
1737.6,1759,81,96,39,9.09,31.0,13.613,7.0,-8.6,39,-0.064
1738.8,1806,81,96,39,18.32,54.1,13.613,6.0,-5.5,39,-0.080
1740.0,1756,81,96,40,18.67,71.0,13.606,5.0,-2.7,39,-0.022
1741.2,1783,81,96,41,18.73,70.8,13.593,3.9,-1.6,39,-0.059

1742.4,1807,81,96,42,15.60,52.8,13.632,-12.6,-8.9,39,-0.556
1743.6,1815,81,96,43,8.09,12.9,13.612,-12.0,-13.3,39,-0.320
1744.8,1736,81,96,42,3.10,12.9,13.584,0.0,-13.3,39,1.400
1746.0,1660,81,96,41,2.37,11.4,13.554,0.0,-13.3,39,2.300
1747.2,1584,81,96,39,2.37,9.9,13.568,0.0,-13.3,39,2.344
1748.4,1538,81,96,37,2.35,10.2,13.590,0.0,-13.3,39,2.404
1749.6,1511,81,96,37,2.36,10.2,13.613,0.0,-13.3,39,2.426
1750.8,1484,81,96,36,2.50,10.4,13.613,0.0,-13.3,39,2.450
1752.0,1442,81,96,35,2.28,10.8,13.574,0.0,-13.3,39,2.461
1753.2,1379,81,96,34,2.28,11.4,13.582,0.0,-13.3,39,2.465
1754.4,1349,81,96,33,4.59,42.5,13.602,-1.0,-13.3,39,2.440
1755.6,1360,81,96,33,9.61,33.5,13.632,-6.3,-13.3,39,-0.629
1756.8,1372,81,96,32,2.60,14.1,13.632,-3.0,-13.3,39,0.232
1758.0,1357,81,96,33,8.25,46.3,13.632,1.2,-12.7,39,2.148
1759.2,1598,81,96,33,18.33,60.7,13.632,7.0,-1.6,39,0.416
1760.4,1889,81,96,34,23.17,73.3,13.632,4.1,-1.6,39,-0.187
1761.6,2041,81,96,35,14.91,66.9,13.623,-6.9,-5.6,39,-0.253
1762.8,1540,81,96,36,6.32,12.5,13.618,-16.7,-13.3,39,-0.724
1764.0,1519,81,96,36,3.57,15.4,13.632,0.0,-13.3,39,1.324
1765.2,1528,81,96,36,11.54,23.7,13.632,4.8,-9.2,39,0.593
1766.4,1583,81,96,36,7.01,42.4,13.632,-1.1,-7.5,39,-0.352
1767.6,1556,81,96,36,2.90,23.3,13.629,-16.6,-13.3,39,-0.652
1768.8,1518,81,96,36,2.93,12.8,13.613,0.0,-13.3,39,1.409
1770.0,1478,81,96,36,2.92,15.1,13.613,0.0,-13.3,39,2.236
1771.2,1505,81,96,35,5.60,24.3,13.613,0.0,-11.0,39,1.544
1772.4,1798,81,96,35,9.50,58.0,13.619,0.9,-7.6,39,-0.106
1773.6,1709,81,96,35,13.38,56.1,13.632,3.9,-6.3,38,-0.363
1774.8,1653,81,96,36,13.92,56.6,13.632,2.3,-6.3,38,-0.227
1776.0,1610,81,96,38,14.41,62.0,13.626,1.0,-6.2,38,-0.059
1777.2,1632,81,96,38,15.31,59.8,13.613,-3.9,-5.5,38,-0.056
1778.4,1694,81,96,40,14.85,49.4,13.613,-3.8,-5.5,38,-0.051
1779.6,1700,81,96,40,12.84,47.6,13.613,-1.6,-6.1,38,-0.100
1780.8,1735,81,96,41,12.43,13.3,13.613,-1.6,-7.0,38,-0.207
1782.0,1735,81,96,41,3.14,13.3,13.605,-1.1,-8.5,38,0.155
1783.2,1578,81,96,40,3.14,12.1,13.593,0.0,-13.3,38,2.228
1784.4,1579,81,96,38,2.88,9.4,13.598,0.0,-13.3,38,2.230
1785.6,1552,81,96,38,2.40,9.6,13.613,0.0,-13.3,38,2.318
1786.8,1475,81,96,36,3.05,10.6,13.618,0.0,-13.3,38,2.414
1788.0,1548,81,96,35,4.23,22.3,13.632,0.0,-14.1,38,0.976
1789.2,1609,81,96,35,10.12,39.0,13.645,2.3,-10.4,38,-0.033
1790.4,1587,81,96,34,12.01,44.7,13.644,2.9,-7.0,38,-0.385
1791.6,1559,81,96,34,11.59,48.2,13.632,0.6,-7.0,38,-0.023
1792.8,1536,81,96,34,10.76,50.7,13.632,-2.3,-7.0,38,-0.011
1794.0,1538,81,96,34,14.51,54.8,13.632,1.9,-5.9,38,-0.039
1795.2,1608,81,96,34,16.33,67.5,13.632,4.3,-4.5,38,-0.080
1796.4,1589,81,96,35,16.63,68.8,13.627,1.6,-3.9,38,-0.012
1797.6,1590,81,96,36,16.54,68.6,13.593,-0.3,-3.9,38,-0.017
1798.8,1606,81,96,36,15.98,67.4,13.616,-1.2,-4.3,38,-0.019

1800.0,1639,81,96,37,15.81,66.7,13.563,-1.3,-4.6,38,-0.016
1801.2,1675,81,97,38,15.93,66.5,13.359,0.0,-3.9,38,-0.023
1802.4,1876,81,97,39,22.12,69.5,13.388,2.0,-2.5,38,-0.063
1803.6,2190,81,97,40,23.99,76.4,13.465,0.6,-1.6,38,-0.092
1804.8,2210,81,97,42,24.39,70.2,13.535,-3.1,-1.6,37,-0.078
1806.0,2236,81,97,43,22.75,70.4,13.535,-3.1,-1.6,37,-0.004
1807.2,2266,81,97,45,23.44,69.8,13.535,-3.4,-1.6,37,-0.004
1808.4,2313,81,97,46,23.12,59.6,13.535,-3.9,-1.6,37,-0.004
1809.6,2262,81,97,48,20.57,56.5,13.535,-2.4,-1.6,37,-0.111
1810.8,2131,81,97,49,16.17,40.8,13.535,-4.3,-3.2,37,-0.186
1812.0,2150,81,97,50,11.01,34.8,13.535,-8.9,-7.0,37,0.031
1813.2,2150,81,98,50,10.35,29.5,13.535,-2.3,-7.0,37,-0.083
1814.4,2134,81,97,50,6.22,23.9,13.546,-12.2,-10.0,37,-0.090
1815.6,2082,81,97,48,4.22,12.2,13.560,-16.1,-13.3,37,0.236
1816.8,2015,81,97,48,4.26,18.4,13.574,0.0,-13.3,37,2.301
1818.0,1981,81,97,48,9.10,22.3,13.547,-1.0,-11.1,37,0.975
1819.2,2000,81,96,46,6.34,16.9,13.543,-3.9,-10.4,37,-0.386
1820.4,1881,81,96,45,3.53,14.5,13.557,-8.0,-13.3,37,-0.254
1821.6,1767,81,96,43,3.51,20.8,13.574,0.0,-14.1,37,1.418
1822.8,1742,81,96,42,10.90,35.2,13.561,2.3,-9.7,38,1.154
1824.0,1842,81,96,40,14.65,57.6,13.554,2.6,-5.5,37,-0.169
1825.2,1753,81,96,40,15.43,58.2,13.553,-0.8,-5.5,37,-0.035
1826.4,1689,81,96,39,14.62,58.8,13.535,-1.3,-5.9,37,-0.018
1827.6,1671,81,96,39,14.65,58.8,13.535,-1.2,-6.3,37,0.006
1828.8,1659,81,96,39,15.05,59.1,13.535,0.5,-6.3,37,0.020
1830.0,1660,81,96,39,16.68,62.2,13.535,7.8,-4.7,37,-0.032
1831.2,1668,81,96,39,16.46,68.2,13.535,4.9,-3.9,37,-0.051
1832.4,1680,81,96,39,16.07,66.3,13.466,0.8,-4.0,37,-0.012
1833.6,1686,81,96,39,15.23,55.2,13.183,0.8,-5.5,37,-0.056
1834.8,1693,81,96,40,10.45,43.0,13.483,-2.6,-6.1,37,-0.040
1836.0,1695,81,96,40,10.58,49.0,13.671,-4.3,-7.0,37,0.043
1837.2,1703,81,96,40,10.92,46.6,13.671,3.9,-7.0,37,-0.004
1838.4,1717,81,96,40,10.30,40.4,13.671,0.4,-7.2,37,-0.059
1839.6,1724,81,96,41,10.96,46.0,13.671,-5.5,-7.8,37,-0.109
1840.8,1750,81,96,41,16.34,52.5,13.671,4.7,-4.7,37,-0.077
1842.0,1782,81,96,42,13.83,50.7,13.659,-0.7,-5.8,37,-0.157
1843.2,1814,81,96,42,8.81,13.3,13.672,-8.2,-8.1,37,-0.250
1844.4,1795,81,96,42,4.57,28.0,13.709,-17.2,-14.1,37,0.188
1845.6,1796,81,96,43,12.84,38.7,13.691,-8.0,-11.5,37,0.079
1846.8,1840,81,96,43,12.31,26.7,13.688,1.0,-7.8,37,-0.133
1848.0,1844,81,96,43,10.34,26.7,13.671,3.9,-7.8,37,-0.142
1849.2,1869,81,96,43,10.23,27.8,13.671,3.9,-7.8,37,-0.164
1850.4,1870,81,96,43,7.85,27.8,13.671,2.1,-8.3,37,-0.140
1851.6,1880,81,96,44,7.85,30.1,13.671,-2.3,-10.2,37,-0.000
1852.8,1897,81,96,44,7.34,35.7,13.676,-2.9,-10.4,37,-0.000
1854.0,1896,81,96,44,6.17,32.8,13.691,-6.3,-13.3,37,-0.077
1855.2,1890,81,96,44,5.50,12.5,13.685,-6.1,-13.3,37,-0.188
1856.4,1875,81,96,44,2.35,12.3,13.632,0.0,-13.3,37,0.488

1857.6,1766,81,96,44,2.38,8.6,13.632,0.0,-13.3,37,2.401
1858.8,1767,81,96,42,3.12,8.6,13.640,0.0,-13.5,38,2.142
1860.0,1812,81,96,42,3.12,12.3,13.652,0.0,-14.1,38,0.262
1861.2,1871,81,96,42,3.21,19.6,13.641,0.0,-14.0,38,0.317
1862.4,1828,81,96,42,3.37,17.2,13.613,0.0,-13.3,38,1.694
1863.6,1726,81,96,41,3.13,9.0,13.621,0.0,-13.3,38,1.695
1864.8,1719,81,96,41,2.26,9.0,13.671,0.0,-13.3,38,1.924
1866.0,1677,81,96,41,2.27,9.0,13.671,0.0,-13.3,38,2.456
1867.2,1678,81,96,41,2.34,9.0,13.671,0.0,-13.3,38,2.461
1868.4,1621,81,96,41,2.34,12.4,13.671,0.0,-13.3,38,2.478
1869.6,1622,81,96,40,4.80,19.6,13.671,0.4,-13.1,38,2.480
1870.8,1648,81,95,40,11.21,19.1,13.671,3.9,-7.8,38,1.465
1872.0,1760,81,95,40,10.54,13.7,13.671,3.9,-7.8,38,-0.410
1873.2,1761,81,95,41,4.15,13.7,13.691,2.6,-9.5,38,-0.338
1874.4,1784,81,95,41,4.15,16.5,13.691,0.0,-14.1,38,0.027
1875.6,1817,81,95,42,4.85,22.0,13.681,0.3,-13.5,38,0.029
1876.8,1803,81,95,42,6.20,28.2,13.652,1.6,-8.6,38,0.086
1878.0,1771,81,95,41,7.36,48.6,13.655,1.5,-8.6,38,0.086
1879.2,1773,81,95,41,11.03,43.5,13.671,0.0,-10.9,38,-0.021
1880.4,1779,81,95,41,10.38,12.5,13.672,0.0,-10.9,38,-0.211
1881.6,1772,81,96,42,6.35,12.5,13.691,0.9,-11.7,38,-0.201
1882.8,1716,81,96,41,6.33,12.9,13.691,2.3,-13.3,38,-0.168
1884.0,1717,81,96,40,3.31,12.9,13.683,1.6,-13.3,38,0.274
1885.2,1622,81,96,40,3.31,11.6,13.671,0.0,-13.3,38,2.413
1886.4,1623,81,95,39,2.82,9.8,13.663,0.0,-13.3,38,2.418
1887.6,1589,81,95,39,3.18,27.5,13.652,0.0,-13.3,38,2.444
1888.8,1644,81,95,38,10.06,41.4,13.665,1.4,-10.3,38,1.208
1890.0,1804,81,95,37,9.12,40.7,13.671,2.0,-8.5,38,-0.284
1891.2,1642,81,95,38,8.69,26.3,13.671,1.7,-10.1,38,-0.339
1892.4,1661,81,95,38,10.00,25.7,13.671,2.3,-8.6,38,-0.031
1893.6,1675,81,95,39,5.65,22.7,13.671,-2.2,-10.9,38,-0.049
1894.8,1675,81,95,39,3.86,12.5,13.663,-3.8,-13.3,38,0.156
1896.0,1634,81,95,39,3.11,12.8,13.652,0.0,-13.3,38,1.742
1897.2,1604,81,95,39,2.39,17.2,13.652,0.0,-13.3,38,2.199
1898.4,1603,81,95,39,5.13,23.6,13.664,3.1,-12.9,38,1.323
1899.6,1738,81,95,38,5.56,23.9,13.671,6.3,-12.7,38,-0.244
1900.8,1653,81,95,38,4.50,15.9,13.667,6.6,-13.3,38,-0.484
1902.0,1686,81,95,38,3.79,16.6,13.652,0.0,-14.1,38,0.473
1903.2,1709,81,95,38,6.58,22.0,13.652,4.7,-12.4,38,0.373
1904.4,1688,81,95,39,7.39,27.5,13.660,7.0,-10.9,38,-0.226
1905.6,1684,81,95,39,7.43,32.7,13.671,5.5,-10.9,38,-0.035
1906.8,1691,81,95,39,7.89,26.4,13.671,6.3,-12.6,38,-0.106
1908.0,1691,81,95,40,4.75,12.4,13.671,3.2,-13.3,38,0.511
1909.2,1655,81,95,40,2.89,11.8,13.666,0.0,-13.3,38,1.772
1910.4,1629,81,95,39,2.32,10.6,13.652,0.0,-13.3,38,2.425
1911.6,1609,81,95,38,2.32,10.3,13.652,0.0,-13.7,38,1.973
1912.8,1605,81,95,38,3.00,14.5,13.659,1.8,-14.1,38,1.094
1914.0,1639,81,95,38,3.88,16.3,13.670,5.5,-14.1,38,-0.273

1915.2,1624,81,94,37,4.59,17.2,13.652,6.5,-14.1,38,-0.284
1916.4,1608,81,94,37,4.66,16.9,13.661,6.4,-14.1,38,-0.299
1917.6,1659,81,94,37,5.38,18.4,13.665,5.5,-14.1,38,-0.316
1918.8,1639,81,94,37,7.31,24.2,13.632,5.5,-12.5,38,-0.203
1920.0,1615,81,94,38,8.57,31.2,13.643,5.5,-10.7,38,-0.140
1921.2,1621,81,94,39,6.75,22.4,13.657,1.1,-9.9,38,-0.152
1922.4,1608,81,94,38,3.03,17.5,13.671,-17.2,-13.3,38,0.074
1923.6,1586,81,94,38,2.43,12.5,13.652,-7.3,-13.3,38,1.060
1924.8,1544,81,94,37,2.39,9.8,13.647,0.0,-13.3,38,2.422
1926.0,1512,81,94,37,2.32,13.2,13.632,0.0,-13.3,38,2.449
1927.2,1486,81,94,36,4.69,19.3,13.641,1.4,-13.1,38,1.934
1928.4,1651,81,94,36,5.45,32.5,13.652,3.6,-12.6,38,-0.154
1929.6,1541,81,94,35,3.01,22.4,13.652,1.6,-13.3,38,-0.664
1930.8,1512,81,94,35,4.37,16.5,13.652,3.6,-13.8,38,-0.378
1932.0,1690,81,94,35,6.78,36.5,13.652,3.9,-12.6,38,-0.082
1933.2,1710,81,94,36,9.90,42.3,13.654,2.3,-8.6,38,-0.113
1934.4,1659,81,94,36,12.17,50.3,13.671,5.6,-6.7,38,-0.009
1935.6,1590,81,94,37,13.07,60.0,13.661,3.5,-6.2,38,-0.010
1936.8,1629,81,94,37,12.05,31.2,13.648,-2.1,-7.8,37,-0.258
1938.0,1634,81,94,38,8.21,26.1,13.632,-6.3,-8.9,37,0.046
1939.2,1640,81,94,39,5.83,34.9,13.632,-10.0,-11.0,37,0.134
1940.4,1645,81,94,39,4.11,20.8,13.633,-15.5,-14.1,37,-0.113
1941.6,1670,81,94,39,5.96,21.7,13.652,0.8,-13.2,37,-0.074
1942.8,1726,81,94,39,6.07,25.1,13.646,1.0,-12.5,37,-0.032
1944.0,1678,81,94,39,6.05,25.1,13.632,1.6,-12.5,37,-0.008
1945.2,1639,81,94,39,2.95,22.7,13.661,-1.6,-12.9,37,-0.154
1946.4,1625,81,94,39,3.04,13.0,13.662,-1.9,-13.3,37,0.134
1947.6,1570,81,94,38,4.64,23.1,13.652,0.1,-13.3,37,2.344
1948.8,1573,81,94,37,10.90,21.2,13.652,3.1,-10.8,37,1.369
1950.0,1583,81,94,37,9.69,12.5,13.652,2.7,-7.8,37,-0.402
1951.2,1611,81,94,37,5.51,15.7,13.652,-7.8,-11.1,37,-0.130
1952.4,1710,81,94,37,8.08,40.4,13.659,-4.0,-13.0,37,0.216
1953.6,1638,81,94,37,10.98,38.0,13.669,6.3,-7.8,37,-0.113
1954.8,1590,81,94,37,4.25,33.1,13.632,-0.8,-11.1,37,-0.136
1956.0,1577,81,94,37,6.46,20.4,13.639,-3.0,-12.8,37,-0.155
1957.2,1671,81,94,36,9.68,16.9,13.652,3.9,-7.8,37,-0.098
1958.4,1714,81,94,36,3.17,13.9,13.662,-5.5,-10.0,37,0.131
1959.6,1576,81,94,37,4.21,22.7,13.668,-16.4,-13.3,37,0.598
1960.8,1659,81,94,37,7.45,26.1,13.652,0.8,-10.5,37,0.225
1962.0,1744,81,94,37,6.50,31.1,13.652,0.7,-10.9,37,0.004
1963.2,1625,81,94,38,5.34,24.7,13.652,-3.9,-13.3,37,0.043
1964.4,1623,81,94,38,3.21,22.3,13.652,-4.7,-13.3,37,-0.064
1965.6,1617,81,94,38,3.05,12.9,13.650,-4.4,-13.3,37,-0.227
1966.8,1611,81,94,39,2.37,12.8,13.632,0.0,-13.3,37,0.507
1968.0,1566,81,94,38,2.37,9.8,13.632,0.0,-13.3,37,2.444
1969.2,1566,81,94,37,2.37,9.8,13.632,0.0,-13.3,38,2.447
1970.4,1535,81,94,37,2.36,10.1,13.624,0.0,-13.3,38,2.457
1971.6,1505,81,94,37,2.29,10.3,13.515,0.0,-13.3,38,2.469

1972.8,1439,81,94,36,2.25,10.8,13.565,0.0,-13.3,38,2.481
1974.0,1330,81,94,34,2.27,11.8,13.585,0.0,-13.3,38,2.488
1975.2,1286,81,94,33,2.31,11.8,13.577,0.0,-13.3,38,2.488
1976.4,1269,81,94,31,2.39,12.1,13.593,0.0,-13.3,38,2.496
1977.6,1325,81,93,30,16.26,15.5,13.629,0.0,-9.3,38,1.461
1978.8,1644,81,93,31,14.53,37.6,13.652,0.4,-5.1,38,-0.362
1980.0,1614,81,93,32,11.15,39.4,13.652,1.6,-7.8,38,-0.000
1981.2,1520,81,93,32,2.56,32.1,13.652,-13.2,-11.1,38,-0.191
1982.4,1396,81,94,33,2.61,12.2,13.642,-11.9,-13.3,38,0.290
1983.6,1339,81,94,33,2.53,11.8,13.616,0.0,-13.3,38,2.011
1984.8,1270,81,94,31,2.29,12.3,13.574,0.0,-13.3,38,2.444
1986.0,1193,81,94,30,2.35,13.1,13.574,0.0,-13.3,38,2.457
1987.2,1132,81,94,28,2.32,14.5,13.567,0.0,-13.3,38,2.479
1988.4,1026,81,94,27,2.30,15.6,13.553,0.0,-13.3,38,2.496
1989.6,914,81,93,25,2.40,17.4,13.535,0.0,-13.3,38,2.520
1990.8,865,81,93,21,2.34,18.9,13.525,0.0,-13.3,38,1.924
1992.0,1136,81,93,20,2.29,14.1,13.527,0.8,-13.3,38,0.109
1993.2,1043,81,93,18,2.29,15.1,13.574,6.3,-13.3,38,-0.223
1994.4,959,81,93,17,2.32,16.3,13.588,6.8,-13.3,38,-0.280
1995.6,1030,81,93,15,5.92,19.8,13.612,7.3,-11.4,38,-0.258
1996.8,1668,81,93,15,12.08,63.5,13.653,7.7,-7.4,38,-0.036
1998.0,1804,81,93,16,19.68,66.8,13.730,7.0,-1.6,38,-0.238
1999.2,1945,81,93,19,20.86,70.8,13.784,3.5,-1.6,38,-0.156
2000.4,2024,81,93,22,20.76,68.6,13.764,-0.4,-1.6,37,-0.004
2001.6,1946,81,94,24,20.42,63.7,13.476,-3.1,-1.6,37,-0.004
2002.8,1844,81,94,25,10.34,54.9,13.580,-11.3,-6.4,37,-0.234
2004.0,1778,81,94,26,4.70,56.1,13.659,-19.8,-13.1,37,-0.717
2005.2,1739,81,94,27,7.43,60.0,13.613,-16.4,-10.2,37,-0.113
2006.4,1741,81,95,27,14.67,62.6,13.627,-3.5,-7.4,37,-0.109
2007.6,1776,81,95,29,9.17,57.4,13.632,-3.0,-8.1,37,-0.357
2008.8,1232,81,95,29,4.55,12.9,13.632,-9.7,-13.3,37,-1.293
2010.0,1273,81,95,29,2.78,29.4,13.632,0.0,-14.1,37,0.693
2011.2,1462,81,95,29,13.22,53.1,13.646,4.0,-8.3,37,0.907
2012.4,1890,81,95,29,18.72,63.1,13.626,5.4,-2.7,37,-0.041
2013.6,2031,81,95,30,21.42,67.7,13.600,3.7,-1.6,37,-0.047
2014.8,2053,81,95,32,21.37,71.5,13.652,0.0,-1.6,37,-0.021
2016.0,2089,81,95,33,22.51,74.1,13.670,-0.6,-1.6,37,-0.007
2017.2,2112,81,95,35,17.90,72.9,13.663,-2.1,-1.6,36,-0.016
2018.4,1793,81,96,37,3.12,46.0,13.515,-10.2,-10.1,36,-1.138
2019.6,1484,81,96,37,3.00,11.9,13.491,-4.8,-13.3,36,-0.294
2020.8,1489,81,96,35,2.74,10.6,13.476,0.0,-13.3,36,1.905
2022.0,1440,81,96,35,2.40,10.8,13.476,0.0,-13.3,36,2.300
2023.2,1383,81,96,34,2.40,11.1,13.466,0.0,-13.3,37,2.322
2024.4,1296,81,96,33,2.40,12.5,13.457,0.0,-13.3,37,2.391
2025.6,1253,81,96,31,2.39,12.8,13.457,0.0,-13.3,37,2.418
2026.8,1161,81,96,30,2.35,13.6,13.445,0.0,-13.3,37,2.438
2028.0,1008,81,95,28,2.36,16.1,13.430,0.0,-13.3,37,2.451
2029.2,937,81,95,26,2.40,17.3,13.416,0.0,-13.3,37,2.487

2030.4,870,81,95,23,2.43,18.9,13.378,0.0,-13.3,37,2.497
2031.6,813,81,95,21,2.51,20.6,13.408,1.3,-13.3,37,1.770
2032.8,780,81,95,17,2.55,23.5,13.426,2.9,-13.3,38,-0.192
2034.0,819,81,95,13,2.54,22.3,13.398,2.3,-13.3,38,-0.227
2035.2,835,81,95,9,2.51,21.0,13.361,1.9,-13.3,38,-0.283
2036.4,782,81,95,7,2.52,22.7,13.313,1.2,-13.3,38,-0.365
2037.6,744,81,95,5,2.84,23.7,13.271,0.1,-13.3,38,-0.258
2038.8,858,81,95,4,4.39,30.9,13.359,2.3,-13.8,38,-0.186
2040.0,1037,81,94,4,3.29,41.8,13.369,3.3,-13.8,38,-0.223
2041.2,994,81,94,5,2.60,15.7,13.406,4.7,-13.3,38,-0.500
2042.4,926,81,94,5,2.65,35.7,13.476,4.7,-13.3,38,-0.108
2043.6,1232,81,94,5,14.71,48.4,13.516,7.6,-8.8,38,-0.050
2044.8,1914,81,93,9,9.47,34.9,13.542,-0.4,-6.7,38,-0.129
2046.0,1076,81,93,10,3.33,23.1,13.550,-21.0,-13.3,38,-0.023
2047.2,972,81,93,11,2.53,16.4,13.496,-8.6,-13.3,38,0.093
2048.4,794,81,93,9,2.51,20.8,13.496,-6.7,-13.5,38,0.187
2049.6,1264,81,93,6,4.92,47.3,13.503,-2.7,-14.0,38,0.082
2050.8,1742,81,94,6,15.31,56.5,13.554,3.9,-4.7,38,-0.059
2052.0,2280,81,94,11,13.56,51.1,13.573,0.3,-4.2,38,-0.031
2053.2,2025,81,94,13,15.58,71.4,13.599,-4.5,-3.1,38,0.223
2054.4,2112,81,94,16,23.78,50.8,13.632,0.0,-2.1,38,-0.033
2055.6,1905,81,94,20,9.46,21.0,13.632,0.0,-7.1,38,0.608
2056.8,1058,81,94,20,5.43,16.9,13.632,0.9,-12.2,38,1.456
2058.0,1593,81,95,21,8.37,33.0,13.632,3.1,-8.6,38,-0.313
2059.2,1565,81,95,21,11.32,45.3,13.632,1.2,-8.2,38,-0.234
2060.4,1500,81,95,22,10.76,47.1,13.632,-1.3,-7.8,38,-0.108
2061.6,1532,81,95,23,10.28,48.4,13.632,-4.6,-7.8,38,0.047
2062.8,1582,81,95,24,10.75,47.3,13.632,-3.9,-7.8,38,-0.034
2064.0,1636,81,95,25,10.17,47.6,13.645,-6.0,-8.9,38,-0.083
2065.2,1684,81,95,27,13.51,60.8,13.511,-5.0,-9.2,38,-0.105
2066.4,1830,81,96,28,17.97,63.2,13.223,4.7,-1.6,38,-0.063
2067.6,1776,81,96,29,14.71,58.1,13.476,-8.4,-4.8,38,-0.049
2068.8,1528,81,96,30,13.20,35.1,13.476,-8.9,-6.8,38,0.027
2070.0,1834,81,96,31,14.56,72.9,13.485,0.9,-6.3,38,0.258
2071.2,1960,81,96,32,22.37,74.2,13.535,2.3,-1.6,38,-0.001
2072.4,2076,81,96,33,23.17,75.6,13.535,1.0,-1.6,38,-0.054
2073.6,2117,81,96,34,23.41,75.3,13.528,-0.4,-1.6,38,-0.029
2074.8,2136,81,96,36,23.33,74.5,13.515,-2.3,-1.6,38,-0.039
2076.0,1911,81,96,38,21.95,63.7,13.515,-13.3,-4.2,38,-0.160
2077.2,1662,81,96,39,16.91,49.6,13.491,-5.4,-5.2,38,-0.151
2078.4,1695,81,96,39,15.87,71.0,13.364,0.6,-4.4,38,0.015
2079.6,1721,81,96,40,17.65,68.1,13.125,-2.3,-3.1,38,-0.051
2080.8,1747,81,97,41,18.10,66.6,13.352,-0.1,-2.4,38,-0.027
2082.0,1767,81,97,41,21.52,74.1,13.496,1.0,-1.6,38,0.001
2083.2,2104,81,97,41,25.39,74.6,13.502,-1.1,-1.6,38,-0.020
2084.4,2209,81,97,42,24.73,60.0,13.535,-7.0,-1.6,38,-0.062
2085.6,2080,81,97,43,14.31,32.9,13.535,-13.4,-5.4,38,-0.189
2086.8,1777,81,97,43,6.69,12.9,13.535,-17.0,-11.1,38,-0.279

2088.0,1738,81,97,42,3.45,28.4,13.535,0.0,-13.3,38,1.847
2089.2,1693,81,97,40,7.42,56.9,13.524,-3.0,-13.3,38,1.055
2090.4,1705,81,97,40,7.58,23.9,13.510,-5.1,-13.3,38,-0.696
2091.6,1641,81,97,40,3.12,12.5,13.496,0.0,-13.3,38,1.309
2092.8,1557,81,97,39,2.40,11.9,13.482,0.0,-13.3,38,1.818
2094.0,1472,81,96,36,2.37,11.0,13.468,0.0,-13.3,38,2.347
2095.2,1364,81,96,35,2.36,11.0,13.461,0.0,-13.3,38,2.383
2096.4,1312,81,96,33,2.39,11.7,13.476,0.0,-13.3,38,2.411
2097.6,1234,81,96,31,2.31,22.2,13.490,0.0,-13.3,38,2.433
2098.8,1203,81,96,30,10.57,50.6,13.562,2.1,-10.2,38,1.887
2100.0,1833,81,96,29,15.53,37.3,13.645,5.2,-2.1,38,-0.336
2101.2,1629,81,96,29,8.39,47.4,13.613,-2.3,-9.4,38,-0.064
2102.4,1601,81,95,29,11.81,62.2,13.613,4.1,-6.9,38,0.007
2103.6,1909,81,96,30,15.07,68.2,13.627,5.1,-5.2,38,-0.056
2104.8,1575,81,96,31,16.92,46.9,13.652,-3.9,-7.0,38,-0.207
2106.0,1651,81,96,32,11.14,35.8,13.652,-0.7,-6.7,38,-0.038
2107.2,1878,81,96,31,15.78,65.1,13.673,2.2,-5.3,38,0.178
2108.4,2010,81,96,32,21.58,71.2,13.712,3.7,-1.6,38,-0.031
2109.6,2076,81,96,33,23.78,75.5,13.730,0.8,-1.6,38,-0.036
2110.8,1999,81,96,35,23.10,68.7,13.719,-1.8,-1.6,38,-0.139
2112.0,1578,81,96,36,15.49,12.2,13.622,-3.6,-3.8,38,-0.411
2113.2,1361,81,97,36,2.63,12.2,13.417,0.0,-13.3,38,-1.000
2114.4,1265,81,97,34,2.57,12.3,13.457,0.0,-13.3,38,0.756
2115.6,1258,81,98,32,2.46,12.6,13.446,0.0,-13.3,38,2.185
2116.8,1166,81,98,29,2.40,13.3,13.443,0.0,-13.3,38,2.310
2118.0,1042,81,98,28,2.41,15.5,13.451,0.0,-13.3,38,2.379
2119.2,911,81,98,26,2.46,18.2,13.398,0.0,-13.3,38,2.407
2120.4,855,81,97,22,2.51,19.7,13.398,0.0,-13.3,38,1.710
2121.6,1021,81,97,20,2.53,14.9,13.412,-0.3,-13.3,38,0.092
2122.8,964,81,97,18,2.51,16.7,13.457,-1.6,-13.3,38,-0.270
2124.0,918,81,97,16,2.45,18.8,13.443,-0.6,-13.3,38,-0.285
2125.2,916,81,97,14,4.62,18.4,13.437,0.5,-11.9,38,-0.293
2126.4,1426,81,97,14,9.08,40.4,13.441,1.6,-7.8,38,-0.230
2127.6,1789,81,96,15,16.31,51.8,13.476,3.9,-5.3,38,-0.263
2128.8,1995,81,96,18,14.31,47.5,13.506,-0.8,-5.1,38,-0.233
2130.0,1486,81,96,19,12.00,35.5,13.532,-8.4,-7.8,38,-0.055
2131.2,1462,81,95,21,8.65,33.7,13.515,-4.7,-9.4,38,0.082
2132.4,1441,81,95,21,8.54,42.9,13.505,-2.1,-9.9,38,0.109
2133.6,1494,81,95,23,8.13,53.3,13.500,-0.8,-9.6,39,-0.074
2134.8,1497,81,96,24,7.29,33.9,13.515,-8.6,-11.7,39,-0.281
2136.0,1572,81,96,24,4.27,18.7,13.515,-8.6,-12.9,39,-0.054
2137.2,1769,81,96,24,6.59,52.5,13.515,-7.6,-12.9,39,0.203
2138.4,1661,81,96,25,10.97,33.6,13.515,-4.7,-7.8,39,-0.039
2139.6,1476,81,95,26,2.62,14.6,13.489,-2.0,-10.5,39,0.066
2140.8,1119,81,95,23,2.56,15.7,13.476,0.4,-13.3,40,0.172
2142.0,1095,81,95,20,3.07,37.7,13.476,1.6,-13.3,40,-0.258
2143.2,1419,81,96,18,11.04,57.6,13.496,2.7,-9.1,40,-0.202
2144.4,1715,81,95,19,14.81,60.8,13.507,-2.0,-9.6,40,-0.397

2145.6,1332,81,95,21,12.09,12.2,13.515,-6.5,-13.4,40,-0.807
2146.8,1320,81,95,21,2.90,12.6,13.515,0.0,-14.1,40,-0.031
2148.0,1143,81,95,20,2.40,14.1,13.471,3.2,-13.6,40,0.025
2149.2,1028,81,95,14,8.31,18.6,13.520,5.3,-10.2,40,0.056
2150.4,1954,81,95,14,14.18,57.3,13.613,6.3,-3.1,40,-0.000
2151.6,1786,81,95,14,5.79,62.3,13.652,-4.0,-7.8,40,-0.017
2152.8,1617,81,95,16,14.76,72.2,13.652,-0.8,-6.5,40,-0.040
2154.0,1955,81,95,18,20.01,69.4,13.658,4.6,-1.6,40,-0.056
2155.2,1988,81,95,20,20.36,68.4,13.671,-0.8,-1.6,40,-0.031
2156.4,1950,81,95,22,18.25,66.2,13.658,-4.6,-2.4,40,-0.017
2157.6,1807,81,96,25,14.44,61.6,13.652,-9.7,-4.1,40,-0.035
2158.8,1771,81,96,26,11.07,52.1,13.652,-14.5,-7.0,40,-0.203
2160.0,1762,81,96,27,15.31,51.4,13.652,6.3,-5.5,40,-0.119
2161.2,1791,81,97,29,17.08,60.7,13.415,3.5,-3.8,40,-0.061
2162.4,1889,81,97,30,17.14,59.2,13.271,-2.0,-3.7,39,-0.122
2163.6,1799,81,97,30,14.43,32.6,13.459,-10.9,-13.3,39,-1.367
2164.8,1751,81,98,31,10.60,35.5,13.496,-6.3,-9.1,39,-0.421
2166.0,1785,81,98,30,17.42,67.8,13.496,-0.5,-4.4,39,0.118
2167.2,1980,81,98,31,20.49,68.2,13.321,1.7,-1.6,39,-0.049
2168.4,1990,81,98,32,19.23,43.4,12.949,-2.3,-1.6,39,-0.016
2169.6,1771,81,98,32,2.40,19.4,13.294,-7.1,-8.7,39,-0.972
2170.8,1309,81,98,32,2.48,13.3,13.436,-5.7,-13.3,39,-0.786
2172.0,1214,81,98,31,4.35,17.9,13.464,0.5,-13.2,40,2.066
2173.2,1481,81,98,29,8.86,40.0,13.496,7.0,-8.6,40,0.425
2174.4,1798,81,98,29,18.76,66.7,13.508,4.4,-5.1,40,-0.177
2175.6,1925,81,98,30,19.35,68.6,13.246,1.2,-1.6,40,-0.092
2176.8,1925,81,98,31,19.27,65.9,12.938,-2.5,-1.9,40,-0.031
2178.0,1780,81,97,32,17.21,42.4,13.515,-9.4,-7.0,40,-0.140
2179.2,1558,81,97,32,7.35,14.0,13.492,-11.0,-9.8,40,-0.562
2180.4,1233,81,97,31,2.44,13.3,13.452,-9.5,-13.3,40,-0.837
2181.6,1127,81,98,29,2.40,14.4,13.397,0.0,-13.3,40,2.176
2182.8,1020,81,98,27,2.28,15.7,13.378,0.0,-13.3,40,2.260
2184.0,943,81,98,24,2.34,16.5,13.412,0.0,-13.3,40,2.366
2185.2,884,81,98,23,2.41,17.5,13.444,0.0,-13.3,40,2.410
2186.4,851,81,98,22,2.43,18.9,13.378,0.0,-13.3,40,2.284
2187.6,808,81,98,21,2.47,20.5,13.388,1.0,-13.3,40,1.620
2188.8,767,81,98,17,2.50,22.0,13.360,2.3,-13.3,40,-0.241
2190.0,669,81,98,11,2.50,26.9,13.242,2.3,-13.3,40,-0.352
2191.2,601,81,97,4,2.51,31.7,13.116,1.0,-13.3,40,-0.304
2192.4,636,81,97,2,2.51,25.9,13.092,-0.2,-13.3,40,-0.252
2193.6,632,81,97,2,2.47,26.2,13.157,-1.0,-13.3,40,-0.418
2194.8,625,81,97,1,2.38,24.5,13.126,-3.1,-13.3,40,-0.335
2196.0,638,81,97,0,2.28,23.4,13.242,-3.1,-13.3,40,-0.324
2197.2,646,81,97,0,2.40,23.8,13.195,-3.5,-13.3,40,-0.261
2198.4,613,81,97,0,2.34,23.5,13.164,-3.9,-13.3,41,-0.126
2199.6,619,81,97,0,2.26,23.7,13.162,-3.9,-13.3,41,0.008
2200.8,622,81,97,0,2.48,23.7,13.144,-3.1,-13.3,41,-0.003
2202.0,622,81,97,0,2.27,23.1,13.144,-1.8,-13.3,41,0.001

2203.2,616,81,97,0,2.17,23.4,13.153,0.1,-13.3,41,0.039
2204.4,637,81,97,0,2.34,23.8,13.222,1.6,-13.3,41,0.039
2205.6,657,81,96,0,2.29,24.2,13.170,1.2,-13.3,41,0.013
2206.8,628,81,96,0,2.30,23.1,13.144,0.9,-13.3,41,-0.038
2208.0,644,81,96,0,2.34,23.1,13.203,1.6,-13.3,41,-0.016
2209.2,650,81,96,0,2.10,23.0,13.232,1.6,-13.3,41,0.027
2210.4,643,81,96,0,2.11,22.7,13.192,1.9,-13.3,41,0.029
2211.6,632,81,96,0,2.14,22.7,13.134,2.0,-13.3,41,-0.057
2212.8,628,81,96,0,2.17,23.5,13.105,0.8,-13.3,41,-0.012
2214.0,629,81,97,0,2.23,24.0,13.105,1.3,-13.3,41,0.002
2215.2,639,81,97,0,2.22,23.1,13.145,1.6,-13.3,41,0.012
2216.4,661,81,97,0,2.22,22.8,13.210,1.6,-13.3,41,-0.000
2217.6,741,81,97,0,2.61,40.3,13.261,0.8,-13.9,41,-0.048
2218.8,1114,81,97,1,9.85,56.2,13.328,2.7,-10.6,41,-0.022
2220.0,1764,81,97,5,13.29,51.9,13.387,2.9,-5.8,41,0.001
2221.2,2461,81,97,10,12.70,63.9,13.441,-3.9,-2.5,41,-0.050
2222.4,1990,81,97,13,8.16,35.4,13.493,-21.0,-7.8,41,0.109
2223.6,1454,81,97,15,2.68,13.8,13.437,0.0,-10.9,41,-0.021
2224.8,853,81,97,14,2.56,19.2,13.368,-2.0,-13.3,42,-0.144
2226.0,783,81,98,12,2.37,20.1,13.203,-9.4,-13.3,42,-0.016
2227.2,728,81,98,9,2.39,24.7,13.228,-8.5,-13.3,42,0.017
2228.4,804,81,98,6,5.65,44.6,13.263,-5.0,-12.0,42,0.051
2229.6,1497,81,98,7,9.39,11.4,13.295,1.6,-7.8,42,-0.035
2230.8,1242,81,98,8,2.50,14.1,13.222,-4.7,-11.3,42,0.012
2232.0,830,81,98,7,2.42,20.8,13.176,-3.2,-13.3,42,0.053
2233.2,742,81,98,5,3.86,22.4,13.087,-0.3,-13.3,42,0.059
2234.4,1227,81,98,5,8.58,35.6,12.851,6.3,-7.8,42,0.027
2235.6,1758,81,98,6,12.73,48.2,13.109,2.1,-7.8,42,-0.054
2236.8,2062,81,98,10,12.85,37.3,13.303,-0.0,-7.4,42,-0.147
2238.0,1967,81,98,11,13.35,52.2,13.359,6.3,-4.7,42,0.031
2239.2,1940,81,97,13,16.17,61.1,13.378,-1.3,-4.2,42,-0.005
2240.4,1977,81,97,18,15.56,50.7,13.378,-4.9,-4.6,42,-0.044
2241.6,1841,81,97,20,11.37,13.3,13.374,-3.4,-6.8,43,-0.059
2242.8,1419,81,97,20,3.94,14.1,13.359,0.0,-13.3,43,-0.008
2244.0,1023,81,98,19,2.40,15.3,13.335,-6.2,-13.3,43,-0.018
2245.2,878,81,98,16,4.36,18.0,13.320,-9.9,-13.0,43,0.006
2246.4,1316,81,98,15,7.97,36.8,13.326,-7.0,-11.7,43,0.258
2247.6,1547,81,98,15,13.31,46.7,13.417,6.3,-8.7,43,0.094
2248.8,1621,81,98,17,12.69,40.1,13.417,6.0,-7.0,43,-0.030
2250.0,1782,81,98,17,13.92,65.9,13.412,5.4,-7.0,43,0.031
2251.2,1884,81,97,19,20.04,68.8,13.378,3.9,-1.6,43,0.002
2252.4,1877,81,97,22,21.02,66.4,13.422,-2.0,-4.3,43,-0.404
2253.6,1415,81,97,24,15.35,12.5,13.443,-6.4,-8.5,43,-0.962
2254.8,1299,81,97,24,2.50,13.0,13.398,0.0,-13.3,43,0.957
2256.0,1161,81,98,22,2.26,13.8,13.386,0.0,-13.3,43,1.473
2257.2,1060,81,98,19,8.34,14.1,13.396,0.0,-11.2,43,2.033
2258.4,1617,81,98,18,17.73,49.7,13.442,0.0,-1.6,43,-0.008
2259.6,1964,81,98,18,22.67,76.0,13.574,1.3,-1.6,43,-0.053

2260.8,2021,81,97,22,21.99,75.7,13.612,0.4,-1.6,43,-0.122
2262.0,1821,81,97,23,20.20,49.7,13.687,-5.5,-1.6,43,-0.191
2263.2,1747,81,97,24,13.17,40.0,13.593,-4.5,-4.2,43,0.008
2264.4,1836,81,97,24,15.54,71.4,13.593,-2.4,-5.1,43,0.148
2265.6,1764,81,97,25,13.34,54.5,13.593,-3.9,-3.8,43,-0.098
2266.8,1681,81,98,26,6.72,47.1,13.594,-20.3,-14.1,43,-0.410
2268.0,1663,81,98,26,18.14,35.1,13.613,-2.6,-7.2,43,-0.253
2269.2,1797,81,98,26,12.29,13.3,13.435,3.7,-4.7,43,-0.179
2270.4,1356,81,98,26,4.39,19.7,13.175,-7.6,-14.1,43,-0.707
2271.6,1089,81,98,26,2.56,40.7,13.398,-18.8,-13.5,43,-0.260
2272.8,1246,81,98,25,13.51,64.8,13.351,-6.4,-7.8,43,-0.006
2274.0,1967,81,99,24,20.82,71.8,13.414,3.1,-1.6,43,-0.003
2275.2,2133,81,99,25,23.11,73.2,13.526,1.0,-1.6,42,-0.042
2276.4,2166,81,98,27,23.31,73.3,13.496,-1.6,-1.6,42,-0.031
2277.6,2208,81,98,28,23.93,71.4,13.508,-2.9,-1.6,42,-0.029
2278.8,2250,81,98,30,19.92,66.7,13.479,-8.6,-2.6,42,-0.032
2280.0,1785,81,98,31,13.86,45.6,13.422,-20.6,-6.3,42,-0.066
2281.2,1599,81,98,32,7.59,26.2,13.457,-13.3,-10.2,42,0.134
2282.4,1345,81,99,32,4.36,12.3,13.457,-6.9,-11.5,42,0.190
2283.6,1184,81,99,30,2.47,14.1,13.441,0.0,-13.3,42,0.117
2284.8,1026,81,99,27,2.26,15.9,13.378,0.0,-13.3,42,1.584
2286.0,1009,81,99,23,10.23,21.1,13.419,0.0,-9.5,42,1.476
2287.2,1922,81,99,22,16.44,68.6,13.469,0.2,-3.9,42,0.051
2288.4,1843,81,99,21,19.31,72.1,13.535,3.9,-1.6,42,-0.062
2289.6,1727,81,98,22,20.03,80.0,13.259,3.6,-1.6,42,-0.140
2290.8,2071,81,98,23,21.26,76.8,13.043,3.0,-1.6,43,-0.059
2292.0,2104,81,98,25,23.32,74.2,13.417,0.8,-1.6,43,-0.054
2293.2,2135,81,98,25,21.93,71.6,13.466,-2.3,-1.6,43,-0.030
2294.4,2104,81,98,27,16.16,61.6,13.489,-9.2,-3.0,43,0.014
2295.6,1600,81,98,28,11.14,69.6,13.478,-20.1,-7.8,43,0.109
2296.8,1754,81,98,29,18.32,69.6,13.496,5.5,-2.6,43,-0.065
2298.0,1768,81,99,30,13.25,57.6,13.469,-5.4,-6.1,43,-0.103
2299.2,1424,81,99,30,9.30,27.8,13.457,-11.3,-10.5,43,-0.039
2300.4,1480,81,99,30,8.34,38.6,13.460,-7.3,-11.7,43,0.262
2301.6,1620,81,99,29,15.09,51.8,13.476,12.5,-6.2,43,0.077
2302.8,1868,81,99,29,17.66,66.6,13.476,6.5,-3.0,43,-0.024
2304.0,1929,81,99,29,19.32,69.8,13.476,-0.2,-1.6,43,-0.002
2305.2,1894,81,99,30,19.36,63.4,13.476,-0.8,-1.6,43,-0.094
2306.4,1838,81,99,30,14.59,55.1,13.496,-2.3,-3.7,43,-0.068
2307.6,1760,81,99,31,8.74,44.7,13.480,-9.4,-7.3,43,-0.091
2308.8,1235,81,99,31,2.79,21.3,13.457,-19.6,-13.3,43,-0.414
2310.0,1193,81,100,30,2.65,19.1,13.457,0.0,-13.3,43,0.781
2311.2,1320,81,100,28,11.57,34.0,13.470,3.4,-9.9,43,0.544
2312.4,1692,81,100,27,12.99,62.7,13.476,5.2,-6.6,43,-0.189
2313.6,1793,81,100,27,15.18,65.1,13.476,4.5,-5.5,43,-0.000
2314.8,1828,81,99,28,17.88,64.6,13.476,2.3,-2.3,43,-0.023
2316.0,1700,81,99,28,10.54,55.5,13.489,-5.4,-6.0,43,-0.034
2317.2,1360,81,99,28,7.35,24.3,13.482,-13.0,-10.3,43,-0.028

2318.4,1189,81,99,28,3.01,17.9,13.453,-17.9,-13.3,43,0.074
2319.6,1033,81,99,27,2.21,15.2,13.398,0.0,-13.3,43,1.025
2320.8,899,81,100,24,2.27,16.5,13.297,0.0,-13.3,43,1.879
2322.0,837,81,100,21,2.35,18.0,13.239,0.0,-13.3,43,1.926
2323.2,910,81,100,18,2.45,17.3,13.457,0.0,-13.3,43,0.240
2324.4,924,81,100,16,2.42,16.7,13.404,0.5,-13.3,43,-0.317
2325.6,838,81,100,14,2.41,17.3,13.350,1.5,-13.3,43,-0.268
2326.8,802,81,100,12,2.40,18.2,13.296,3.1,-13.3,43,-0.246
2328.0,896,81,99,9,2.46,25.7,13.242,5.5,-13.8,43,-0.248
2329.2,1133,81,99,7,7.21,42.7,13.302,6.3,-12.2,43,-0.214
2330.4,2015,81,99,8,11.75,41.6,13.378,7.7,-7.0,43,-0.066
2331.6,1858,81,98,10,13.59,42.5,13.378,6.3,-7.0,43,-0.021
2332.8,1612,81,98,14,10.83,42.4,13.398,5.3,-9.3,43,-0.058
2334.0,1185,81,98,14,7.08,20.4,13.392,3.3,-13.3,43,-0.195
2335.2,1003,81,98,13,2.26,19.2,13.261,-4.7,-13.3,43,-0.007
2336.4,798,81,98,11,2.26,19.5,13.236,-3.3,-13.3,43,0.068
2337.6,653,81,98,6,2.22,24.7,13.043,-1.9,-13.3,43,0.081
2338.8,575,81,98,4,2.22,26.5,12.739,-0.5,-13.3,43,0.129
2340.0,594,81,99,2,2.39,35.3,12.773,3.1,-13.3,43,0.068
2341.2,627,81,99,2,3.27,48.3,12.724,5.2,-13.3,43,0.009
2342.4,698,81,99,1,4.05,25.1,12.708,7.7,-13.4,43,-0.039
2343.6,813,81,99,0,4.25,22.7,12.851,7.0,-14.1,43,0.079
2344.8,828,81,99,0,2.84,21.4,12.732,8.3,-13.7,43,0.062
2346.0,571,81,99,0,2.41,27.5,12.702,9.6,-13.3,43,-0.010
2347.2,639,81,99,0,2.64,27.5,12.797,10.0,-13.3,43,0.004
2348.4,635,81,100,0,2.64,27.7,12.832,6.3,-13.3,43,-0.030
2349.6,628,81,100,0,2.62,28.2,12.851,5.4,-13.3,43,-0.051
2350.8,628,81,100,0,3.35,29.0,12.883,3.9,-13.3,44,-0.039
2352.0,770,81,100,0,5.73,28.7,12.949,3.9,-12.8,44,0.033
2353.2,1029,81,99,2,7.21,27.8,12.894,5.0,-11.6,44,0.037
2354.4,1461,81,99,5,8.83,32.4,12.813,7.0,-9.4,44,-0.102
2355.6,1390,81,99,8,8.06,31.6,12.949,2.5,-10.1,44,-0.000
2356.8,1242,81,99,9,5.54,20.0,12.976,-0.4,-11.3,44,0.132
2358.0,1015,81,99,10,3.60,46.3,13.024,0.8,-14.1,44,-0.078
2359.2,1122,81,100,11,10.84,54.7,12.988,1.6,-12.2,44,-0.122
2360.4,1380,81,100,12,8.76,32.2,13.080,1.3,-11.6,44,-0.149
2361.6,1046,81,100,14,6.13,16.5,13.191,0.1,-13.3,44,-0.102
2362.8,1010,81,100,15,2.57,16.3,13.242,-9.4,-13.3,44,-0.014
2364.0,972,81,99,16,2.41,16.0,13.280,-7.6,-13.3,44,0.056
2365.2,958,81,98,16,2.28,15.3,13.265,-4.0,-13.3,44,0.085
2366.4,940,81,98,16,2.18,15.9,13.203,1.6,-13.3,44,0.035
2367.6,922,81,98,16,2.20,16.5,13.230,1.1,-13.3,45,-0.005
2368.8,906,81,98,16,2.21,16.5,13.242,0.5,-13.3,45,-0.038
2370.0,850,81,98,15,2.20,17.3,13.233,0.0,-13.3,45,-0.008
2371.2,829,81,97,13,2.18,18.2,13.183,0.0,-13.3,45,-0.013
2372.4,796,81,97,10,2.21,19.2,13.175,-0.3,-13.3,45,-0.011
2373.6,731,81,97,8,2.23,21.1,13.121,-0.8,-13.3,45,0.008
2374.8,653,81,97,4,2.25,24.2,12.792,0.0,-13.3,45,0.028

2376.0,613,81,97,2,2.32,25.8,12.924,1.7,-13.3,45,0.013
2377.2,735,81,97,2,2.24,19.6,13.000,1.5,-13.3,45,-0.035
2378.4,662,81,97,1,2.10,21.5,12.991,-2.3,-13.3,45,-0.074
2379.6,636,81,97,0,2.17,22.8,13.027,0.0,-13.3,45,-0.005
2380.8,655,81,97,0,2.15,23.1,13.056,0.4,-13.3,45,0.025
2382.0,753,81,97,0,2.13,18.8,13.085,0.6,-13.3,45,-0.023
2383.2,733,81,97,0,2.09,19.3,13.085,-1.6,-13.3,45,-0.013
2384.4,708,81,97,0,2.08,20.4,13.085,-1.2,-13.3,45,-0.005
2385.6,725,81,97,0,2.04,18.8,13.085,-0.8,-13.3,45,-0.000
2386.8,716,81,96,0,2.01,19.7,13.085,-0.8,-13.3,45,0.015
2388.0,710,81,96,0,2.10,20.4,13.066,-0.3,-13.3,45,0.003