

Test Name	AL, PIR, rep 3
Cladding	Aluminium
Cladding Thickness [mm]	2
Insulation	Polyisocyanurate (PIR) foam
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	3
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of an Aluminium cladding panel and a Polyisocyanurate (PIR) foam insulation panel, separated with a cavity of 50 mm width. It is the third repetition of this system configuration.
Experiment Notes	At approximately 7 minutes the aluminium panel began to touch the insulation panel, affecting the mass measurements.
Peak HRR [kW]	4.48
Time to Peak HRR [mins]	0.52
Residual HRR [kW]	1.76
Total HR [MJ]	0.122
Peak dQ/dt [kW/s]	0.155
Time to Peak dQ/dt [s]	1

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	-0.0306	-0.0306	3.1889	1.8616	-0.0007	5.0498	0.0496	0.327	0.0163	0.3929
1	0.155	0.161	3.1884	1.8613	-0.0008	5.0488	0.041	0.3118	0.0138	0.3666
2	0.359	0.323	3.1891	1.8605	-0.0008	5.0488	0.0394	0.3091	0.0114	0.36
3	0.475	0.564	3.1895	1.8601	-0.0009	5.0486	0.0304	0.3004	0.0094	0.3402
4	0.657	1	3.189	1.8594	-0.001	5.0474	0.0363	0.2984	0.0097	0.3445
5	0.953	1.64	3.1884	1.859	-0.001	5.0464	0.0438	0.295	0.0116	0.3503
6	1.38	2.42	3.1883	1.8579	-0.0011	5.0451	0.0465	0.2892	0.0133	0.349
7	2.01	3.22	3.1876	1.8576	-0.001	5.0442	0.0623	0.2833	0.014	0.3596
8	3.08	3.99	3.187	1.8571	-0.001	5.043	0.0827	0.2802	0.016	0.3789
9	4.06	4.66	3.1864	1.8564	-0.0012	5.0416	0.0895	0.2832	0.0169	0.3896
10	4.96	5.26	3.1856	1.8556	-0.0012	5.04	0.0915	0.2873	0.0155	0.3943
11	6.04	5.87	3.1852	1.8551	-0.0011	5.0392	0.0895	0.2911	0.0137	0.3943
12	7.34	6.52	3.1849	1.8541	-0.001	5.038	0.0868	0.2901	0.0098	0.3868
13	8.11	7.19	3.1851	1.8532	-0.001	5.0373	0.0946	0.2832	0.0056	0.3835
14	8.79	7.87	3.1851	1.8521	-0.0011	5.036	0.1067	0.2767	0.0047	0.3881
15	9.6	8.58	3.1854	1.8515	-0.0013	5.0356	0.1185	0.2638	0.0046	0.3869
16	9.93	9.23	3.186	1.8509	-0.0013	5.0357	0.1213	0.2542	0.003	0.3785
17	10.3	9.85	3.1867	1.85	-0.0012	5.0356	0.138	0.2418	0.0033	0.3831
18	10.5	10.4	3.1878	1.8498	-0.0011	5.0364	0.1447	0.2386	0.0065	0.3899
19	11.3	10.9	3.1891	1.8491	-0.001	5.0372	0.1465	0.2326	0.0096	0.3888
20	11.8	11.3	3.19	1.8487	-0.0009	5.0377	0.1454	0.2336	0.0126	0.3916
21	12.8	11.7	3.1907	1.8486	-0.0009	5.0384	0.1448	0.2364	0.0155	0.3967
22	13.1	12	3.1914	1.8484	-0.0009	5.0389	0.1507	0.236	0.0158	0.4025
23	13.7	12.3	3.1931	1.8483	-0.0009	5.0406	0.1579	0.2394	0.0141	0.4114
24	14.3	12.5	3.195	1.848	-0.0008	5.0422	0.1578	0.2434	0.0146	0.4158
25	13.7	12.7	3.1964	1.848	-0.0008	5.0436	0.157	0.2424	0.0147	0.414
26	13.8	12.8	3.197	1.8479	-0.0008	5.0441	0.1422	0.2419	0.0145	0.3986
27	12.8	12.9	3.197	1.8478	-0.0008	5.044	0.1256	0.2469	0.0116	0.3842
28	13.5	13	3.1966	1.8478	-0.0008	5.0436	0.102	0.2486	0.0101	0.3606

29	14.3	13	3.196	1.8479	-0.0009	5.0431	0.0976	0.2454	0.0092	0.3522
30	12.8	13	3.1949	1.848	-0.0008	5.0421	0.0906	0.2428	0.0092	0.3425
31	13.3	13	3.1947	1.848	-0.0008	5.0419	0.0827	0.2406	0.0074	0.3307
32	13.3	12.9	3.1952	1.8478	-0.0008	5.0421	0.0833	0.2377	0.0073	0.3283
33	13.1	12.8	3.1959	1.8478	-0.0009	5.0427	0.0904	0.2355	0.0087	0.3345
34	13	12.6	3.1961	1.8477	-0.0009	5.0429	0.1017	0.2307	0.0103	0.3428
35	12.7	12.5	3.1956	1.8476	-0.0007	5.0425	0.1063	0.226	0.0115	0.3438
36	12	12.3	3.1951	1.8474	-0.0007	5.0419	0.1076	0.2241	0.0126	0.3444
37	12	12.2	3.1949	1.8475	-0.0007	5.0417	0.11	0.2217	0.0148	0.3465
38	11.5	12.1	3.1945	1.8478	-0.0007	5.0416	0.1126	0.2227	0.0148	0.3501
39	11.9	11.9	3.1941	1.8477	-0.0009	5.0409	0.1173	0.2222	0.0148	0.3543
40	12.1	11.9	3.1933	1.8478	-0.001	5.0402	0.1198	0.2188	0.0158	0.3544
41	11.5	11.7	3.1926	1.8479	-0.001	5.0395	0.1192	0.2156	0.0172	0.352
42	11.6	11.6	3.1911	1.8479	-0.0013	5.0378	0.1198	0.2137	0.0185	0.352
43	11.1	11.5	3.19	1.8478	-0.0013	5.0365	0.1163	0.2172	0.0177	0.3513
44	10.8	11.4	3.189	1.8476	-0.0014	5.0353	0.1132	0.218	0.0164	0.3475
45	11.2	11.3	3.1878	1.8472	-0.0015	5.0335	0.1132	0.2201	0.0165	0.3498
46	11	11.3	3.1861	1.8469	-0.0016	5.0315	0.1123	0.2139	0.0167	0.3428
47	11.1	11.2	3.1851	1.8468	-0.0015	5.0304	0.113	0.2093	0.0156	0.3378
48	10.9	11.2	3.1853	1.8465	-0.0015	5.0303	0.113	0.21	0.0163	0.3394
49	11	11.1	3.1861	1.8462	-0.0014	5.0309	0.1108	0.2093	0.0193	0.3394
50	10.6	11	3.1865	1.8466	-0.0013	5.0318	0.1092	0.2109	0.0202	0.3402
51	10.7	10.9	3.1865	1.8465	-0.0012	5.0318	0.114	0.2023	0.0194	0.3357
52	11.1	10.8	3.187	1.8466	-0.0011	5.0325	0.1073	0.1998	0.0166	0.3238
53	11.3	10.7	3.1866	1.8464	-0.0011	5.0319	0.113	0.194	0.0158	0.3229
54	11.2	10.7	3.1862	1.8463	-0.0012	5.0312	0.1165	0.1896	0.0147	0.3209
55	11.5	10.7	3.186	1.8463	-0.0013	5.031	0.1112	0.1822	0.0133	0.3067
56	11.1	10.6	3.185	1.8464	-0.0014	5.03	0.104	0.1806	0.0138	0.2983
57	10.9	10.6	3.1838	1.8463	-0.0015	5.0285	0.1034	0.1732	0.0134	0.29
58	10.4	10.5	3.1833	1.8458	-0.0016	5.0275	0.0932	0.1734	0.0157	0.2822
59	9.96	10.5	3.1831	1.8453	-0.0015	5.0269	0.0825	0.1713	0.0159	0.2698
60	9.72	10.4	3.1831	1.8448	-0.0014	5.0265	0.071	0.1696	0.0118	0.2524
61	9.87	10.4	3.1832	1.8446	-0.0012	5.0265	0.0604	0.1647	0.0098	0.2349
62	9.84	10.3	3.1826	1.8447	-0.001	5.0264	0.0542	0.1621	0.0098	0.2261
63	10.2	10.3	3.1817	1.8448	-0.0009	5.0257	0.048	0.1528	0.0108	0.2117
64	10.2	10.2	3.1809	1.8454	-0.0009	5.0254	0.0489	0.1443	0.0121	0.2053
65	10.2	10.1	3.1806	1.8458	-0.0008	5.0255	0.0462	0.1325	0.0115	0.1901

66	9.83	10	3.1793	1.8463	-0.0008	5.0248	0.0452	0.1276	0.0098	0.1826
67	10.4	10	3.1787	1.8463	-0.001	5.024	0.0504	0.1216	0.0103	0.1823
68	10	10	3.1785	1.8465	-0.0013	5.0237	0.0564	0.1147	0.0119	0.1831
69	9.67	10	3.1784	1.8462	-0.0015	5.0231	0.0615	0.1132	0.0159	0.1905
70	9.95	10	3.1783	1.8458	-0.0017	5.0224	0.0718	0.1095	0.0159	0.1972
71	10.1	10.1	3.1777	1.8456	-0.0017	5.0215	0.0755	0.1066	0.0168	0.1989
72	10.2	10.1	3.1771	1.8451	-0.0016	5.0205	0.0821	0.1082	0.016	0.2063
73	9.75	10.1	3.1769	1.8445	-0.0017	5.0197	0.0875	0.1064	0.0168	0.2107
74	9.56	10	3.1768	1.8444	-0.0017	5.0195	0.1039	0.1076	0.0184	0.2298
75	10.2	10	3.1778	1.8442	-0.0017	5.0202	0.1231	0.1069	0.019	0.249
76	10.2	9.99	3.1789	1.8435	-0.0015	5.0209	0.1412	0.1111	0.019	0.2713
77	10.4	9.94	3.1806	1.8432	-0.0014	5.0224	0.1485	0.114	0.0182	0.2807
78	9.98	9.9	3.1809	1.8432	-0.0013	5.0227	0.1426	0.1174	0.0163	0.2763
79	10.5	9.93	3.1813	1.8431	-0.0013	5.0231	0.132	0.1171	0.0151	0.2641
80	10.2	9.93	3.1819	1.8431	-0.0012	5.0237	0.1263	0.12	0.0141	0.2604
81	9.92	9.89	3.1817	1.8431	-0.0012	5.0236	0.1117	0.1241	0.0151	0.2509
82	10.3	9.87	3.1811	1.843	-0.0013	5.0228	0.1067	0.125	0.016	0.2477
83	9.62	9.87	3.18	1.8432	-0.0015	5.0217	0.1084	0.1249	0.0158	0.2491
84	9.75	9.88	3.1795	1.8433	-0.0016	5.0213	0.1149	0.129	0.0147	0.2585
85	9.29	9.85	3.1793	1.8433	-0.0017	5.0209	0.1174	0.1315	0.0144	0.2633
86	9.41	9.83	3.179	1.8432	-0.0019	5.0204	0.1122	0.133	0.0165	0.2617
87	9.36	9.79	3.1787	1.8429	-0.0019	5.0197	0.106	0.1323	0.0168	0.2552
88	10.2	9.77	3.1781	1.8428	-0.0019	5.019	0.1033	0.1372	0.016	0.2566
89	9.79	9.68	3.1778	1.8429	-0.002	5.0186	0.0983	0.1432	0.016	0.2575
90	9.43	9.63	3.1777	1.8429	-0.0022	5.0185	0.0934	0.1468	0.0151	0.2553
91	9.74	9.6	3.1776	1.8429	-0.0023	5.0181	0.0821	0.148	0.016	0.2461
92	9.73	9.53	3.1778	1.8423	-0.0022	5.0178	0.074	0.1542	0.0148	0.2429
93	9.71	9.51	3.1779	1.842	-0.0021	5.0178	0.0575	0.1562	0.012	0.2257
94	9.62	9.52	3.1778	1.8416	-0.0022	5.0173	0.0465	0.1576	0.012	0.2161
95	9.87	9.55	3.1778	1.842	-0.0022	5.0176	0.0379	0.1583	0.012	0.2082
96	9.54	9.56	3.1776	1.8422	-0.0021	5.0177	0.028	0.1566	0.0115	0.1962
97	9.6	9.59	3.1775	1.842	-0.0022	5.0173	0.0117	0.1599	0.0099	0.1815
98	8.8	9.57	3.1776	1.8418	-0.0025	5.0169	0.0053	0.1643	0.009	0.1786
99	9.36	9.54	3.1777	1.8415	-0.0026	5.0165	0.0155	0.1627	0.009	0.1872
100	9.31	9.53	3.1775	1.8414	-0.0026	5.0163	0.0342	0.161	0.0107	0.2059
101	8.83	9.48	3.1777	1.8413	-0.0025	5.0165	0.0444	0.1649	0.0111	0.2205
102	9.36	9.47	3.1778	1.8411	-0.0024	5.0165	0.0473	0.1651	0.0121	0.2245

103	9.98	9.49	3.1778	1.8411	-0.0024	5.0165	0.05	0.1677	0.0121	0.2297
104	9.87	9.5	3.1779	1.8412	-0.0023	5.0167	0.0386	0.1659	0.0123	0.2169
105	9.51	9.5	3.1781	1.8409	-0.0024	5.0166	0.0314	0.1662	0.0102	0.2079
106	9.9	9.51	3.1779	1.8406	-0.0024	5.0161	0.0288	0.1696	0.0101	0.2085
107	9.93	9.52	3.1783	1.8403	-0.0026	5.016	0.0178	0.1724	0.01	0.2002
108	9.26	9.59	3.1787	1.8399	-0.0026	5.0161	0.0026	0.1749	0.0092	0.1867
109	9.07	9.62	3.1793	1.8394	-0.0024	5.0164	0.0004	0.1694	0.0073	0.1771
110	8.94	9.65	3.1795	1.8392	-0.0022	5.0165	0.0015	0.1633	0.0085	0.1732
111	9.53	9.68	3.1798	1.8389	-0.0021	5.0166	0.0005	0.1618	0.0105	0.1728
112	9.98	9.74	3.1801	1.8389	-0.0021	5.0169	0.002	0.161	0.0139	0.1768
113	9.86	9.77	3.1803	1.8387	-0.0023	5.0167	-0.0047	0.1636	0.0185	0.1774
114	9.82	9.79	3.1805	1.8388	-0.0023	5.017	-0.01	0.1686	0.0212	0.1797
115	9.84	9.85	3.1809	1.8388	-0.0023	5.0174	-0.0147	0.1797	0.022	0.187
116	9.72	9.87	3.181	1.8387	-0.0023	5.0174	-0.0119	0.1892	0.0223	0.1996
117	10.1	9.88	3.1811	1.8386	-0.0024	5.0173	-0.0203	0.1998	0.0194	0.1989
118	10.1	9.93	3.1816	1.8384	-0.0027	5.0174	-0.0203	0.2039	0.015	0.1986
119	9.88	9.98	3.1819	1.8381	-0.0026	5.0175	-0.0193	0.209	0.0117	0.2014
120	9.33	10	3.1824	1.838	-0.0026	5.0178	-0.0251	0.2071	0.0085	0.1905
121	10.4	10.1	3.1825	1.8378	-0.0025	5.0177	-0.028	0.2038	0.0068	0.1827
122	10.7	10.1	3.1827	1.8377	-0.0026	5.0178	-0.0319	0.202	0.0075	0.1776
123	10.2	10.1	3.1828	1.8375	-0.0027	5.0176	-0.0355	0.2041	0.0077	0.1763
124	10.6	10.1	3.1827	1.8373	-0.0027	5.0173	-0.038	0.201	0.0063	0.1693
125	10.4	10.1	3.1823	1.8369	-0.0027	5.0165	-0.0385	0.2015	0.0068	0.1698
126	10.1	10.2	3.1822	1.8365	-0.0026	5.0161	-0.0273	0.2008	0.0063	0.1798
127	10.2	10.2	3.1827	1.8361	-0.0024	5.0164	-0.0144	0.1945	0.0094	0.1895
128	9.96	10.3	3.1834	1.8361	-0.0023	5.0172	0.0043	0.1929	0.0107	0.2079
129	9.96	10.3	3.1834	1.8359	-0.0023	5.017	0.0046	0.194	0.0108	0.2093
130	10	10.4	3.1837	1.8356	-0.0023	5.017	0.0063	0.1923	0.01	0.2086
131	10.3	10.4	3.184	1.8355	-0.0024	5.0171	0.0139	0.1941	0.011	0.219
132	10.2	10.4	3.1843	1.8353	-0.0024	5.0172	0.0144	0.2012	0.011	0.2265
133	10.5	10.4	3.1844	1.8349	-0.0024	5.0169	0.0088	0.2004	0.0098	0.219
134	10.2	10.4	3.1843	1.8345	-0.0023	5.0166	0.0004	0.2031	0.0083	0.2118
135	10.7	10.4	3.1843	1.8343	-0.0024	5.0163	-0.0037	0.2048	0.0076	0.2086
136	10.8	10.4	3.1845	1.8342	-0.0023	5.0163	-0.0065	0.2041	0.0081	0.2058
137	10.6	10.5	3.1846	1.8338	-0.0023	5.0161	-0.01	0.2036	0.0057	0.1994
138	10.6	10.5	3.1847	1.8335	-0.0023	5.0159	-0.0125	0.2018	0.0055	0.1947
139	10.4	10.5	3.1848	1.833	-0.0024	5.0154	-0.0135	0.2027	0.0059	0.1951

140	10.4	10.6	3.1851	1.833	-0.0026	5.0155	-0.016	0.2027	0.0028	0.1894
141	11.4	10.6	3.1852	1.8324	-0.0025	5.0152	-0.0144	0.2027	-0.0004	0.1879
142	11	10.7	3.1854	1.8323	-0.0025	5.0152	-0.0102	0.2014	-0.0003	0.1909
143	10.2	10.7	3.1854	1.8321	-0.0025	5.0149	0.0014	0.1959	0.0015	0.1987
144	10.4	10.8	3.1852	1.8318	-0.0026	5.0144	0.0053	0.1912	0.0036	0.2001
145	10.2	10.8	3.185	1.8316	-0.0026	5.0139	0.0021	0.1905	0.003	0.1957
146	10.7	10.8	3.185	1.831	-0.0026	5.0133	0.0005	0.1988	0.001	0.2003
147	11	10.9	3.1846	1.8303	-0.0024	5.0125	-0.0021	0.2026	0.0015	0.202
148	10.7	10.9	3.1837	1.8302	-0.0024	5.0116	0.0002	0.2019	-0.0009	0.2013
149	10.7	11	3.1827	1.8301	-0.0025	5.0103	0.0025	0.2001	-0.0056	0.197
150	10.9	11.1	3.182	1.8301	-0.0024	5.0098	-0.0047	0.1969	-0.0065	0.1857
151	11.3	11	3.1818	1.83	-0.0024	5.0094	-0.0107	0.1992	-0.0064	0.182
152	11.4	11.1	3.182	1.8298	-0.0023	5.0095	-0.0095	0.1991	-0.0046	0.1849
153	11.9	11.1	3.1828	1.8298	-0.0024	5.0102	-0.0125	0.1984	-0.004	0.1819
154	11.2	11.2	3.183	1.8297	-0.0023	5.0105	-0.0148	0.2016	-0.006	0.1807
155	11	11.2	3.1831	1.8294	-0.0024	5.0101	-0.0075	0.2041	-0.0064	0.1901
156	11.2	11.3	3.1832	1.8292	-0.0024	5.01	-0.0009	0.2027	-0.0081	0.1937
157	11.9	11.3	3.1835	1.8288	-0.0024	5.0099	0	0.2006	-0.0097	0.1909
158	11.9	11.4	3.1833	1.8289	-0.0023	5.0098	0.0013	0.1994	-0.0105	0.1902
159	11.1	11.4	3.1829	1.829	-0.0024	5.0095	0.0024	0.1957	-0.0099	0.1881
160	11	11.5	3.1831	1.8286	-0.0025	5.0092	0.0067	0.1912	-0.0077	0.1902
161	11.3	11.5	3.183	1.8285	-0.0026	5.0089	0.0124	0.1894	-0.0045	0.1973
162	11.9	11.5	3.1831	1.8283	-0.0028	5.0086	0.0162	0.1896	-0.0019	0.2039
163	11.1	11.5	3.1828	1.828	-0.003	5.0077	0.0214	0.1902	-0.0027	0.2088
164	11.4	11.5	3.1823	1.8274	-0.0031	5.0067	0.0272	0.1955	-0.0045	0.2183
165	11.2	11.5	3.1818	1.8268	-0.003	5.0056	0.0308	0.1975	-0.003	0.2254
166	11.5	11.5	3.1814	1.8264	-0.0028	5.005	0.0344	0.1939	-0.0028	0.2255
167	11.9	11.5	3.1808	1.8259	-0.0025	5.0041	0.04	0.192	-0.0008	0.2313
168	12.2	11.5	3.1804	1.8256	-0.0024	5.0035	0.0425	0.1945	-0.0009	0.2361
169	11.8	11.5	3.1809	1.8255	-0.0023	5.0041	0.0379	0.1966	-0.004	0.2305
170	11.5	11.6	3.1811	1.8254	-0.0024	5.0041	0.0362	0.1988	-0.0026	0.2324
171	11.9	11.6	3.1809	1.8253	-0.0025	5.0038	0.0467	0.1984	-0.0013	0.2438
172	11.4	11.5	3.1806	1.8246	-0.0024	5.0028	0.0569	0.1982	-0.0006	0.2544
173	11	11.6	3.1807	1.8244	-0.0023	5.0028	0.0628	0.201	-0.0025	0.2613
174	11.4	11.5	3.1807	1.8242	-0.0024	5.0025	0.0619	0.2016	-0.0048	0.2587
175	11.4	11.5	3.1805	1.8241	-0.0023	5.0022	0.053	0.2019	-0.0059	0.2489
176	12	11.5	3.1804	1.8241	-0.0024	5.002	0.0327	0.198	-0.007	0.2237

177	12.1	11.5	3.1802	1.8239	-0.0025	5.0016	0.0165	0.1957	-0.0095	0.2028
178	11.5	11.4	3.1804	1.8237	-0.0024	5.0018	0.0175	0.1912	-0.0103	0.1984
179	11.2	11.4	3.1807	1.8239	-0.0023	5.0023	0.0209	0.1885	-0.0086	0.2008
180	11.2	11.4	3.1805	1.8236	-0.0023	5.0018	0.0235	0.1849	-0.0073	0.201
181	11.5	11.3	3.1803	1.8229	-0.0023	5.0009	0.0306	0.181	-0.0086	0.203
182	11.4	11.2	3.1802	1.8229	-0.0023	5.0008	0.0375	0.1791	-0.0095	0.2071
183	11.3	11.2	3.18	1.8229	-0.0023	5.0005	0.0494	0.1777	-0.0084	0.2187
184	10.9	11.2	3.1799	1.8229	-0.0023	5.0004	0.0558	0.1747	-0.0077	0.2228
185	11.1	11.1	3.18	1.8229	-0.0025	5.0003	0.062	0.1733	-0.0078	0.2275
186	11.2	11	3.18	1.8229	-0.0025	5.0004	0.0662	0.1706	-0.0085	0.2282
187	11.4	10.9	3.1799	1.8228	-0.0024	5.0002	0.0679	0.1684	-0.0094	0.2269
188	11.3	10.9	3.1795	1.8225	-0.0025	4.9995	0.0657	0.1646	-0.0088	0.2215
189	10.5	10.8	3.1794	1.8226	-0.0023	4.9997	0.0636	0.1637	-0.007	0.2204
190	10.5	10.8	3.1792	1.8227	-0.0021	4.9997	0.0645	0.1607	-0.0073	0.2179
191	10.6	10.7	3.1786	1.8227	-0.0023	4.999	0.0686	0.1624	-0.0088	0.2222
192	10.3	10.7	3.1776	1.8228	-0.0024	4.998	0.0706	0.1569	-0.0085	0.219
193	10.9	10.7	3.1774	1.8229	-0.0025	4.9978	0.0763	0.1545	-0.0092	0.2216
194	10.1	10.7	3.1776	1.8226	-0.0025	4.9977	0.0797	0.1498	-0.0103	0.2193
195	10.4	10.6	3.1777	1.8221	-0.0023	4.9976	0.08	0.1474	-0.0118	0.2156
196	10.2	10.6	3.1778	1.822	-0.0023	4.9975	0.0824	0.1442	-0.0125	0.2141
197	10.6	10.6	3.1775	1.8218	-0.0021	4.9971	0.0893	0.1371	-0.0119	0.2145
198	10.5	10.6	3.1774	1.8218	-0.0019	4.9972	0.0902	0.1298	-0.0094	0.2107
199	10.4	10.6	3.1781	1.8218	-0.002	4.9979	0.0846	0.1302	-0.009	0.2058
200	10.6	10.7	3.1786	1.8215	-0.002	4.9981	0.0813	0.1321	-0.0096	0.2039
201	10.5	10.7	3.1786	1.8214	-0.002	4.998	0.0785	0.1359	-0.0078	0.2066
202	11	10.7	3.1791	1.8213	-0.002	4.9983	0.0809	0.1369	-0.007	0.2107
203	10.4	10.7	3.1793	1.8209	-0.0018	4.9984	0.0874	0.1375	-0.0056	0.2193
204	10.8	10.7	3.1787	1.8207	-0.0017	4.9977	0.1004	0.1415	-0.0038	0.2382
205	11	10.7	3.1781	1.8206	-0.0016	4.9972	0.1078	0.1452	-0.0009	0.2522
206	10.8	10.8	3.1779	1.8205	-0.0014	4.997	0.1108	0.1425	-0.0008	0.2526
207	10.7	10.8	3.1781	1.8203	-0.0015	4.9969	0.108	0.1445	-0.0001	0.2524
208	11.4	10.8	3.1785	1.8204	-0.0016	4.9972	0.1092	0.1415	0.0006	0.2512
209	11.5	10.9	3.1787	1.8203	-0.0016	4.9974	0.1049	0.1443	0.0016	0.2508
210	10.9	10.9	3.1783	1.8202	-0.0017	4.9968	0.1045	0.1538	0.0002	0.2585
211	11	11	3.1782	1.8199	-0.0019	4.9962	0.1044	0.1536	-0.0017	0.2563
212	10.8	11	3.1779	1.8199	-0.0018	4.996	0.099	0.1558	-0.0057	0.249
213	10.3	11	3.1775	1.8192	-0.0018	4.9949	0.097	0.1559	-0.0091	0.2437

214	10.9	11	3.1774	1.8191	-0.002	4.9945	0.0909	0.1528	-0.01	0.2336
215	11.1	10.9	3.1775	1.8194	-0.002	4.9948	0.0855	0.1465	-0.0106	0.2213
216	10.9	10.9	3.177	1.8195	-0.0022	4.9943	0.0796	0.1399	-0.0103	0.2093
217	11.1	10.9	3.1768	1.8191	-0.0023	4.9937	0.074	0.1359	-0.0077	0.2023
218	11.3	10.8	3.1778	1.8188	-0.0023	4.9943	0.0722	0.1327	-0.0045	0.2004
219	11	10.7	3.1783	1.8183	-0.0023	4.9942	0.073	0.1274	-0.0024	0.198
220	11.4	10.7	3.1777	1.8182	-0.0025	4.9934	0.0798	0.1286	-0.0001	0.2083
221	11.4	10.6	3.1768	1.818	-0.0024	4.9923	0.0784	0.131	0.0012	0.2106
222	10.5	10.6	3.1764	1.8176	-0.0023	4.9917	0.0736	0.1343	0.0001	0.208
223	10.1	10.6	3.1766	1.8174	-0.0022	4.9917	0.0698	0.1276	0.0018	0.1991
224	10.1	10.5	3.1774	1.8171	-0.0021	4.9924	0.0734	0.1272	0.0044	0.2049
225	10.6	10.5	3.179	1.8171	-0.002	4.9941	0.0712	0.131	0.0042	0.2064
226	10.3	10.4	3.1805	1.817	-0.0017	4.9958	0.0624	0.1343	0.0034	0.2
227	10.1	10.4	3.181	1.817	-0.0014	4.9966	0.057	0.1353	0.0016	0.1939
228	9.84	10.3	3.1813	1.8173	-0.0014	4.9971	0.0558	0.1356	0.0015	0.1928
229	10.1	10.2	3.1811	1.8174	-0.0016	4.9969	0.0609	0.1341	0.0001	0.1951
230	10.3	10.2	3.1807	1.8175	-0.0015	4.9967	0.0588	0.1343	0.0007	0.1938
231	9.92	10.2	3.1802	1.8176	-0.0015	4.9964	0.0496	0.1308	0.002	0.1823
232	9.89	10.2	3.1794	1.8175	-0.0016	4.9953	0.0449	0.1226	0.0022	0.1697
233	9.95	10.2	3.1788	1.8174	-0.0016	4.9946	0.0433	0.1217	0.003	0.168
234	10	10.2	3.1781	1.8172	-0.0015	4.9938	0.0432	0.1204	0.0026	0.1662
235	10	10.2	3.1777	1.8172	-0.0015	4.9935	0.0426	0.121	0.0017	0.1653
236	9.76	10.3	3.1777	1.8173	-0.0014	4.9936	0.0405	0.121	0	0.1615
237	9.76	10.3	3.178	1.8173	-0.0014	4.9939	0.0429	0.1221	0.0011	0.166
238	10.5	10.3	3.1783	1.8171	-0.0016	4.9938	0.044	0.1211	0.0031	0.1683
239	10.5	10.4	3.1783	1.8169	-0.0017	4.9936	0.0345	0.1238	0.003	0.1613
240	10.8	10.5	3.1782	1.8168	-0.0017	4.9933	0.0291	0.1303	0.006	0.1653
241	10.6	10.5	3.1782	1.8168	-0.0016	4.9933	0.0228	0.1393	0.0094	0.1715
242	10.5	10.6	3.1778	1.8169	-0.0016	4.993	0.0166	0.1444	0.0024	0.1634
243	10.6	10.7	3.1774	1.8171	-0.0015	4.993	0.0002	0.147	-0.003	0.1442
244	10.9	10.7	3.1772	1.8171	-0.0014	4.9929	-0.0045	0.1474	-0.0051	0.1378
245	10.9	10.8	3.1768	1.8171	-0.0014	4.9925	-0.0005	0.139	-0.0071	0.1313
246	11.1	10.8	3.176	1.8172	-0.0014	4.9919	0.0031	0.1318	-0.006	0.1288
247	10.5	10.9	3.1756	1.8173	-0.0015	4.9914	0.005	0.129	-0.007	0.127
248	11.1	10.9	3.1753	1.8172	-0.0015	4.991	-0.0004	0.1254	-0.0061	0.1188
249	11.3	10.9	3.1745	1.8169	-0.0015	4.9899	-0.0049	0.1264	-0.0036	0.1179
250	11.5	10.9	3.1742	1.8165	-0.0016	4.9891	0.0033	0.128	-0.0046	0.1267

251	11.1	10.9	3.1737	1.8163	-0.0017	4.9883	-0.0003	0.1296	-0.002	0.1273
252	11.3	11	3.1732	1.8161	-0.0018	4.9876	0.0005	0.1283	-0.003	0.1258
253	10.6	11	3.1727	1.8157	-0.002	4.9864	0.0092	0.1285	-0.003	0.1347
254	11	11	3.1722	1.8152	-0.0022	4.9852	0.0152	0.1276	-0.0007	0.142
255	11.4	11	3.172	1.8151	-0.0023	4.9849	0.0131	0.1273	0.0007	0.1411
256	11.4	11	3.1724	1.8147	-0.0024	4.9848	0.0119	0.1289	0.0023	0.1432
257	10.4	11	3.1726	1.8146	-0.0025	4.9847	0.0136	0.1304	0.0059	0.1499
258	10.4	11	3.1728	1.8145	-0.0025	4.9847	0.0182	0.1274	0.0063	0.1519
259	10.8	10.9	3.1725	1.8136	-0.0024	4.9837	0.0227	0.1301	0.0083	0.161
260	11.1	10.9	3.1726	1.8132	-0.0023	4.9836	0.0229	0.1339	0.0082	0.165
261	11.1	10.9	3.1731	1.8129	-0.002	4.984	0.0219	0.1318	0.0058	0.1595
262	11.3	10.8	3.1734	1.8127	-0.0019	4.9842	0.0277	0.1327	0.0063	0.1668
263	11	10.8	3.1737	1.8127	-0.002	4.9843	0.0252	0.131	0.0087	0.1649
264	10.9	10.8	3.1738	1.8128	-0.002	4.9845	0.0183	0.1249	0.0078	0.151
265	11	10.8	3.1738	1.8128	-0.002	4.9846	0.0185	0.1254	0.005	0.1489
266	10.3	10.8	3.174	1.8128	-0.002	4.9847	0.0249	0.1286	0.0044	0.1578
267	10.3	10.8	3.1735	1.8127	-0.0021	4.9841	0.0273	0.1275	0.0013	0.1561
268	10.8	10.8	3.1731	1.8128	-0.0022	4.9837	0.0306	0.12	0.0006	0.1511
269	10.9	10.8	3.1729	1.8126	-0.0023	4.9832	0.0411	0.1167	0.001	0.1588
270	10.4	10.8	3.1733	1.8123	-0.0025	4.983	0.044	0.1137	0.0021	0.1597
271	10.6	10.8	3.1736	1.8119	-0.0025	4.983	0.0365	0.113	0.0032	0.1527
272	11	10.8	3.1736	1.8119	-0.0026	4.9829	0.0258	0.1159	0.0046	0.1463
273	11	10.7	3.1734	1.8117	-0.0027	4.9823	0.028	0.115	0.0079	0.1509
274	10.7	10.7	3.1735	1.8111	-0.0028	4.9818	0.0296	0.1163	0.012	0.1579
275	10.6	10.6	3.1743	1.8107	-0.0027	4.9822	0.0378	0.1193	0.0137	0.1707
276	11.2	10.6	3.1746	1.8106	-0.0026	4.9826	0.0537	0.123	0.0146	0.1914
277	10.3	10.6	3.1746	1.8103	-0.0026	4.9823	0.0697	0.124	0.0196	0.2133
278	10.6	10.5	3.1743	1.8103	-0.0024	4.9822	0.0741	0.1296	0.0235	0.2271
279	11	10.5	3.1748	1.8105	-0.0024	4.9829	0.0822	0.1387	0.0229	0.2438
280	10.8	10.5	3.1755	1.8106	-0.0025	4.9836	0.078	0.1438	0.0193	0.2411
281	10.9	10.5	3.1758	1.8107	-0.0025	4.984	0.0622	0.1482	0.0179	0.2283
282	10.7	10.4	3.1759	1.8108	-0.0026	4.984	0.0473	0.1594	0.0166	0.2232
283	10.2	10.4	3.1757	1.8108	-0.0026	4.9839	0.0242	0.1584	0.0125	0.1951
284	10	10.4	3.1757	1.8108	-0.0025	4.9839	0.0138	0.1554	0.0087	0.1779
285	9.7	10.4	3.1759	1.8108	-0.0025	4.9842	0.0058	0.1549	0.0045	0.1652
286	9.82	10.4	3.1757	1.8107	-0.0026	4.9838	-0.0047	0.1511	0.0027	0.1491
287	9.72	10.4	3.1755	1.8107	-0.0028	4.9834	-0.0154	0.1467	0.0033	0.1346

288	10.6	10.3	3.176	1.8101	-0.0028	4.9833	-0.0143	0.1449	0.0038	0.1345
289	10.2	10.3	3.1765	1.8096	-0.0029	4.9832	-0.0119	0.1422	0.0015	0.1318
290	10	10.2	3.1769	1.8087	-0.0031	4.9825	-0.0145	0.1414	0.0004	0.1273
291	10.2	10.1	3.1769	1.8083	-0.0025	4.9827	-0.0216	0.1413	-0.0002	0.1195
292	10.8	9.99	3.1776	1.8081	-0.0021	4.9836	-0.0277	0.1426	0.0005	0.1155
293	10.4	9.95	3.1779	1.8082	-0.002	4.9841	-0.035	0.1406	0.002	0.1076
294	10.4	9.91	3.1777	1.8087	-0.0018	4.9846	-0.038	0.1413	0.001	0.1043
295	10.3	9.93	3.1774	1.809	-0.0017	4.9847	-0.0427	0.1362	0.0008	0.0942
296	10.3	9.99	3.1773	1.8091	-0.0016	4.9848	-0.0452	0.1357	0.0012	0.0917
297	9.85	10.1	3.1775	1.8092	-0.0015	4.9852	-0.0465	0.1365	0.002	0.092
298	10	10.1	3.1779	1.8092	-0.0016	4.9854	-0.049	0.1382	0.0014	0.0906
299	8.95	10.1	3.1778	1.809	-0.0015	4.9853	-0.047	0.1351	0.0029	0.091
300	9.46	10.2	3.1786	1.8085	-0.0018	4.9854	-0.044	0.1323	0.0043	0.0926
301	8.77	10.2	3.1786	1.8085	-0.0017	4.9854	-0.035	0.1344	0.0056	0.1049
302	9.52	10.2	3.1781	1.8084	-0.0017	4.9848	-0.03	0.1371	0.0067	0.1137
303	9.3	10.2	3.1778	1.8082	-0.0017	4.9842	-0.0327	0.1422	0.0065	0.116
304	10.1	10.3	3.1773	1.808	-0.0018	4.9836	-0.0324	0.1429	0.0032	0.1138
305	10.9	10.3	3.177	1.8078	-0.0018	4.9829	-0.0326	0.1401	0.0003	0.1079
306	10.9	10.3	3.1766	1.8075	-0.002	4.9821	-0.036	0.1418	-0.0018	0.104
307	10.6	10.3	3.1763	1.8076	-0.0022	4.9817	-0.0332	0.1377	-0.0029	0.1016
308	11.1	10.3	3.1762	1.8073	-0.0024	4.9811	-0.0295	0.1383	-0.0043	0.1045
309	11.5	10.4	3.1764	1.8069	-0.0024	4.9809	-0.0267	0.1364	-0.0042	0.1055
310	10.4	10.5	3.1761	1.807	-0.0023	4.9808	-0.03	0.1278	-0.0006	0.0972
311	11.2	10.5	3.1754	1.8067	-0.0025	4.9795	-0.0286	0.1265	0.0024	0.1002
312	10.7	10.6	3.1754	1.8067	-0.0027	4.9795	-0.0213	0.1239	0.0057	0.1083
313	11	10.6	3.1757	1.8067	-0.0026	4.9798	-0.0171	0.1282	0.007	0.1182
314	10.9	10.6	3.1756	1.8065	-0.0025	4.9796	-0.0152	0.1311	0.0059	0.1218
315	10.4	10.6	3.175	1.8065	-0.0025	4.979	-0.0103	0.1304	0.0047	0.1249
316	10.4	10.6	3.1743	1.8068	-0.0024	4.9787	-0.0059	0.1321	0.0051	0.1313
317	9.92	10.5	3.1738	1.8071	-0.0024	4.9785	-0.0015	0.1347	0.0079	0.1411
318	10.4	10.5	3.1737	1.8071	-0.0024	4.9784	-0.0087	0.1382	0.0063	0.1358
319	10.7	10.4	3.1739	1.8069	-0.0026	4.9783	-0.0226	0.1437	0.006	0.1271
320	10.4	10.4	3.1741	1.8068	-0.0028	4.9782	-0.0261	0.1403	0.0048	0.119
321	9.96	10.3	3.1742	1.8064	-0.0029	4.9777	-0.0209	0.1372	0.0025	0.1188
322	10.4	10.3	3.1736	1.8061	-0.0031	4.9766	-0.0213	0.1347	0.0008	0.1142
323	10.5	10.2	3.1736	1.8058	-0.0034	4.9759	-0.0221	0.1364	-0.0008	0.1136
324	10.7	10.2	3.1736	1.8052	-0.0035	4.9753	-0.026	0.1356	-0.0017	0.108

325	9.88	10.2	3.1737	1.8047	-0.0035	4.9749	-0.0254	0.1287	-0.002	0.1013
326	9.73	10.1	3.1736	1.8046	-0.0036	4.9745	-0.0136	0.1231	-0.0007	0.1088
327	9.66	10.1	3.1736	1.804	-0.0038	4.9738	-0.0065	0.1261	-0.001	0.1186
328	10.1	10.1	3.1731	1.8034	-0.0037	4.9727	-0.0047	0.1266	-0.0019	0.1201
329	10.1	10.1	3.1733	1.8031	-0.0035	4.9728	-0.0052	0.1292	0.0012	0.1252
330	9.85	10	3.1744	1.8027	-0.0032	4.9739	0.0046	0.1322	0.004	0.1408
331	10.2	10	3.1755	1.8017	-0.0031	4.9741	0.0119	0.1353	0.0024	0.1496
332	9.73	9.96	3.177	1.8016	-0.0028	4.9758	0.0092	0.1388	-0.0004	0.1476
333	10.7	9.92	3.1774	1.8018	-0.0025	4.9768	0.0072	0.1378	-0.003	0.142
334	9.56	9.86	3.1776	1.8017	-0.002	4.9773	0.0046	0.1354	-0.0026	0.1375
335	9.92	9.82	3.1782	1.8021	-0.0018	4.9786	0.0015	0.1327	-0.0013	0.1329
336	10	9.84	3.1792	1.8027	-0.0017	4.9802	0.0017	0.1358	-0.001	0.1365
337	10.3	9.85	3.1795	1.8028	-0.0018	4.9805	-0.0016	0.1389	-0.0026	0.1347
338	9.54	9.87	3.1795	1.8029	-0.0017	4.9807	-0.0057	0.1361	-0.0027	0.1277
339	9.6	9.89	3.1798	1.8028	-0.0017	4.9809	0.0033	0.1358	-0.0011	0.1381
340	9.8	9.93	3.1804	1.8027	-0.0017	4.9814	0.0075	0.1321	-0.0033	0.1363
341	9.37	9.93	3.1809	1.8025	-0.0017	4.9817	0.008	0.1237	-0.0068	0.1248
342	9.74	9.96	3.1813	1.8028	-0.0018	4.9823	0.0032	0.1201	-0.0021	0.1213
343	9.58	9.92	3.1812	1.8029	-0.0016	4.9825	0.0018	0.1194	0.0012	0.1224
344	9.1	9.94	3.1815	1.8035	-0.0015	4.9834	-0.005	0.1225	0.0001	0.1176
345	10.2	9.96	3.1813	1.8036	-0.0015	4.9833	-0.0134	0.1289	0.0015	0.1169
346	9.81	9.98	3.1807	1.8036	-0.0016	4.9827	-0.0161	0.1299	0.0027	0.1164
347	10.4	10	3.1805	1.8035	-0.0016	4.9824	-0.0167	0.1295	0.0043	0.1172
348	10.4	10.1	3.18	1.8037	-0.0018	4.9819	-0.013	0.1281	0.005	0.1201
349	10.7	10.2	3.1789	1.8036	-0.002	4.9806	-0.0066	0.1272	0.0051	0.1257
350	10.3	10.3	3.1777	1.8031	-0.0022	4.9786	-0.0089	0.1253	0.0059	0.1223
351	10.3	10.4	3.1767	1.8026	-0.0024	4.9769	0.0006	0.1239	0.003	0.1274
352	9.84	10.4	3.1765	1.8019	-0.0024	4.976	0.0039	0.1222	0.0042	0.1304
353	10	10.5	3.176	1.8014	-0.0023	4.975	0.0011	0.1207	0.0053	0.1271
354	10.2	10.6	3.1755	1.8012	-0.0022	4.9745	-0.0052	0.1238	0.0069	0.1255
355	10.4	10.6	3.1756	1.8009	-0.0021	4.9745	-0.0151	0.1236	0.0079	0.1164
356	11.2	10.7	3.1758	1.8009	-0.0021	4.9746	-0.0191	0.1215	0.0059	0.1082
357	11.8	10.7	3.1755	1.8008	-0.0021	4.9743	-0.0192	0.1191	0.0029	0.1028
358	11.2	10.6	3.1754	1.8008	-0.0021	4.9742	-0.0214	0.1188	0.0021	0.0994
359	11.1	10.6	3.1755	1.8008	-0.0023	4.974	-0.0245	0.1169	0.0006	0.093
360	10.8	10.6	3.1755	1.8006	-0.0026	4.9735	-0.0282	0.1204	0.0018	0.094
361	11.1	10.6	3.1752	1.8005	-0.0026	4.9731	-0.0269	0.1212	0.003	0.0973

362	11	10.6	3.1751	1.7999	-0.0026	4.9724	-0.0375	0.1227	0.0019	0.0872
363	10.7	10.6	3.1752	1.7996	-0.0026	4.9722	-0.0441	0.127	-0.0002	0.0827
364	10.3	10.6	3.1748	1.7997	-0.0025	4.9721	-0.0386	0.1252	-0.0002	0.0864
365	10.8	10.6	3.1744	1.7996	-0.0025	4.9715	-0.0353	0.1211	0.0004	0.0863
366	10.2	10.6	3.1741	1.7993	-0.0028	4.9706	-0.0373	0.1229	0.0014	0.087
367	9.46	10.5	3.1744	1.7988	-0.0027	4.9705	-0.0421	0.1258	0.0025	0.0862
368	10.1	10.4	3.1754	1.7985	-0.0028	4.971	-0.0378	0.1287	0.0031	0.0941
369	10.1	10.4	3.1755	1.7986	-0.0028	4.9713	-0.0397	0.1419	0.003	0.1053
370	10.2	10.3	3.1753	1.7986	-0.0028	4.9711	-0.044	0.1426	0.0015	0.1001
371	10	10.3	3.1757	1.7985	-0.0026	4.9716	-0.0451	0.141	-0.0007	0.0952
372	10.3	10.2	3.1758	1.7982	-0.0025	4.9716	-0.035	0.1323	-0.0039	0.0934
373	10.2	10.2	3.176	1.7981	-0.0026	4.9715	-0.0416	0.132	-0.005	0.0854
374	10.6	10.2	3.1761	1.7982	-0.0026	4.9717	-0.045	0.1296	-0.0076	0.077
375	10.7	10.1	3.1756	1.7983	-0.0026	4.9714	-0.0448	0.1254	-0.0098	0.0709
376	10.2	10.2	3.1753	1.7979	-0.0025	4.9707	-0.0443	0.122	-0.0097	0.068
377	9.89	10.2	3.1751	1.7976	-0.0024	4.9703	-0.0419	0.1139	-0.0114	0.0606
378	9.94	10.2	3.1748	1.7974	-0.0025	4.9697	-0.0439	0.1077	-0.0125	0.0513
379	10.2	10.2	3.1744	1.7972	-0.0028	4.9688	-0.0565	0.111	-0.0138	0.0407
380	9.85	10.2	3.1743	1.797	-0.0027	4.9686	-0.0572	0.1079	-0.0135	0.0372
381	10.3	10.2	3.1749	1.7968	-0.0025	4.9692	-0.042	0.0957	-0.0114	0.0423
382	10.5	10.1	3.1752	1.797	-0.0023	4.9698	-0.0338	0.0822	-0.0111	0.0373
383	9.99	10.1	3.1752	1.7973	-0.0023	4.9702	-0.0251	0.0854	-0.0081	0.0522
384	9.88	10.1	3.1755	1.7975	-0.0024	4.9706	-0.0179	0.0794	-0.0048	0.0567
385	10.3	10.1	3.1758	1.7972	-0.0024	4.9705	-0.0152	0.075	-0.0007	0.0591
386	10.5	10.1	3.1759	1.7968	-0.0023	4.9704	-0.002	0.0788	0.0013	0.078
387	10.8	10	3.1761	1.797	-0.0025	4.9706	0.0157	0.0855	0.0021	0.1032
388	9.81	10	3.1757	1.7965	-0.0027	4.9695	0.0216	0.0833	0.0025	0.1074
389	9.51	9.99	3.1757	1.7963	-0.0026	4.9695	0.0253	0.0839	0.0041	0.1133
390	9.74	10	3.1761	1.7963	-0.0024	4.9701	0.0282	0.0907	0.005	0.1238
391	9.31	10	3.1766	1.7963	-0.0023	4.9706	0.0364	0.0915	0.0058	0.1337
392	9.84	10	3.1774	1.7961	-0.0022	4.9713	0.051	0.0859	0.0069	0.1438
393	10.6	10	3.1784	1.7959	-0.002	4.9723	0.0586	0.0896	0.0061	0.1543
394	10.4	10	3.179	1.7958	-0.0019	4.9729	0.0675	0.0907	0.0079	0.1661
395	9.66	10.1	3.1791	1.796	-0.002	4.973	0.0649	0.1029	0.008	0.1758
396	9.53	10.1	3.179	1.7961	-0.002	4.9731	0.0712	0.0945	0.0081	0.1738
397	9.22	10.1	3.1788	1.7964	-0.002	4.9732	0.0754	0.0866	0.008	0.17
398	9.92	10.1	3.1785	1.7964	-0.0021	4.9729	0.0736	0.092	0.0076	0.1732

399	10.5	10.2	3.1787	1.7964	-0.0021	4.973	0.0727	0.0959	0.0066	0.1753
400	10.7	10.2	3.1785	1.7962	-0.0021	4.9726	0.0649	0.0994	0.0055	0.1698
401	9.98	10.3	3.1782	1.7963	-0.0021	4.9723	0.0518	0.0878	0.0031	0.1427
402	10.3	10.4	3.178	1.7963	-0.0022	4.9721	0.0389	0.0783	0.0029	0.1201
403	10.1	10.4	3.1783	1.7958	-0.0024	4.9717	0.0205	0.0868	0.003	0.1103
404	10.7	10.4	3.1788	1.7957	-0.0026	4.9719	0.0146	0.0865	0.0029	0.1039
405	10.8	10.4	3.1789	1.7956	-0.0024	4.9721	0.0113	0.0984	0.004	0.1137
406	11.1	10.5	3.1785	1.7956	-0.0023	4.9718	0.006	0.1098	0.005	0.1207
407	10.6	10.6	3.1785	1.7957	-0.0024	4.9718	0.0086	0.1103	0.005	0.1239
408	10.6	10.6	3.1787	1.7957	-0.0025	4.9718	0.0141	0.102	0.0056	0.1217
409	10.3	10.6	3.1792	1.7949	-0.0026	4.9715	0.015	0.1012	0.0063	0.1225
410	11.4	10.6	3.1788	1.7949	-0.0026	4.9711	0.0169	0.0944	0.0031	0.1143
411	10.8	10.6	3.1791	1.7944	-0.0027	4.9708	0.0181	0.0864	0.0011	0.1056
412	10.5	10.6	3.1798	1.7941	-0.0027	4.9712	0.0013	0.0977	0.001	0.1
413	10.3	10.6	3.1796	1.7942	-0.0026	4.9712	0.0007	0.0976	0.0018	0.1001
414	10.6	10.7	3.1791	1.7944	-0.0025	4.9709	0.0074	0.0861	0.002	0.0955
415	11	10.6	3.1787	1.7942	-0.0026	4.9703	0.0112	0.0749	0.0009	0.0871
416	10.6	10.6	3.1785	1.7942	-0.0026	4.9701	-0.0032	0.0818	0.0009	0.0795
417	10.5	10.6	3.1776	1.7943	-0.0027	4.9691	-0.0057	0.0733	-0.0021	0.0655
418	10.6	10.5	3.1777	1.7929	-0.0027	4.9679	-0.0035	0.0568	-0.0022	0.0512
419	10.2	10.5	3.1783	1.7926	-0.0027	4.9683	0.0006	0.0612	-0.0026	0.0591
420	10.5	10.4	3.1786	1.7927	-0.0027	4.9686	0.0179	0.0532	-0.002	0.0691
421	10.3	10.4	3.1777	1.7931	-0.0025	4.9683	0.0165	0.0566	-0.0015	0.0716
422	11	10.3	3.1778	1.7929	-0.0026	4.9681	0.0349	0.0437	0.0002	0.0787
423	11	10.3	3.1781	1.7928	-0.0027	4.9682	0.0585	0.0275	0.0003	0.0862
424	10.3	10.3	3.1781	1.7926	-0.0025	4.9682	0.0645	0.024	-0.0024	0.0861
425	10.1	10.3	3.1781	1.7926	-0.0025	4.9681	0.0668	0.0239	-0.0039	0.0868
426	10.4	10.3	3.1777	1.7932	-0.0025	4.9684	0.0593	0.0248	-0.004	0.0802
427	10.2	10.3	3.1779	1.7933	-0.0025	4.9687	0.0599	0.0162	-0.0016	0.0744
428	10	10.2	3.1787	1.7923	-0.0024	4.9687	0.0601	0.0132	0.0021	0.0754
429	9.78	10.2	3.179	1.7923	-0.0021	4.9691	0.0628	0.0118	0.0016	0.0762
430	9.32	10.2	3.1786	1.7931	-0.0021	4.9697	0.0367	0.0289	-0.0006	0.065
431	9.66	10.2	3.1789	1.7934	-0.002	4.9703	0.0397	0.0226	0.0001	0.0624
432	9.72	10.1	3.1795	1.7931	-0.002	4.9706	0.0526	0.0106	0.0016	0.0647
433	10.8	10	3.1792	1.7939	-0.002	4.9711	0.0548	0.0105	0.003	0.0683
434	10.5	10.1	3.1791	1.7942	-0.0019	4.9714	0.0521	0.0147	0.003	0.0698
435	10.5	10.1	3.1784	1.7943	-0.0019	4.9708	0.0387	0.0267	0.0032	0.0686

436	10.4	10.1	3.1777	1.7941	-0.0019	4.9699	0.0612	0.0111	0.003	0.0752
437	9.95	10.1	3.1773	1.7945	-0.0021	4.9698	0.0749	-0.0095	0.0049	0.0702
438	9.66	10.1	3.177	1.7945	-0.0022	4.9693	0.0738	-0.0001	0.0032	0.0769
439	9.89	10.2	3.177	1.7937	-0.0022	4.9685	0.0385	0.0414	0.0025	0.0824
440	9.78	10.2	3.1768	1.7935	-0.0023	4.968	0.0011	0.0693	0.0053	0.0757
441	10.3	10.3	3.1758	1.7939	-0.0024	4.9673	0.0039	0.0775	0.0072	0.0886
442	9.64	10.3	3.1754	1.7939	-0.0024	4.9669	0.0117	0.0754	0.008	0.0952
443	10.8	10.3	3.1745	1.7939	-0.0024	4.9659	0.0448	0.0588	0.0095	0.1131
444	10.3	10.3	3.175	1.7932	-0.0023	4.9659	0.0722	0.0376	0.0113	0.1211
445	10.2	10.3	3.1742	1.7941	-0.0023	4.9659	0.1036	0.0165	0.0112	0.1313
446	10.4	10.3	3.1731	1.7949	-0.0024	4.9657	0.1184	0.0054	0.0103	0.1341
447	10.7	10.3	3.1731	1.7943	-0.0024	4.9651	0.1346	-0.004	0.01	0.1406
448	10.5	10.3	3.1727	1.7941	-0.0025	4.9644	0.1402	-0.0347	0.0098	0.1153
449	10.5	10.4	3.1725	1.7937	-0.0025	4.9637	0.1401	-0.0293	0.0062	0.117
450	10.7	10.4	3.1725	1.7943	-0.0025	4.9644	0.1647	-0.0544	0.007	0.1173
451	10.6	10.4	3.1728	1.7947	-0.0027	4.9649	0.1651	-0.0609	0.0067	0.1109
452	10.3	10.5	3.1745	1.7932	-0.0027	4.9649	0.1614	-0.0594	0.0066	0.1087
453	10.6	10.5	3.1745	1.7927	-0.0026	4.9646	0.1639	-0.0597	0.0067	0.1109
454	10.1	10.5	3.1744	1.7913	-0.0026	4.9631	0.1886	-0.0838	0.0036	0.1084
455	10.3	10.5	3.175	1.79	-0.0026	4.9624	0.2206	-0.1076	0.0001	0.1131
456	10.1	10.4	3.1749	1.7899	-0.0026	4.9622	0.2313	-0.1155	0.0027	0.1185
457	10.4	10.3	3.1741	1.7906	-0.0026	4.9621	0.2123	-0.1018	0.0066	0.1171
458	10.9	10.3	3.1739	1.7907	-0.0027	4.9619	0.2203	-0.107	0.0053	0.1185
459	10.7	10.3	3.1738	1.7914	-0.0026	4.9625	0.2271	-0.1071	0.003	0.1231
460	10.8	10.3	3.1737	1.7919	-0.0027	4.963	0.2751	-0.1552	0	0.12
461	11.1	10.3	3.1751	1.7907	-0.0027	4.9631	0.2743	-0.1604	0.0009	0.1148
462	10.4	10.3	3.175	1.7902	-0.0028	4.9624	0.3015	-0.1947	0.0037	0.1105
463	10.1	10.2	3.1744	1.791	-0.0028	4.9626	0.3113	-0.1976	0.0061	0.1199
464	9.75	10.2	3.1737	1.7922	-0.0026	4.9634	0.2871	-0.1684	0.0084	0.1271
465	9.51	10.2	3.1747	1.7915	-0.0026	4.9636	0.2808	-0.1592	0.0073	0.1289
466	9.42	10.2	3.1747	1.792	-0.0026	4.9641	0.2742	-0.1566	0.0053	0.1228
467	9.86	10.1	3.1748	1.7932	-0.0025	4.9654	0.2713	-0.1599	0.0058	0.1172
468	10.3	10.1	3.1753	1.7924	-0.0025	4.9651	0.2919	-0.1903	0.0044	0.106
469	10.5	10.1	3.1738	1.7933	-0.0026	4.9644	0.2898	-0.2053	0.003	0.0875
470	10.5	10	3.1737	1.7929	-0.0026	4.964	0.2995	-0.2151	0.0021	0.0865
471	9.97	10	3.1722	1.7941	-0.0026	4.9637	0.2753	-0.1958	0.0028	0.0823
472	9.3	10.1	3.17	1.7955	-0.0025	4.963	0.24	-0.1621	0.0039	0.0818

473	9.86	10.1	3.1695	1.7958	-0.0023	4.9629	0.252	-0.1735	0.0025	0.081
474	10.1	10.2	3.1694	1.7958	-0.0022	4.963	0.2786	-0.1932	0.0015	0.0869
475	9.98	10.2	3.1697	1.7959	-0.0022	4.9633	0.2628	-0.1776	0.0025	0.0877
476	9.46	10.3	3.1693	1.7963	-0.0023	4.9633	0.2376	-0.1526	0.002	0.087
477	10.1	10.3	3.1691	1.7963	-0.0026	4.9628	0.2274	-0.1427	0.002	0.0866
478	10.3	10.4	3.1686	1.7962	-0.0027	4.9621	0.2287	-0.1462	0.002	0.0845
479	10.2	10.4	3.1707	1.7943	-0.0027	4.9623	0.2406	-0.1616	0.007	0.086
480	10.5	10.3	3.1704	1.7948	-0.0028	4.9624	0.1984	-0.1113	0.0086	0.0956
481	11.3	10.3	3.1696	1.7957	-0.0026	4.9627	0.1571	-0.0626	0.0082	0.1026
482	11	10.4	3.1697	1.796	-0.0026	4.963	0.1194	-0.0186	0.0111	0.1119
483	10.8	10.4	3.17	1.7958	-0.0026	4.9632	0.1026	0.0018	0.0123	0.1167
484	10.2	10.5	3.1716	1.7948	-0.0027	4.9638	0.0852	0.0302	0.0124	0.1278
485	10.8	10.5	3.1696	1.7961	-0.0027	4.963	0.0744	0.0521	0.0101	0.1366
486	11.2	10.6	3.1684	1.7977	-0.0028	4.9633	0.0449	0.0779	0.0069	0.1298
487	10.8	10.6	3.1687	1.797	-0.0028	4.9629	0.0268	0.0833	0.005	0.1151
488	10.5	10.6	3.1719	1.7924	-0.0029	4.9613	0.0221	0.0815	0.0028	0.1063
489	10.4	10.6	3.1756	1.7894	-0.0031	4.962	-0.0396	0.1243	0.0006	0.0853
490	10	10.5	3.1757	1.7886	-0.0031	4.9612	-0.0748	0.1375	0	0.0627
491	10.4	10.5	3.1754	1.7887	-0.0031	4.9611	-0.0823	0.1407	-0.0018	0.0566
492	10.6	10.5	3.1729	1.7902	-0.0032	4.96	-0.0722	0.1377	-0.0019	0.0637
493	10.4	10.4	3.1711	1.7922	-0.0031	4.9602	-0.0753	0.1342	-0.002	0.0569
494	10.4	10.4	3.1686	1.7941	-0.003	4.9598	-0.0556	0.1061	-0.0019	0.0485
495	10.8	10.4	3.1672	1.7954	-0.003	4.9596	-0.0418	0.0992	-0.0006	0.0568
496	10.6	10.3	3.1655	1.7965	-0.003	4.9591	-0.0386	0.1075	0.0002	0.0691
497	10.3	10.3	3.1648	1.7999	-0.003	4.9617	-0.0225	0.0985	0.0011	0.0771
498	9.86	10.3	3.1645	1.7994	-0.0027	4.9612	0.0082	0.0682	0.0033	0.0796
499	10.2	10.2	3.1622	1.8019	-0.0028	4.9613	0.0287	0.0412	0.0049	0.0748
500	10.5	10.3	3.162	1.8022	-0.0028	4.9615	0.0317	0.0395	0.005	0.0762
501	10.3	10.2	3.162	1.8022	-0.0028	4.9615	0.0767	0.0142	0.0059	0.0968
502	9.92	10.2	3.1616	1.8023	-0.0029	4.961	0.1013	0.0068	0.0053	0.1134
503	9.84	10.2	3.1594	1.8042	-0.0028	4.9608	0.1188	-0.009	0.0041	0.1139
504	10.1	10.2	3.1568	1.8064	-0.0026	4.9606	0.1092	0.004	0.0062	0.1194
505	9.87	10.2	3.1557	1.8072	-0.0027	4.9602	0.1393	-0.0397	0.0073	0.1069
506	9.92	10.2	3.1573	1.8058	-0.003	4.9601	0.1649	-0.0629	0.008	0.11
507	10.5	10.2	3.1565	1.8064	-0.0029	4.96	0.201	-0.0911	0.008	0.1179
508	10.3	10.2	3.156	1.8064	-0.0028	4.9595	0.2471	-0.1413	0.0065	0.1123
509	10.3	10.2	3.1517	1.8104	-0.0026	4.9595	0.2885	-0.1683	0.005	0.1252

510	9.75	10.2	3.1514	1.811	-0.0027	4.9596	0.3093	-0.1923	0.0048	0.1218
511	10.6	10.1	3.149	1.8139	-0.0031	4.9598	0.3086	-0.2186	0.0027	0.0926
512	10.5	10.1	3.1487	1.8138	-0.0033	4.9592	0.3538	-0.24	0.002	0.1158
513	10.5	10.2	3.1508	1.811	-0.0034	4.9585	0.4003	-0.2949	0.0002	0.1056
514	10.5	10.2	3.151	1.8103	-0.0033	4.958	0.3961	-0.2908	0.0011	0.1064
515	10.1	10.2	3.1513	1.8099	-0.0031	4.958	0.3865	-0.2783	0.0042	0.1124
516	9.87	10.2	3.1513	1.8102	-0.0032	4.9584	0.3909	-0.2751	0.0053	0.1212
517	10.3	10.2	3.1484	1.8133	-0.0031	4.9585	0.3687	-0.2369	0.0066	0.1385
518	9.65	10.1	3.1487	1.8135	-0.003	4.9591	0.3647	-0.2169	0.0085	0.1562
519	10.4	10.1	3.1484	1.8141	-0.0029	4.9596	0.377	-0.2293	0.0092	0.1569
520	9.85	10.1	3.1511	1.8123	-0.003	4.9604	0.383	-0.2392	0.0097	0.1535
521	10.1	10.1	3.1537	1.8094	-0.0029	4.9601	0.4126	-0.2409	0.0116	0.1833
522	10.2	10	3.1526	1.8103	-0.0029	4.96	0.3951	-0.247	0.012	0.1602
523	10.1	10	3.1502	1.8121	-0.0028	4.9596	0.3185	-0.1802	0.0108	0.149
524	10.1	9.97	3.1518	1.8104	-0.0027	4.9594	0.3122	-0.1769	0.0116	0.1469
525	10.3	9.95	3.1543	1.8078	-0.0027	4.9594	0.2753	-0.1396	0.0116	0.1473
526	10.1	9.94	3.155	1.8074	-0.0027	4.9597	0.3064	-0.1844	0.0097	0.1318
527	9.68	9.95	3.1551	1.8079	-0.0027	4.9603	0.3076	-0.1927	0.007	0.1218
528	9.71	9.97	3.1547	1.8085	-0.0031	4.9601	0.3244	-0.2243	0.0024	0.1025
529	9.76	9.95	3.1591	1.8034	-0.003	4.9596	0.3409	-0.2559	0.0015	0.0865
530	9.67	9.97	3.1629	1.7994	-0.0029	4.9594	0.3997	-0.3111	0.0022	0.0908
531	9.71	9.99	3.167	1.7953	-0.0031	4.9591	0.4297	-0.3312	0.0025	0.1009
532	9.89	10	3.1692	1.7929	-0.0032	4.9589	0.444	-0.3416	0.0036	0.106
533	9.94	10	3.1707	1.7909	-0.0032	4.9583	0.4273	-0.3189	0.0022	0.1106
534	9.74	10.1	3.1716	1.789	-0.0029	4.9577	0.4465	-0.333	0.001	0.1145
535	9.72	10.1	3.1739	1.7865	-0.0026	4.9578	0.4509	-0.3352	0.0011	0.1168
536	10.3	10.1	3.175	1.7858	-0.0024	4.9584	0.4369	-0.3337	0.0012	0.1043
537	10.2	10.1	3.1751	1.7864	-0.0023	4.9591	0.4135	-0.3041	0.0012	0.1107
538	9.99	10.1	3.1809	1.7821	-0.0022	4.9608	0.3716	-0.2589	0.0022	0.1149
539	10.2	10.2	3.1845	1.78	-0.0022	4.9622	0.3113	-0.2102	0.0015	0.1026
540	10.5	10.2	3.185	1.7795	-0.0021	4.9624	0.2989	-0.1801	-0.0011	0.1178
541	10.6	10.3	3.183	1.7801	-0.0022	4.961	0.3183	-0.2116	-0.0026	0.1041
542	10.5	10.4	3.1829	1.7804	-0.0022	4.9612	0.3535	-0.268	-0.0023	0.0832
543	10.7	10.4	3.18	1.7833	-0.0022	4.9611	0.3524	-0.2737	-0.0002	0.0785
544	10.3	10.4	3.1792	1.7832	-0.0022	4.9602	0.2879	-0.2042	-0.0002	0.0835
545	9.98	10.5	3.178	1.7834	-0.0023	4.959	0.2435	-0.1592	-0.0002	0.0841
546	10.5	10.5	3.1754	1.7851	-0.0025	4.958	0.2312	-0.1507	-0.0022	0.0784

547	10.6	10.5	3.1723	1.7875	-0.0027	4.9571	0.1921	-0.1216	-0.004	0.0665
548	10.6	10.6	3.1698	1.79	-0.0029	4.9569	0.1177	-0.0238	-0.0033	0.0906
549	10.6	10.6	3.1693	1.7898	-0.003	4.956	0.0976	-0.011	0.0005	0.0871
550	11	10.6	3.1649	1.7929	-0.0031	4.9547	0.0761	0.0118	-0.0019	0.0861
551	10.8	10.6	3.1627	1.7941	-0.0032	4.9536	0.0741	0.0263	-0.0032	0.0971
552	10.3	10.7	3.1626	1.7941	-0.0031	4.9536	0.0394	0.0598	-0.0026	0.0966
553	10.8	10.7	3.1636	1.7923	-0.0032	4.9527	-0.0245	0.1208	-0.0023	0.0941
554	10.7	10.7	3.1604	1.7953	-0.0033	4.9524	-0.0805	0.1626	-0.0016	0.0805
555	10.7	10.7	3.1585	1.7963	-0.0034	4.9514	-0.1437	0.2354	0.0022	0.094
556	10.5	10.7	3.1548	1.799	-0.0034	4.9504	-0.1807	0.2731	-0.0006	0.0919
557	10.8	10.7	3.1494	1.8048	-0.0033	4.9509	-0.1735	0.2655	-0.0045	0.0875
558	11.1	10.7	3.1451	1.8075	-0.0032	4.9494	-0.1571	0.2519	-0.0015	0.0933
559	10.6	10.7	3.1429	1.8106	-0.0031	4.9504	-0.1564	0.2548	0.0013	0.0997
560	11	10.7	3.1428	1.8138	-0.0029	4.9537	-0.203	0.3019	0.0007	0.0995
561	11.3	10.6	3.1397	1.8147	-0.0029	4.9515	-0.2214	0.325	-0.001	0.1027
562	10.3	10.6	3.135	1.8197	-0.0028	4.9519	-0.2758	0.3818	-0.0057	0.1003
563	10.5	10.6	3.1348	1.8201	-0.0029	4.952	-0.2904	0.3916	-0.0094	0.0917
564	10.3	10.6	3.1351	1.8201	-0.003	4.9521	-0.2639	0.3569	-0.0104	0.0827
565	10.5	10.5	3.1356	1.819	-0.0031	4.9515	-0.2412	0.3272	-0.0081	0.078
566	10.7	10.5	3.1378	1.8157	-0.0032	4.9502	-0.2135	0.3075	-0.0063	0.0877
567	10.9	10.5	3.1383	1.8149	-0.0034	4.9498	-0.1977	0.295	-0.0077	0.0896
568	10.7	10.5	3.1376	1.8153	-0.0035	4.9494	-0.2263	0.3243	-0.0071	0.0909
569	10.1	10.4	3.1355	1.8172	-0.0036	4.9491	-0.1972	0.3005	-0.0071	0.0962
570	9.97	10.4	3.1324	1.817	-0.0038	4.9457	-0.1663	0.2676	-0.0071	0.0942
571	10.6	10.3	3.1327	1.8188	-0.0038	4.9477	-0.1298	0.2438	-0.0076	0.1065
572	10.6	10.3	3.1381	1.8135	-0.0036	4.948	-0.0899	0.2104	-0.0056	0.1149
573	9.91	10.3	3.1383	1.8134	-0.0035	4.9482	-0.0737	0.2016	-0.0038	0.1242
574	9.77	10.3	3.1419	1.8098	-0.0034	4.9483	-0.0736	0.1957	-0.0025	0.1195
575	9.85	10.2	3.139	1.8143	-0.0032	4.9502	-0.0448	0.1636	-0.0025	0.1164
576	10.5	10.2	3.1386	1.8156	-0.003	4.9511	-0.0231	0.1418	-0.002	0.1167
577	10.6	10.1	3.1366	1.8187	-0.0029	4.9525	-0.0571	0.1774	-0.002	0.1183
578	9.99	10.1	3.1345	1.8218	-0.0029	4.9535	-0.0887	0.237	-0.0002	0.1481
579	9.99	10.1	3.1307	1.8255	-0.003	4.9532	-0.0975	0.2385	-0.0036	0.1375
580	10.6	10.1	3.1274	1.8279	-0.003	4.9523	0.0026	0.1382	-0.0039	0.1368
581	10.2	10.1	3.1252	1.8299	-0.003	4.9521	0.0983	0.0505	-0.002	0.1468
582	9.44	10	3.1269	1.8278	-0.0028	4.952	0.177	-0.0222	-0.0032	0.1516
583	9.85	10	3.1254	1.8291	-0.0027	4.9518	0.2324	-0.08	-0.0039	0.1485

584	9.18	10.1	3.1265	1.8283	-0.0028	4.9521	0.2952	-0.1472	-0.0037	0.1442
585	10.2	10.1	3.1259	1.8294	-0.0028	4.9526	0.338	-0.2053	-0.0011	0.1315
586	10	10.1	3.127	1.8282	-0.0029	4.9523	0.3753	-0.2419	0.0009	0.1342
587	9.76	10.1	3.1316	1.8229	-0.003	4.9515	0.4095	-0.2779	0.0023	0.1339
588	9.95	10.1	3.1407	1.8134	-0.0031	4.951	0.4105	-0.2722	0.0029	0.1413
589	10.3	10.1	3.1457	1.8074	-0.003	4.9502	0.4638	-0.3091	0.0038	0.1585
590	10.3	10.1	3.1439	1.8098	-0.0028	4.9508	0.5351	-0.3731	0.003	0.165
591	9.79	10.1	3.1401	1.8155	-0.0029	4.9527	0.5225	-0.3566	0.003	0.1689
592	10	10.1	3.1377	1.8176	-0.0031	4.9522	0.5109	-0.3607	0.003	0.1532
593	10.7	10.1	3.1424	1.8126	-0.0031	4.9518	0.5081	-0.3609	0.003	0.1502
594	10.6	10.2	3.1443	1.8101	-0.003	4.9514	0.4604	-0.313	0.0037	0.1511
595	10.1	10.1	3.1441	1.8105	-0.0028	4.9518	0.4132	-0.2699	0.0046	0.1479
596	10.2	10.2	3.1463	1.8087	-0.0026	4.9524	0.4052	-0.2663	0.0036	0.1425
597	10.2	10.2	3.153	1.8023	-0.0027	4.9526	0.346	-0.2145	0.0038	0.1353
598	10.2	10.2	3.1547	1.8005	-0.0028	4.9525	0.2804	-0.1536	0.0034	0.1303
599	10.6	10.2	3.1546	1.8007	-0.0026	4.9527	0.1889	-0.0453	0.0016	0.1452
600	10.5	10.1	3.1546	1.7996	-0.0024	4.9518	0.1306	-0.0031	0.001	0.1285
601	9.98	10.1	3.1581	1.7963	-0.0025	4.9518	0.0924	0.0061	0.0001	0.0985
602	9.59	10.1	3.1641	1.7902	-0.0027	4.9516	0.1289	-0.0276	-0.0032	0.0981
603	10.2	10.1	3.1675	1.7879	-0.0026	4.9528	0.0552	0.0494	-0.0049	0.0996
604	9.67	10.1	3.1712	1.7829	-0.0028	4.9512	0.0957	0.0039	-0.0047	0.095
605	10.3	10.1	3.1738	1.7799	-0.0026	4.951	0.1057	-0.0035	-0.0036	0.0986
606	9.9	10.1	3.1746	1.7792	-0.0025	4.9513	0.1344	-0.0407	-0.0034	0.0902
607	10.5	10.1	3.1722	1.7812	-0.0028	4.9506	0.1166	-0.0302	-0.0045	0.0819
608	9.66	10.2	3.1716	1.7809	-0.0029	4.9496	0.0861	0.0051	-0.0045	0.0867
609	9.62	10.1	3.172	1.7802	-0.0027	4.9495	0.0951	-0.0043	-0.0054	0.0854
610	9.88	10.1	3.1735	1.7785	-0.0026	4.9494	0.1171	-0.022	-0.0053	0.0898
611	10.3	10.1	3.1766	1.7757	-0.0025	4.9498	0.1476	-0.0236	-0.0042	0.1198
612	10.5	10.2	3.1778	1.7746	-0.0023	4.9501	0.1395	-0.0445	-0.004	0.091
613	10.6	10.1	3.1772	1.7753	-0.0024	4.9502	0.1092	-0.0118	-0.0018	0.0956
614	10.1	10.1	3.1751	1.7776	-0.0025	4.9502	0.0789	0.0164	-0.001	0.0943
615	10	10.1	3.1726	1.7792	-0.0025	4.9493	0.0827	0.0238	-0.001	0.1056
616	10.5	10.1	3.1711	1.7807	-0.0024	4.9494	0.119	-0.0105	-0.0017	0.1068
617	10.7	10.1	3.171	1.7808	-0.0024	4.9494	0.1769	-0.0715	-0.0048	0.1007
618	10	10.1	3.1684	1.7834	-0.0023	4.9495	0.1856	-0.0889	-0.0075	0.0892
619	9.97	10.2	3.165	1.7874	-0.0022	4.9502	0.1857	-0.0893	-0.0067	0.0897
620	10.7	10.2	3.164	1.7879	-0.0022	4.9498	0.1741	-0.0881	-0.0045	0.0814

621	10.3	10.2	3.1627	1.7883	-0.0023	4.9487	0.1391	-0.0769	-0.0056	0.0565
622	9.57	10.2	3.1599	1.7901	-0.0025	4.9476	0.1254	-0.0375	-0.0078	0.0802
623	9.75	10.2	3.1576	1.7926	-0.0025	4.9476	0.0854	0.0037	-0.0091	0.08
624	10.2	10.2	3.1563	1.794	-0.0025	4.9478	0.0672	0.0246	-0.009	0.0828
625	9.91	10.2	3.1567	1.7936	-0.0025	4.9478	0.1081	-0.0156	-0.0083	0.0842
626	10.3	10.2	3.1607	1.7897	-0.0025	4.9479	0.0779	0.0316	-0.0042	0.1052
627	9.79	10.2	3.1639	1.7842	-0.0027	4.9454	0.0423	0.0726	-0.0009	0.114
628	10.4	10.2	3.1644	1.7846	-0.0027	4.9463	0.0135	0.1118	0.0019	0.1272
629	10.3	10.2	3.1589	1.7896	-0.0026	4.9459	0.0005	0.1335	0.0036	0.1376
630	9.95	10.2	3.1531	1.7944	-0.0027	4.9447	-0.0395	0.1672	0.0021	0.1299
631	10.2	10.2	3.1493	1.7975	-0.0028	4.944	-0.1026	0.2054	0.001	0.1038
632	10.4	10.3	3.146	1.8009	-0.0028	4.9441	-0.1624	0.2631	0.0018	0.1025
633	10.4	10.3	3.1412	1.8056	-0.0029	4.9439	-0.121	0.2148	0.0029	0.0967
634	10.9	10.3	3.1378	1.8095	-0.0028	4.9446	-0.1562	0.2453	0.002	0.0911
635	10.4	10.4	3.1364	1.8107	-0.0027	4.9444	-0.1741	0.2538	0.001	0.0807
636	10.1	10.4	3.134	1.8136	-0.0027	4.945	-0.2423	0.3148	0.0008	0.0734
637	9.83	10.5	3.134	1.8136	-0.0026	4.945	-0.2441	0.34	0	0.0959
638	10.3	10.5	3.1346	1.813	-0.0026	4.9449	-0.1982	0.2878	0.0004	0.0899
639	10.8	10.5	3.1309	1.8173	-0.0025	4.9457	-0.1082	0.1887	0.001	0.0815
640	11.1	10.6	3.1327	1.8151	-0.0024	4.9455	-0.0673	0.1364	0.0015	0.0706
641	10.7	10.6	3.1319	1.8162	-0.0025	4.9456	-0.0766	0.1465	0.0014	0.0712
642	9.99	10.6	3.1321	1.8165	-0.0025	4.9461	-0.1012	0.1922	0.0009	0.0919
643	10.5	10.6	3.134	1.8146	-0.0026	4.946	-0.125	0.2181	-0.0022	0.091
644	10.8	10.6	3.1379	1.8102	-0.0027	4.9454	-0.065	0.1649	-0.0005	0.0995
645	10.5	10.6	3.1375	1.81	-0.0027	4.9448	-0.0571	0.1585	0.001	0.1023
646	11	10.6	3.1408	1.8065	-0.0029	4.9444	-0.061	0.1713	0.0032	0.1134
647	10.9	10.6	3.1443	1.8029	-0.0031	4.9441	-0.0995	0.2251	0.003	0.1286
648	11.2	10.6	3.1509	1.7945	-0.0031	4.9424	-0.0564	0.1727	0.003	0.1193
649	11.3	10.7	3.1562	1.7901	-0.0031	4.9432	-0.1422	0.2493	0.0046	0.1117
650	10.5	10.6	3.1556	1.7923	-0.0031	4.9448	-0.225	0.3189	0.0076	0.1014
651	10.3	10.6	3.1498	1.7968	-0.0029	4.9437	-0.2532	0.3535	0.0097	0.11
652	10.2	10.6	3.1571	1.7892	-0.0026	4.9436	-0.2692	0.3606	0.0067	0.0981
653	10.5	10.6	3.154	1.7919	-0.0028	4.9432	-0.2584	0.3461	0.0043	0.092
654	10.4	10.5	3.1499	1.7956	-0.003	4.9425	-0.216	0.3211	0.0048	0.1099
655	10.6	10.5	3.1451	1.8003	-0.0031	4.9424	-0.1093	0.1973	0.0032	0.0912
656	10.2	10.5	3.1431	1.802	-0.0029	4.9422	-0.055	0.1322	0.0042	0.0813
657	10.6	10.5	3.1408	1.8042	-0.0028	4.9422	-0.0448	0.1263	0.003	0.0845

658	11.2	10.4	3.1356	1.808	-0.0027	4.9409	-0.0891	0.1536	-0.0005	0.064
659	10.7	10.4	3.1312	1.8128	-0.0026	4.9414	-0.1055	0.1776	-0.0021	0.0701
660	10.2	10.4	3.1281	1.8162	-0.0025	4.9417	-0.1068	0.1724	0.0022	0.0678
661	10.3	10.4	3.1258	1.8192	-0.0025	4.9424	-0.0824	0.1483	0.0015	0.0673
662	10.1	10.4	3.1241	1.8208	-0.0026	4.9423	-0.045	0.1137	0.0003	0.069
663	9.61	10.4	3.127	1.8184	-0.0028	4.9425	-0.0164	0.0849	0.0006	0.069
664	10.2	10.4	3.1268	1.8177	-0.0029	4.9415	-0.0042	0.0754	0.0019	0.0732
665	10.3	10.4	3.1237	1.82	-0.003	4.9408	-0.0156	0.0901	0.0035	0.078
666	10.4	10.4	3.1201	1.8228	-0.0028	4.9402	-0.0525	0.1209	0.0033	0.0717
667	10.9	10.4	3.1197	1.8237	-0.0026	4.9409	-0.0685	0.1398	0.0039	0.0752
668	10.3	10.4	3.119	1.8242	-0.0028	4.9405	-0.0636	0.1391	0.0049	0.0804
669	10.4	10.3	3.1181	1.826	-0.0031	4.9409	-0.0841	0.1636	0.011	0.0905
670	10.9	10.4	3.1185	1.8247	-0.0032	4.94	-0.1135	0.1999	0.0129	0.0992
671	10.3	10.4	3.1201	1.8225	-0.003	4.9397	-0.096	0.1954	0.0103	0.1097
672	10.3	10.4	3.1296	1.8132	-0.0027	4.94	-0.0934	0.1961	0.0066	0.1093
673	9.96	10.5	3.1316	1.811	-0.0026	4.9399	-0.109	0.1985	0.006	0.0955
674	11.1	10.5	3.1311	1.8114	-0.0025	4.9399	-0.0883	0.1723	0.0079	0.092
675	10.3	10.5	3.1313	1.8111	-0.0028	4.9396	-0.0609	0.1569	0.0085	0.1045
676	10.2	10.5	3.1343	1.8083	-0.0029	4.9397	-0.0472	0.1556	0.0074	0.1158
677	10.5	10.5	3.1353	1.8076	-0.003	4.9398	-0.0155	0.1311	0.0057	0.1213
678	10.4	10.5	3.1344	1.8085	-0.0032	4.9397	0.0481	0.0546	0.0032	0.1059
679	10.6	10.5	3.1347	1.8087	-0.0032	4.9402	0.0587	0.0433	0.0047	0.1067
680	10.7	10.5	3.1377	1.8074	-0.0031	4.9419	0.0113	0.0763	0.0069	0.0945
681	11.2	10.5	3.1415	1.8036	-0.0032	4.9419	-0.0377	0.1158	0.0037	0.0819
682	11.1	10.6	3.139	1.8064	-0.0031	4.9423	-0.0704	0.1407	0.0007	0.071
683	10.4	10.6	3.141	1.8046	-0.0029	4.9426	-0.0981	0.1662	-0.0009	0.0672
684	9.87	10.6	3.144	1.803	-0.0029	4.944	-0.1557	0.2292	0.0013	0.0748
685	10.4	10.6	3.1502	1.798	-0.0029	4.9452	-0.1991	0.2742	0.0044	0.0795
686	10.5	10.6	3.1515	1.7942	-0.0029	4.9427	-0.2287	0.3059	0.0067	0.0839
687	10.8	10.6	3.1514	1.7942	-0.0031	4.9425	-0.2724	0.3532	0.0073	0.0881
688	10	10.6	3.1515	1.7945	-0.0032	4.9429	-0.2701	0.3486	0.0072	0.0857
689	10.5	10.6	3.1525	1.7938	-0.0031	4.9431	-0.2532	0.3373	0.007	0.0911
690	10.9	10.6	3.1515	1.7951	-0.003	4.9437	-0.2554	0.3498	0.0063	0.1007
691	11.3	10.5	3.1502	1.7963	-0.003	4.9436	-0.1986	0.287	0.0069	0.0953
692	10.9	10.5	3.1502	1.7958	-0.0029	4.9431	-0.2144	0.3014	0.006	0.0929
693	10.6	10.5	3.1489	1.7961	-0.0031	4.9419	-0.2141	0.313	0.007	0.1059
694	10.5	10.5	3.15	1.7942	-0.0031	4.9411	-0.2576	0.3553	0.0065	0.1042

695	10.5	10.5	3.1502	1.7934	-0.0031	4.9405	-0.2963	0.3897	0.0057	0.0992
696	10	10.5	3.1563	1.7862	-0.0029	4.9396	-0.3312	0.412	0.0053	0.0862
697	10.3	10.5	3.1587	1.785	-0.0029	4.9407	-0.296	0.3818	0.005	0.0908
698	10.3	10.5	3.169	1.7756	-0.0032	4.9413	-0.2424	0.3393	0.0032	0.1002
699	10.3	10.4	3.1771	1.7688	-0.0034	4.9425	-0.1697	0.2513	0.0014	0.083
700	10.5	10.4	3.18	1.7643	-0.0034	4.9408	-0.1338	0.2185	0.001	0.0857
701	10.4	10.3	3.185	1.7602	-0.0032	4.942	-0.1349	0.2411	-0.0006	0.1056
702	10.1	10.3	3.1899	1.7556	-0.0031	4.9424	-0.1647	0.2655	0.003	0.1038
703	10.3	10.2	3.1891	1.7558	-0.0031	4.9418	-0.0797	0.1744	0.0058	0.1006
704	10.4	10.2	3.1821	1.7631	-0.0031	4.9421	-0.1742	0.2722	0.0025	0.1005
705	10.4	10.1	3.1793	1.7666	-0.003	4.9429	-0.2165	0.3099	0.0013	0.0947
706	10.7	10.1	3.1791	1.7666	-0.0028	4.9429	-0.2422	0.334	0.0007	0.0924
707	9.65	10.1	3.1811	1.7659	-0.0027	4.9442	-0.2298	0.3184	0.0032	0.0917
708	9.97	10.1	3.1822	1.7631	-0.0027	4.9426	-0.2235	0.3101	0.006	0.0926
709	9.94	10	3.1827	1.763	-0.0029	4.9427	-0.2564	0.3219	0.0089	0.0744
710	9.83	9.99	3.1818	1.7636	-0.0027	4.9426	-0.284	0.353	0.01	0.079
711	10.1	9.96	3.1811	1.7643	-0.0025	4.9429	-0.2863	0.363	0.0109	0.0876
712	9.45	9.99	3.1794	1.7662	-0.0024	4.9432	-0.2812	0.3681	0.0103	0.0972
713	9.82	9.99	3.1776	1.7678	-0.0026	4.9429	-0.2824	0.3733	0.0096	0.1005
714	10.2	9.97	3.1767	1.7686	-0.0028	4.9424	-0.2251	0.3321	0.0087	0.1158
715	10.1	9.95	3.1779	1.7671	-0.0028	4.9421	-0.2192	0.3215	0.0077	0.11
716	9.42	9.91	3.178	1.7667	-0.0028	4.9419	-0.2638	0.3537	0.0074	0.0973
717	9.43	9.93	3.1774	1.7669	-0.0029	4.9414	-0.2846	0.3674	0.009	0.0919
718	9.77	9.96	3.1768	1.767	-0.0034	4.9405	-0.2848	0.3733	0.009	0.0976
719	9.78	9.97	3.1764	1.7674	-0.0035	4.9403	-0.337	0.42	0.0071	0.0901
720	9.89	9.98	3.1736	1.7684	-0.0033	4.9388	-0.3674	0.4547	0.0038	0.0911
721	10.5	9.97	3.172	1.7687	-0.003	4.9377	-0.3948	0.4709	0.0015	0.0776
722	10.4	10	3.1708	1.7703	-0.0031	4.938	-0.3897	0.4588	0.0024	0.0715
723	9.99	10.1	3.1664	1.7753	-0.0033	4.9384	-0.2912	0.3554	0.0053	0.0695
724	10	10	3.1624	1.7783	-0.0034	4.9374	-0.2884	0.3483	0.0069	0.0668
725	9.99	10	3.1614	1.7781	-0.0032	4.9362	-0.3311	0.3916	0.0102	0.0707
726	10.1	10	3.1623	1.7766	-0.0031	4.9358	-0.3401	0.4044	0.0075	0.0718
727	10.5	10.1	3.1591	1.7787	-0.003	4.9349	-0.2982	0.368	0.0076	0.0774
728	10.1	10.1	3.1585	1.7803	-0.0032	4.9357	-0.2496	0.3344	0.0052	0.0899
729	10	10.1	3.1577	1.782	-0.0033	4.9364	-0.2309	0.3021	0.0007	0.0719
730	9.87	10.2	3.1569	1.7828	-0.0031	4.9366	-0.2367	0.3157	0.0005	0.0795
731	10.6	10.1	3.1563	1.7835	-0.0029	4.9369	-0.2017	0.3	0.0024	0.1007

732	10.3	10.1	3.1558	1.7843	-0.0027	4.9374	-0.1731	0.2691	0.0027	0.0987
733	9.91	10.1	3.1567	1.7827	-0.003	4.9364	-0.2489	0.3346	0.0033	0.089
734	9.6	10.2	3.1578	1.7821	-0.0032	4.9366	-0.2846	0.3714	0.0037	0.0906
735	9.84	10.2	3.1593	1.7801	-0.0033	4.936	-0.2774	0.3788	0.0015	0.103
736	9.88	10.2	3.1613	1.7783	-0.0034	4.9362	-0.2375	0.3577	-0.0023	0.1179
737	10.5	10.2	3.161	1.7787	-0.0033	4.9364	-0.2401	0.3287	-0.0033	0.0853
738	10.6	10.3	3.1599	1.7792	-0.0033	4.9358	-0.2442	0.3232	-0.0037	0.0753
739	10	10.3	3.1565	1.7823	-0.0031	4.9356	-0.257	0.3402	-0.0019	0.0813
740	9.76	10.4	3.1526	1.7864	-0.0031	4.9359	-0.2682	0.3483	0.0007	0.0808
741	10.4	10.4	3.1534	1.7861	-0.0031	4.9363	-0.2718	0.3521	0.0035	0.0838
742	10.1	10.4	3.1535	1.7852	-0.0032	4.9356	-0.2781	0.3654	0.0043	0.0916
743	11	10.5	3.1597	1.779	-0.0032	4.9356	-0.2578	0.3563	0.0047	0.1032
744	11.1	10.5	3.1675	1.7713	-0.0033	4.9355	-0.2489	0.346	0.0034	0.1005
745	10.4	10.6	3.1706	1.7688	-0.0032	4.9362	-0.225	0.3247	0.0024	0.1021
746	10.5	10.6	3.1704	1.7683	-0.0034	4.9353	-0.25	0.3425	0.002	0.0945
747	10.7	10.6	3.1685	1.7689	-0.0034	4.934	-0.2252	0.3017	0.004	0.0805
748	11.1	10.6	3.1679	1.7694	-0.0032	4.9341	-0.2223	0.3043	0.0035	0.0855
749	11	10.6	3.1696	1.7682	-0.0032	4.9346	-0.1439	0.2305	-0.0032	0.0835
750	11.1	10.7	3.1691	1.7682	-0.003	4.9343	-0.0732	0.1748	-0.0056	0.0961
751	10.3	10.7	3.1663	1.7703	-0.0032	4.9334	-0.0515	0.1356	-0.0053	0.0788
752	11.2	10.8	3.165	1.7717	-0.0032	4.9335	-0.0154	0.1042	-0.0037	0.085
753	10.5	10.8	3.1714	1.7647	-0.003	4.9331	0.0491	0.038	-0.002	0.0851
754	10.7	10.8	3.1715	1.7646	-0.0031	4.9331	0.0493	0.0375	-0.0024	0.0844
755	10.6	10.7	3.1693	1.7669	-0.0031	4.9331	-0.0171	0.1142	-0.0039	0.0932
756	10.5	10.7	3.1661	1.7702	-0.0033	4.933	-0.0388	0.1501	-0.0042	0.1072
757	10.6	10.7	3.1632	1.7732	-0.0034	4.933	-0.028	0.135	-0.0008	0.1062
758	10.7	10.7	3.1612	1.7758	-0.0035	4.9334	-0.0103	0.1256	0.0032	0.1186
759	10.6	10.7	3.1596	1.7775	-0.0036	4.9335	-0.0139	0.113	0.0055	0.1046
760	10.9	10.6	3.1567	1.7799	-0.0036	4.933	-0.0115	0.116	0.0014	0.1059
761	11.2	10.6	3.1539	1.7824	-0.0035	4.9327	-0.0283	0.1288	0.0025	0.103
762	11.5	10.5	3.1523	1.7835	-0.0036	4.9322	-0.0349	0.1338	0.0056	0.1045
763	10.4	10.5	3.1495	1.7852	-0.0037	4.931	-0.0474	0.1548	0.0055	0.1129
764	9.9	10.5	3.1487	1.7855	-0.0037	4.9306	-0.0522	0.1628	0.0012	0.1119
765	10.3	10.5	3.1501	1.7846	-0.0037	4.931	-0.0466	0.1504	-0.0025	0.1013
766	10.9	10.5	3.1486	1.7861	-0.0037	4.931	-0.0329	0.1312	-0.0029	0.0954
767	10.3	10.5	3.1482	1.7864	-0.0035	4.9311	-0.0318	0.1296	-0.0025	0.0954
768	10.3	10.4	3.1527	1.7822	-0.0035	4.9314	-0.0319	0.1317	-0.0039	0.0959

769	9.81	10.4	3.1548	1.7805	-0.0035	4.9318	-0.0269	0.1297	-0.0108	0.0921
770	10.1	10.3	3.158	1.7776	-0.0033	4.9323	0.0018	0.1038	-0.0136	0.0919
771	10.5	10.3	3.1591	1.7766	-0.0033	4.9325	-0.0095	0.0993	-0.0108	0.079
772	10.2	10.2	3.1587	1.7776	-0.0032	4.9331	-0.023	0.0989	-0.0098	0.0661
773	10.3	10.2	3.1604	1.7762	-0.0033	4.9333	-0.023	0.0986	-0.008	0.0677
774	10.6	10.3	3.1642	1.7722	-0.0036	4.9328	-0.0789	0.1647	-0.0095	0.0763
775	9.8	10.3	3.1653	1.7707	-0.0035	4.9325	-0.1028	0.1762	-0.0105	0.063
776	10.3	10.3	3.1641	1.7715	-0.0037	4.932	-0.0754	0.1426	-0.0094	0.0578
777	9.95	10.3	3.1602	1.7741	-0.0036	4.9308	-0.0615	0.1296	-0.0083	0.0599
778	10.2	10.3	3.1575	1.7783	-0.0033	4.9325	-0.095	0.1554	-0.0094	0.051
779	9.79	10.3	3.1583	1.7772	-0.0032	4.9323	-0.1024	0.1663	-0.0112	0.0527
780	10.1	10.4	3.1578	1.7774	-0.0033	4.9319	-0.0967	0.1695	-0.0114	0.0614
781	10.1	10.4	3.1588	1.7767	-0.0034	4.932	-0.1035	0.1781	-0.0083	0.0664
782	10.6	10.4	3.1639	1.7729	-0.0034	4.9334	-0.0774	0.1498	-0.0057	0.0667
783	11.2	10.3	3.1694	1.7674	-0.0033	4.9336	-0.0987	0.1747	-0.0036	0.0724
784	11	10.3	3.1717	1.7651	-0.0031	4.9337	-0.1359	0.2056	-0.005	0.0647
785	10.4	10.3	3.1739	1.7622	-0.0027	4.9334	-0.0964	0.1686	-0.0064	0.0657
786	10.2	10.3	3.1755	1.7613	-0.0026	4.9342	-0.0841	0.1479	-0.0054	0.0584
787	10.2	10.3	3.1758	1.7618	-0.0027	4.9349	-0.056	0.1289	-0.005	0.0679
788	10.5	10.3	3.1772	1.7605	-0.003	4.9348	-0.0506	0.1416	-0.0042	0.0868
789	10.9	10.4	3.1793	1.759	-0.0032	4.935	-0.0339	0.131	-0.0028	0.0944
790	10.6	10.4	3.1787	1.7599	-0.0033	4.9353	-0.0668	0.1605	0	0.0937
791	10.1	10.4	3.178	1.7598	-0.0034	4.9344	-0.0813	0.1978	0.001	0.1175
792	10	10.4	3.176	1.7602	-0.0034	4.9327	-0.0398	0.1706	0.002	0.1328
793	9.75	10.4	3.1737	1.7615	-0.0034	4.9319	-0.0466	0.1499	0.0026	0.1059
794	9.77	10.3	3.1725	1.7617	-0.0033	4.9309	-0.0314	0.1322	0.0028	0.1037
795	10.3	10.3	3.1752	1.7591	-0.0033	4.931	0.0099	0.0909	0.0015	0.1023
796	10.1	10.2	3.1788	1.756	-0.0033	4.9315	0.03	0.0898	0.0017	0.1214
797	10.7	10.2	3.1809	1.7546	-0.0033	4.9322	0.0098	0.0984	-0.0008	0.1074
798	10.7	10.2	3.1833	1.7525	-0.0029	4.9329	-0.0057	0.1077	-0.0019	0.1001
799	10.2	10.2	3.1844	1.7513	-0.0028	4.9329	0.0006	0.103	0.0005	0.1041
800	10.4	10.2	3.1851	1.7507	-0.0029	4.9329	0.0422	0.0673	0.0002	0.1097
801	11	10.2	3.1865	1.7498	-0.0028	4.9335	-0.0163	0.1189	0.0026	0.1052
802	10.1	10.2	3.185	1.7518	-0.0029	4.9339	0.0024	0.0893	0.0016	0.0934
803	9.8	10.2	3.1842	1.7521	-0.0029	4.9334	0.0073	0.0874	0.0015	0.0962
804	9.72	10.2	3.1838	1.7517	-0.0027	4.9328	0.074	0.0218	0.0029	0.0987
805	9.77	10.2	3.1832	1.7516	-0.0026	4.9322	0.0647	0.0295	0.0007	0.0949

806	9.89	10.2	3.1819	1.7531	-0.0027	4.9322	0.0129	0.0734	-0.0005	0.0867
807	10	10.1	3.1821	1.7533	-0.003	4.9324	-0.0214	0.1013	-0.0007	0.0792
808	10.5	10.1	3.1835	1.7518	-0.0033	4.9321	-0.0188	0.1063	-0.0024	0.085
809	10.3	10.1	3.1838	1.7514	-0.003	4.9321	-0.0444	0.1378	-0.0035	0.0899
810	10.4	10.1	3.1846	1.7508	-0.003	4.9324	-0.1029	0.2063	-0.004	0.0993
811	10	10	3.1846	1.7509	-0.0031	4.9324	-0.1414	0.2396	-0.0039	0.0943
812	10.3	10	3.1841	1.7507	-0.0029	4.9319	-0.1549	0.2492	-0.002	0.0922
813	10	10	3.1829	1.7515	-0.0027	4.9317	-0.1971	0.2881	-0.0015	0.0896
814	9.88	10.1	3.1813	1.7536	-0.0026	4.9323	-0.2372	0.3169	-0.0023	0.0774
815	9.7	10.1	3.1812	1.7539	-0.0025	4.9326	-0.2356	0.3115	-0.0035	0.0725
816	9.95	10.1	3.1811	1.7538	-0.0026	4.9324	-0.2069	0.2865	-0.0051	0.0745
817	9.95	10.1	3.1805	1.7538	-0.0025	4.9318	-0.2229	0.3018	-0.007	0.0718
818	9.98	10.2	3.1795	1.7541	-0.0023	4.9313	-0.2312	0.3063	-0.006	0.0692
819	10.1	10.2	3.1762	1.757	-0.0021	4.9311	-0.1851	0.2536	-0.0069	0.0616
820	10	10.2	3.1746	1.7585	-0.0022	4.9309	-0.1641	0.2394	-0.0079	0.0674
821	9.95	10.3	3.1743	1.7588	-0.002	4.9311	-0.1543	0.2303	-0.0074	0.0686
822	9.99	10.3	3.1731	1.7604	-0.0023	4.9312	-0.1631	0.219	-0.0036	0.0523
823	10.2	10.3	3.1743	1.7589	-0.0024	4.9308	-0.1655	0.2471	-0.0027	0.0788
824	10.3	10.4	3.1727	1.7607	-0.0023	4.9311	-0.1648	0.2475	-0.0008	0.082
825	10.5	10.4	3.1689	1.7638	-0.0023	4.9304	-0.132	0.2126	-0.005	0.0756
826	10.7	10.5	3.1684	1.7636	-0.0022	4.9298	-0.1366	0.2111	-0.0084	0.0661
827	10.7	10.6	3.1686	1.7632	-0.0021	4.9298	-0.1687	0.237	-0.0136	0.0547
828	10.7	10.6	3.1688	1.7637	-0.002	4.9304	-0.2152	0.2691	-0.0142	0.0397
829	11	10.7	3.1674	1.765	-0.0022	4.9303	-0.2117	0.2791	-0.0111	0.0563
830	11	10.8	3.1672	1.765	-0.0023	4.9299	-0.1778	0.2471	-0.0103	0.059
831	10.8	10.9	3.164	1.7685	-0.0023	4.9302	-0.183	0.2584	-0.0105	0.0649
832	10.6	11	3.1657	1.7668	-0.0024	4.9301	-0.1499	0.2309	-0.0105	0.0706
833	11	11	3.1703	1.7621	-0.0025	4.93	-0.1049	0.2	-0.0086	0.0865
834	10.7	11.1	3.1674	1.7652	-0.0026	4.93	-0.085	0.1693	-0.01	0.0743
835	11	11.1	3.1677	1.7653	-0.0028	4.9301	-0.0701	0.1555	-0.0093	0.0761
836	11.5	11.1	3.1669	1.7654	-0.0029	4.9294	-0.0494	0.1347	-0.0044	0.0809
837	11.7	11.2	3.1661	1.7646	-0.0029	4.9277	-0.0377	0.134	-0.0018	0.0945
838	11.9	11.2	3.1633	1.7662	-0.003	4.9264	-0.0314	0.1348	-0.0005	0.1029
839	11.5	11.2	3.1632	1.7663	-0.0031	4.9263	0.003	0.1107	-0.0031	0.1106
840	11.5	11.2	3.1607	1.7666	-0.0032	4.9242	0.0349	0.0947	-0.0038	0.1258
841	11.3	11.2	3.1574	1.769	-0.0033	4.9231	0.0262	0.1035	-0.0058	0.1239
842	11	11.2	3.1582	1.7702	-0.0035	4.925	-0.0147	0.1206	-0.0087	0.0973

843	11.8	11.1	3.1629	1.7658	-0.0035	4.9252	-0.0143	0.1067	-0.0071	0.0852
844	11.2	11.1	3.1665	1.7622	-0.0034	4.9252	-0.0206	0.1176	-0.003	0.0941
845	10.9	11.1	3.1676	1.7598	-0.0034	4.924	-0.0363	0.1277	-0.0015	0.0899
846	11.2	11	3.1694	1.7585	-0.0033	4.9246	-0.0042	0.1004	-0.0022	0.094
847	11.4	10.9	3.1691	1.7582	-0.0032	4.924	0.0688	0.0354	-0.003	0.1011
848	10.4	10.9	3.1679	1.7591	-0.0033	4.9237	0.0985	0.0152	-0.0034	0.1103
849	11.2	10.8	3.1654	1.7615	-0.0032	4.9236	0.138	-0.0171	-0.0001	0.1208
850	10.3	10.8	3.1707	1.7563	-0.0033	4.9237	0.1516	-0.0334	-0.0002	0.118
851	10.6	10.7	3.166	1.7613	-0.0033	4.924	0.1324	-0.0178	-0.0019	0.1128
852	10.4	10.7	3.1643	1.763	-0.0034	4.9239	0.1285	-0.0046	0.001	0.1249
853	10.9	10.6	3.164	1.7625	-0.0033	4.9233	0.0951	0.0324	0.0018	0.1293
854	10.2	10.6	3.1651	1.7617	-0.0032	4.9236	0.1065	0.0143	0.0015	0.1224
855	10.2	10.6	3.168	1.7596	-0.0032	4.9245	0.0789	0.0299	0.0029	0.1117
856	10	10.6	3.1683	1.7601	-0.0032	4.9251	0.0556	0.0491	0.0031	0.1078
857	10.7	10.6	3.1651	1.7626	-0.0032	4.9245	0.0253	0.069	0.0023	0.0967
858	10.6	10.6	3.1657	1.762	-0.0032	4.9244	0.0261	0.0737	-0.0023	0.0975
859	11	10.6	3.1699	1.7569	-0.0032	4.9235	0.0318	0.0697	-0.005	0.0965
860	10.2	10.6	3.1708	1.7559	-0.0032	4.9235	0.0363	0.0607	-0.0028	0.0942
861	10.4	10.6	3.1694	1.7574	-0.0033	4.9235	0.0695	0.0305	-0.001	0.099
862	10.3	10.7	3.172	1.7547	-0.0034	4.9233	0.1107	-0.0063	-0.0015	0.1029
863	10.3	10.7	3.1732	1.7535	-0.0035	4.9232	0.1274	-0.0257	0.0002	0.102
864	10.4	10.7	3.1723	1.7544	-0.0034	4.9233	0.1186	-0.0241	0.0048	0.0993
865	11.2	10.7	3.1708	1.756	-0.0032	4.9236	0.1058	-0.0301	0.008	0.0838
866	11.4	10.7	3.1709	1.7559	-0.003	4.9238	0.1631	-0.057	0.0095	0.1156
867	10.8	10.7	3.1713	1.7558	-0.0029	4.9242	0.1676	-0.0517	0.0095	0.1254
868	10.7	10.7	3.1712	1.7569	-0.0028	4.9253	0.2087	-0.087	0.013	0.1347
869	11.4	10.7	3.1712	1.7566	-0.0027	4.9251	0.1887	-0.0906	0.0151	0.1131
870	11	10.8	3.1734	1.7546	-0.0026	4.9254	0.1672	-0.0692	0.0175	0.1154
871	10.9	10.8	3.1754	1.7547	-0.0029	4.9273	0.1019	0.0038	0.0165	0.1223
872	10.6	10.8	3.1753	1.7529	-0.003	4.9252	0.0703	0.0321	0.0192	0.1217
873	10.6	10.8	3.1769	1.7514	-0.0032	4.9251	0.0988	0.0075	0.0171	0.1234
874	10.5	10.8	3.1774	1.7509	-0.0031	4.9253	0.137	-0.0372	0.0167	0.1165
875	10.9	10.7	3.1789	1.7496	-0.0027	4.9259	0.1415	-0.0298	0.0166	0.1283
876	11	10.7	3.181	1.7478	-0.0023	4.9265	0.1144	0.0014	0.0168	0.1327
877	10.5	10.6	3.1818	1.7472	-0.0021	4.9268	0.0922	0.0384	0.0185	0.1491
878	10.7	10.6	3.1787	1.7504	-0.0022	4.9269	0.0242	0.1075	0.0185	0.1502
879	10.7	10.6	3.1761	1.7525	-0.0022	4.9264	0.0023	0.1203	0.0165	0.1391

880	10.8	10.5	3.1762	1.7515	-0.0023	4.9254	0.0105	0.1316	0.0153	0.1574
881	10.2	10.5	3.1738	1.7536	-0.0024	4.925	0.0396	0.1064	0.0134	0.1593
882	10.4	10.5	3.1744	1.7529	-0.0026	4.9247	-0.0071	0.1455	0.0124	0.1507
883	10.5	10.5	3.1779	1.7505	-0.0023	4.9262	-0.0414	0.174	0.011	0.1436
884	10.2	10.5	3.1787	1.7495	-0.0021	4.9261	-0.0164	0.1469	0.0116	0.1421
885	10.4	10.5	3.1789	1.7487	-0.0022	4.9254	-0.0494	0.1819	0.011	0.1435
886	10.2	10.4	3.1792	1.7479	-0.0024	4.9247	-0.0611	0.1962	0.007	0.1421
887	10.3	10.4	3.1789	1.7484	-0.0027	4.9246	-0.0717	0.2029	0.0043	0.1354
888	10.4	10.4	3.1769	1.7495	-0.0027	4.9237	-0.0958	0.2111	0.003	0.1182
889	10.6	10.4	3.1758	1.7495	-0.0028	4.9224	-0.1354	0.2355	0.0026	0.1027
890	10.2	10.5	3.1761	1.7496	-0.0027	4.9229	-0.16	0.2537	0.0017	0.0954
891	9.88	10.5	3.1795	1.7477	-0.0025	4.9247	-0.1921	0.2574	0.0011	0.0663
892	10.3	10.6	3.1774	1.7495	-0.0027	4.9242	-0.2372	0.2891	0.0007	0.0525
893	10.9	10.6	3.1758	1.7497	-0.0031	4.9224	-0.2434	0.2997	-0.0028	0.0535
894	10.6	10.7	3.1761	1.749	-0.0032	4.9219	-0.1864	0.2535	-0.0043	0.0628
895	10.4	10.7	3.1756	1.7491	-0.0031	4.9216	-0.14	0.2033	-0.003	0.0603
896	10.6	10.7	3.1719	1.7525	-0.003	4.9214	-0.1283	0.1766	-0.0015	0.0468
897	10.7	10.7	3.1711	1.753	-0.003	4.9211	-0.107	0.1604	-0.0011	0.0524
898	10.9	10.7	3.1695	1.7542	-0.0029	4.9209	-0.1109	0.1588	-0.0014	0.0466
899	11.3	10.7	3.1693	1.7547	-0.0028	4.9211	-0.1077	0.1673	-0.0006	0.059
900	11.4	10.8	3.1719	1.7525	-0.0027	4.9216	-0.1356	0.1786	0	0.043
901	11.5	10.8	3.1737	1.7502	-0.0029	4.921	-0.078	0.1179	-0.0001	0.0399
902	11.2	10.8	3.1755	1.7486	-0.0031	4.921	-0.1218	0.1622	-0.0004	0.04
903	10.7	10.8	3.1735	1.7506	-0.003	4.9211	-0.1425	0.1952	-0.0031	0.0496
904	11	10.8	3.1759	1.7487	-0.003	4.9216	-0.1454	0.1942	-0.0068	0.042
905	10.9	10.8	3.1776	1.7467	-0.0029	4.9214	-0.1201	0.1659	-0.0042	0.0416
906	10.3	10.8	3.1794	1.7462	-0.003	4.9226	-0.0863	0.1311	-0.0027	0.0421
907	10.5	10.8	3.1795	1.7459	-0.0028	4.9226	-0.092	0.1417	-0.0025	0.0472
908	10.7	10.7	3.1804	1.7449	-0.0028	4.9225	-0.1282	0.1752	-0.0031	0.0438
909	10.6	10.7	3.1802	1.7453	-0.0027	4.9227	-0.1148	0.1656	-0.0046	0.0462
910	10.6	10.6	3.1776	1.7477	-0.0029	4.9224	-0.0567	0.1005	-0.0028	0.041
911	10.3	10.6	3.1735	1.7515	-0.0029	4.9221	-0.0318	0.0768	0.0003	0.0453
912	10.6	10.6	3.1714	1.7533	-0.003	4.9217	-0.0503	0.1042	-0.0002	0.0536
913	10.3	10.6	3.171	1.7539	-0.0032	4.9218	-0.0219	0.0784	-0.0013	0.0553
914	10.2	10.5	3.1707	1.7566	-0.0034	4.9239	-0.0102	0.0647	-0.0046	0.0499
915	10.6	10.5	3.1649	1.7596	-0.0035	4.921	-0.0152	0.0733	-0.0031	0.055
916	10.8	10.5	3.1644	1.7589	-0.0035	4.9198	0.0001	0.0732	0.0025	0.0758

917	10.6	10.6	3.1597	1.7625	-0.0038	4.9183	-0.0085	0.0727	0.0066	0.0709
918	10.3	10.5	3.1606	1.7631	-0.0038	4.9199	0.0131	0.0548	0.0084	0.0762
919	10.5	10.5	3.1595	1.764	-0.0039	4.9195	0.0289	0.0472	0.0085	0.0846
920	10.9	10.5	3.1644	1.7581	-0.0038	4.9187	0.0285	0.0455	0.0079	0.0819
921	10.6	10.4	3.1673	1.7556	-0.0039	4.919	0.0529	0.0271	0.0096	0.0896
922	10.5	10.4	3.1632	1.7597	-0.004	4.9189	0.1011	0.0022	0.0077	0.111
923	10.1	10.3	3.1606	1.7626	-0.0041	4.9191	0.0826	0.0123	0.0074	0.1023
924	10.8	10.3	3.1585	1.7637	-0.004	4.9182	0.062	0.0407	0.0033	0.106
925	10.8	10.3	3.1575	1.7637	-0.004	4.9171	0.0723	0.0351	0.0044	0.1119
926	10.6	10.2	3.1592	1.7598	-0.0041	4.9149	0.0942	0.0225	0.0073	0.124
927	9.78	10.2	3.1662	1.7524	-0.0039	4.9147	0.1113	0.0093	0.0099	0.1305
928	10.6	10.2	3.1685	1.7516	-0.0037	4.9165	0.1315	-0.0136	0.0142	0.1321
929	9.59	10.1	3.1664	1.7519	-0.0037	4.9145	0.1364	-0.0161	0.0166	0.1369
930	9.69	10.1	3.1633	1.7543	-0.0036	4.914	0.1613	-0.0297	0.0174	0.149
931	9.63	10.1	3.1647	1.7539	-0.0035	4.9151	0.1935	-0.0704	0.0171	0.1401
932	9.59	10.1	3.1698	1.7494	-0.0035	4.9157	0.1825	-0.0565	0.0177	0.1437
933	9.67	10.1	3.172	1.7474	-0.0036	4.9158	0.2281	-0.0928	0.0165	0.1518
934	9.66	10	3.1723	1.7471	-0.0037	4.9157	0.2968	-0.1421	0.0186	0.1733
935	10.1	9.99	3.1738	1.7456	-0.0035	4.9159	0.3149	-0.1548	0.0213	0.1814
936	10	9.95	3.1741	1.7451	-0.0033	4.9158	0.3689	-0.2117	0.0251	0.1822
937	9.63	9.93	3.1757	1.7435	-0.0032	4.9159	0.3531	-0.1944	0.0247	0.1834
938	10.3	9.88	3.1768	1.7426	-0.0033	4.9161	0.375	-0.2082	0.0215	0.1883
939	10.1	9.88	3.1792	1.7409	-0.0033	4.9167	0.3304	-0.1665	0.0207	0.1845
940	10.7	9.85	3.18	1.7409	-0.0033	4.9175	0.276	-0.1174	0.0174	0.1761
941	10.5	9.85	3.1811	1.7401	-0.0034	4.9178	0.2443	-0.0805	0.0178	0.1816
942	9.9	9.85	3.1825	1.7403	-0.0032	4.9196	0.2717	-0.0878	0.0219	0.2058
943	9.77	9.83	3.1815	1.7405	-0.0031	4.9189	0.2151	-0.0417	0.0221	0.1956
944	9.8	9.81	3.1805	1.7418	-0.0031	4.9192	0.1642	0.0118	0.0174	0.1934
945	9.88	9.78	3.1804	1.7421	-0.0032	4.9193	0.1409	0.0363	0.0142	0.1914
946	9.42	9.78	3.1801	1.7425	-0.0032	4.9194	0.0923	0.0584	0.0135	0.1642
947	9.69	9.84	3.1802	1.7423	-0.0031	4.9194	0.0319	0.1119	0.0156	0.1595
948	9.65	9.86	3.1786	1.7424	-0.0032	4.9178	0.0513	0.0803	0.0173	0.1489
949	9.05	9.87	3.1789	1.7436	-0.0032	4.9194	0.0305	0.0916	0.017	0.1391
950	9.63	9.86	3.1785	1.7445	-0.0033	4.9197	0.0454	0.0754	0.0181	0.1389
951	9.64	9.9	3.1782	1.7451	-0.0033	4.92	0.0258	0.1116	0.0188	0.1562
952	9.16	9.93	3.1785	1.7435	-0.003	4.919	0.0319	0.1053	0.0158	0.1531
953	9.32	10	3.1786	1.7431	-0.0026	4.9191	0.0054	0.1273	0.0135	0.1462

954	9.54	10	3.1771	1.7451	-0.0028	4.9194	-0.05	0.1753	0.0129	0.1382
955	10.1	10.1	3.1767	1.7465	-0.0029	4.9202	-0.0422	0.1575	0.013	0.1283
956	10.7	10.2	3.1775	1.7459	-0.0029	4.9204	-0.0491	0.1375	0.0139	0.1023
957	10.8	10.2	3.1779	1.7451	-0.0029	4.9201	-0.054	0.1645	0.0147	0.1252
958	10.2	10.2	3.1771	1.7454	-0.0027	4.9198	-0.023	0.1455	0.017	0.1395
959	10.6	10.3	3.1755	1.7468	-0.0029	4.9195	-0.0236	0.1402	0.0173	0.1339
960	11.2	10.3	3.174	1.7482	-0.0032	4.919	-0.0134	0.1353	0.0166	0.1385
961	10.5	10.4	3.1744	1.747	-0.0033	4.9181	-0.0485	0.1804	0.0119	0.1438
962	11.1	10.4	3.1742	1.7469	-0.0033	4.9178	-0.0911	0.2138	0.0085	0.1312
963	10.7	10.5	3.1742	1.747	-0.003	4.9182	-0.1216	0.2297	0.0072	0.1153
964	10.9	10.6	3.1738	1.7471	-0.003	4.9178	-0.1287	0.2391	0.0047	0.1151
965	10.4	10.6	3.1708	1.7487	-0.0034	4.916	-0.1374	0.265	0.0017	0.1294
966	10.2	10.6	3.1717	1.7486	-0.0036	4.9167	-0.2093	0.3012	-0.0029	0.0889
967	10.7	10.7	3.17	1.7503	-0.0037	4.9166	-0.2235	0.3021	-0.0021	0.0765
968	10.3	10.7	3.1684	1.7521	-0.0037	4.9168	-0.2828	0.3459	-0.0057	0.0574
969	10.4	10.7	3.1684	1.752	-0.0035	4.9169	-0.2775	0.3481	-0.0078	0.0628
970	10.1	10.7	3.1682	1.7518	-0.0036	4.9164	-0.2766	0.34	-0.0095	0.054
971	9.97	10.7	3.1653	1.7545	-0.0037	4.9162	-0.2051	0.2594	-0.0069	0.0473
972	10.9	10.7	3.167	1.7517	-0.0037	4.915	-0.1649	0.2143	-0.0083	0.0411
973	11.4	10.6	3.1707	1.7473	-0.0035	4.9145	-0.2016	0.2422	-0.009	0.0316
974	10.9	10.6	3.1702	1.7474	-0.0035	4.9141	-0.2174	0.2568	-0.0087	0.0307
975	11	10.6	3.1695	1.7473	-0.0034	4.9134	-0.238	0.2677	-0.0083	0.0214
976	11.1	10.7	3.1699	1.7469	-0.0033	4.9135	-0.2723	0.2968	-0.0068	0.0177
977	11	10.6	3.1686	1.7486	-0.0036	4.9136	-0.2573	0.2716	-0.0079	0.0064
978	10.4	10.6	3.165	1.752	-0.0038	4.9132	-0.1838	0.1901	-0.0078	-0.0015
979	10.7	10.7	3.16	1.7554	-0.0039	4.9115	-0.1572	0.1684	-0.008	0.0033
980	10.6	10.7	3.1568	1.7586	-0.004	4.9114	-0.176	0.162	-0.0067	-0.0207
981	10.8	10.7	3.1555	1.7592	-0.0042	4.9106	-0.1799	0.179	-0.005	-0.0059
982	10.4	10.7	3.1516	1.7622	-0.0042	4.9096	-0.1337	0.1562	-0.0021	0.0204
983	10.4	10.6	3.1483	1.7647	-0.0041	4.9088	-0.0878	0.1233	0.0008	0.0363
984	10.4	10.6	3.1472	1.765	-0.0043	4.908	-0.0647	0.1004	0.0023	0.038
985	10.8	10.6	3.142	1.7699	-0.0047	4.9071	-0.0983	0.1367	0	0.0384
986	10.2	10.5	3.1439	1.7673	-0.0049	4.9064	-0.084	0.1249	0.0011	0.0419
987	10.7	10.5	3.1414	1.7692	-0.0048	4.9058	-0.058	0.1009	0.0057	0.0486
988	10.7	10.4	3.1439	1.7661	-0.0048	4.9053	-0.0252	0.0815	0.0066	0.0629
989	10.5	10.4	3.1482	1.7612	-0.0046	4.9048	-0.0222	0.0938	0.0054	0.077
990	10.4	10.3	3.1517	1.7576	-0.0045	4.9048	0.0112	0.0783	0.0067	0.0963

991	10.4	10.3	3.1523	1.7565	-0.0047	4.9041	0.0223	0.0815	0.007	0.1109
992	10.7	10.3	3.1559	1.7537	-0.0049	4.9046	0.0544	0.0693	0.0031	0.1268
993	10.4	10.3	3.1594	1.7486	-0.0048	4.9031	0.0651	0.0676	0.0032	0.1359
994	10.2	10.3	3.162	1.7453	-0.0046	4.9028	0.0379	0.0728	0.0036	0.1143
995	10.4	10.2	3.1664	1.7432	-0.0044	4.9052	0.0273	0.0832	0.0011	0.1116
996	9.57	10.2	3.1687	1.7413	-0.0046	4.9054	0.0212	0.0886	-0.0005	0.1093
997	9.94	10.2	3.1659	1.745	-0.0047	4.9063	0.0033	0.1148	-0.001	0.1171
998	9.67	10.2	3.1665	1.7451	-0.0046	4.9069	0.0037	0.1141	-0.0007	0.1172
999	9.99	10.2	3.1647	1.7471	-0.0046	4.9072	-0.0114	0.1119	-0.0023	0.0982
1000	9.63	10.2	3.1693	1.7413	-0.0046	4.906	-0.0099	0.1196	-0.0017	0.108
1001	10.1	10.3	3.1705	1.7397	-0.0045	4.9057	-0.0057	0.1143	-0.0009	0.1077
1002	10.3	10.2	3.175	1.7358	-0.0044	4.9064	-0.0166	0.1288	-0.0013	0.1109
1003	10.5	10.2	3.1785	1.7331	-0.0043	4.9073	-0.018	0.1191	0.0018	0.103
1004	10	10.2	3.1801	1.733	-0.0043	4.9088	-0.0206	0.1153	0.0078	0.1025
1005	10.1	10.2	3.1825	1.733	-0.0043	4.9112	-0.0373	0.1378	0.0064	0.1069
1006	10.9	10.2	3.1848	1.7297	-0.0044	4.9101	-0.0374	0.1476	0.0056	0.1158
1007	11	10.2	3.1818	1.7314	-0.0045	4.9087	-0.017	0.1305	0.0055	0.1191
1008	10.2	10.2	3.1827	1.7308	-0.0045	4.9091	-0.0005	0.1125	0.0053	0.1173
1009	10.4	10.1	3.1815	1.7318	-0.0044	4.9089	0.0055	0.1138	0.0066	0.1259
1010	10.9	10.1	3.1825	1.7297	-0.0041	4.9081	-0.0067	0.1288	0.0048	0.1269
1011	10.4	10.1	3.1826	1.7302	-0.0038	4.909	-0.0099	0.1405	0.0035	0.134
1012	9.86	10.1	3.1836	1.7303	-0.0037	4.9101	0.0411	0.1019	0.0007	0.1438
1013	9.72	10.1	3.1839	1.73	-0.0036	4.9103	0.0485	0.0827	-0.0022	0.1291
1014	9.78	10.1	3.1845	1.7301	-0.0035	4.911	0.0568	0.0802	0	0.137
1015	10.2	10.1	3.1858	1.7295	-0.0032	4.9121	0.0514	0.0909	0.0002	0.1425
1016	9.44	10.1	3.1867	1.7287	-0.0033	4.9122	0.0088	0.119	-0.0016	0.1262
1017	9.52	10.1	3.188	1.7279	-0.0032	4.9126	0.0137	0.1235	-0.0023	0.1349
1018	9.78	10.2	3.1884	1.7283	-0.003	4.9137	-0.0148	0.1592	-0.0034	0.141
1019	9.61	10.1	3.1871	1.73	-0.0029	4.9141	-0.0411	0.1932	-0.0013	0.1508
1020	10.1	10.1	3.1849	1.7322	-0.0031	4.9139	-0.0457	0.201	0.0017	0.1571
1021	9.86	10.1	3.1838	1.7342	-0.0031	4.9148	-0.055	0.2067	0.0006	0.1523
1022	10	10.2	3.1834	1.7355	-0.0031	4.9158	-0.0795	0.2321	-0.0025	0.1502
1023	9.97	10.3	3.1824	1.7369	-0.0032	4.9161	-0.0806	0.2307	-0.002	0.1481
1024	10.7	10.4	3.1823	1.7369	-0.0031	4.9161	-0.0579	0.1831	0.0007	0.1259
1025	11.1	10.4	3.1847	1.734	-0.0033	4.9154	-0.0736	0.1891	0	0.1155
1026	10.8	10.5	3.1849	1.7326	-0.0033	4.9143	-0.0802	0.182	0.0004	0.1022
1027	10.7	10.5	3.1846	1.7334	-0.0031	4.9149	-0.078	0.1679	-0.001	0.0889

1028	10.3	10.5	3.1842	1.7348	-0.0029	4.9162	-0.1006	0.1856	-0.0022	0.0828
1029	10.5	10.6	3.184	1.7357	-0.003	4.9166	-0.1349	0.2153	-0.0043	0.0761
1030	10.9	10.6	3.1813	1.7364	-0.0031	4.9146	-0.1842	0.2453	-0.0054	0.0557
1031	10.9	10.7	3.1781	1.7383	-0.0033	4.9131	-0.2167	0.2768	-0.0042	0.0559
1032	11.3	10.7	3.1786	1.7371	-0.0036	4.9121	-0.2281	0.2835	-0.0053	0.05
1033	11.4	10.7	3.1784	1.7374	-0.0039	4.9119	-0.2551	0.3067	-0.0086	0.0431
1034	11.3	10.7	3.1822	1.7334	-0.0037	4.9119	-0.2943	0.3394	-0.0099	0.0352
1035	10.1	10.7	3.1822	1.7332	-0.0036	4.9117	-0.3177	0.3518	-0.008	0.0261
1036	10.6	10.7	3.1799	1.735	-0.0039	4.911	-0.376	0.4062	-0.0134	0.0169
1037	10.3	10.7	3.1782	1.7353	-0.0039	4.9096	-0.3225	0.3597	-0.014	0.0233
1038	10.6	10.7	3.179	1.7332	-0.0038	4.9084	-0.3673	0.4018	-0.0129	0.0216
1039	10.8	10.6	3.178	1.7331	-0.004	4.9071	-0.3293	0.3668	-0.0121	0.0254
1040	10.9	10.6	3.1777	1.7327	-0.004	4.9065	-0.2997	0.3394	-0.0123	0.0274
1041	10.4	10.5	3.1756	1.7332	-0.0037	4.9051	-0.2628	0.2928	-0.013	0.017
1042	10.7	10.4	3.176	1.7335	-0.0035	4.906	-0.2596	0.2842	-0.0137	0.0108
1043	10.3	10.3	3.1777	1.7332	-0.0034	4.9075	-0.2178	0.2502	-0.016	0.0164
1044	10.8	10.2	3.1778	1.7335	-0.0032	4.9081	-0.1684	0.1883	-0.0158	0.0041
1045	10.5	10.2	3.1783	1.7333	-0.0032	4.9084	-0.1252	0.1583	-0.0137	0.0194
1046	10.6	10.2	3.1798	1.731	-0.0031	4.9077	-0.0675	0.1253	-0.0123	0.0455
1047	10.3	10.2	3.1798	1.7309	-0.003	4.9077	-0.0215	0.0826	-0.0144	0.0467
1048	9.53	10.2	3.1798	1.7312	-0.003	4.9079	-0.0438	0.1182	-0.0159	0.0585
1049	9.71	10.2	3.1799	1.7317	-0.003	4.9086	-0.0256	0.1085	-0.0141	0.0688
1050	9.61	10.2	3.1791	1.7331	-0.0032	4.909	-0.0355	0.1207	-0.0101	0.0751
1051	9.59	10.2	3.1799	1.7322	-0.0032	4.9089	0.0138	0.0645	-0.0114	0.0669
1052	9.8	10.3	3.1803	1.7316	-0.0032	4.9087	0.0161	0.0637	-0.008	0.0719
1053	9.51	10.3	3.1806	1.7316	-0.0034	4.9088	0.0423	0.0418	-0.0076	0.0765
1054	9.59	10.3	3.1808	1.7313	-0.0034	4.9087	0.0563	0.0319	-0.007	0.0812
1055	9.86	10.3	3.1804	1.7317	-0.0035	4.9087	0.071	0.0365	-0.0061	0.1014
1056	10.4	10.3	3.1792	1.7328	-0.0035	4.9085	0.0989	0.0357	-0.0045	0.1301
1057	11.4	10.4	3.1779	1.7338	-0.0034	4.9083	0.1283	0.0054	-0.006	0.1277
1058	11.1	10.4	3.1766	1.734	-0.0034	4.9072	0.1109	0.0182	-0.007	0.1221
1059	10.8	10.5	3.1762	1.734	-0.0034	4.9068	0.1105	0.0255	-0.0047	0.1313
1060	10.6	10.6	3.175	1.7342	-0.0036	4.9056	0.1017	0.0358	-0.0047	0.1327
1061	10.8	10.6	3.1703	1.7368	-0.0034	4.9038	0.1331	0.0059	-0.0065	0.1325
1062	10.9	10.6	3.1694	1.7386	-0.0031	4.9048	0.1538	-0.0212	-0.0068	0.1257
1063	11.3	10.7	3.1685	1.739	-0.003	4.9045	0.1483	-0.0151	-0.0048	0.1284
1064	10.8	10.7	3.1686	1.738	-0.0031	4.9035	0.1677	-0.0433	-0.0035	0.1209

1065	10.6	10.7	3.1699	1.7368	-0.0033	4.9034	0.1312	-0.0067	-0.0042	0.1203
1066	10.9	10.7	3.1703	1.7363	-0.0034	4.9032	0.1359	-0.0074	0.0003	0.1288
1067	10.9	10.6	3.1715	1.7344	-0.0034	4.9025	0.1361	-0.0155	0.0004	0.121
1068	10.9	10.5	3.1725	1.7328	-0.0035	4.9017	0.1526	-0.0382	0.0017	0.1161
1069	10.9	10.5	3.1729	1.7319	-0.0037	4.9012	0.143	-0.0281	0.0048	0.1197
1070	10.4	10.5	3.1737	1.7312	-0.0036	4.9012	0.1218	-0.002	0.0074	0.1272
1071	10.3	10.5	3.1733	1.7313	-0.0034	4.9012	0.113	0.0152	0.0056	0.1338
1072	10.2	10.5	3.1751	1.7286	-0.0035	4.9002	0.1024	0.0358	0.0042	0.1424
1073	10.1	10.4	3.1765	1.729	-0.0036	4.9019	0.0759	0.0619	0.0031	0.1409
1074	10.3	10.4	3.1775	1.7285	-0.0035	4.9025	0.0647	0.0874	0.0021	0.1541
1075	9.7	10.3	3.1775	1.7291	-0.0034	4.9032	0.069	0.0883	0.0049	0.1622
1076	9.98	10.3	3.1777	1.7301	-0.0032	4.9046	0.0824	0.0743	0.0052	0.1619
1077	10	10.2	3.1787	1.73	-0.0033	4.9054	0.0805	0.0607	0.0063	0.1474
1078	10.1	10.1	3.1785	1.7304	-0.0034	4.9056	0.0736	0.0675	0.0084	0.1494
1079	10.3	10	3.1784	1.7309	-0.0034	4.9059	0.0795	0.0729	0.0104	0.1629
1080	10.7	10	3.1785	1.7309	-0.0036	4.9058	0.0612	0.0981	0.0098	0.1691
1081	10.2	9.99	3.1783	1.7309	-0.0036	4.9056	0.0209	0.1188	0.009	0.1487
1082	9.86	9.99	3.1771	1.7315	-0.0034	4.9053	0.0001	0.1319	0.0061	0.1381
1083	10.4	9.99	3.1777	1.7308	-0.0031	4.9053	0.0141	0.1162	0.0019	0.1321
1084	9.98	9.99	3.179	1.7298	-0.0035	4.9053	0.0081	0.1223	-0.0002	0.1302
1085	9.67	10	3.1796	1.7293	-0.0034	4.9054	0.0525	0.079	0.0029	0.1343
1086	9.76	10.1	3.1762	1.7314	-0.0035	4.904	0.0167	0.1093	0.0048	0.1308
1087	8.99	10.1	3.1782	1.729	-0.0035	4.9037	0.0146	0.1076	0.001	0.1232
1088	9.61	10.2	3.1768	1.7294	-0.0036	4.9027	-0.0063	0.1161	0.0012	0.1111
1089	9.85	10.2	3.1782	1.7273	-0.0033	4.9021	0.0035	0.0977	0.0017	0.1029
1090	9.97	10.2	3.178	1.7283	-0.0032	4.903	0.0111	0.0828	-0.0002	0.0936
1091	10.3	10.2	3.1783	1.7281	-0.0033	4.903	0.0035	0.08	-0.0024	0.0811
1092	10.1	10.2	3.1777	1.7286	-0.0033	4.903	-0.0105	0.0758	0.0002	0.0655
1093	10.2	10.2	3.1762	1.7297	-0.0033	4.9027	-0.0032	0.0824	0.0015	0.0807
1094	10.8	10.2	3.1746	1.7295	-0.0032	4.9008	0.0215	0.076	0.0012	0.0986
1095	10.7	10.2	3.1731	1.7307	-0.0032	4.9006	0.0359	0.0663	0.0026	0.1048
1096	10.5	10.2	3.1709	1.733	-0.0031	4.9008	0.0625	0.0443	0.003	0.1098
1097	10.9	10.2	3.1703	1.7332	-0.0031	4.9004	0.0861	0.0076	0.0063	0.1
1098	11.4	10.3	3.1691	1.7342	-0.0032	4.9001	0.0809	0.0153	0.0106	0.1068
1099	10.9	10.3	3.1683	1.735	-0.0036	4.8997	0.0844	0.0211	0.0138	0.1193
1100	10.5	10.2	3.1679	1.7349	-0.0034	4.8993	0.0813	0.0333	0.0115	0.1261
1101	10.1	10.2	3.1689	1.7333	-0.0037	4.8985	0.0705	0.0551	0.007	0.1327

1102	9.5	10.2	3.1707	1.7317	-0.0037	4.8987	0.0519	0.07	0.0079	0.1298
1103	9.54	10.2	3.1729	1.7299	-0.0036	4.8992	0.0711	0.0596	0.01	0.1406
1104	9.75	10.2	3.173	1.7293	-0.0037	4.8987	0.0616	0.0721	0.0083	0.142
1105	9.75	10.2	3.1726	1.7294	-0.0039	4.8982	0.0828	0.0531	0.007	0.1429
1106	10	10.1	3.1719	1.7292	-0.0038	4.8973	0.0964	0.0398	0.0059	0.1421
1107	9.85	10.1	3.1707	1.7296	-0.0038	4.8965	0.059	0.0672	0.0027	0.129
1108	9.87	9.99	3.1717	1.7283	-0.004	4.8959	0.0111	0.1083	0.0005	0.1199
1109	9.91	9.92	3.1713	1.7282	-0.0039	4.8956	-0.0242	0.1298	-0.0007	0.1049
1110	9.59	9.89	3.1692	1.7291	-0.0034	4.8948	-0.0119	0.1095	0.0014	0.099
1111	9.98	9.85	3.1672	1.7323	-0.0031	4.8964	-0.0295	0.11	0.0027	0.0832
1112	9.96	9.83	3.1687	1.7318	-0.0032	4.8973	-0.0884	0.1521	0.0053	0.0689
1113	10.8	9.84	3.1671	1.7344	-0.0033	4.8982	-0.1011	0.1692	0.0081	0.0762
1114	10.2	9.88	3.1714	1.7307	-0.0031	4.899	-0.1046	0.177	0.007	0.0794
1115	9.97	9.92	3.1722	1.7303	-0.0032	4.8992	-0.1365	0.1957	0.0059	0.0652
1116	10.2	9.94	3.1731	1.7303	-0.0033	4.9001	-0.1236	0.1764	0.0022	0.055
1117	9.53	10	3.1727	1.7317	-0.0034	4.901	-0.0973	0.1391	0.0006	0.0425
1118	9.54	10	3.1741	1.7311	-0.0035	4.9017	-0.0768	0.1189	-0.0009	0.0412
1119	9.8	10.1	3.1749	1.7301	-0.0037	4.9014	-0.0591	0.0958	-0.0039	0.0329
1120	9.31	10.2	3.1736	1.7306	-0.0037	4.9005	-0.0495	0.0862	-0.0033	0.0334
1121	9.16	10.3	3.1735	1.7306	-0.0035	4.9006	-0.0415	0.0855	-0.0019	0.0422
1122	9.7	10.3	3.1758	1.7293	-0.0034	4.9017	-0.033	0.0771	0.0006	0.0447
1123	10.6	10.3	3.1759	1.7282	-0.0034	4.9006	-0.0062	0.0449	-0.0026	0.0361
1124	10.5	10.3	3.1754	1.7281	-0.0036	4.8999	-0.0035	0.058	-0.003	0.0515
1125	10.4	10.3	3.1765	1.7265	-0.0038	4.8992	0.0173	0.0217	0.001	0.04
1126	11	10.4	3.1769	1.7265	-0.0039	4.8995	0.0275	0.0347	0.0033	0.0655
1127	10.8	10.4	3.1772	1.7267	-0.004	4.8999	0.0355	0.0458	0.0022	0.0835
1128	10.7	10.4	3.1763	1.7275	-0.0039	4.8999	0.0741	0.015	-0.0019	0.0872
1129	11.1	10.5	3.1778	1.7258	-0.004	4.8997	0.0859	0.0067	-0.0037	0.089
1130	11.5	10.5	3.1792	1.7245	-0.004	4.8997	0.0998	0.0005	-0.0026	0.0977
1131	11.2	10.6	3.1781	1.7251	-0.0039	4.8993	0.1091	-0.0035	-0.0038	0.1018
1132	10.1	10.6	3.1772	1.7255	-0.0038	4.8989	0.1054	-0.0001	-0.0043	0.1011
1133	10.6	10.6	3.1776	1.7252	-0.0039	4.8989	0.063	0.0315	-0.0018	0.0928
1134	10.5	10.6	3.1769	1.7255	-0.004	4.8984	0.0648	0.0223	0.0022	0.0893
1135	10.8	10.6	3.1805	1.7222	-0.0041	4.8986	0.0485	0.0368	0.0003	0.0855
1136	10.4	10.5	3.1784	1.7242	-0.004	4.8986	0.0451	0.0445	0.0019	0.0915
1137	10.1	10.4	3.1788	1.7237	-0.004	4.8985	-0.0251	0.107	0.003	0.0848
1138	10.3	10.4	3.1787	1.7235	-0.004	4.8981	0.0002	0.0756	0.002	0.0778

1139	10.3	10.4	3.1769	1.7248	-0.0039	4.8978	-0.0069	0.0814	0.0027	0.0773
1140	10.2	10.2	3.1774	1.7247	-0.0038	4.8983	0.0135	0.063	0.0065	0.083
1141	10.5	10.2	3.1767	1.7256	-0.0037	4.8986	0.0125	0.0725	0.0086	0.0936
1142	10.4	10.1	3.1764	1.7253	-0.0037	4.898	0.0249	0.0641	0.012	0.101
1143	9.91	10	3.1756	1.7256	-0.0035	4.8976	0.0143	0.0742	0.0155	0.104
1144	9.97	10	3.1742	1.7269	-0.0035	4.8976	0.0163	0.0722	0.0148	0.1033
1145	9.66	9.94	3.1721	1.7289	-0.0035	4.8974	0.0088	0.0682	0.0114	0.0883
1146	9.64	9.92	3.1712	1.7302	-0.0037	4.8977	0.0093	0.0751	0.0078	0.0921
1147	10.1	9.94	3.1717	1.7293	-0.0041	4.897	0.0003	0.0855	0.007	0.0927
1148	10.6	9.93	3.1713	1.7291	-0.0044	4.896	-0.0257	0.1135	0.0061	0.0939
1149	9.27	9.92	3.1718	1.7283	-0.0042	4.8959	-0.0424	0.1285	0.0021	0.0882
1150	9.71	9.93	3.1721	1.7276	-0.0039	4.8957	-0.0455	0.1182	-0.0039	0.0688
1151	9.15	9.92	3.1747	1.7252	-0.004	4.896	-0.0591	0.1231	-0.0024	0.0616
1152	9.33	9.89	3.1732	1.7256	-0.0042	4.8946	-0.0754	0.1263	-0.0044	0.0465
1153	9.77	9.91	3.1745	1.7244	-0.0042	4.8946	-0.0442	0.1004	-0.0009	0.0554
1154	9.54	9.92	3.1725	1.726	-0.0041	4.8944	-0.0153	0.0752	0.0035	0.0634
1155	9.98	9.96	3.1707	1.7278	-0.0041	4.8945	-0.0112	0.0658	0.0065	0.0611
1156	10.6	9.97	3.1733	1.7261	-0.0038	4.8956	-0.0189	0.0714	0.0059	0.0585
1157	10	9.94	3.1768	1.723	-0.0035	4.8964	-0.0286	0.0788	0.0044	0.0545
1158	10	9.88	3.179	1.7211	-0.0033	4.8967	-0.034	0.0845	0.0026	0.053
1159	10.5	9.89	3.1774	1.723	-0.0035	4.8969	-0.0132	0.0635	-0.0027	0.0475
1160	10.2	9.88	3.178	1.7232	-0.0039	4.8973	-0.0389	0.083	-0.0014	0.0426
1161	9.77	9.9	3.1792	1.7216	-0.0039	4.8969	-0.0434	0.0811	0.0026	0.0403
1162	10.3	9.94	3.1795	1.7217	-0.0039	4.8972	-0.0558	0.0955	0.008	0.0477
1163	10.3	9.92	3.179	1.7213	-0.0037	4.8966	-0.051	0.0965	0.0081	0.0537
1164	10.4	9.94	3.1823	1.7184	-0.0037	4.897	-0.0741	0.1292	0.0093	0.0643
1165	9.89	9.91	3.1823	1.7191	-0.0035	4.8979	-0.0044	0.0706	0.0105	0.0767
1166	9.47	9.87	3.1801	1.7224	-0.0035	4.899	-0.0072	0.0739	0.0087	0.0754
1167	9.47	9.89	3.1792	1.7225	-0.0033	4.8984	-0.0096	0.0816	0.0076	0.0796
1168	9.35	9.88	3.1784	1.7232	-0.0031	4.8985	-0.0044	0.0827	0.007	0.0854
1169	9.53	9.83	3.1779	1.7233	-0.0033	4.8978	0.013	0.0702	0.0064	0.0896
1170	9.65	9.79	3.1778	1.7226	-0.0034	4.897	0.0143	0.074	0.0087	0.097
1171	9.99	9.78	3.1766	1.7236	-0.0035	4.8967	0.0139	0.0803	0.0085	0.1027
1172	9.54	9.74	3.1757	1.7241	-0.0032	4.8966	0.0167	0.0982	0.0105	0.1255
1173	9.83	9.71	3.1768	1.7232	-0.0033	4.8967	0.0338	0.0856	0.0119	0.1312
1174	9.41	9.69	3.1758	1.7263	-0.0036	4.8985	0.0619	0.048	0.012	0.1219
1175	9.92	9.69	3.1748	1.7257	-0.0038	4.8967	0.0637	0.0426	0.0057	0.1119

1176	10.4	9.71	3.1741	1.7255	-0.0034	4.8962	0.0021	0.0945	0.0007	0.0973
1177	9.93	9.72	3.1713	1.7285	-0.0031	4.8966	-0.0154	0.1088	-0.0013	0.0922
1178	9.4	9.72	3.1699	1.7298	-0.003	4.8967	-0.0598	0.1551	-0.0017	0.0937
1179	9.51	9.76	3.1684	1.7308	-0.0031	4.8961	-0.0687	0.1596	-0.0014	0.0895
1180	9.56	9.79	3.1676	1.7312	-0.0032	4.8956	-0.0516	0.1425	-0.0028	0.0881
1181	9.53	9.8	3.1678	1.7309	-0.0032	4.8955	-0.0414	0.1295	-0.005	0.0831
1182	9.8	9.85	3.1708	1.7284	-0.0032	4.896	-0.0548	0.1317	-0.0059	0.071
1183	10	9.89	3.1712	1.7285	-0.0034	4.8964	-0.0661	0.1307	-0.0033	0.0613
1184	9.93	9.96	3.1741	1.7262	-0.0035	4.8968	-0.0212	0.0696	0.0021	0.0505
1185	9.7	10	3.1751	1.7248	-0.0036	4.8963	-0.012	0.0595	0.0055	0.053
1186	9.67	10	3.1787	1.7207	-0.0038	4.8956	0.0187	0.0429	0.0051	0.0667
1187	9.36	10.1	3.1781	1.7214	-0.0037	4.8959	-0.003	0.083	0.0041	0.0841
1188	10.3	10.2	3.1775	1.7213	-0.0038	4.895	-0.0063	0.0909	0.0021	0.0867
1189	10.2	10.2	3.1768	1.721	-0.004	4.8938	-0.023	0.1031	0.0046	0.0847
1190	10.2	10.2	3.1767	1.7211	-0.0041	4.8937	-0.0297	0.1082	0.0095	0.0881
1191	10.6	10.3	3.1758	1.7217	-0.0045	4.8929	-0.0055	0.0981	0.0105	0.1031
1192	10.7	10.3	3.1762	1.7212	-0.0049	4.8926	0.0025	0.0975	0.0083	0.1083
1193	10.7	10.3	3.1746	1.7225	-0.0047	4.8924	-0.0026	0.0985	0.0084	0.1043
1194	11.2	10.3	3.1737	1.7227	-0.0044	4.892	-0.0111	0.1028	0.0111	0.1027
1195	10.8	10.3	3.1722	1.7232	-0.004	4.8914	-0.0334	0.1244	0.012	0.1031
1196	10.7	10.3	3.1709	1.7245	-0.0038	4.8915	-0.0318	0.1227	0.0107	0.1015
1197	10.7	10.4	3.1729	1.7218	-0.0037	4.891	-0.0405	0.1404	0.0069	0.1068
1198	10.9	10.4	3.1733	1.7214	-0.0034	4.8912	-0.0365	0.1344	0.0034	0.1013
1199	9.84	10.3	3.1728	1.7232	-0.0032	4.8929	-0.047	0.141	0.0011	0.0952
1200	10.1	10.3	3.1738	1.7226	-0.0032	4.8932	-0.0205	0.1162	0.0031	0.0988
1201	10.3	10.3	3.1764	1.7207	-0.0033	4.8939	-0.0111	0.1043	0.0049	0.0981
1202	10.4	10.3	3.1752	1.7216	-0.0036	4.8932	0.0338	0.0565	0.0026	0.0929
1203	10.2	10.3	3.1744	1.7224	-0.0039	4.8929	0.0158	0.0634	0.0007	0.08
1204	9.68	10.3	3.1741	1.7227	-0.0043	4.8925	0.042	0.043	0.0007	0.0856
1205	9.55	10.3	3.1745	1.7222	-0.0044	4.8923	0.0324	0.0516	0.0013	0.0853
1206	9.95	10.2	3.1748	1.7213	-0.0043	4.8918	0.0126	0.0749	0.0014	0.0889
1207	10.2	10.2	3.1741	1.7211	-0.0041	4.8912	0.0387	0.0571	0.0063	0.1021
1208	9.79	10.2	3.173	1.7219	-0.0038	4.8912	0.0738	0.0261	0.0115	0.1113
1209	10.1	10.1	3.1752	1.7199	-0.0038	4.8913	0.0817	0.0219	0.0144	0.118
1210	10.1	10.1	3.1735	1.721	-0.0037	4.8908	0.0484	0.0553	0.0141	0.1179
1211	10.2	10.1	3.1728	1.7227	-0.0039	4.8917	0.0653	0.0422	0.0139	0.1215
1212	10.4	10.1	3.1738	1.7221	-0.004	4.8919	0.0805	0.0245	0.0131	0.1181

1213	10.8	10.1	3.1745	1.7214	-0.0042	4.8917	0.0927	0.0239	0.0141	0.1308
1214	10.8	10.2	3.1718	1.7237	-0.0042	4.8913	0.0935	0.0147	0.0164	0.1247
1215	10.4	10.2	3.1729	1.7229	-0.0041	4.8917	0.138	-0.0277	0.0113	0.1216
1216	10.3	10.3	3.1741	1.7221	-0.0041	4.8921	0.123	-0.0061	0.0072	0.1241
1217	10	10.3	3.1731	1.7234	-0.0041	4.8925	0.0661	0.0616	0.005	0.1328
1218	9.42	10.4	3.1728	1.7241	-0.0042	4.8927	0.0459	0.0727	0.0059	0.1245
1219	9.93	10.4	3.1735	1.7227	-0.0045	4.8917	0.0284	0.0906	0.0094	0.1285
1220	10.4	10.5	3.1722	1.7226	-0.0046	4.8903	0.0077	0.0962	0.0095	0.1134
1221	10.1	10.5	3.1719	1.7208	-0.0046	4.8881	0.0007	0.0947	0.0099	0.1054
1222	10.6	10.5	3.1724	1.7207	-0.0046	4.8885	-0.0169	0.1158	0.013	0.1119
1223	10.3	10.4	3.1697	1.7233	-0.0046	4.8885	0.0058	0.0867	0.0173	0.1099
1224	10.3	10.4	3.169	1.7238	-0.0042	4.8887	0.0391	0.0513	0.0179	0.1083
1225	10.7	10.4	3.1762	1.7171	-0.0039	4.8895	0.0345	0.0808	0.0131	0.1284
1226	11.3	10.4	3.1784	1.7157	-0.0038	4.8903	0.0375	0.0625	0.0113	0.1113
1227	10.9	10.4	3.1832	1.7112	-0.0038	4.8906	0.0351	0.0472	0.0145	0.0968
1228	11.1	10.4	3.1832	1.7116	-0.0038	4.8909	0.0071	0.0803	0.0167	0.1041
1229	10.6	10.4	3.183	1.7116	-0.0037	4.8909	0.0384	0.0569	0.0198	0.1151
1230	10.2	10.4	3.1833	1.7116	-0.0035	4.8914	0.0263	0.0648	0.0198	0.111
1231	10.2	10.4	3.1836	1.712	-0.0033	4.8922	0.0264	0.0625	0.0203	0.1092
1232	10.4	10.3	3.1838	1.7124	-0.0034	4.8928	0.0329	0.0534	0.0223	0.1086
1233	9.82	10.3	3.1797	1.7182	-0.0041	4.8939	0.0782	0.0271	0.0235	0.1288
1234	10.3	10.3	3.1781	1.7195	-0.0045	4.8931	0.097	0.0227	0.0215	0.1412
1235	10.1	10.2	3.1786	1.7179	-0.0046	4.892	0.1325	-0.0031	0.0188	0.1483
1236	9.92	10.1	3.1787	1.7159	-0.0044	4.8902	0.1415	-0.0088	0.0171	0.1498
1237	9.44	10.1	3.1795	1.7146	-0.0042	4.8898	0.1737	-0.0479	0.0175	0.1433
1238	11	9.97	3.181	1.7132	-0.0045	4.8897	0.1543	-0.0243	0.0189	0.1489
1239	10.3	9.9	3.1799	1.714	-0.0049	4.8889	0.1472	-0.0037	0.0176	0.1612
1240	9.53	9.89	3.1779	1.7149	-0.0048	4.888	0.0834	0.0603	0.0119	0.1556
1241	9.56	9.91	3.1764	1.7158	-0.0045	4.8877	0.0439	0.0652	0.0057	0.1147
1242	9.72	9.9	3.1766	1.7154	-0.0045	4.8875	0.0065	0.0926	-0.0028	0.0963
1243	10	9.89	3.1767	1.7153	-0.0047	4.8874	-0.0116	0.0939	-0.0087	0.0736
1244	9.81	9.87	3.1775	1.7145	-0.0047	4.8873	-0.0297	0.1019	-0.013	0.0593
1245	9.63	9.86	3.1753	1.7166	-0.0046	4.8873	-0.0449	0.0958	-0.012	0.0389
1246	9.47	9.84	3.1752	1.7162	-0.0044	4.887	-0.0575	0.0911	-0.0072	0.0263
1247	9.35	9.87	3.1754	1.7159	-0.0044	4.8869	-0.0759	0.1069	-0.0067	0.0243
1248	9.38	9.84	3.176	1.715	-0.0045	4.8865	-0.0402	0.067	-0.0061	0.0207
1249	9.94	9.83	3.1738	1.7167	-0.0045	4.8861	-0.0306	0.0536	-0.0023	0.0207

1250	10.5	9.83	3.1732	1.7171	-0.0044	4.8859	-0.0825	0.1106	0.0016	0.0297
1251	10.2	9.83	3.1713	1.7196	-0.0042	4.8867	-0.0597	0.0737	0.0037	0.0177
1252	9.63	9.84	3.1716	1.7193	-0.0043	4.8866	-0.0147	0.0374	0.0034	0.0261
1253	10	9.87	3.1703	1.7201	-0.0043	4.886	-0.0325	0.0458	0.0011	0.0144
1254	9.91	9.89	3.1693	1.7209	-0.0042	4.8859	-0.0476	0.0645	-0.0046	0.0124
1255	9.63	9.92	3.1695	1.7203	-0.0042	4.8856	-0.0623	0.0837	-0.0094	0.012
1256	9.86	9.98	3.1694	1.7204	-0.0044	4.8854	-0.083	0.1018	-0.0102	0.0086
1257	10.4	10.1	3.1694	1.7204	-0.0046	4.8852	-0.1097	0.1186	-0.0072	0.0017
1258	10.1	10.1	3.1708	1.7189	-0.0048	4.8849	-0.1053	0.1153	-0.005	0.005
1259	9.64	10.2	3.1726	1.7175	-0.005	4.8851	-0.116	0.1315	-0.0046	0.0108
1260	9.53	10.2	3.1714	1.719	-0.0053	4.8851	-0.0957	0.115	-0.0033	0.016
1261	9.94	10.2	3.1711	1.7192	-0.0052	4.8851	-0.0962	0.113	0.0001	0.0169
1262	10.5	10.3	3.1702	1.7193	-0.0053	4.8841	-0.0793	0.109	-0.0017	0.028
1263	10.2	10.4	3.1696	1.7198	-0.0053	4.8841	-0.0638	0.1	-0.0046	0.0316
1264	10.2	10.4	3.1685	1.7212	-0.0048	4.8849	-0.07	0.1078	-0.007	0.0308
1265	10.5	10.4	3.17	1.7197	-0.0042	4.8855	-0.0886	0.1227	-0.0032	0.0309
1266	11.1	10.5	3.1735	1.7162	-0.004	4.8857	-0.1117	0.154	-0.003	0.0394
1267	10.8	10.5	3.1746	1.7152	-0.0039	4.8859	-0.1469	0.1983	-0.005	0.0464
1268	10.9	10.6	3.1755	1.7142	-0.0041	4.8856	-0.1776	0.2284	-0.0039	0.0469
1269	10.8	10.7	3.1771	1.7137	-0.0043	4.8865	-0.1573	0.217	-0.0036	0.0561
1270	11	10.8	3.1777	1.7132	-0.0044	4.8865	-0.1566	0.2057	-0.0073	0.0418
1271	10.8	10.8	3.1783	1.712	-0.0048	4.8855	-0.1495	0.183	-0.0071	0.0263
1272	10.8	10.8	3.1751	1.7155	-0.005	4.8856	-0.1579	0.1738	-0.0068	0.0091
1273	10.5	10.9	3.1729	1.7181	-0.0051	4.8859	-0.1352	0.1651	-0.0075	0.0224
1274	10.6	10.9	3.1723	1.7183	-0.0049	4.8857	-0.1579	0.1977	-0.008	0.0318
1275	10.9	10.9	3.171	1.7194	-0.0049	4.8856	-0.1416	0.1837	-0.0039	0.0382
1276	10.9	10.9	3.1706	1.7208	-0.0049	4.8865	-0.0423	0.09	0.0006	0.0483
1277	11.2	10.8	3.1706	1.7205	-0.0048	4.8862	-0.0204	0.0798	0.0028	0.0622
1278	11.5	10.8	3.1661	1.7241	-0.005	4.8852	0.0444	0.0268	0.0004	0.0715
1279	11.4	10.8	3.1658	1.7244	-0.0051	4.885	0.0831	-0.0131	-0.0019	0.068
1280	10.7	10.7	3.1649	1.725	-0.0052	4.8847	0.0944	-0.0109	-0.0012	0.0823
1281	11.2	10.7	3.1645	1.7256	-0.0054	4.8846	0.0431	0.0371	-0.0001	0.0801
1282	10.9	10.6	3.163	1.7257	-0.0055	4.8831	0.0178	0.0672	0.0011	0.0861
1283	10.7	10.6	3.1615	1.7263	-0.0055	4.8823	0.0434	0.0536	0.0032	0.1002
1284	10.6	10.6	3.1609	1.7265	-0.0054	4.882	0.0384	0.0743	-0.0014	0.1113
1285	10	10.5	3.1609	1.7257	-0.0053	4.8813	0.0551	0.0547	-0.005	0.1048
1286	10.1	10.5	3.1613	1.7255	-0.0055	4.8812	0.0835	0.0153	-0.005	0.0938

1287	10.3	10.4	3.1627	1.7239	-0.0056	4.881	0.0721	0.0064	-0.0026	0.0759
1288	10.5	10.3	3.1628	1.7217	-0.0056	4.8789	0.0778	-0.0042	-0.0007	0.073
1289	10.5	10.2	3.1685	1.7149	-0.0052	4.8782	0.0992	-0.0196	-0.005	0.0746
1290	10	10.2	3.1723	1.7146	-0.0047	4.8822	0.0675	0.0129	-0.01	0.0704
1291	9.76	10.1	3.1751	1.7124	-0.0043	4.8833	0.05	0.0152	-0.0083	0.0569
1292	9.48	10	3.1774	1.7118	-0.004	4.8852	0.0501	0.0127	-0.0044	0.0584
1293	9.92	9.92	3.1776	1.7123	-0.0034	4.8864	0.0708	-0.0062	-0.0059	0.0587
1294	9.93	9.89	3.1782	1.7131	-0.0032	4.8881	0.0776	-0.0166	-0.0074	0.0535
1295	10.1	9.88	3.178	1.7141	-0.0033	4.8888	0.131	-0.0666	-0.0072	0.0573
1296	9.85	9.9	3.1784	1.7138	-0.0031	4.8891	0.1032	-0.0458	-0.0067	0.0508
1297	9.69	9.9	3.1769	1.7151	-0.0031	4.8889	0.0291	0.0169	-0.0044	0.0417
1298	9.97	9.89	3.1764	1.716	-0.0032	4.8892	-0.0022	0.0447	-0.0024	0.0401
1299	9.97	9.87	3.1811	1.7122	-0.0034	4.8899	0.0069	0.0354	-0.0039	0.0384
1300	9.79	9.89	3.1798	1.7152	-0.0036	4.8914	-0.0431	0.0866	-0.004	0.0395
1301	8.96	9.96	3.1779	1.717	-0.0036	4.8913	-0.0828	0.1282	-0.0041	0.0412
1302	9.02	10	3.1784	1.717	-0.0037	4.8917	-0.1115	0.1649	-0.0017	0.0517
1303	9.99	10.1	3.1792	1.7159	-0.0035	4.8916	-0.0787	0.1293	-0.0004	0.0502
1304	9.88	10.1	3.1804	1.7144	-0.0034	4.8914	-0.0802	0.1199	-0.0017	0.0379
1305	10.5	10.2	3.1828	1.7121	-0.0034	4.8915	-0.0743	0.1167	-0.0031	0.0393
1306	10.3	10.3	3.1858	1.7094	-0.0036	4.8917	-0.1027	0.1534	-0.0008	0.0499
1307	10.3	10.4	3.1846	1.7096	-0.0036	4.8907	-0.1237	0.1639	-0.0001	0.0402
1308	10.2	10.4	3.1846	1.7088	-0.0033	4.8901	-0.1103	0.1501	-0.0026	0.0373
1309	10.4	10.4	3.1848	1.7084	-0.0035	4.8897	-0.0571	0.1072	-0.0062	0.0439
1310	11	10.5	3.1831	1.7097	-0.0037	4.8891	-0.0413	0.1009	-0.0092	0.0504
1311	11.1	10.5	3.1807	1.7118	-0.0037	4.8888	-0.0484	0.1046	-0.0112	0.045
1312	11.1	10.6	3.1802	1.7121	-0.0036	4.8888	-0.0713	0.1165	-0.0091	0.0361
1313	10.7	10.7	3.1815	1.7107	-0.0035	4.8887	-0.0824	0.1124	-0.009	0.0209
1314	11	10.7	3.1807	1.7114	-0.0038	4.8882	-0.0754	0.1007	-0.0107	0.0145
1315	11.1	10.7	3.1841	1.7075	-0.0038	4.8878	-0.0835	0.1169	-0.0045	0.0289
1316	11.4	10.7	3.1888	1.7023	-0.0036	4.8875	-0.085	0.1231	0.001	0.039
1317	11	10.8	3.1909	1.7006	-0.0037	4.8878	-0.0872	0.1416	0.0025	0.0569
1318	10.4	10.7	3.1885	1.7024	-0.0038	4.8871	-0.0829	0.1443	0.0058	0.0672
1319	10.5	10.7	3.1892	1.7022	-0.0038	4.8875	-0.011	0.0685	0.0041	0.0616
1320	10.4	10.7	3.1872	1.7043	-0.0038	4.8876	0.0417	0.0448	0.0019	0.0884
1321	10.9	10.7	3.1877	1.7034	-0.0039	4.8871	0.0543	0.0332	-0.0002	0.0872
1322	10.8	10.6	3.186	1.7042	-0.0039	4.8863	0.0306	0.0511	-0.0038	0.0779
1323	10.3	10.6	3.1855	1.7036	-0.0038	4.8853	-0.0193	0.1013	-0.0063	0.0757

1324	10.4	10.6	3.1832	1.7054	-0.0038	4.8848	-0.0695	0.1533	-0.0103	0.0735
1325	10.9	10.5	3.1805	1.7081	-0.0039	4.8846	-0.1077	0.1766	-0.0112	0.0577
1326	10.5	10.5	3.1805	1.7077	-0.0041	4.8841	-0.1355	0.1826	-0.012	0.0351
1327	10	10.5	3.1788	1.7085	-0.0038	4.8834	-0.1261	0.1714	-0.0142	0.0312
1328	9.97	10.5	3.1749	1.7129	-0.0036	4.8841	-0.1268	0.1657	-0.0142	0.0247
1329	10.7	10.5	3.1736	1.7127	-0.0036	4.8827	-0.1795	0.2059	-0.0169	0.0095
1330	10.3	10.5	3.179	1.7079	-0.0035	4.8834	-0.1774	0.1927	-0.0175	-0.0022
1331	10.9	10.5	3.1818	1.7052	-0.0035	4.8836	-0.1847	0.1997	-0.0183	-0.0033
1332	10.2	10.4	3.1794	1.7071	-0.0037	4.8827	-0.1793	0.204	-0.0203	0.0045
1333	10.3	10.4	3.1759	1.7108	-0.0039	4.8827	-0.2086	0.2151	-0.0225	-0.016
1334	10.5	10.4	3.1726	1.7141	-0.004	4.8826	-0.2256	0.2316	-0.0217	-0.0157
1335	10.7	10.4	3.1703	1.7164	-0.0041	4.8826	-0.2075	0.2144	-0.0185	-0.0116
1336	10.8	10.4	3.1715	1.7153	-0.0042	4.8826	-0.2059	0.2082	-0.0167	-0.0144
1337	10.3	10.5	3.1717	1.715	-0.0041	4.8825	-0.1758	0.1886	-0.0177	-0.0048
1338	10.3	10.5	3.1711	1.7151	-0.004	4.8822	-0.1358	0.1512	-0.017	-0.0016
1339	10.6	10.5	3.1731	1.7127	-0.0039	4.8819	-0.1394	0.1347	-0.0186	-0.0234
1340	10.2	10.5	3.1729	1.7134	-0.004	4.8823	-0.0891	0.0761	-0.0165	-0.0295
1341	9.85	10.5	3.1714	1.7146	-0.0041	4.8819	-0.0292	0.0551	-0.011	0.0149
1342	10.6	10.5	3.1695	1.716	-0.0039	4.8817	0.0204	0.0119	-0.0059	0.0265
1343	10.5	10.5	3.1689	1.717	-0.0039	4.882	0.0571	-0.0034	-0.0036	0.0501
1344	10.6	10.5	3.1644	1.7211	-0.004	4.8815	0.0504	0.0137	0.0025	0.0666
1345	11	10.5	3.1649	1.7212	-0.0039	4.8822	0.0608	0.0158	0.0082	0.0848
1346	10.7	10.5	3.1723	1.7145	-0.004	4.8828	0.1053	-0.0073	0.0115	0.1095
1347	10.5	10.5	3.1756	1.7114	-0.0042	4.8828	0.1348	-0.0113	0.0127	0.1362
1348	10.7	10.5	3.1753	1.7114	-0.0041	4.8826	0.1498	-0.0274	0.0134	0.1357
1349	10.6	10.5	3.1782	1.7081	-0.0041	4.8821	0.1245	0.0062	0.0097	0.1404
1350	10.4	10.5	3.1814	1.7043	-0.004	4.8818	0.1095	0.0298	0.0064	0.1458
1351	10.4	10.5	3.1824	1.7031	-0.004	4.8815	0.0568	0.0973	0.0048	0.1589
1352	10.3	10.5	3.1795	1.7063	-0.0043	4.8816	0.0109	0.1415	0.0055	0.1578
1353	10.3	10.5	3.1783	1.7081	-0.0041	4.8823	0.0074	0.1529	0.0039	0.1643
1354	10.4	10.5	3.1767	1.7092	-0.0039	4.882	0.0195	0.1346	0.0057	0.1598
1355	11.5	10.4	3.1798	1.7049	-0.0041	4.8806	0.0205	0.1242	0.007	0.1517
1356	10.9	10.4	3.1818	1.704	-0.0044	4.8814	0.0178	0.1235	0.006	0.1473
1357	10	10.4	3.1805	1.7054	-0.0044	4.8815	0.0469	0.089	0.0044	0.1404
1358	10.1	10.3	3.1765	1.7082	-0.0042	4.8806	0.0391	0.0922	0.0054	0.1368
1359	10.2	10.3	3.1767	1.7074	-0.004	4.88	0.0856	0.0401	0.008	0.1337
1360	10.2	10.3	3.1763	1.7085	-0.0041	4.8807	0.1374	0.0004	0.0084	0.1461

1361	9.93	10.3	3.1782	1.7075	-0.0043	4.8814	0.0703	0.0675	0.005	0.1427
1362	10	10.3	3.1784	1.708	-0.0044	4.8821	0.0248	0.1114	0.0054	0.1416
1363	10.5	10.3	3.1772	1.7098	-0.0043	4.8827	-0.0284	0.1612	0.0055	0.1384
1364	10.6	10.3	3.1768	1.7095	-0.0043	4.882	-0.0161	0.1454	0.0048	0.134
1365	9.96	10.2	3.1785	1.7074	-0.0043	4.8816	-0.0298	0.1518	0.0029	0.125
1366	10.3	10.2	3.1822	1.702	-0.0042	4.88	0.0296	0.0836	0.003	0.1161
1367	9.71	10.1	3.1829	1.7008	-0.0045	4.8792	0.1071	0.0005	0.004	0.1116
1368	10.2	10.1	3.1766	1.7073	-0.0045	4.8794	0.1351	-0.0257	0.0029	0.1122
1369	9.83	10.1	3.1729	1.7092	-0.0045	4.8777	0.1434	-0.034	-0.0002	0.1092
1370	10.9	10.1	3.1723	1.7098	-0.0044	4.8777	0.1909	-0.075	-0.0026	0.1132
1371	10	10.2	3.1752	1.7069	-0.0044	4.8777	0.17	-0.051	-0.0051	0.1139
1372	10.5	10.2	3.177	1.7053	-0.0043	4.878	0.1473	-0.0454	-0.006	0.0959
1373	10.2	10.2	3.1799	1.7028	-0.0041	4.8785	0.1325	-0.0401	-0.0045	0.0879
1374	9.99	10.2	3.1831	1.7006	-0.0038	4.8799	0.163	-0.0696	-0.003	0.0904
1375	9.79	10.2	3.1846	1.7012	-0.0037	4.882	0.1318	-0.0504	-0.0028	0.0785
1376	9.61	10.1	3.1832	1.7037	-0.0035	4.8834	0.1189	-0.0369	-0.0035	0.0786
1377	9.94	10.1	3.1832	1.7039	-0.0034	4.8838	0.144	-0.0691	-0.0045	0.0704
1378	10	10.1	3.184	1.7035	-0.0033	4.8842	0.1375	-0.076	-0.001	0.0605
1379	10.3	10.1	3.1835	1.7051	-0.0034	4.8853	0.0869	-0.018	0.0028	0.0717
1380	10.5	10.1	3.1834	1.705	-0.0034	4.885	0.0726	-0.011	0.0045	0.0662
1381	10.7	10.2	3.1824	1.7051	-0.0034	4.8842	0.1163	-0.0423	0.0067	0.0807
1382	10.3	10.2	3.1839	1.7041	-0.0033	4.8847	0.1462	-0.0772	0.0082	0.0771
1383	10.6	10.2	3.1841	1.7031	-0.0033	4.8838	0.1532	-0.0872	0.0062	0.0722
1384	10.1	10.2	3.1816	1.705	-0.0035	4.8831	0.1491	-0.0772	0.0031	0.075
1385	9.27	10.3	3.1815	1.7049	-0.0036	4.8828	0.1202	-0.0462	0.0016	0.0756
1386	9.56	10.4	3.1789	1.7066	-0.0038	4.8817	0.1249	-0.0309	0.0001	0.0941
1387	10.1	10.4	3.1763	1.7087	-0.0039	4.8811	0.206	-0.1165	0.0005	0.0899
1388	10.3	10.4	3.1767	1.7082	-0.0037	4.8812	0.2166	-0.1323	0.0028	0.0871
1389	10.3	10.4	3.1774	1.7073	-0.0035	4.8812	0.2086	-0.1325	0.0072	0.0833
1390	10.9	10.4	3.1752	1.7091	-0.0036	4.8807	0.2306	-0.1634	0.0063	0.0735
1391	10.9	10.4	3.1731	1.7112	-0.0037	4.8806	0.2116	-0.1323	0.0023	0.0815
1392	10.7	10.4	3.1717	1.7122	-0.0036	4.8802	0.1844	-0.1011	-0.0005	0.0827
1393	10.6	10.4	3.1725	1.711	-0.0037	4.8798	0.1583	-0.0852	0.002	0.075
1394	11.1	10.4	3.1721	1.7115	-0.004	4.8797	0.1563	-0.0812	0.0029	0.078
1395	10.8	10.5	3.1674	1.7148	-0.0044	4.8778	0.1158	-0.046	0.0037	0.0735
1396	10.1	10.6	3.165	1.7149	-0.0044	4.8754	0.1194	-0.0451	0.005	0.0793
1397	9.95	10.6	3.1619	1.7179	-0.0044	4.8754	0.1813	-0.1016	0.0048	0.0846

1398	10.5	10.6	3.1639	1.7154	-0.0041	4.8751	0.221	-0.1476	0.0018	0.0752
1399	10.8	10.6	3.1701	1.7092	-0.004	4.8753	0.2135	-0.1348	0.0029	0.0815
1400	10.6	10.5	3.1741	1.7055	-0.004	4.8755	0.2405	-0.1708	0.003	0.0727
1401	10.7	10.5	3.1768	1.7028	-0.0042	4.8755	0.2632	-0.1941	0.0023	0.0714
1402	10.8	10.5	3.1777	1.7017	-0.0041	4.8753	0.2664	-0.197	0.0025	0.0718
1403	10.6	10.4	3.1772	1.7025	-0.0041	4.8756	0.2439	-0.177	-0.0002	0.0668
1404	10.5	10.3	3.1783	1.702	-0.0041	4.8762	0.2657	-0.1976	0.0019	0.07
1405	11	10.3	3.181	1.6997	-0.004	4.8767	0.2577	-0.1963	0.0022	0.0636
1406	10.6	10.3	3.1811	1.7006	-0.004	4.8776	0.2866	-0.2393	0.0022	0.0494
1407	10.2	10.3	3.1807	1.7004	-0.0041	4.877	0.2999	-0.2431	0.001	0.0578
1408	9.97	10.3	3.1761	1.7048	-0.0041	4.8767	0.283	-0.2262	0.0008	0.0575
1409	9.81	10.2	3.1711	1.7083	-0.0043	4.8751	0.2031	-0.1575	0.0012	0.0468
1410	9.87	10.2	3.1761	1.7029	-0.0042	4.8748	0.1476	-0.1006	0.0031	0.05
1411	10.3	10.1	3.1783	1.7007	-0.0043	4.8747	0.1363	-0.0812	0.0064	0.0615
1412	9.72	10	3.183	1.696	-0.0041	4.8749	0.1907	-0.1285	0.0052	0.0674
1413	9.81	10	3.1831	1.6961	-0.004	4.8753	0.1947	-0.1193	0.0022	0.0776
1414	9.94	9.95	3.1836	1.6962	-0.0041	4.8757	0.1208	-0.0408	0.0023	0.0823
1415	9.94	9.87	3.1811	1.6991	-0.0041	4.8761	0.1234	-0.0481	-0.0005	0.0748
1416	9.98	9.83	3.1781	1.7022	-0.004	4.8763	0.1193	-0.0412	-0.0013	0.0768
1417	9.86	9.82	3.1774	1.7032	-0.004	4.8765	0.1384	-0.0882	-0.0011	0.0491
1418	9.85	9.84	3.1742	1.7058	-0.0038	4.8762	0.1114	-0.0727	-0.0032	0.0354
1419	9.75	9.87	3.1701	1.7097	-0.0035	4.8762	0.045	-0.0029	-0.0027	0.0394
1420	9.18	9.91	3.1702	1.7094	-0.0033	4.8762	-0.0077	0.0397	-0.0039	0.028
1421	9.87	9.91	3.1729	1.7079	-0.0033	4.8776	-0.025	0.0609	-0.0015	0.0344
1422	9.83	9.92	3.1727	1.7082	-0.0034	4.8775	0.0021	0.0383	-0.0012	0.0393
1423	9.61	9.94	3.1692	1.7105	-0.0035	4.8762	0.0278	0.0224	-0.0027	0.0475
1424	9.34	9.97	3.17	1.7105	-0.0035	4.877	0.0653	-0.0043	-0.0005	0.0605
1425	9.96	10	3.1686	1.7118	-0.0036	4.8768	0.1056	-0.0286	0.0012	0.0782
1426	10	10	3.1661	1.7146	-0.0036	4.877	0.1184	-0.0188	0.0003	0.0999
1427	10.3	10	3.165	1.7161	-0.0037	4.8774	0.0631	0.0345	0.0013	0.0988
1428	10.4	10.1	3.1662	1.7147	-0.0039	4.8769	0.026	0.0717	0.003	0.1008
1429	10.6	10.1	3.1663	1.7138	-0.0041	4.876	-0.0026	0.0778	0.0037	0.0789
1430	10.4	10.2	3.1674	1.7121	-0.0042	4.8753	-0.0156	0.1165	0.0033	0.1042
1431	9.92	10.2	3.1672	1.713	-0.0043	4.8759	0.0077	0.102	0.0035	0.1132
1432	10.3	10.2	3.1641	1.7158	-0.0044	4.8755	0.0057	0.0962	0.0023	0.1042
1433	10.4	10.3	3.161	1.7185	-0.0042	4.8752	0.0175	0.0875	0.0059	0.111
1434	10.7	10.3	3.1606	1.7187	-0.0042	4.8751	0.0262	0.069	0.0096	0.1048

1435	10.3	10.4	3.1578	1.7195	-0.0041	4.8732	0.0269	0.0655	0.0082	0.1005
1436	10	10.4	3.1509	1.727	-0.0042	4.8737	0.049	0.0472	0.0061	0.1022
1437	10.4	10.4	3.15	1.7282	-0.0044	4.8738	0.0368	0.0554	0.0043	0.0965
1438	10.5	10.4	3.1502	1.7284	-0.0047	4.8739	0.0183	0.0691	0.003	0.0905
1439	10.4	10.4	3.1501	1.729	-0.0045	4.8745	0.0125	0.0742	0.0038	0.0905
1440	10.9	10.4	3.1518	1.7266	-0.0042	4.8742	-0.0173	0.1002	0.0047	0.0876
1441	10.3	10.4	3.153	1.7247	-0.004	4.8736	-0.072	0.1475	0.0023	0.0779
1442	10.4	10.4	3.1537	1.7245	-0.0041	4.8741	-0.1047	0.182	0.0003	0.0775
1443	10.5	10.4	3.1533	1.7251	-0.0042	4.8742	-0.137	0.2046	0.0022	0.0698
1444	10.3	10.4	3.1528	1.7257	-0.0044	4.8742	-0.095	0.1569	0.0043	0.0661
1445	10.2	10.4	3.153	1.7257	-0.0044	4.8743	-0.0646	0.1319	0.0023	0.0696
1446	10.4	10.4	3.1542	1.7247	-0.0045	4.8743	-0.0832	0.1409	-0.002	0.0556
1447	10.4	10.4	3.1535	1.7262	-0.0043	4.8753	-0.1003	0.1342	-0.0037	0.0302
1448	10.9	10.4	3.154	1.7249	-0.0044	4.8745	-0.1455	0.1794	-0.0029	0.0311
1449	10.4	10.3	3.1541	1.7251	-0.0044	4.8748	-0.138	0.1738	0.0006	0.0363
1450	10.3	10.3	3.1551	1.7237	-0.0042	4.8746	-0.0666	0.1081	0.002	0.0435
1451	9.97	10.3	3.1558	1.7228	-0.0043	4.8743	0.0009	0.0485	0.0023	0.0516
1452	10.5	10.3	3.1551	1.724	-0.0042	4.8749	0.0302	0.0217	0.0038	0.0557
1453	9.97	10.3	3.1517	1.7279	-0.0043	4.8753	0.0341	0.018	0.006	0.0582
1454	10.3	10.3	3.1509	1.7288	-0.0041	4.8756	0.0301	0.031	0.0073	0.0684
1455	10.6	10.4	3.1511	1.7289	-0.0043	4.8756	0.0293	0.0459	0.005	0.0802
1456	10.3	10.4	3.1518	1.7283	-0.0045	4.8756	0.054	0.0303	0.0047	0.089
1457	9.81	10.4	3.1522	1.728	-0.0044	4.8757	0.0447	0.0505	0.0043	0.0994
1458	9.86	10.4	3.1562	1.7239	-0.0043	4.8759	0.024	0.0658	0.0048	0.0946
1459	9.93	10.4	3.1619	1.7174	-0.0043	4.875	-0.0419	0.1201	0.004	0.0822
1460	10.4	10.5	3.1627	1.7166	-0.0048	4.8745	-0.1056	0.1773	0.0021	0.0738
1461	10.6	10.5	3.1592	1.7204	-0.0048	4.8747	-0.033	0.1081	0.0016	0.0767
1462	10.5	10.5	3.159	1.7199	-0.0046	4.8743	0.0155	0.0573	-0.0013	0.0715
1463	10.9	10.5	3.1651	1.7139	-0.0045	4.8744	0.0413	0.0185	-0.0001	0.0597
1464	11.2	10.4	3.1645	1.7143	-0.0043	4.8745	0.0085	0.0449	0.0012	0.0547
1465	10.5	10.4	3.1665	1.7116	-0.0042	4.8739	0.0157	0.0273	-0.0018	0.0412
1466	10.7	10.4	3.1683	1.7108	-0.0041	4.8751	0.0042	0.0485	-0.0013	0.0514
1467	10.5	10.3	3.1717	1.7081	-0.0042	4.8756	-0.0123	0.08	0.0017	0.0693
1468	10.9	10.3	3.1721	1.7076	-0.0042	4.8755	-0.0153	0.0809	0.0029	0.0685
1469	11.3	10.3	3.1737	1.7052	-0.0041	4.8749	-0.0562	0.1116	0.0023	0.0577
1470	10.8	10.3	3.1748	1.7037	-0.0043	4.8743	-0.0883	0.1425	0.0047	0.0589
1471	9.99	10.3	3.175	1.7031	-0.0043	4.8738	-0.1021	0.1611	0.0079	0.0669

1472	9.69	10.3	3.1742	1.7031	-0.0041	4.8733	-0.0551	0.1367	0.0086	0.0902
1473	9.66	10.3	3.1733	1.7032	-0.004	4.8725	-0.0646	0.1431	0.0067	0.0852
1474	10.1	10.2	3.1725	1.7035	-0.0039	4.8721	-0.1177	0.1912	0.0087	0.0821
1475	9.73	10.3	3.1727	1.703	-0.0037	4.872	-0.1167	0.1998	0.0094	0.0925
1476	9.25	10.3	3.1769	1.7002	-0.0036	4.8736	-0.1396	0.2254	0.0085	0.0944
1477	9.38	10.3	3.1806	1.6967	-0.0037	4.8737	-0.1782	0.2605	0.0098	0.0921
1478	10.6	10.3	3.1843	1.6957	-0.0037	4.8763	-0.1942	0.2778	0.0109	0.0945
1479	9.93	10.2	3.1851	1.6934	-0.0037	4.8748	-0.1872	0.2618	0.0088	0.0834
1480	10.3	10.1	3.1826	1.6948	-0.0038	4.8737	-0.1859	0.2534	0.0027	0.0702
1481	10.2	10.1	3.1819	1.6955	-0.0036	4.8737	-0.1695	0.2392	0.0021	0.0717
1482	10.8	10.2	3.1821	1.6954	-0.0039	4.8736	-0.1437	0.225	0.0005	0.0818
1483	10.4	10.2	3.1814	1.6962	-0.0043	4.8734	-0.1534	0.2251	-0.0007	0.071
1484	10.8	10.3	3.1789	1.6985	-0.0043	4.8731	-0.181	0.2487	0.0036	0.0714
1485	10.9	10.3	3.1766	1.7002	-0.0042	4.8725	-0.1607	0.2346	0.0039	0.0778
1486	10.4	10.4	3.1752	1.701	-0.0042	4.8721	-0.1801	0.2302	0.0037	0.0539
1487	10.6	10.4	3.1745	1.7018	-0.0042	4.8721	-0.2268	0.2799	0.0025	0.0556
1488	9.71	10.4	3.1755	1.7008	-0.0041	4.8721	-0.2304	0.2963	0.0021	0.0679
1489	9.97	10.5	3.1791	1.6973	-0.004	4.8724	-0.228	0.3022	0.0002	0.0743
1490	10.1	10.5	3.1824	1.6943	-0.0038	4.8729	-0.2293	0.3101	0.0007	0.0815
1491	10.7	10.5	3.1836	1.693	-0.0037	4.8729	-0.2111	0.2838	0.0023	0.0751
1492	10.7	10.5	3.1854	1.6917	-0.0038	4.8732	-0.1994	0.2608	0.0024	0.0637
1493	10.7	10.5	3.182	1.6953	-0.0041	4.8732	-0.1976	0.2622	0.0003	0.0649
1494	10.7	10.5	3.1786	1.6984	-0.0042	4.8727	-0.2268	0.2892	-0.001	0.0615
1495	10.2	10.5	3.1758	1.7007	-0.0042	4.8723	-0.2328	0.2941	-0.0026	0.0588
1496	10.4	10.4	3.175	1.7015	-0.004	4.8724	-0.231	0.2897	-0.0021	0.0566
1497	10.8	10.5	3.1765	1.6999	-0.0041	4.8723	-0.18	0.2378	-0.0037	0.0541
1498	10.9	10.5	3.1777	1.698	-0.0042	4.8715	-0.1833	0.254	-0.0004	0.0704
1499	10.6	10.6	3.1768	1.6984	-0.0042	4.871	-0.1081	0.1929	-0.0008	0.084
1500	10.6	10.6	3.174	1.7006	-0.0043	4.8704	-0.0997	0.1837	-0.0004	0.0836
1501	10.9	10.6	3.1738	1.7007	-0.0045	4.8699	-0.0915	0.1732	-0.0008	0.0809
1502	10.4	10.6	3.1743	1.6999	-0.0047	4.8695	-0.0823	0.1635	-0.0045	0.0768
1503	10.6	10.6	3.1742	1.6994	-0.0048	4.8688	-0.0896	0.1753	-0.0056	0.0801
1504	10.1	10.6	3.1754	1.6974	-0.0046	4.8682	-0.1277	0.2166	-0.0062	0.0827
1505	9.91	10.5	3.1756	1.6967	-0.0045	4.8678	-0.1663	0.2559	-0.0011	0.0885
1506	10.7	10.5	3.1766	1.6955	-0.0044	4.8677	-0.1793	0.2684	-0.0012	0.0879
1507	10.9	10.5	3.1783	1.6938	-0.0046	4.8675	-0.1794	0.2706	-0.003	0.0882
1508	10.8	10.4	3.1802	1.6928	-0.0045	4.8685	-0.1678	0.2628	-0.0031	0.092

1509	10.9	10.4	3.1816	1.6906	-0.0045	4.8677	-0.131	0.2239	-0.0032	0.0897
1510	10.7	10.4	3.1794	1.6921	-0.0044	4.8672	-0.0903	0.1683	-0.0044	0.0736
1511	10.3	10.3	3.1767	1.695	-0.0042	4.8675	-0.0899	0.1609	-0.0071	0.0639
1512	10.6	10.3	3.1789	1.6942	-0.0041	4.869	-0.13	0.2027	-0.0053	0.0674
1513	10.3	10.2	3.1823	1.6916	-0.0041	4.8698	-0.1244	0.19	-0.0042	0.0615
1514	9.82	10.3	3.1821	1.6935	-0.004	4.8716	-0.0585	0.1235	-0.003	0.062
1515	9.8	10.3	3.1807	1.6943	-0.004	4.871	-0.0718	0.1364	-0.0005	0.064
1516	9.92	10.2	3.1793	1.6942	-0.0042	4.8694	-0.0633	0.1286	0.0035	0.0689
1517	9.92	10.2	3.1789	1.6951	-0.0043	4.8697	-0.0396	0.1217	0.0063	0.0884
1518	9.74	10.2	3.1798	1.6947	-0.004	4.8704	0.0091	0.0831	0.0082	0.1004
1519	10.4	10.1	3.1789	1.6954	-0.004	4.8703	0.0251	0.07	0.0103	0.1054
1520	9.81	10.1	3.1804	1.6933	-0.0041	4.8696	0.0431	0.05	0.0105	0.1036
1521	9.46	10	3.1784	1.6943	-0.0042	4.8685	0.0458	0.0508	0.0067	0.1033
1522	10.3	10	3.1792	1.6939	-0.0041	4.869	0.0392	0.0534	0.0071	0.0997
1523	10.5	10	3.181	1.6914	-0.0044	4.868	0.0614	0.0185	0.0118	0.0916
1524	10.2	10	3.1817	1.6905	-0.0045	4.8677	0.0787	-0.0026	0.013	0.0891
1525	10.1	10	3.1825	1.6893	-0.0044	4.8673	0.0788	-0.0001	0.0129	0.0916
1526	10.3	10	3.1839	1.6885	-0.0046	4.8678	0.0795	-0.0023	0.0147	0.092
1527	9.79	10	3.1844	1.6883	-0.0048	4.8679	0.1173	-0.0213	0.0119	0.1079
1528	9.76	10	3.1849	1.6885	-0.0048	4.8686	0.1569	-0.0625	0.0103	0.1047
1529	9.74	9.98	3.1849	1.6884	-0.0043	4.869	0.1973	-0.075	0.014	0.1362
1530	10.1	9.95	3.1843	1.6882	-0.0044	4.8681	0.1908	-0.0858	0.0136	0.1187
1531	10.2	9.94	3.1815	1.6904	-0.0043	4.8677	0.1777	-0.0814	0.0122	0.1084
1532	10.1	9.91	3.1795	1.6933	-0.0043	4.8684	0.1913	-0.0906	0.0112	0.1118
1533	10.4	9.89	3.1791	1.6936	-0.0046	4.8681	0.2224	-0.1155	0.0061	0.1129
1534	9.7	9.89	3.1767	1.6952	-0.0046	4.8673	0.2391	-0.1407	0.0026	0.101
1535	9.9	9.9	3.1758	1.6965	-0.0045	4.8678	0.2118	-0.1187	0.0031	0.0963
1536	10.4	9.88	3.1736	1.699	-0.0045	4.8681	0.1811	-0.1002	0.0027	0.0835
1537	9.6	9.87	3.1731	1.6986	-0.0046	4.867	0.1466	-0.0761	0.0034	0.074
1538	9.31	9.89	3.173	1.6981	-0.0047	4.8664	0.1092	-0.0349	0.0056	0.08
1539	9.32	9.9	3.173	1.698	-0.0046	4.8664	0.1174	-0.0388	0.0051	0.0837
1540	9.34	9.89	3.1729	1.6983	-0.0044	4.8667	0.0935	-0.0108	0.0041	0.0868
1541	9.63	9.87	3.1729	1.6986	-0.0043	4.8673	0.0781	-0.011	0.003	0.0701
1542	10.3	9.85	3.1735	1.6983	-0.0041	4.8677	0.0554	0.02	0.007	0.0824
1543	10.1	9.81	3.176	1.6962	-0.0041	4.8681	0.0474	0.0301	0.0068	0.0843
1544	10.2	9.83	3.1761	1.6963	-0.0041	4.8683	0.001	0.0712	0.0041	0.0763
1545	9.91	9.83	3.1761	1.6967	-0.0042	4.8686	-0.0438	0.1279	-0.0002	0.0839

1546	9.73	9.81	3.1722	1.7009	-0.0041	4.8689	-0.0886	0.1629	-0.0016	0.0727
1547	10	9.81	3.1718	1.7008	-0.0043	4.8683	-0.0956	0.1649	0.001	0.0703
1548	9.9	9.87	3.1648	1.7056	-0.0043	4.8661	-0.0681	0.1333	0.0026	0.0677
1549	9.93	9.95	3.1641	1.7068	-0.0044	4.8665	-0.0423	0.0988	0.004	0.0605
1550	9.83	10	3.1643	1.7064	-0.0041	4.8665	-0.0559	0.1027	0.0033	0.0501
1551	9.76	10.1	3.164	1.7064	-0.0038	4.8666	-0.0866	0.1267	0.0016	0.0416
1552	9.59	10.1	3.1641	1.7065	-0.0037	4.8669	-0.0564	0.0889	-0.0029	0.0296
1553	9.98	10.1	3.1645	1.7062	-0.0037	4.867	-0.0209	0.0398	-0.0049	0.0141
1554	10	10.1	3.1676	1.7032	-0.004	4.8668	0.0088	0.0091	-0.005	0.0129
1555	9.91	10.1	3.169	1.702	-0.0042	4.8668	0.0318	-0.0128	-0.003	0.016
1556	9.53	10.2	3.1697	1.7013	-0.0042	4.8668	0.0252	0.0007	-0.0018	0.0241
1557	10.6	10.2	3.169	1.7017	-0.0041	4.8665	0.0509	-0.0263	0.0006	0.0252
1558	10.7	10.3	3.1693	1.7015	-0.004	4.8669	0.107	-0.0812	-0.002	0.0238
1559	10.6	10.3	3.171	1.7006	-0.0039	4.8677	0.1381	-0.0962	-0.0023	0.0397
1560	10.7	10.4	3.1716	1.7005	-0.0041	4.8681	0.1476	-0.106	-0.0033	0.0383
1561	10.4	10.4	3.1722	1.7001	-0.0043	4.868	0.1324	-0.0941	-0.0036	0.0346
1562	10.7	10.5	3.1714	1.7009	-0.0042	4.8681	0.1162	-0.0767	-0.002	0.0375
1563	10.3	10.6	3.1709	1.7015	-0.0042	4.8683	0.1397	-0.0892	-0.0004	0.0501
1564	10.5	10.6	3.1717	1.7007	-0.0042	4.8681	0.1771	-0.1209	0	0.0562
1565	10.8	10.7	3.1729	1.6987	-0.0045	4.867	0.1744	-0.106	0.0007	0.0691
1566	10.3	10.7	3.1723	1.6987	-0.0047	4.8662	0.1695	-0.1121	-0.0006	0.0568
1567	11	10.7	3.1708	1.6997	-0.005	4.8656	0.147	-0.0973	-0.0027	0.0469
1568	11.2	10.7	3.1696	1.7006	-0.0053	4.865	0.0975	-0.057	-0.003	0.0375
1569	10.6	10.7	3.1694	1.7003	-0.0052	4.8645	0.0908	-0.0507	-0.0011	0.039
1570	10.8	10.7	3.1702	1.6987	-0.0049	4.864	0.0773	-0.0289	-0.0011	0.0474
1571	11	10.6	3.1711	1.6978	-0.005	4.8638	0.0927	-0.0436	-0.002	0.0471
1572	11.1	10.6	3.1681	1.7012	-0.0052	4.8641	0.1187	-0.0791	-0.001	0.0387
1573	11.3	10.6	3.1655	1.7034	-0.0053	4.8636	0.1697	-0.1268	0.0036	0.0466
1574	10.6	10.6	3.1647	1.7035	-0.0052	4.8629	0.2054	-0.1754	0.0051	0.0351
1575	10.4	10.6	3.1648	1.7033	-0.0052	4.8628	0.2207	-0.1736	0.0041	0.0513
1576	10.8	10.5	3.1652	1.7024	-0.0048	4.8628	0.1646	-0.1107	0.0006	0.0545
1577	10.2	10.5	3.1649	1.703	-0.0047	4.8632	0.0832	-0.0309	-0.0042	0.0481
1578	10.6	10.4	3.1646	1.7032	-0.0051	4.8627	0.0218	0.0271	-0.0079	0.041
1579	10	10.4	3.166	1.702	-0.0051	4.863	-0.0168	0.0643	-0.0055	0.042
1580	9.97	10.3	3.1649	1.7029	-0.005	4.8628	-0.0229	0.0694	0.0005	0.0471
1581	10.1	10.2	3.1627	1.7046	-0.0047	4.8626	-0.0473	0.0859	0.0012	0.0398
1582	10.5	10.2	3.1599	1.7069	-0.0045	4.8623	-0.1116	0.1516	0.0037	0.0436

1583	10.1	10.1	3.1575	1.7103	-0.0046	4.8632	-0.1098	0.1507	0.003	0.0439
1584	10.1	10.1	3.1578	1.7103	-0.0047	4.8634	-0.139	0.1818	-0.002	0.0407
1585	10.1	10.1	3.1585	1.7102	-0.0045	4.8642	-0.1614	0.1993	-0.003	0.0348
1586	9.92	10.1	3.1606	1.7087	-0.0045	4.8647	-0.1564	0.2007	-0.003	0.0413
1587	9.92	10.1	3.1635	1.7053	-0.0048	4.8641	-0.1543	0.1961	-0.003	0.0389
1588	10.1	10	3.1638	1.7046	-0.0046	4.8638	-0.1628	0.1938	-0.003	0.028
1589	9.66	9.99	3.1698	1.6984	-0.0044	4.8638	-0.128	0.159	-0.0026	0.0284
1590	9.41	9.96	3.1746	1.6954	-0.0041	4.8659	-0.0994	0.1512	-0.0006	0.0512
1591	10.1	9.96	3.178	1.691	-0.0044	4.8646	-0.0741	0.1356	0.001	0.0626
1592	10.2	9.9	3.1807	1.6887	-0.0045	4.8648	-0.0194	0.0776	0.001	0.0592
1593	9.97	9.89	3.1819	1.6881	-0.0045	4.8655	0.0211	0.0457	0.0017	0.0685
1594	10.2	9.88	3.1829	1.6856	-0.0042	4.8643	0.1037	-0.0262	0.0027	0.0802
1595	10.2	9.85	3.1846	1.6844	-0.004	4.865	0.1257	-0.0432	0.003	0.0855
1596	10.2	9.82	3.1846	1.685	-0.0041	4.8654	0.1037	-0.018	0.0003	0.086
1597	9.87	9.82	3.1833	1.6866	-0.0044	4.8655	0.0234	0.0569	-0.0019	0.0783
1598	9.28	9.84	3.1819	1.6881	-0.0046	4.8655	0.0481	0.0145	-0.004	0.0585
1599	9.53	9.83	3.1824	1.6881	-0.0045	4.8659	-0.0202	0.0684	-0.0052	0.0431
1600	9.97	9.85	3.1827	1.6879	-0.0044	4.8662	-0.067	0.126	-0.0066	0.0523
1601	9.31	9.83	3.1794	1.6918	-0.0042	4.867	-0.0944	0.1481	-0.0036	0.0501
1602	9.93	9.81	3.1764	1.696	-0.0042	4.8681	-0.0848	0.1357	0.0019	0.0528
1603	9.89	9.82	3.1733	1.6985	-0.0043	4.8675	-0.0944	0.1381	0.005	0.0487
1604	9.6	9.83	3.1722	1.6986	-0.0043	4.8666	-0.1071	0.1492	0.0064	0.0485
1605	9.32	9.82	3.1731	1.6966	-0.0043	4.8654	-0.0819	0.1283	0.0028	0.0492
1606	9.92	9.82	3.1715	1.6981	-0.0045	4.8652	-0.0689	0.1171	0	0.0482
1607	10.5	9.84	3.1676	1.7019	-0.0044	4.8651	-0.0637	0.1138	0.0013	0.0515
1608	9.46	9.91	3.1664	1.7024	-0.0043	4.8646	-0.0482	0.0997	0.0048	0.0564
1609	9.66	10	3.1669	1.7012	-0.0042	4.8639	-0.0564	0.1081	0.0066	0.0583
1610	9.86	10	3.1662	1.7015	-0.004	4.8637	-0.0287	0.0958	0.0079	0.075
1611	9.76	10.1	3.1651	1.7026	-0.0039	4.8638	0.0131	0.0612	0.0073	0.0815
1612	10.1	10.1	3.1649	1.7031	-0.0041	4.864	0.0284	0.0397	0.0052	0.0732
1613	10.4	10.1	3.1646	1.7037	-0.0041	4.8642	0.0685	0.0026	0.0081	0.0792
1614	10.1	10.2	3.1646	1.7041	-0.004	4.8647	0.1123	-0.0369	0.009	0.0844
1615	10.2	10.3	3.1638	1.7055	-0.0039	4.8653	0.1263	-0.0434	0.0098	0.0928
1616	10.2	10.3	3.1646	1.704	-0.0039	4.8647	0.1458	-0.0703	0.0113	0.0868
1617	10.7	10.4	3.1692	1.7008	-0.004	4.8659	0.1435	-0.0716	0.0094	0.0814
1618	11.1	10.5	3.1707	1.6997	-0.0039	4.8665	0.1354	-0.0601	0.0078	0.0831
1619	10.1	10.6	3.1712	1.6983	-0.0039	4.8656	0.1507	-0.0644	0.0039	0.0902

1620	10.6	10.6	3.1711	1.6976	-0.0039	4.8648	0.157	-0.0717	0.0034	0.0887
1621	10.4	10.7	3.1666	1.7022	-0.0041	4.8647	0.1554	-0.0821	0.0048	0.078
1622	10.7	10.8	3.1622	1.7066	-0.0044	4.8643	0.1582	-0.0947	0.004	0.0676
1623	10.6	10.9	3.1604	1.709	-0.0049	4.8645	0.1436	-0.0792	0.0031	0.0674
1624	10.8	11	3.1596	1.7079	-0.0049	4.8626	0.129	-0.0672	0.0055	0.0674
1625	11.2	11	3.1661	1.7003	-0.0045	4.8619	0.1019	-0.0289	0.0051	0.078
1626	11.3	11.1	3.1756	1.6916	-0.0042	4.863	0.0902	-0.0201	0.005	0.0751
1627	11.5	11.1	3.1823	1.6856	-0.004	4.8638	0.1148	-0.0426	0.009	0.0813
1628	11.2	11	3.1866	1.6821	-0.0042	4.8644	0.1269	-0.0479	0.0097	0.0887
1629	11	11.1	3.1872	1.6815	-0.0044	4.8643	0.1274	-0.0445	0.0055	0.0883
1630	11.6	11.1	3.189	1.6796	-0.0045	4.8642	0.176	-0.0856	0.003	0.0934
1631	12.4	11.1	3.1927	1.6753	-0.0047	4.8633	0.1676	-0.1048	0.0026	0.0655
1632	11.9	11.1	3.1904	1.6782	-0.0046	4.864	0.1334	-0.0719	0.0039	0.0654
1633	11.3	11.1	3.193	1.6754	-0.0044	4.864	0.0664	-0.0142	0.0065	0.0587
1634	11.2	11.1	3.1928	1.6753	-0.0043	4.8638	0.0117	0.0455	0.0055	0.0627
1635	10.5	11	3.1914	1.6764	-0.0042	4.8637	-0.0081	0.0666	0.0032	0.0617
1636	10.6	11	3.189	1.6794	-0.0042	4.8642	0.0123	0.0485	0.0019	0.0627
1637	10.6	10.9	3.1893	1.6792	-0.0043	4.8642	0.0624	-0.0031	-0.0002	0.0591
1638	11.1	10.9	3.1858	1.6822	-0.0044	4.8636	0.102	-0.0444	-0.0018	0.0558
1639	11.2	10.9	3.1829	1.6829	-0.0045	4.8613	0.0678	-0.0124	0.0006	0.056
1640	10.5	10.8	3.1803	1.6847	-0.0045	4.8604	0.1436	-0.0981	0.0029	0.0484
1641	10.6	10.7	3.1749	1.6908	-0.0044	4.8614	0.1913	-0.1274	0.007	0.0708
1642	10.4	10.6	3.1714	1.6938	-0.0043	4.8608	0.2128	-0.1603	0.0049	0.0574
1643	10.5	10.5	3.1656	1.6988	-0.0044	4.86	0.1918	-0.1312	0.0037	0.0642
1644	9.91	10.5	3.1636	1.7006	-0.0044	4.8598	0.187	-0.1156	0.0021	0.0734
1645	10	10.4	3.1657	1.6985	-0.0042	4.86	0.1855	-0.1284	0.0027	0.0598
1646	10.2	10.4	3.1698	1.6952	-0.0039	4.8611	0.1746	-0.1151	0.0032	0.0627
1647	10.9	10.4	3.167	1.6993	-0.0039	4.8624	0.1253	-0.0746	0.0006	0.0513
1648	10.8	10.4	3.1668	1.6988	-0.0038	4.8618	0.0903	-0.0465	-0.0041	0.0397
1649	10.5	10.4	3.1708	1.6942	-0.0037	4.8612	0.0788	-0.0433	-0.007	0.0285
1650	10.2	10.4	3.1737	1.6916	-0.0038	4.8615	0.0795	-0.0479	-0.0044	0.0273
1651	10.1	10.4	3.1725	1.6929	-0.004	4.8614	0.0487	-0.0184	-0.0023	0.028
1652	9.98	10.5	3.1735	1.6927	-0.0042	4.862	-0.042	0.0592	0.0012	0.0184
1653	9.81	10.5	3.1752	1.6913	-0.0043	4.8621	-0.0802	0.1114	0.0037	0.035
1654	10.4	10.5	3.1758	1.6904	-0.0043	4.8618	-0.0631	0.1018	0.0049	0.0437
1655	10.6	10.6	3.1759	1.6903	-0.0042	4.862	-0.0759	0.109	0.004	0.0371
1656	10.6	10.6	3.1761	1.6899	-0.0043	4.8616	-0.0636	0.0952	0.0048	0.0364

1657	10.3	10.6	3.1738	1.6918	-0.0046	4.8609	-0.059	0.1019	0.0021	0.0451
1658	10.5	10.6	3.175	1.6907	-0.0046	4.8611	-0.0869	0.1367	0.0038	0.0536
1659	11.1	10.6	3.1738	1.691	-0.0047	4.8602	-0.0934	0.1449	0.0067	0.0583
1660	11.1	10.6	3.1703	1.6944	-0.0048	4.86	-0.0686	0.1191	0.006	0.0565
1661	11.2	10.6	3.1693	1.6961	-0.0048	4.8606	-0.1297	0.1805	0.006	0.0568
1662	10.5	10.7	3.1646	1.7007	-0.005	4.8602	-0.24	0.2889	0.006	0.0549
1663	10.7	10.8	3.1597	1.7052	-0.0051	4.8598	-0.2992	0.3391	0.0054	0.0453
1664	11.4	10.8	3.1591	1.705	-0.0052	4.8588	-0.3224	0.3564	0.0056	0.0396
1665	10.8	10.8	3.1583	1.7057	-0.0057	4.8583	-0.288	0.3272	0.0053	0.0445
1666	10.7	10.8	3.1579	1.7058	-0.0057	4.8581	-0.3253	0.3723	0.002	0.049
1667	10.8	10.9	3.1573	1.7058	-0.0058	4.8573	-0.3447	0.3844	-0.0023	0.0374
1668	10.1	10.9	3.1546	1.707	-0.0057	4.856	-0.2881	0.3374	-0.0039	0.0454
1669	10.5	10.8	3.1537	1.7074	-0.0055	4.8556	-0.2787	0.3345	-0.0011	0.0548
1670	10.8	10.8	3.1547	1.7069	-0.0054	4.8562	-0.2801	0.3281	-0.001	0.0471
1671	11.1	10.7	3.1552	1.7072	-0.0054	4.8571	-0.2681	0.3042	-0.0012	0.0349
1672	11.2	10.7	3.1538	1.7092	-0.0056	4.8573	-0.2698	0.3059	-0.0025	0.0336
1673	11	10.7	3.1525	1.7102	-0.0059	4.8568	-0.304	0.3483	-0.0054	0.039
1674	11.2	10.7	3.1545	1.7064	-0.0057	4.8551	-0.331	0.388	-0.0097	0.0473
1675	11	10.6	3.1558	1.7053	-0.0057	4.8553	-0.3386	0.3761	-0.0097	0.0277
1676	11	10.6	3.1537	1.7066	-0.0057	4.8546	-0.2544	0.2827	-0.0056	0.0227
1677	10.2	10.6	3.1522	1.7078	-0.0057	4.8543	-0.1321	0.1721	-0.0014	0.0386
1678	10.4	10.5	3.1518	1.7077	-0.0056	4.8539	-0.056	0.1082	0.0012	0.0534
1679	10.6	10.5	3.1484	1.7106	-0.0054	4.8536	-0.0326	0.1011	-0.0001	0.0684
1680	10	10.5	3.1481	1.7134	-0.0052	4.8563	-0.0453	0.1156	-0.0011	0.0692
1681	10.6	10.5	3.1494	1.7118	-0.0051	4.856	-0.0123	0.0884	-0.0026	0.0735
1682	10.5	10.5	3.1532	1.7084	-0.0052	4.8564	0.0641	0.0091	-0.004	0.0693
1683	10.1	10.5	3.1564	1.7057	-0.0051	4.857	0.0724	0.0075	-0.0049	0.075
1684	10.1	10.4	3.1586	1.7037	-0.005	4.8573	0.087	-0.0011	-0.004	0.0819
1685	10.3	10.4	3.1573	1.7053	-0.0047	4.8579	0.0313	0.0458	-0.0028	0.0744
1686	9.76	10.4	3.1543	1.709	-0.0045	4.8588	-0.0029	0.0741	-0.0004	0.0708
1687	9.94	10.4	3.1533	1.7098	-0.0046	4.8585	-0.0057	0.091	0.0027	0.0879
1688	10.3	10.4	3.157	1.7059	-0.0047	4.8582	0.0064	0.0808	0.0017	0.0888
1689	10.9	10.4	3.1554	1.7082	-0.0047	4.8589	-0.0545	0.1327	0.0003	0.0786
1690	10.2	10.4	3.1555	1.7081	-0.0048	4.8589	-0.1208	0.1752	-0.0018	0.0526
1691	11.4	10.4	3.1567	1.7071	-0.0049	4.8589	-0.1651	0.2068	-0.002	0.0397
1692	10.8	10.4	3.1615	1.7018	-0.0049	4.8584	-0.2567	0.306	-0.0003	0.049
1693	10.3	10.4	3.1632	1.6997	-0.0047	4.8582	-0.296	0.3396	0.0006	0.0442

1694	10.2	10.4	3.1644	1.6984	-0.0045	4.8583	-0.3283	0.3636	-0.0004	0.0349
1695	10.8	10.4	3.1672	1.6959	-0.0044	4.8587	-0.3508	0.3859	-0.0017	0.0333
1696	10.5	10.4	3.172	1.6925	-0.0042	4.8603	-0.3152	0.3513	-0.001	0.0351
1697	10.2	10.4	3.1743	1.6913	-0.004	4.8615	-0.2457	0.2885	0.0019	0.0447
1698	10	10.4	3.1741	1.6924	-0.0039	4.8626	-0.2594	0.3125	0.0011	0.0542
1699	10.1	10.4	3.1744	1.6929	-0.0041	4.8632	-0.2827	0.327	0.0021	0.0464
1700	10.1	10.4	3.1778	1.6898	-0.0042	4.8634	-0.2872	0.323	0.004	0.0398
1701	10.5	10.3	3.1836	1.6859	-0.0044	4.8651	-0.2514	0.2819	0.0054	0.036
1702	10.6	10.3	3.1844	1.6848	-0.0046	4.8646	-0.2232	0.2551	0.0035	0.0354
1703	10.1	10.3	3.1796	1.6883	-0.0048	4.8631	-0.2593	0.3035	0.0015	0.0457
1704	10.5	10.3	3.1798	1.6878	-0.0047	4.8629	-0.2386	0.2903	0.0015	0.0531
1705	9.61	10.3	3.1795	1.6871	-0.0048	4.8618	-0.2279	0.2766	0.0044	0.0531
1706	10.1	10.3	3.1774	1.6879	-0.0047	4.8607	-0.2558	0.3112	0.0056	0.0609
1707	10.4	10.4	3.1763	1.6882	-0.0048	4.8598	-0.2791	0.3346	0.0022	0.0578
1708	10.4	10.4	3.1758	1.6879	-0.0049	4.8587	-0.3609	0.4095	-0.0022	0.0464
1709	10.7	10.4	3.1737	1.6893	-0.0048	4.8583	-0.3758	0.4286	-0.0016	0.0512
1710	10.5	10.5	3.1791	1.6835	-0.0046	4.858	-0.3905	0.4384	-0.0019	0.0461
1711	10.6	10.4	3.1891	1.6738	-0.0045	4.8583	-0.4244	0.4675	-0.0045	0.0386
1712	10.1	10.5	3.1949	1.6692	-0.0046	4.8594	-0.4304	0.4785	-0.005	0.0431
1713	10.4	10.5	3.1968	1.6681	-0.0047	4.8602	-0.492	0.5379	-0.0089	0.037
1714	10.6	10.5	3.1934	1.6714	-0.0046	4.8602	-0.4978	0.5394	-0.01	0.0316
1715	11.1	10.5	3.1963	1.6683	-0.0041	4.8604	-0.483	0.5173	-0.0091	0.0252
1716	11.1	10.5	3.1991	1.6655	-0.0037	4.8609	-0.5025	0.5439	-0.0108	0.0305
1717	10.8	10.5	3.198	1.667	-0.0036	4.8614	-0.4981	0.5452	-0.0119	0.0353
1718	10.2	10.5	3.1986	1.6663	-0.0038	4.8611	-0.5433	0.583	-0.0138	0.026
1719	10.5	10.5	3.1992	1.6655	-0.0038	4.8609	-0.5656	0.5909	-0.0129	0.0124
1720	10.1	10.6	3.1979	1.6672	-0.0038	4.8614	-0.5684	0.5845	-0.0095	0.0066
1721	11.1	10.6	3.1935	1.6716	-0.0038	4.8613	-0.5611	0.5875	-0.0076	0.0188
1722	10.6	10.6	3.1926	1.6717	-0.0039	4.8604	-0.5291	0.5711	-0.007	0.0351
1723	10.1	10.6	3.1935	1.6701	-0.0039	4.8598	-0.5361	0.5838	-0.0097	0.038
1724	10.3	10.6	3.1935	1.6703	-0.0039	4.8598	-0.5189	0.5692	-0.0141	0.0362
1725	10.7	10.6	3.1915	1.6721	-0.0039	4.8596	-0.4516	0.4751	-0.0132	0.0103
1726	10.5	10.6	3.1888	1.6744	-0.0041	4.8591	-0.4032	0.4249	-0.0145	0.0071
1727	10.6	10.6	3.1879	1.6748	-0.0042	4.8585	-0.3979	0.4276	-0.015	0.0147
1728	10.5	10.6	3.1898	1.6719	-0.0042	4.8576	-0.3897	0.4186	-0.0132	0.0157
1729	11	10.6	3.1917	1.6699	-0.0043	4.8574	-0.3442	0.3689	-0.0096	0.0152
1730	10.7	10.7	3.1903	1.6708	-0.0042	4.8568	-0.37	0.4027	-0.0027	0.03

1731	10.2	10.7	3.1863	1.6744	-0.0043	4.8564	-0.3818	0.4513	-0.0004	0.0691
1732	11	10.7	3.1832	1.6774	-0.0041	4.8565	-0.3523	0.4274	-0.0006	0.0745
1733	10.9	10.7	3.1843	1.6756	-0.004	4.8559	-0.2831	0.3648	-0.0015	0.0802
1734	11.1	10.7	3.1897	1.6707	-0.004	4.8564	-0.2337	0.3135	-0.001	0.0788
1735	10.9	10.7	3.1917	1.669	-0.0041	4.8566	-0.2189	0.2969	0.0018	0.0798
1736	10.7	10.7	3.1896	1.6703	-0.0044	4.8554	-0.2359	0.316	0.0071	0.0872
1737	10.7	10.7	3.1887	1.6712	-0.0045	4.8554	-0.2688	0.3546	0.0093	0.0951
1738	10.4	10.7	3.1913	1.669	-0.0045	4.8557	-0.2537	0.3396	0.0109	0.0967
1739	11.1	10.7	3.195	1.6653	-0.0044	4.856	-0.1863	0.2699	0.0111	0.0947
1740	10.8	10.7	3.1968	1.664	-0.0043	4.8564	-0.1961	0.2831	0.0096	0.0965
1741	10.9	10.6	3.2006	1.6602	-0.0043	4.8564	-0.1881	0.2804	0.0072	0.0994
1742	11	10.6	3.2009	1.6598	-0.0044	4.8564	-0.1643	0.2674	0.0043	0.1074
1743	10.6	10.6	3.1984	1.6624	-0.0043	4.8565	-0.0876	0.1989	0.0042	0.1155
1744	10.3	10.5	3.1986	1.662	-0.0042	4.8564	-0.059	0.1492	0.0057	0.0959
1745	10.4	10.5	3.1972	1.6634	-0.0041	4.8565	-0.0585	0.1498	0.0084	0.0997
1746	10.7	10.5	3.1944	1.6663	-0.0041	4.8566	-0.0656	0.1603	0.0113	0.106
1747	10.9	10.4	3.1929	1.6681	-0.004	4.857	-0.0496	0.166	0.0116	0.128
1748	10.1	10.4	3.1951	1.6661	-0.004	4.8571	-0.0402	0.1548	0.0118	0.1264
1749	10	10.4	3.1995	1.6619	-0.0041	4.8573	-0.0481	0.1756	0.0114	0.1389
1750	9.64	10.4	3.1989	1.6634	-0.0043	4.8579	-0.0507	0.185	0.008	0.1423
1751	10.8	10.3	3.1948	1.6674	-0.0044	4.8578	0.0161	0.1268	0.0066	0.1495
1752	10.1	10.3	3.1995	1.6623	-0.0043	4.8575	0.075	0.0884	0.005	0.1685
1753	9.73	10.3	3.1991	1.6623	-0.0045	4.8568	0.0834	0.0786	0.0029	0.1649
1754	10.2	10.4	3.1985	1.6627	-0.0047	4.8565	0.0354	0.1154	0.0007	0.1515
1755	10.6	10.4	3.2015	1.6592	-0.0048	4.8559	0.0375	0.1109	0.0016	0.15
1756	10.3	10.4	3.204	1.6564	-0.0046	4.8558	0.0346	0.1052	0.0007	0.1404
1757	10.1	10.3	3.2099	1.6508	-0.0044	4.8563	0.0129	0.1153	0.0017	0.1299
1758	10.3	10.4	3.2126	1.6478	-0.0045	4.8559	0.0011	0.1198	0.001	0.1219
1759	10.6	10.3	3.2129	1.6472	-0.0045	4.8556	-0.0047	0.1173	-0.0009	0.1117
1760	10.5	10.4	3.2128	1.6477	-0.0043	4.8561	-0.0272	0.1341	0.001	0.1079
1761	10.8	10.4	3.2124	1.6483	-0.0043	4.8563	0.0328	0.0708	0.0027	0.1063
1762	10.5	10.4	3.2138	1.6469	-0.0041	4.8565	0.145	-0.0376	0.0035	0.1108
1763	10.8	10.4	3.2095	1.6513	-0.0041	4.8566	0.212	-0.0901	0.0029	0.1248
1764	10.2	10.4	3.2074	1.6533	-0.0043	4.8563	0.2368	-0.1038	0.0022	0.1353
1765	11.1	10.4	3.2085	1.6513	-0.0046	4.8553	0.2003	-0.0667	0.0034	0.137
1766	10.4	10.4	3.2077	1.6513	-0.0045	4.8546	0.2364	-0.1041	0.0086	0.1409
1767	10.3	10.4	3.2116	1.6475	-0.0044	4.8547	0.2725	-0.1378	0.0141	0.1487

1768	9.88	10.4	3.2111	1.648	-0.0044	4.8547	0.2624	-0.1213	0.0151	0.1562
1769	10.5	10.4	3.2105	1.649	-0.0045	4.855	0.2729	-0.132	0.0129	0.1539
1770	10.8	10.4	3.2108	1.6481	-0.0046	4.8543	0.2836	-0.1432	0.013	0.1534
1771	10.5	10.3	3.2081	1.6501	-0.0047	4.8535	0.2718	-0.1235	0.0132	0.1614
1772	9.94	10.3	3.2074	1.6508	-0.0046	4.8535	0.2196	-0.0699	0.0132	0.1629
1773	10.1	10.3	3.2044	1.6532	-0.0044	4.8532	0.2101	-0.0687	0.0123	0.1537
1774	10.1	10.3	3.1996	1.6589	-0.0044	4.8541	0.2251	-0.0903	0.0124	0.1472
1775	9.95	10.2	3.1961	1.6628	-0.0042	4.8546	0.2274	-0.09	0.0126	0.1501
1776	10.4	10.2	3.1935	1.6639	-0.0042	4.8532	0.2042	-0.0673	0.0121	0.149
1777	10.1	10.2	3.1912	1.6659	-0.0044	4.8528	0.17	-0.0363	0.0109	0.1445
1778	10.5	10.2	3.1863	1.6708	-0.0047	4.8524	0.1596	-0.0317	0.0096	0.1375
1779	10.2	10.2	3.1854	1.6703	-0.0051	4.8506	0.1892	-0.0717	0.0091	0.1266
1780	9.56	10.1	3.1863	1.6683	-0.0052	4.8494	0.2187	-0.1008	0.0082	0.126
1781	10.1	10.1	3.1846	1.669	-0.0051	4.8486	0.201	-0.0904	0.0091	0.1196
1782	10.5	10.1	3.1815	1.6719	-0.005	4.8484	0.1464	-0.0395	0.0083	0.1152
1783	9.97	10.1	3.1797	1.6744	-0.005	4.8491	0.103	0.0051	0.0109	0.119
1784	10.1	10.1	3.1805	1.674	-0.0052	4.8493	0.1209	-0.0232	0.0128	0.1105
1785	10.1	10.1	3.1809	1.6737	-0.0054	4.8492	0.2041	-0.0968	0.0129	0.1202
1786	9.94	10.1	3.1812	1.6735	-0.0055	4.8492	0.2388	-0.1246	0.011	0.1252
1787	9.87	10.1	3.1787	1.6758	-0.0057	4.8489	0.2089	-0.1069	0.0068	0.1089
1788	10.3	10.1	3.1756	1.6789	-0.0058	4.8487	0.1986	-0.0944	0.0057	0.1099
1789	10.2	10.1	3.175	1.6799	-0.0057	4.8493	0.2428	-0.1312	0.0062	0.1178
1790	10.3	10.1	3.1743	1.6801	-0.0055	4.8489	0.3086	-0.1927	0.0081	0.124
1791	10.1	10	3.1732	1.6803	-0.0053	4.8482	0.343	-0.2181	0.0085	0.1334
1792	9.76	10	3.1702	1.6819	-0.0053	4.8469	0.4128	-0.2857	0.0086	0.1357
1793	10.6	10	3.1691	1.6848	-0.0053	4.8486	0.4267	-0.2983	0.0086	0.137
1794	10.1	10	3.1702	1.6834	-0.0053	4.8483	0.3902	-0.2573	0.0091	0.142
1795	10.5	10	3.1737	1.6799	-0.0055	4.8481	0.4007	-0.2693	0.0112	0.1427
1796	9.34	9.95	3.177	1.6759	-0.0054	4.8475	0.3825	-0.2493	0.0134	0.1466
1797	10	9.89	3.1783	1.6758	-0.0052	4.8489	0.3371	-0.1995	0.014	0.1517
1798	9.72	9.73	3.1789	1.6749	-0.005	4.8487	0.3156	-0.17	0.016	0.1616
1799	9.7	9.75	3.1795	1.6744	-0.0049	4.849	0.3633	-0.2125	0.0165	0.1673
1800	9.84	9.84	3.1762	1.6771	-0.0049	4.8484	0.4568	-0.2988	0.0148	0.1728