Test Name	**AL, PIR, rep 2**
Cladding	**Aluminium**
Cladding Thickness [mm]	**2**
Insulation	**Polyisocyanurate (PIR) foam**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**2**
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 second repetition of this system configuration.
Experiment Notes	At approximately 20 minutes the aluminium panel began to touch the insulation panel, affecting the mass measurements.
Peak HRR [kW]	**6.5**
Time to Peak HRR [mins]	**5.45**
Residual HRR [kW]	**1.81**
Total HR [MJ]	**0.271**
Peak dQ/dt [kW/s]	**0.174**
Time to Peak dQ/dt [s]	**0.98**

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	0.124	0.124	3.1918	1.8575	-0.0007	5.0485	0.0959	0.338	-0.0058	0.4282
1	0.232	0.194	3.1903	1.8576	-0.0006	5.0473	0.0978	0.3292	-0.0078	0.4192
2	0.227	0.216	3.1891	1.8573	-0.0009	5.0456	0.0973	0.3132	-0.009	0.4014
3	0.155	0.341	3.1885	1.8559	-0.0007	5.0437	0.0993	0.2928	-0.007	0.3851
4	0.34	0.642	3.188	1.854	-0.0008	5.0413	0.1092	0.2855	-0.0027	0.3921
5	0.582	1.37	3.1877	1.8529	-0.001	5.0397	0.112	0.2896	-0.0013	0.4003
6	0.727	2.27	3.1877	1.8515	-0.001	5.0381	0.1188	0.2849	0.0017	0.4054
7	1.15	3.29	3.1874	1.8498	-0.0011	5.0361	0.1267	0.2777	0.0039	0.4083
8	2.24	4.27	3.1871	1.8493	-0.001	5.0354	0.1291	0.2847	0.0023	0.4161
9	3.79	5.19	3.1866	1.8477	-0.0011	5.0332	0.1409	0.2771	0.0044	0.4224
10	5.49	5.87	3.1869	1.8475	-0.0012	5.0331	0.1435	0.2777	0.0076	0.4288
11	6.55	6.62	3.1867	1.8463	-0.0013	5.0317	0.1375	0.2824	0.0087	0.4286
12	7.88	7.35	3.1866	1.8456	-0.0014	5.0308	0.1296	0.281	0.0085	0.4191
13	9.56	8.06	3.1867	1.8452	-0.0015	5.0304	0.1179	0.2765	0.0075	0.4019
14	10.4	8.77	3.1869	1.8446	-0.0015	5.03	0.1088	0.2691	0.0077	0.3857
15	11.4	9.5	3.1871	1.8436	-0.0014	5.0293	0.1021	0.2645	0.0082	0.3748
16	11.9	10.2	3.187	1.843	-0.0013	5.0287	0.1007	0.257	0.0067	0.3644
17	12	10.8	3.1868	1.8432	-0.0012	5.0288	0.0979	0.2554	0.0064	0.3598
18	13.9	11.4	3.1865	1.8434	-0.0013	5.0287	0.0972	0.2602	0.0063	0.3637
19	13.1	11.9	3.1861	1.8432	-0.0014	5.0278	0.104	0.2535	0.0062	0.3637
20	14.6	12.4	3.1849	1.8435	-0.0015	5.0269	0.1045	0.2558	0.0065	0.3668
21	14.1	12.7	3.1853	1.8423	-0.0017	5.0259	0.1079	0.2558	0.008	0.3716
22	13.6	12.9	3.1859	1.8425	-0.002	5.0264	0.1106	0.2545	0.008	0.3731
23	13.9	13	3.1862	1.8422	-0.0021	5.0263	0.1057	0.2506	0.0081	0.3644
24	14.4	13	3.1867	1.842	-0.0021	5.0266	0.0983	0.2462	0.0085	0.3531
25	13.8	13	3.187	1.8416	-0.0024	5.0262	0.0901	0.2483	0.0084	0.3468
26	13.2	13	3.1868	1.8417	-0.0026	5.0258	0.0793	0.2463	0.0083	0.3339
27	14	12.9	3.1864	1.8414	-0.0027	5.0251	0.0735	0.247	0.0082	0.3287
28	13.3	12.8	3.1864	1.8411	-0.0026	5.0249	0.0743	0.2435	0.0092	0.3271

29	13.3	12.7	3.1866	1.8407	-0.0027	5.0246	0.067	0.2382	0.0083	0.3135
30	12.3	12.5	3.1866	1.8407	-0.0027	5.0246	0.0637	0.2348	0.0087	0.3072
31	11.7	12.3	3.1865	1.8408	-0.0028	5.0245	0.0648	0.2288	0.0072	0.3009
32	11.4	12.1	3.1863	1.8408	-0.0028	5.0243	0.0674	0.222	0.0065	0.2959
33	11.1	11.9	3.1861	1.8406	-0.0027	5.024	0.0722	0.2159	0.0064	0.2945
34	11.2	11.7	3.1857	1.8403	-0.0026	5.0234	0.0743	0.2103	0.0054	0.2899
35	11.4	11.4	3.1853	1.8398	-0.0027	5.0224	0.0726	0.2052	0.0051	0.2828
36	11.2	11.3	3.185	1.8397	-0.0026	5.0221	0.0716	0.2002	0.0027	0.2745
37	11.4	11	3.185	1.84	-0.0025	5.0225	0.0723	0.1915	0.0039	0.2678
38	11.2	10.8	3.1854	1.8393	-0.0025	5.0223	0.066	0.1843	0.0054	0.2557
39	10.8	10.6	3.1855	1.839	-0.0023	5.0223	0.0688	0.1826	0.0078	0.2593
40	10	10.5	3.1852	1.8396	-0.0022	5.0226	0.0772	0.1818	0.0097	0.2687
41	10.1	10.3	3.1849	1.8398	-0.0019	5.0228	0.0867	0.1822	0.0108	0.2797
42	10.2	10.2	3.1848	1.8399	-0.0018	5.0229	0.0908	0.1824	0.0126	0.2858
43	9.8	10	3.185	1.8399	-0.0019	5.023	0.0934	0.1809	0.0132	0.2874
44	9.82	9.93	3.1852	1.8401	-0.0018	5.0235	0.0941	0.1862	0.014	0.2942
45	9.59	9.78	3.1853	1.8407	-0.0014	5.0246	0.0963	0.1946	0.015	0.3059
46	10	9.68	3.1855	1.8409	-0.001	5.0254	0.0977	0.1985	0.0161	0.3123
47	9.55	9.59	3.1856	1.8413	-0.001	5.0259	0.1017	0.2033	0.0182	0.3232
48	8.72	9.51	3.186	1.8415	-0.001	5.0265	0.1095	0.2125	0.0194	0.3414
49	9.66	9.52	3.1865	1.8421	-0.0009	5.0277	0.1085	0.2185	0.0165	0.3435
50	8.89	9.56	3.1863	1.8422	-0.0008	5.0277	0.1105	0.2217	0.0128	0.345
51	8.75	9.59	3.1862	1.8427	-0.0007	5.0282	0.1197	0.2053	0.0164	0.3414
52	8.6	9.62	3.186	1.8435	-0.0008	5.0286	0.103	0.2086	0.0159	0.3275
53	8.84	9.67	3.1854	1.8436	-0.001	5.0279	0.0785	0.2085	0.0143	0.3012
54	8.62	9.71	3.1851	1.843	-0.0011	5.027	0.0685	0.1943	0.0148	0.2775
55	9.35	9.75	3.1846	1.843	-0.0013	5.0264	0.0662	0.1759	0.012	0.2541
56	9.74	9.74	3.184	1.8431	-0.0014	5.0258	0.0649	0.1617	0.0072	0.2338
57	9.71	9.77	3.1838	1.8425	-0.0013	5.0249	0.0649	0.1447	0.0057	0.2153
58	10.9	9.85	3.1829	1.8426	-0.0014	5.0241	0.0623	0.1266	0.0049	0.1938
59	10.8	9.84	3.1826	1.8423	-0.0016	5.0233	0.0591	0.1195	0.0049	0.1835
60	10.5	9.89	3.1829	1.8417	-0.0017	5.0229	0.0541	0.1004	0.0029	0.1574
61	10.8	9.95	3.1832	1.8416	-0.0017	5.0231	0.0532	0.0938	0.0009	0.1479
62	10.7	10	3.1838	1.8416	-0.0016	5.0237	0.0475	0.0808	-0.001	0.1273
63	10.6	10.1	3.1843	1.8417	-0.0017	5.0244	0.046	0.0675	-0.0032	0.1104
64	10.3	10.1	3.1846	1.8418	-0.0017	5.0247	0.055	0.0613	-0.003	0.1132
65	10	10.1	3.1846	1.842	-0.0016	5.025	0.0654	0.0489	-0.002	0.1123

66	10.1	10.1	3.1847	1.8419	-0.0016	5.025	0.0647	0.0374	-0.0014	0.1007
67	10.1	10.2	3.1846	1.8413	-0.0016	5.0243	0.0591	0.0315	-0.0003	0.0903
68	9.47	10.1	3.1841	1.8415	-0.0016	5.024	0.0548	0.0274	0.0008	0.083
69	9.87	10	3.1839	1.8411	-0.0016	5.0234	0.0523	0.0278	0.0001	0.0802
70	9.89	9.94	3.1836	1.8408	-0.0017	5.0227	0.0473	0.0252	-0.001	0.0715
71	9.86	9.85	3.1833	1.8406	-0.0017	5.0222	0.0339	0.0287	-0.0008	0.0618
72	9.69	9.79	3.1835	1.8407	-0.0018	5.0225	0.0366	0.0201	-0.0025	0.0543
73	9.8	9.73	3.184	1.8408	-0.0018	5.0229	0.0393	0.0245	-0.0047	0.0591
74	9.88	9.68	3.1845	1.8404	-0.0018	5.0231	0.0414	0.0222	-0.0046	0.0589
75	9.72	9.62	3.1852	1.8403	-0.0018	5.0237	0.0484	0.0228	-0.0059	0.0653
76	9.79	9.56	3.1856	1.84	-0.0018	5.0237	0.0564	0.0265	-0.0077	0.0752
77	9.43	9.51	3.1855	1.84	-0.0019	5.0235	0.0575	0.0232	-0.0091	0.0716
78	9.35	9.51	3.186	1.8402	-0.0018	5.0243	0.0527	0.0215	-0.0081	0.0661
79	9.38	9.51	3.1862	1.8402	-0.0019	5.0245	0.0521	0.0225	-0.006	0.0686
80	9.32	9.48	3.186	1.8404	-0.0018	5.0247	0.0543	0.0237	-0.007	0.0711
81	9.52	9.46	3.1857	1.8408	-0.0017	5.0248	0.0563	0.0291	-0.008	0.0774
82	9.36	9.45	3.1853	1.841	-0.0017	5.0246	0.0564	0.0322	-0.0073	0.0813
83	9.34	9.43	3.185	1.8413	-0.0016	5.0247	0.0551	0.0336	-0.008	0.0807
84	8.85	9.41	3.1851	1.8415	-0.0016	5.025	0.0516	0.0355	-0.0074	0.0796
85	8.98	9.41	3.1851	1.8418	-0.0014	5.0255	0.049	0.0388	-0.0054	0.0824
86	9.23	9.36	3.185	1.8423	-0.0015	5.0258	0.0491	0.0392	-0.0058	0.0826
87	9.38	9.37	3.1855	1.8428	-0.0016	5.0266	0.0454	0.0381	-0.0052	0.0783
88	9.85	9.39	3.1851	1.8427	-0.0019	5.026	0.0424	0.0383	-0.0041	0.0766
89	9.49	9.39	3.1843	1.8426	-0.002	5.0249	0.0451	0.0328	-0.0033	0.0746
90	9.47	9.4	3.1834	1.8424	-0.0022	5.0236	0.0471	0.0278	-0.0009	0.074
91	9.37	9.4	3.1829	1.8422	-0.0023	5.0228	0.0427	0.0289	0.0005	0.0721
92	9.42	9.4	3.1826	1.8422	-0.0024	5.0223	0.0385	0.0366	0.0045	0.0796
93	9.59	9.39	3.1824	1.8415	-0.0025	5.0214	0.0374	0.0357	0.0046	0.0777
94	9.79	9.41	3.1821	1.8405	-0.0026	5.02	0.0382	0.0407	0.004	0.0829
95	8.77	9.41	3.1819	1.8399	-0.0027	5.0191	0.043	0.0437	0.0057	0.0924
96	9.59	9.4	3.1814	1.8392	-0.0029	5.0177	0.055	0.0496	0.012	0.1167
97	9.68	9.39	3.1805	1.8381	-0.0031	5.0156	0.063	0.0533	0.0176	0.1339
98	9.39	9.33	3.1805	1.8373	-0.0028	5.0151	0.0671	0.0573	0.0185	0.1429
99	9.59	9.28	3.1802	1.8368	-0.0025	5.0146	0.073	0.0603	0.0184	0.1517
100	9.39	9.22	3.1798	1.8369	-0.0023	5.0144	0.0807	0.0709	0.0192	0.1708
101	9.35	9.17	3.18	1.8368	-0.0022	5.0146	0.0797	0.0716	0.0194	0.1707
102	9.29	9.12	3.1812	1.8365	-0.0023	5.0154	0.0761	0.0734	0.018	0.1675

103	9.12	9.04	3.1817	1.8365	-0.0022	5.0159	0.071	0.0822	0.0159	0.1691
104	8.97	8.99	3.1814	1.8365	-0.002	5.0159	0.0654	0.0856	0.0127	0.1638
105	9.21	8.98	3.1812	1.8368	-0.0017	5.0163	0.0663	0.0813	0.012	0.1596
106	9.01	8.91	3.1812	1.837	-0.0016	5.0166	0.0604	0.0789	0.0104	0.1496
107	8.74	8.85	3.1812	1.8372	-0.0016	5.0167	0.0508	0.0835	0.0096	0.1439
108	8.5	8.83	3.1812	1.8373	-0.0015	5.017	0.0461	0.0768	0.0122	0.1351
109	8.36	8.8	3.1812	1.8377	-0.0014	5.0175	0.036	0.077	0.0124	0.1254
110	8.48	8.8	3.1816	1.8381	-0.0013	5.0184	0.0375	0.0728	0.0116	0.1218
111	8.43	8.8	3.1819	1.8383	-0.0012	5.019	0.0445	0.0707	0.0129	0.1281
112	8.15	8.82	3.182	1.8389	-0.0011	5.0197	0.0545	0.0714	0.0129	0.1387
113	8.77	8.84	3.1812	1.839	-0.0012	5.0191	0.0645	0.0783	0.0116	0.1543
114	8.61	8.86	3.1804	1.8397	-0.0013	5.0188	0.0758	0.0872	0.01	0.173
115	8.25	8.92	3.1806	1.8399	-0.0013	5.0192	0.0816	0.0882	0.0044	0.1743
116	8.61	9	3.1811	1.8399	-0.0013	5.0197	0.0831	0.0886	0.0024	0.1741
117	8.88	9.08	3.1814	1.8404	-0.0013	5.0205	0.0879	0.0868	0.0026	0.1773
118	9.12	9.15	3.1813	1.8406	-0.0013	5.0206	0.0902	0.0823	0.003	0.1754
119	9.39	9.22	3.1814	1.8406	-0.0013	5.0207	0.0848	0.0835	0.003	0.1713
120	9.27	9.3	3.1815	1.8406	-0.0014	5.0207	0.0826	0.0792	0.0036	0.1653
121	9.63	9.38	3.1817	1.8403	-0.0015	5.0205	0.0761	0.0795	0.0036	0.1592
122	9.61	9.49	3.182	1.8401	-0.0015	5.0205	0.0579	0.076	0.0044	0.1383
123	9.32	9.54	3.1821	1.8399	-0.0016	5.0204	0.0591	0.0755	0.0032	0.1379
124	10.3	9.62	3.1818	1.8397	-0.0015	5.02	0.0615	0.0721	0.002	0.1357
125	10.6	9.73	3.1813	1.839	-0.0016	5.0187	0.0656	0.066	0.0016	0.1332
126	10.2	9.8	3.181	1.8394	-0.0017	5.0186	0.0694	0.066	0.0015	0.1368
127	9.85	9.84	3.1811	1.8393	-0.0019	5.0185	0.0688	0.064	0.002	0.1348
128	9.7	9.89	3.1812	1.8388	-0.002	5.018	0.0639	0.0636	0.0018	0.1292
129	10	9.9	3.1812	1.8383	-0.002	5.0174	0.0629	0.0634	0.0012	0.1276
130	9.98	9.92	3.181	1.8378	-0.0019	5.0168	0.0628	0.0651	0.0012	0.1291
131	10.1	9.91	3.1809	1.8376	-0.0021	5.0164	0.0591	0.0678	0.0005	0.1274
132	9.77	9.87	3.1808	1.8375	-0.002	5.0163	0.0533	0.0692	0.0009	0.1234
133	10.2	9.86	3.181	1.8371	-0.002	5.0161	0.0485	0.0713	-0.0002	0.1195
134	10.4	9.81	3.1808	1.8364	-0.0021	5.0151	0.0449	0.0676	-0.0005	0.1119
135	9.79	9.78	3.1804	1.8359	-0.0021	5.0142	0.0462	0.0693	-0.0006	0.115
136	9.73	9.75	3.1804	1.8359	-0.0021	5.0142	0.0502	0.0727	0.0031	0.126
137	9.99	9.77	3.1808	1.8362	-0.0021	5.0149	0.0494	0.0782	0.0029	0.1305
138	9.69	9.78	3.1809	1.8361	-0.0022	5.0148	0.0483	0.0797	0.0031	0.1311
139	9.66	9.76	3.1808	1.8363	-0.0022	5.0149	0.0399	0.0821	0.0022	0.1242

140	9.33	9.75	3.1809	1.8367	-0.0022	5.0154	0.0311	0.0844	0.0015	0.117
141	8.91	9.75	3.1811	1.8361	-0.0024	5.0148	0.0176	0.0825	0.0004	0.1005
142	9.15	9.78	3.1811	1.8363	-0.0023	5.0151	0.0057	0.0862	-0.0023	0.0896
143	9.37	9.78	3.1812	1.8358	-0.0023	5.0147	0.0005	0.0921	-0.0032	0.0894
144	9.97	9.71	3.1809	1.8358	-0.0023	5.0143	0.0034	0.0921	-0.0058	0.0897
145	9.74	9.68	3.1798	1.8357	-0.0026	5.0129	0.0068	0.0867	-0.0094	0.0841
146	10.2	9.65	3.1792	1.8356	-0.0028	5.012	0.0032	0.0812	-0.0101	0.0743
147	9.82	9.6	3.1789	1.8356	-0.0029	5.0116	-0.0146	0.0764	-0.0102	0.0516
148	9.6	9.56	3.1787	1.8355	-0.0028	5.0114	-0.0318	0.0713	-0.0093	0.0302
149	9.83	9.51	3.1784	1.835	-0.0028	5.0106	-0.036	0.0659	-0.0053	0.0247
150	10.2	9.47	3.1783	1.835	-0.0027	5.0106	-0.0381	0.0596	-0.0024	0.0191
151	10.4	9.45	3.1786	1.8353	-0.0025	5.0114	-0.0408	0.0636	-0.0005	0.0224
152	10	9.42	3.1789	1.8352	-0.0024	5.0117	-0.0376	0.0662	0.0007	0.0293
153	9.16	9.4	3.1788	1.835	-0.0023	5.0115	-0.019	0.0588	0.0021	0.042
154	9.12	9.39	3.1785	1.8349	-0.0023	5.0111	-0.019	0.0637	0.0015	0.0463
155	9.15	9.39	3.1786	1.8351	-0.0023	5.0114	-0.0235	0.0699	0.0023	0.0487
156	9.04	9.34	3.179	1.8348	-0.0024	5.0114	-0.0204	0.081	0.0053	0.066
157	8.93	9.29	3.1792	1.8348	-0.0025	5.0114	-0.0177	0.0844	0.005	0.0717
158	8.79	9.28	3.1793	1.8349	-0.0027	5.0116	-0.0115	0.0831	0.0053	0.0769
159	8.57	9.27	3.1789	1.835	-0.0028	5.0111	-0.0055	0.0807	0.006	0.0812
160	8.55	9.22	3.1784	1.8347	-0.003	5.0101	-0.0065	0.0855	0.0079	0.0868
161	8.54	9.16	3.1778	1.8344	-0.003	5.0092	-0.0006	0.0876	0.0108	0.0978
162	9.04	9.1	3.1774	1.8337	-0.0028	5.0083	-0.0027	0.09	0.0138	0.1011
163	9.81	9.07	3.1767	1.833	-0.0027	5.0071	-0.0025	0.0895	0.0161	0.1031
164	9.69	9.02	3.1765	1.833	-0.0021	5.0073	-0.007	0.095	0.0168	0.1048
165	9.26	8.99	3.1763	1.8331	-0.0019	5.0076	-0.0147	0.1058	0.015	0.1061
166	8.86	8.99	3.1759	1.8332	-0.0019	5.0072	-0.0097	0.1103	0.0138	0.1144
167	9.36	9.01	3.1756	1.8331	-0.0019	5.0068	-0.0023	0.1142	0.011	0.1228
168	9.59	9.05	3.1756	1.8331	-0.0019	5.0068	0.0041	0.1234	0.01	0.1375
169	9.25	9.11	3.1757	1.8332	-0.002	5.0069	0.0087	0.1223	0.01	0.141
170	9.25	9.2	3.176	1.8329	-0.0021	5.0068	0.0114	0.1158	0.01	0.1372
171	9.01	9.29	3.1775	1.8331	-0.0022	5.0084	0.0125	0.11	0.0095	0.132
172	8.54	9.3	3.1776	1.8331	-0.0021	5.0087	0.0146	0.109	0.0101	0.1337
173	8.18	9.27	3.1778	1.8335	-0.002	5.0094	0.0129	0.1109	0.0122	0.1359
174	8.61	9.26	3.1779	1.8338	-0.002	5.0097	0.016	0.1075	0.0125	0.136
175	9.01	9.29	3.1783	1.8337	-0.0019	5.01	0.0178	0.1058	0.0149	0.1384
176	9.29	9.35	3.1787	1.8336	-0.002	5.0103	0.0162	0.1037	0.0128	0.1327

177	9.61	9.36	3.1791	1.8336	-0.0021	5.0106	0.0143	0.1084	0.0106	0.1334
178	9.64	9.36	3.1797	1.8338	-0.0019	5.0115	0.0155	0.1105	0.0071	0.133
179	10.2	9.37	3.1799	1.8337	-0.002	5.0116	0.0129	0.1107	0.0034	0.1271
180	10.3	9.36	3.1801	1.8337	-0.0018	5.0119	0.0126	0.1098	0.0021	0.1245
181	9.2	9.38	3.1804	1.8338	-0.0018	5.0125	0.0077	0.1041	0.0038	0.1156
182	9.17	9.42	3.1804	1.8339	-0.0017	5.0127	0.0029	0.099	0.0023	0.1042
183	9.58	9.47	3.1805	1.8346	-0.0016	5.0135	0.0008	0.0972	0.0032	0.1012
184	9.85	9.5	3.1805	1.8346	-0.0015	5.0135	0.0028	0.0924	0.0042	0.0994
185	10	9.53	3.1801	1.8345	-0.0017	5.0129	0.006	0.0814	0.0036	0.091
186	9.47	9.56	3.18	1.8345	-0.0018	5.0127	0.0064	0.0745	0.0035	0.0844
187	9.66	9.56	3.1806	1.8348	-0.002	5.0135	0.0032	0.0728	0.0052	0.0812
188	9.31	9.58	3.1811	1.8345	-0.0021	5.0136	0.0017	0.0741	0.006	0.0818
189	9.15	9.56	3.1812	1.8342	-0.0022	5.0132	-0.0005	0.072	0.0062	0.0778
190	9.28	9.58	3.1816	1.8341	-0.0022	5.0136	-0.0045	0.0778	0.0069	0.0803
191	9.33	9.65	3.1823	1.8336	-0.0021	5.0138	-0.0021	0.0824	0.0079	0.0883
192	9.07	9.68	3.1825	1.8329	-0.0021	5.0134	0.0029	0.079	0.004	0.0858
193	9.36	9.67	3.1821	1.8323	-0.0019	5.0124	0.0042	0.0827	0.0032	0.0902
194	9.58	9.69	3.1814	1.8318	-0.0017	5.0116	0.0056	0.0789	0.004	0.0884
195	9.79	9.68	3.1816	1.8318	-0.0017	5.0117	0.0017	0.0778	0.0036	0.083
196	9.64	9.66	3.1829	1.8316	-0.0019	5.0125	-0.0093	0.0808	-0.0001	0.0714
197	9.89	9.63	3.1837	1.831	-0.0021	5.0126	-0.0173	0.0793	-0.003	0.059
198	10	9.64	3.1841	1.8308	-0.0023	5.0126	-0.0256	0.0846	-0.0028	0.0562
199	10.7	9.66	3.184	1.8308	-0.0022	5.0127	-0.0312	0.0851	-0.0006	0.0532
200	10.4	9.68	3.1839	1.8306	-0.0023	5.0122	-0.0321	0.0831	-0.001	0.0501
201	9.74	9.7	3.1838	1.8302	-0.0023	5.0117	-0.0268	0.0856	0	0.0587
202	9.5	9.75	3.1831	1.8306	-0.0025	5.0113	-0.0214	0.0869	0.0038	0.0693
203	10.2	9.75	3.1836	1.8301	-0.0024	5.0113	-0.0137	0.0861	0.0036	0.076
204	9.79	9.75	3.1838	1.8295	-0.0022	5.011	-0.0108	0.0854	0.0034	0.078
205	9.12	9.72	3.1832	1.8287	-0.0022	5.0097	-0.0152	0.0898	0.0035	0.0781
206	9.2	9.69	3.1829	1.8286	-0.0021	5.0094	-0.0248	0.0974	0.0019	0.0745
207	9.47	9.64	3.1823	1.8288	-0.0021	5.0091	-0.0324	0.0974	-0.0002	0.0648
208	9.41	9.59	3.1818	1.8293	-0.0021	5.0089	-0.0409	0.1006	-0.003	0.0567
209	9.67	9.53	3.1819	1.8291	-0.0022	5.0088	-0.0424	0.108	-0.0047	0.0608
210	9.81	9.51	3.1816	1.8293	-0.0024	5.0086	-0.044	0.1079	-0.0058	0.058
211	10.1	9.52	3.1822	1.8293	-0.0026	5.0088	-0.0511	0.108	-0.0081	0.0489
212	9.34	9.55	3.1823	1.8299	-0.0027	5.0094	-0.0592	0.1042	-0.0099	0.0352
213	9.47	9.51	3.1819	1.8295	-0.0029	5.0086	-0.0585	0.0982	-0.0083	0.0314

214	9.21	9.53	3.1819	1.8291	-0.0028	5.0082	-0.065	0.0858	-0.0068	0.014
215	9.11	9.57	3.1816	1.8289	-0.0027	5.0078	-0.0733	0.083	0	0.0098
216	9	9.62	3.1813	1.8284	-0.0024	5.0074	-0.0796	0.0884	0.0041	0.0129
217	8.97	9.62	3.181	1.8281	-0.0023	5.0067	-0.0847	0.0909	0.0051	0.0114
218	9.56	9.62	3.1804	1.8284	-0.0023	5.0066	-0.0885	0.0892	0.0042	0.0049
219	10.1	9.6	3.1802	1.8291	-0.0023	5.007	-0.0835	0.0889	0.0031	0.0085
220	9.91	9.58	3.1803	1.8296	-0.0024	5.0075	-0.079	0.0929	0.0002	0.0141
221	10	9.54	3.1802	1.8294	-0.0025	5.0071	-0.0703	0.0856	0.0009	0.0162
222	9.58	9.56	3.1807	1.829	-0.0027	5.007	-0.0502	0.0838	-0.0016	0.032
223	10.1	9.56	3.1805	1.8292	-0.0029	5.0068	-0.0497	0.083	-0.0028	0.0306
224	9.91	9.58	3.1801	1.8291	-0.003	5.0062	-0.0469	0.088	-0.002	0.0391
225	10.1	9.61	3.1797	1.8286	-0.0029	5.0054	-0.0446	0.0941	-0.0016	0.0479
226	9.55	9.65	3.1796	1.8285	-0.0028	5.0053	-0.0378	0.0934	-0.0015	0.0541
227	9.4	9.69	3.1795	1.8282	-0.0026	5.0051	-0.0281	0.0845	-0.002	0.0544
228	9.19	9.73	3.1799	1.8277	-0.0023	5.0053	-0.0198	0.0809	-0.0027	0.0585
229	9.6	9.72	3.1799	1.8273	-0.0022	5.005	-0.0133	0.0796	-0.0004	0.0659
230	9.25	9.73	3.1802	1.8273	-0.0023	5.0052	-0.0113	0.0748	-0.0031	0.0604
231	9.6	9.69	3.1806	1.8277	-0.0023	5.006	-0.0122	0.0696	-0.0032	0.0543
232	9.47	9.74	3.1807	1.8277	-0.0023	5.0061	-0.0112	0.0678	-0.0045	0.0522
233	9.73	9.74	3.1807	1.8279	-0.0024	5.0061	-0.0154	0.0625	-0.0052	0.042
234	9.67	9.75	3.1802	1.8283	-0.0025	5.006	-0.0157	0.0675	-0.0042	0.0477
235	9.62	9.73	3.1798	1.8284	-0.0024	5.0057	-0.0159	0.0708	-0.0028	0.0521
236	9.8	9.75	3.1801	1.8287	-0.0026	5.0061	-0.0209	0.0699	-0.0034	0.0456
237	10.3	9.79	3.1806	1.8288	-0.0027	5.0067	-0.0241	0.0718	-0.0048	0.0428
238	9.96	9.83	3.1809	1.8289	-0.0028	5.007	-0.0151	0.0789	-0.0065	0.0572
239	10.1	9.86	3.1813	1.8285	-0.0029	5.0069	-0.0067	0.0787	-0.0068	0.0652
240	9.33	9.92	3.1811	1.8284	-0.003	5.0065	-0.0086	0.0799	-0.0068	0.0644
241	10.4	9.94	3.1808	1.8282	-0.0028	5.0063	-0.0026	0.0784	-0.0052	0.0706
242	10.1	9.96	3.1807	1.8281	-0.0026	5.0061	0.001	0.0742	-0.001	0.0743
243	10	9.98	3.1806	1.828	-0.0027	5.0059	0.0012	0.0692	0.0008	0.0712
244	9.78	10	3.1807	1.828	-0.0027	5.006	0.0004	0.0684	0.003	0.0719
245	9.99	10	3.1807	1.8276	-0.0026	5.0058	-0.0075	0.0772	0.0064	0.0761
246	10.1	10	3.1809	1.8277	-0.0025	5.0061	-0.0129	0.0862	0.006	0.0793
247	9.91	10	3.1815	1.8271	-0.0026	5.006	-0.0099	0.0941	0.0038	0.088
248	10.2	9.99	3.1819	1.827	-0.0028	5.006	-0.0136	0.0975	-0.0013	0.0826
249	10.5	10	3.1816	1.8267	-0.0027	5.0056	-0.0051	0.1034	-0.0071	0.0913
250	9.85	10.1	3.181	1.8265	-0.0027	5.0047	-0.0124	0.1095	-0.0103	0.0868

251	9.93	10	3.1807	1.8267	-0.0029	5.0045	-0.0271	0.1054	-0.0123	0.066
252	10.1	10	3.1803	1.8266	-0.0027	5.0041	-0.0333	0.1028	-0.013	0.0565
253	10.1	10.1	3.1799	1.8264	-0.0026	5.0037	-0.0437	0.1086	-0.0144	0.0505
254	10.2	10.1	3.18	1.8259	-0.0027	5.0033	-0.0375	0.1074	-0.012	0.0579
255	9.55	10.1	3.181	1.8254	-0.0025	5.0039	-0.0239	0.1026	-0.0089	0.0699
256	9.99	10.1	3.1822	1.8251	-0.0023	5.0049	-0.027	0.0991	-0.0066	0.0655
257	9.77	10.1	3.1833	1.8247	-0.0022	5.0057	-0.0359	0.099	-0.005	0.0581
258	10.8	10	3.1836	1.8241	-0.0022	5.0055	-0.0438	0.0989	-0.004	0.0511
259	9.72	9.99	3.1833	1.8242	-0.0022	5.0054	-0.0461	0.1034	-0.002	0.0553
260	10.1	9.94	3.1835	1.8239	-0.0022	5.0052	-0.0397	0.106	-0.0028	0.0635
261	10.2	9.89	3.1837	1.824	-0.002	5.0057	-0.0284	0.1097	-0.0054	0.0759
262	10.5	9.86	3.1832	1.8239	-0.002	5.0052	-0.0133	0.1094	-0.0083	0.0879
263	10.3	9.84	3.1832	1.8244	-0.002	5.0057	-0.0022	0.1166	-0.0073	0.1071
264	10.1	9.84	3.1838	1.8247	-0.0021	5.0063	0.0026	0.1124	-0.0072	0.1078
265	10.1	9.89	3.1843	1.8243	-0.0023	5.0063	0.0068	0.1108	-0.004	0.1136
266	9.78	9.9	3.1844	1.8241	-0.0024	5.0061	0.0022	0.1149	0.0006	0.1177
267	9.27	9.93	3.1845	1.8241	-0.0023	5.0063	-0.0077	0.119	0.0058	0.1172
268	9.55	9.9	3.1839	1.8242	-0.0022	5.006	-0.0205	0.1284	0.011	0.1189
269	8.79	9.93	3.1836	1.8239	-0.002	5.0054	-0.0374	0.1452	0.0119	0.1197
270	8.91	9.93	3.183	1.8243	-0.0022	5.0051	-0.0468	0.1688	0.0108	0.1327
271	9.5	9.94	3.1825	1.8247	-0.002	5.0052	-0.0478	0.1874	0.0085	0.1481
272	9.73	9.93	3.1826	1.8248	-0.0018	5.0056	-0.0516	0.1938	0.0051	0.1473
273	10.2	9.93	3.1825	1.8247	-0.0018	5.0055	-0.0452	0.1978	0.0018	0.1545
274	10.5	9.95	3.1824	1.8243	-0.0018	5.0049	-0.0476	0.2031	0.0005	0.156
275	10.3	9.94	3.1821	1.8243	-0.0018	5.0046	-0.0581	0.2056	-0.0024	0.1451
276	10.3	9.96	3.1815	1.8251	-0.0018	5.0048	-0.0688	0.204	-0.0012	0.134
277	10.2	10	3.1811	1.8255	-0.0018	5.0048	-0.0738	0.2073	0.0009	0.1344
278	10.3	10	3.181	1.8258	-0.0019	5.0049	-0.0788	0.2078	0.0021	0.131
279	10.2	10.1	3.181	1.8262	-0.0017	5.0055	-0.08	0.2102	0.0054	0.1357
280	10.3	10.1	3.1813	1.8267	-0.0015	5.0065	-0.078	0.2086	0.0059	0.1365
281	10.4	10.2	3.1815	1.8271	-0.0013	5.0072	-0.0717	0.2122	0.0056	0.1461
282	10.4	10.2	3.182	1.8277	-0.0012	5.0085	-0.066	0.2214	0.007	0.1623
283	10.5	10.2	3.1821	1.8278	-0.0012	5.0087	-0.0654	0.227	0.0052	0.1668
284	9.92	10.2	3.1821	1.8275	-0.0013	5.0083	-0.0694	0.2336	0.0033	0.1675
285	10.2	10.2	3.1822	1.8275	-0.0014	5.0083	-0.0743	0.2385	0.002	0.1661
286	10.3	10.2	3.1824	1.8273	-0.0013	5.0084	-0.0747	0.2419	0.0007	0.1679
287	9.96	10.2	3.1821	1.8269	-0.0013	5.0077	-0.0682	0.2486	-0.003	0.1774

288	9.65	10.3	3.1818	1.8266	-0.0014	5.007	-0.0642	0.2484	-0.004	0.1803
289	9.9	10.3	3.1821	1.8262	-0.0015	5.0067	-0.0587	0.2461	-0.0047	0.1828
290	10.1	10.4	3.1819	1.8263	-0.0017	5.0065	-0.0578	0.2435	-0.0049	0.1808
291	10.6	10.5	3.1822	1.8262	-0.002	5.0064	-0.0638	0.2436	-0.0053	0.1746
292	10.6	10.6	3.1824	1.826	-0.0022	5.0063	-0.0611	0.2417	-0.0013	0.1794
293	10.3	10.6	3.182	1.8254	-0.0022	5.0052	-0.0582	0.2423	0.0002	0.1843
294	10.4	10.7	3.1822	1.8241	-0.0023	5.004	-0.0587	0.2427	-0.0016	0.1824
295	9.94	10.8	3.1828	1.8232	-0.0023	5.0037	-0.0558	0.2483	-0.0005	0.1919
296	10.5	10.8	3.1838	1.8222	-0.0023	5.0038	-0.0517	0.2436	0.0011	0.193
297	11.1	11	3.1851	1.8213	-0.002	5.0043	-0.0463	0.2442	0.002	0.2
298	11.5	11.1	3.1846	1.8204	-0.0016	5.0035	-0.0233	0.2388	0.0013	0.2168
299	11.7	11.1	3.1853	1.8199	-0.0012	5.004	-0.0148	0.2334	0.0003	0.2189
300	11.9	11.2	3.1866	1.82	-0.0011	5.0056	-0.0134	0.2276	0.0012	0.2154
301	11.9	11.3	3.1871	1.8199	-0.001	5.006	-0.0178	0.2278	0.0015	0.2115
302	11.5	11.4	3.1875	1.8198	-0.001	5.0062	-0.0161	0.2323	-0.0004	0.2159
303	11.6	11.5	3.1873	1.8193	-0.0012	5.0055	-0.0146	0.2349	0.001	0.2212
304	11.9	11.6	3.1861	1.8192	-0.0013	5.004	-0.015	0.2353	0.0016	0.2219
305	11.2	11.8	3.1859	1.8188	-0.0016	5.0031	-0.0139	0.2324	0.0022	0.2208
306	12	11.9	3.1865	1.8187	-0.0016	5.0036	-0.0061	0.2282	0.0015	0.2235
307	12.1	12	3.1867	1.819	-0.0017	5.0039	-0.0029	0.2328	0.0017	0.2317
308	11.1	12	3.1864	1.8189	-0.0019	5.0034	0.0067	0.2336	0.0027	0.243
309	11.5	12.2	3.1858	1.8185	-0.0019	5.0024	0.0124	0.2259	0.002	0.2403
310	11.8	12.3	3.1845	1.8184	-0.0018	5.001	0.005	0.2295	0.0016	0.236
311	12.6	12.4	3.1835	1.8183	-0.0018	5.0001	0.0061	0.2296	-0.0004	0.2353
312	12.6	12.6	3.1825	1.8183	-0.002	4.9987	0.014	0.2291	-0.0004	0.2427
313	12.8	12.7	3.1817	1.8183	-0.0022	4.9978	0.0078	0.231	-0.0028	0.236
314	12.3	12.9	3.1812	1.818	-0.0024	4.9968	0.008	0.2338	-0.0048	0.2371
315	12.6	13.2	3.1813	1.8174	-0.0027	4.996	0.0127	0.2304	-0.0043	0.2387
316	13	13.4	3.1821	1.8165	-0.003	4.9957	0.0124	0.2265	-0.0021	0.2368
317	13	13.7	3.183	1.8153	-0.0034	4.9949	0.0004	0.229	-0.0037	0.2258
318	14.3	13.9	3.1842	1.8139	-0.0035	4.9946	-0.0073	0.2278	-0.0042	0.2163
319	14.5	14.1	3.1849	1.8122	-0.0034	4.9937	-0.0149	0.2278	-0.0041	0.2088
320	13.8	14.3	3.1851	1.8109	-0.0032	4.9927	-0.0112	0.2217	-0.0016	0.209
321	14.2	14.5	3.1854	1.81	-0.003	4.9924	-0.0071	0.2195	-0.0019	0.2105
322	14.9	14.6	3.1852	1.8092	-0.0029	4.9915	-0.0075	0.2179	-0.0008	0.2096
323	15.6	14.7	3.1853	1.8089	-0.0029	4.9913	0.0059	0.2176	0.0021	0.2256
324	16.3	14.9	3.1859	1.8086	-0.0028	4.9917	0.0152	0.2194	0.0043	0.2388

325	16.4	15	3.1866	1.8082	-0.0028	4.992	0.0221	0.2148	0.0064	0.2433
326	16.5	15.1	3.187	1.8078	-0.0029	4.9919	0.0264	0.212	0.0086	0.247
327	16.2	15.1	3.1874	1.8074	-0.0028	4.992	0.0286	0.2232	0.0099	0.2617
328	15.5	15	3.1879	1.8067	-0.0029	4.9917	0.0285	0.2267	0.009	0.2643
329	15.4	14.9	3.1877	1.8064	-0.0028	4.9913	0.0226	0.2326	0.0092	0.2644
330	15.1	14.8	3.1874	1.8061	-0.0029	4.9906	0.0189	0.2432	0.0132	0.2752
331	15	14.7	3.1872	1.8055	-0.003	4.9897	0.0196	0.2528	0.0152	0.2876
332	15.7	14.5	3.1873	1.805	-0.0028	4.9895	0.0214	0.2628	0.017	0.3012
333	15.6	14.3	3.1877	1.8045	-0.0028	4.9894	0.0271	0.2773	0.0174	0.3217
334	14.3	14.1	3.1877	1.8044	-0.0027	4.9894	0.0238	0.2861	0.0143	0.3242
335	13.8	13.8	3.1873	1.8042	-0.0025	4.989	0.015	0.287	0.0117	0.3137
336	13.9	13.5	3.1869	1.8038	-0.0023	4.9884	0.0073	0.2866	0.0095	0.3034
337	12.5	13.3	3.187	1.804	-0.0023	4.9887	0.0004	0.2908	0.0089	0.3001
338	12	13	3.1868	1.8042	-0.0023	4.9887	-0.0166	0.2844	0.01	0.2778
339	12.5	12.8	3.1871	1.8041	-0.0024	4.9888	-0.0192	0.2856	0.0088	0.2753
340	11.9	12.6	3.1875	1.8041	-0.0025	4.9891	-0.0194	0.2869	0.0065	0.2739
341	11.9	12.4	3.1869	1.8041	-0.0026	4.9883	-0.0262	0.2908	0.0026	0.2673
342	11.4	12.1	3.1865	1.8038	-0.0026	4.9877	-0.0284	0.2917	-0.0012	0.2621
343	11.5	11.8	3.1865	1.8037	-0.0025	4.9877	-0.0314	0.2927	0	0.2613
344	11.7	11.6	3.1863	1.8031	-0.0026	4.9868	-0.0347	0.2867	0.0003	0.2523
345	11.1	11.5	3.1859	1.8033	-0.0027	4.9865	-0.0398	0.2749	-0.0003	0.2349
346	10.9	11.3	3.1855	1.8033	-0.0027	4.9861	-0.038	0.2654	0.0008	0.2282
347	11.3	11.2	3.1838	1.8033	-0.0027	4.9843	-0.0406	0.2592	0.001	0.2197
348	10.5	11.1	3.1833	1.8036	-0.0028	4.9842	-0.0344	0.2502	0.0049	0.2207
349	11.6	11	3.183	1.8039	-0.0028	4.984	-0.0449	0.2403	0.0094	0.2048
350	10.9	10.9	3.1828	1.8037	-0.0029	4.9836	-0.0404	0.2319	0.015	0.2065
351	10.6	10.8	3.1823	1.8034	-0.0028	4.9829	-0.0308	0.2327	0.0193	0.2211
352	10.4	10.8	3.1817	1.8031	-0.0028	4.982	-0.0265	0.2349	0.0208	0.2292
353	10.5	10.7	3.1814	1.8029	-0.0028	4.9815	-0.024	0.2406	0.0215	0.2381
354	10.5	10.6	3.1814	1.8027	-0.0029	4.9812	-0.0258	0.2427	0.0204	0.2373
355	10.8	10.5	3.1817	1.8026	-0.0026	4.9816	-0.0362	0.2465	0.02	0.2303
356	10.6	10.5	3.1825	1.8018	-0.0025	4.9817	-0.0376	0.2511	0.0207	0.2342
357	10.7	10.4	3.1826	1.8014	-0.0025	4.9815	-0.0273	0.2546	0.021	0.2483
358	10.6	10.4	3.1824	1.8015	-0.0024	4.9815	-0.0193	0.2657	0.0181	0.2645
359	9.93	10.3	3.1828	1.8013	-0.0024	4.9818	-0.0166	0.2697	0.014	0.2671
360	9.69	10.3	3.1829	1.8009	-0.0021	4.9817	-0.026	0.2656	0.0143	0.254
361	10.3	10.3	3.1823	1.8011	-0.002	4.9814	-0.0379	0.2598	0.0171	0.239

362	9.96	10.3	3.1825	1.8008	-0.0017	4.9816	-0.0521	0.2624	0.0185	0.2288
363	9.67	10.3	3.1824	1.8011	-0.0015	4.982	-0.0637	0.2639	0.0146	0.2148
364	10.3	10.3	3.1825	1.8016	-0.0017	4.9824	-0.0735	0.2656	0.0124	0.2045
365	10.6	10.3	3.183	1.8017	-0.0021	4.9826	-0.0804	0.2653	0.0113	0.1962
366	10.2	10.3	3.1843	1.8012	-0.002	4.9835	-0.0835	0.2619	0.0094	0.1878
367	9.87	10.3	3.1852	1.8014	-0.0019	4.9847	-0.0812	0.2547	0.0072	0.1808
368	10.1	10.3	3.1854	1.8015	-0.0018	4.9851	-0.0759	0.2497	0.002	0.1758
369	10.4	10.3	3.1847	1.8017	-0.0018	4.9845	-0.0675	0.2437	-0.002	0.1741
370	9.89	10.4	3.1837	1.8024	-0.002	4.9841	-0.0658	0.2304	-0.003	0.1616
371	10.3	10.4	3.1833	1.8029	-0.002	4.9842	-0.064	0.2175	-0.0032	0.1503
372	10.6	10.4	3.182	1.8031	-0.002	4.9831	-0.0625	0.2056	-0.0028	0.1402
373	10.7	10.4	3.181	1.8028	-0.0022	4.9816	-0.0625	0.1931	-0.0019	0.1287
374	10.9	10.5	3.1802	1.8029	-0.0024	4.9806	-0.0603	0.1884	-0.003	0.1251
375	10.9	10.4	3.1794	1.8031	-0.0027	4.9799	-0.0521	0.1903	-0.0016	0.1367
376	10.6	10.4	3.1787	1.8028	-0.0028	4.9787	-0.0434	0.1866	-0.0018	0.1414
377	10.7	10.5	3.1782	1.8028	-0.0027	4.9784	-0.0367	0.1813	-0.0021	0.1425
378	10.4	10.5	3.1787	1.8026	-0.0028	4.9785	-0.0234	0.1816	0.0009	0.1591
379	10.9	10.5	3.1791	1.8019	-0.003	4.978	-0.0127	0.1766	0.0012	0.1651
380	10.8	10.6	3.1794	1.8014	-0.003	4.9778	-0.0011	0.1747	0.0029	0.1764
381	10.1	10.6	3.1794	1.8008	-0.003	4.9771	0.0014	0.1768	0.0011	0.1793
382	10.1	10.5	3.1793	1.7999	-0.0029	4.9763	0.0068	0.171	-0.0007	0.1772
383	10.5	10.5	3.1797	1.7992	-0.0026	4.9763	0.0123	0.1677	0.0012	0.1811
384	10	10.4	3.1806	1.7988	-0.0024	4.9769	0.0206	0.1604	0.0014	0.1823
385	10.7	10.4	3.1814	1.7988	-0.0023	4.978	0.0232	0.1549	0.0024	0.1805
386	10.8	10.4	3.1824	1.7982	-0.0022	4.9784	0.0176	0.1501	0.0038	0.1716
387	10.7	10.3	3.1838	1.7984	-0.0023	4.9799	0.0133	0.1446	0.0074	0.1653
388	10.4	10.3	3.1837	1.7981	-0.0023	4.9795	0.0149	0.1478	0.0107	0.1734
389	10.4	10.3	3.184	1.7975	-0.0022	4.9793	0.0151	0.1519	0.0109	0.1779
390	10.4	10.3	3.1845	1.7972	-0.0019	4.9798	0.0134	0.1584	0.0129	0.1847
391	10.2	10.3	3.1851	1.797	-0.0019	4.9802	0.0251	0.1658	0.0113	0.2021
392	9.96	10.3	3.1855	1.7968	-0.0022	4.9801	0.0212	0.1723	0.009	0.2025
393	9.79	10.3	3.1855	1.7968	-0.0022	4.98	0.0176	0.1729	0.0075	0.1981
394	9.71	10.3	3.1862	1.7966	-0.0023	4.9805	0.0146	0.1738	0.0101	0.1985
395	10.1	10.3	3.1866	1.7966	-0.0024	4.9809	0.0069	0.1715	0.01	0.1884
396	10.5	10.3	3.1879	1.7963	-0.0024	4.9818	-0.0033	0.1726	0.0076	0.1769
397	10.4	10.3	3.1885	1.7963	-0.0025	4.9823	-0.0065	0.1698	0.007	0.1703
398	10.4	10.3	3.1891	1.7964	-0.0025	4.983	-0.024	0.17	0.007	0.1529

399	10.2	10.3	3.1893	1.7967	-0.0027	4.9833	-0.0315	0.1697	0.0041	0.1423
400	10.2	10.4	3.1897	1.7968	-0.003	4.9835	-0.0396	0.1746	0.0057	0.1406
401	10.3	10.4	3.1898	1.7964	-0.0031	4.9831	-0.0435	0.1725	0.0045	0.1335
402	10.7	10.4	3.1899	1.7957	-0.0032	4.9824	-0.0486	0.1635	0.0056	0.1205
403	10.6	10.5	3.1899	1.7951	-0.0032	4.9818	-0.0539	0.1545	0.0044	0.105
404	10.4	10.5	3.1898	1.7945	-0.0033	4.981	-0.0522	0.1493	0.002	0.0992
405	10.5	10.5	3.1897	1.7937	-0.0036	4.9797	-0.0447	0.1427	0.0002	0.0982
406	10.2	10.6	3.1893	1.7932	-0.0037	4.9788	-0.0332	0.1339	0.0019	0.1027
407	10.7	10.6	3.1886	1.7924	-0.0035	4.9775	-0.0199	0.1232	0.0038	0.1071
408	10.2	10.6	3.188	1.7919	-0.0033	4.9767	-0.019	0.1218	0.0049	0.1077
409	11.6	10.6	3.1884	1.7919	-0.0033	4.9771	-0.0254	0.1219	0.007	0.1034
410	10.8	10.6	3.1883	1.7924	-0.0036	4.9771	-0.0142	0.1181	0.0074	0.1114
411	10.8	10.5	3.1887	1.7921	-0.0036	4.9772	-0.0027	0.1099	0.01	0.1173
412	10.8	10.5	3.1888	1.7919	-0.0035	4.9773	-0.004	0.1139	0.014	0.1238
413	10.6	10.4	3.189	1.7918	-0.0034	4.9774	-0.0031	0.1154	0.0181	0.1304
414	10.5	10.4	3.1892	1.7915	-0.0035	4.9772	-0.0049	0.125	0.0209	0.141
415	10.9	10.3	3.1897	1.7912	-0.0037	4.9772	-0.0066	0.1366	0.0198	0.1498
416	10.5	10.3	3.1902	1.7911	-0.0037	4.9776	-0.0058	0.1447	0.0158	0.1548
417	10.8	10.3	3.1906	1.7903	-0.0036	4.9773	0.0085	0.1438	0.0144	0.1667
418	9.93	10.2	3.1909	1.7895	-0.0033	4.9772	0.0122	0.1503	0.0125	0.1749
419	9.84	10.1	3.1915	1.7891	-0.0031	4.9775	0.0086	0.1484	0.0121	0.169
420	9.73	10	3.1915	1.7891	-0.0029	4.9777	-0.0032	0.1534	0.0116	0.1618
421	9.68	9.97	3.1916	1.7895	-0.0027	4.9784	-0.0198	0.1606	0.0123	0.1531
422	9.5	9.9	3.1915	1.7899	-0.0027	4.9786	-0.0332	0.1629	0.0147	0.1444
423	9.34	9.87	3.1913	1.7901	-0.0026	4.9787	-0.0517	0.1633	0.0146	0.1262
424	9.73	9.83	3.1911	1.7895	-0.0026	4.978	-0.0676	0.1623	0.0105	0.1052
425	10.1	9.76	3.1909	1.7895	-0.0026	4.9779	-0.0746	0.1637	0.0061	0.0952
426	10	9.7	3.1906	1.7897	-0.0027	4.9776	-0.0792	0.1602	0.0028	0.0838
427	9.15	9.65	3.1898	1.7893	-0.0029	4.9761	-0.0847	0.1541	0.0004	0.0698
428	9.06	9.66	3.1892	1.7891	-0.003	4.9752	-0.085	0.1574	0.0026	0.0749
429	9.51	9.67	3.1878	1.789	-0.0031	4.9737	-0.0698	0.1553	0.0036	0.0891
430	9.78	9.7	3.1872	1.7885	-0.003	4.9727	-0.0646	0.1541	0.002	0.0915
431	9.39	9.71	3.1865	1.7884	-0.0029	4.972	-0.0543	0.1416	0.001	0.0883
432	10	9.71	3.186	1.7883	-0.003	4.9713	-0.0503	0.1362	0.0006	0.0865
433	9.81	9.72	3.1856	1.7885	-0.0029	4.9712	-0.0428	0.1277	0.002	0.0869
434	9.58	9.7	3.1853	1.7889	-0.0029	4.9714	-0.041	0.1209	0.0063	0.0862
435	9.39	9.68	3.1855	1.7892	-0.0029	4.9718	-0.0449	0.1253	0.0102	0.0905

436	9.83	9.66	3.1856	1.7893	-0.0031	4.9719	-0.0549	0.1365	0.0106	0.0922
437	10.1	9.69	3.1855	1.7892	-0.0034	4.9713	-0.0581	0.1344	0.0109	0.0872
438	10.1	9.75	3.1853	1.789	-0.0034	4.9709	-0.0533	0.1378	0.01	0.0945
439	10.1	9.74	3.1857	1.7883	-0.0037	4.9703	-0.0621	0.1352	0.0083	0.0814
440	9.97	9.76	3.185	1.7875	-0.0036	4.9689	-0.0629	0.1284	0.0094	0.0749
441	9.4	9.79	3.1848	1.7868	-0.0035	4.9681	-0.0546	0.129	0.0115	0.086
442	9.53	9.78	3.1847	1.7866	-0.0034	4.9679	-0.0448	0.1308	0.0113	0.0974
443	9.49	9.79	3.185	1.7863	-0.0035	4.9678	-0.048	0.1307	0.0097	0.0924
444	9.57	9.81	3.1856	1.786	-0.0036	4.9679	-0.0486	0.1311	0.0093	0.0917
445	9.71	9.84	3.1862	1.786	-0.0035	4.9688	-0.0394	0.1324	0.0083	0.1013
446	9.85	9.85	3.1862	1.7863	-0.0034	4.9691	-0.0361	0.1328	0.0072	0.1038
447	10.2	9.84	3.1862	1.7863	-0.0034	4.9691	-0.0262	0.1289	0.0057	0.1085
448	9.28	9.84	3.1865	1.7866	-0.0032	4.9699	-0.0173	0.1305	0.0054	0.1186
449	10.1	9.79	3.1869	1.7864	-0.0034	4.97	-0.0099	0.1315	0.01	0.1316
450	9.99	9.81	3.1871	1.7864	-0.0033	4.9702	-0.0052	0.139	0.0101	0.1438
451	9.82	9.8	3.1872	1.7871	-0.0034	4.9709	0.011	0.1431	0.005	0.1591
452	9.98	9.83	3.1871	1.7877	-0.0033	4.9715	0.0131	0.1428	0.003	0.159
453	9.84	9.87	3.1866	1.788	-0.003	4.9716	0.0063	0.141	0.0001	0.1474
454	9.96	9.88	3.1858	1.7884	-0.0029	4.9714	-0.0033	0.1408	-0.0042	0.1333
455	10.1	9.87	3.185	1.7892	-0.0028	4.9713	-0.0033	0.1357	-0.0084	0.124
456	9.93	9.85	3.1845	1.7895	-0.0029	4.971	0.0035	0.1256	-0.0103	0.1188
457	10	9.83	3.1845	1.7892	-0.003	4.9707	0.0098	0.1178	-0.01	0.1175
458	9.29	9.86	3.1849	1.7893	-0.0031	4.9711	0.0108	0.1037	-0.0067	0.1079
459	10.3	9.89	3.1842	1.7895	-0.0031	4.9706	0.003	0.0971	-0.0016	0.0986
460	9.3	9.93	3.1832	1.7899	-0.0031	4.97	0.01	0.097	0.0014	0.1084
461	10	9.96	3.1827	1.7897	-0.0034	4.969	0.0126	0.1032	0.0015	0.1173
462	10.3	9.98	3.1828	1.7893	-0.0035	4.9685	0.0172	0.1037	-0.0005	0.1204
463	9.72	10	3.1829	1.7886	-0.0036	4.9679	0.0056	0.1059	-0.0007	0.1108
464	9.47	10	3.1832	1.788	-0.0037	4.9674	0.0017	0.1046	-0.001	0.1052
465	9.46	10.1	3.1836	1.7872	-0.0036	4.9672	-0.0001	0.1041	-0.0019	0.1021
466	9.72	10.1	3.1835	1.7868	-0.0034	4.9668	0.0043	0.1058	-0.0018	0.1082
467	9.89	10.1	3.184	1.7863	-0.0031	4.9672	0.0086	0.107	-0.0004	0.1152
468	10.8	10.1	3.1846	1.7866	-0.003	4.9682	0.0115	0.1003	0.0016	0.1135
469	10.7	10.1	3.185	1.7863	-0.003	4.9684	0.0145	0.0916	0.0036	0.1097
470	10.5	10.2	3.1857	1.7863	-0.0032	4.9688	0.0207	0.0928	0.0043	0.1178
471	10.2	10.2	3.1866	1.7866	-0.0034	4.9698	0.0291	0.0919	0.0067	0.1277
472	10.3	10.2	3.1872	1.7867	-0.0035	4.9704	0.0333	0.0984	0.0087	0.1404

473	10.6	10.3	3.1878	1.7866	-0.0033	4.9711	0.034	0.1	0.0098	0.1438
474	10.9	10.3	3.1876	1.7865	-0.003	4.9711	0.0343	0.0996	0.0096	0.1435
475	10.4	10.4	3.1874	1.7871	-0.0029	4.9715	0.0227	0.0983	0.0086	0.1297
476	10	10.5	3.1871	1.7874	-0.0028	4.9717	0.0127	0.1043	0.0096	0.1266
477	9.84	10.5	3.1867	1.7871	-0.003	4.9709	0.0075	0.109	0.0087	0.1251
478	9.7	10.4	3.1857	1.7871	-0.0032	4.9696	0.0008	0.1035	0.006	0.1103
479	10.2	10.4	3.1856	1.7865	-0.0032	4.9689	-0.0041	0.1034	0.0033	0.1026
480	10.3	10.4	3.1848	1.7872	-0.0031	4.9689	-0.0208	0.1064	0.0006	0.0862
481	11	10.4	3.1844	1.7872	-0.0031	4.9685	-0.026	0.1029	0.0012	0.0781
482	10.9	10.3	3.1835	1.7872	-0.0031	4.9676	-0.025	0.0969	0.0026	0.0745
483	11.1	10.3	3.1838	1.7871	-0.0032	4.9677	-0.0247	0.0949	0.0014	0.0716
484	10.7	10.3	3.185	1.7863	-0.0034	4.9679	-0.0287	0.0936	0.0008	0.0657
485	10.6	10.3	3.1869	1.7852	-0.0034	4.9687	-0.0271	0.1003	0.0003	0.0735
486	10.3	10.3	3.1882	1.7848	-0.0033	4.9697	-0.017	0.1022	0.0014	0.0866
487	9.97	10.4	3.1891	1.7847	-0.0033	4.9705	-0.0111	0.1001	0.0004	0.0894
488	10	10.4	3.1899	1.7846	-0.0031	4.9714	-0.0088	0.0926	-0.0027	0.0811
489	10.4	10.4	3.1903	1.7846	-0.0031	4.9718	-0.0107	0.093	-0.0037	0.0787
490	10.1	10.4	3.19	1.7843	-0.0031	4.9712	-0.0029	0.0879	-0.0084	0.0765
491	9.42	10.4	3.1896	1.7839	-0.003	4.9704	-0.012	0.0797	-0.0071	0.0606
492	9.93	10.4	3.1904	1.7837	-0.0031	4.9709	-0.0152	0.0728	-0.0064	0.0512
493	10.5	10.3	3.1904	1.7836	-0.0032	4.9708	-0.0246	0.0708	-0.008	0.0382
494	10.7	10.3	3.1901	1.7834	-0.0031	4.9704	-0.0214	0.0646	-0.0093	0.0339
495	10.9	10.3	3.1903	1.7834	-0.0031	4.9705	-0.007	0.0616	-0.0094	0.0452
496	10.6	10.3	3.1905	1.7834	-0.003	4.9709	0.004	0.0645	-0.0073	0.0612
497	10.4	10.3	3.1902	1.7832	-0.003	4.9704	0.0045	0.0705	-0.0052	0.0698
498	10	10.3	3.1901	1.7832	-0.0035	4.9698	0.0034	0.0691	-0.004	0.0685
499	10.1	10.3	3.1898	1.7828	-0.0037	4.9689	-0.0023	0.0775	-0.0003	0.0749
500	10.8	10.4	3.1886	1.7824	-0.0035	4.9675	-0.0069	0.0829	-0.0003	0.0758
501	10.2	10.4	3.1885	1.7821	-0.0034	4.9672	-0.0073	0.0917	0.0008	0.0851
502	10.5	10.4	3.1893	1.7816	-0.0032	4.9677	-0.0044	0.1035	0.0009	0.1
503	10.4	10.4	3.1902	1.781	-0.0028	4.9684	-0.0047	0.1066	0.0012	0.103
504	10.6	10.3	3.1901	1.781	-0.0025	4.9686	-0.0057	0.1053	0.005	0.1045
505	10.4	10.3	3.1893	1.7811	-0.0026	4.9678	-0.0116	0.1086	0.0061	0.1031
506	10.3	10.3	3.1883	1.7814	-0.0027	4.967	-0.021	0.1214	0.0077	0.1081
507	10.2	10.3	3.1875	1.782	-0.0028	4.9667	-0.0254	0.1276	0.0069	0.1091
508	10.1	10.4	3.1877	1.7822	-0.0031	4.9668	-0.023	0.1345	0.0051	0.1166
509	10.7	10.4	3.1874	1.7823	-0.0035	4.9662	-0.0155	0.1404	0.0045	0.1294

510	9.71	10.4	3.187	1.782	-0.0037	4.9653	-0.0212	0.1362	0.005	0.12
511	9.72	10.4	3.187	1.7817	-0.0036	4.9651	-0.0318	0.1376	0.006	0.1118
512	10.7	10.4	3.1883	1.7813	-0.0034	4.9662	-0.0433	0.1402	0.0084	0.1052
513	10.3	10.4	3.1888	1.7813	-0.0033	4.9668	-0.0522	0.1423	0.008	0.0981
514	10.1	10.4	3.1892	1.7811	-0.0033	4.967	-0.0559	0.141	0.0071	0.0922
515	10.1	10.4	3.1893	1.7806	-0.0035	4.9664	-0.0566	0.1385	0.007	0.089
516	10.7	10.4	3.1894	1.7804	-0.0037	4.9661	-0.0572	0.1366	0.008	0.0874
517	11.4	10.4	3.1894	1.7803	-0.0038	4.9659	-0.0582	0.133	0.0113	0.086
518	10.4	10.4	3.1895	1.7804	-0.0036	4.9662	-0.049	0.1281	0.0136	0.0926
519	10.5	10.4	3.1894	1.7799	-0.0035	4.9658	-0.0426	0.1381	0.0154	0.1109
520	10.6	10.4	3.1886	1.7799	-0.0036	4.9649	-0.0413	0.1415	0.0159	0.1161
521	11	10.4	3.1883	1.7797	-0.0036	4.9643	-0.0365	0.1395	0.0131	0.1162
522	10	10.4	3.1881	1.7799	-0.0037	4.9643	-0.0281	0.14	0.0101	0.1219
523	10.6	10.3	3.1879	1.7801	-0.0036	4.9644	-0.0238	0.1423	0.0101	0.1286
524	10.2	10.3	3.1888	1.7797	-0.0035	4.965	-0.0129	0.1366	0.0113	0.135
525	10.6	10.3	3.1897	1.7791	-0.0036	4.9652	-0.0024	0.1305	0.0145	0.1426
526	10.1	10.3	3.1899	1.7788	-0.0035	4.9651	0.0022	0.1352	0.0167	0.1541
527	10.1	10.3	3.1897	1.7789	-0.0035	4.9651	0.0083	0.1354	0.0181	0.1619
528	10.2	10.3	3.1896	1.7787	-0.0033	4.9649	0.0128	0.1272	0.0144	0.1544
529	10.2	10.3	3.1899	1.7783	-0.0031	4.9651	0.0006	0.1226	0.0119	0.1351
530	9.61	10.3	3.1898	1.7782	-0.0031	4.9649	-0.004	0.1152	0.0096	0.1208
531	10.2	10.3	3.189	1.7787	-0.0032	4.9646	-0.0132	0.1225	0.0096	0.1189
532	9.97	10.2	3.1885	1.7788	-0.0031	4.9642	-0.0201	0.1246	0.0113	0.1158
533	10	10.2	3.1885	1.7791	-0.003	4.9646	-0.0337	0.1315	0.012	0.1098
534	9.94	10.2	3.188	1.7789	-0.0029	4.964	-0.0301	0.1367	0.0117	0.1183
535	10.7	10.2	3.1872	1.779	-0.003	4.9631	-0.0081	0.1284	0.0105	0.1308
536	10.8	10.2	3.1867	1.7793	-0.0031	4.9629	0.0167	0.1254	0.0132	0.1553
537	10.5	10.2	3.1864	1.7799	-0.0031	4.9632	0.0413	0.1233	0.0154	0.18
538	10.2	10.2	3.1864	1.7797	-0.003	4.9631	0.0509	0.1311	0.0178	0.1998
539	10.5	10.2	3.186	1.7795	-0.0028	4.9627	0.0559	0.1403	0.0176	0.2139
540	10.3	10.2	3.1862	1.7795	-0.0029	4.9628	0.0563	0.1486	0.0138	0.2188
541	9.54	10.3	3.1863	1.7796	-0.0029	4.9629	0.054	0.1485	0.0111	0.2136
542	10.6	10.3	3.1872	1.7795	-0.0026	4.9641	0.0436	0.1473	0.0091	0.2
543	10.1	10.3	3.1872	1.7799	-0.0026	4.9644	0.0425	0.1429	0.0047	0.1901
544	9.75	10.4	3.1863	1.7798	-0.0027	4.9634	0.0313	0.1419	0.0018	0.175
545	9.84	10.4	3.1858	1.7796	-0.0027	4.9626	0.0217	0.1382	0.0011	0.161
546	10.1	10.4	3.1857	1.7792	-0.0029	4.9621	0.0101	0.1323	0.0029	0.1454

547	10.2	10.4	3.1859	1.7794	-0.003	4.9622	0.0063	0.1343	0.0043	0.1448
548	10.4	10.4	3.1867	1.7789	-0.0032	4.9624	0.0062	0.1307	0.0036	0.1404
549	10.8	10.5	3.1876	1.7781	-0.0034	4.9624	0.018	0.1307	-0.0011	0.1476
550	10.6	10.5	3.1879	1.7773	-0.0034	4.9617	0.0248	0.1212	-0.0023	0.1437
551	10.9	10.6	3.1876	1.7767	-0.0035	4.9609	0.0205	0.1129	0.0027	0.136
552	10.2	10.5	3.1876	1.777	-0.0034	4.9612	0.0248	0.1091	0.0082	0.1421
553	11.2	10.5	3.1872	1.7775	-0.0035	4.9612	0.0396	0.1077	0.0137	0.1611
554	10.5	10.6	3.187	1.7776	-0.0035	4.9611	0.0581	0.1046	0.0185	0.1812
555	11.2	10.5	3.1871	1.777	-0.0036	4.9605	0.0573	0.1159	0.0218	0.195
556	10.5	10.5	3.187	1.7767	-0.0036	4.9601	0.054	0.1177	0.0219	0.1936
557	11	10.5	3.1868	1.7757	-0.0035	4.959	0.0479	0.1267	0.02	0.1946
558	11.3	10.5	3.1864	1.7753	-0.0036	4.9582	0.0404	0.1451	0.0174	0.2029
559	10.9	10.4	3.1863	1.7759	-0.0036	4.9586	0.0408	0.1514	0.012	0.2042
560	10.6	10.4	3.1864	1.7762	-0.0037	4.9588	0.0306	0.1508	0.0068	0.1881
561	10.1	10.4	3.187	1.7757	-0.0042	4.9585	0.0251	0.1524	0.0064	0.1838
562	9.85	10.4	3.188	1.775	-0.0043	4.9587	0.0259	0.1556	0.0077	0.1892
563	10.4	10.4	3.1885	1.7745	-0.0043	4.9587	0.0396	0.1556	0.0086	0.2039
564	9.76	10.4	3.1888	1.7741	-0.0044	4.9585	0.0437	0.1535	0.0103	0.2075
565	9.8	10.3	3.1893	1.7735	-0.0044	4.9584	0.0454	0.1409	0.0106	0.1969
566	9.71	10.3	3.1893	1.7735	-0.0046	4.9582	0.0472	0.1335	0.0091	0.1897
567	9.8	10.2	3.1889	1.7735	-0.0045	4.9579	0.055	0.1302	0.0065	0.1917
568	10.1	10.1	3.1888	1.7728	-0.0045	4.9571	0.0683	0.1211	0.0024	0.1917
569	10.2	10	3.1892	1.7722	-0.0046	4.9568	0.0765	0.1179	0.0048	0.1991
570	10.3	9.95	3.1894	1.7723	-0.0045	4.9572	0.0822	0.1215	0.0088	0.2125
571	10.3	9.9	3.1894	1.7726	-0.0044	4.9576	0.0696	0.134	0.0072	0.2109
572	10.9	9.9	3.1896	1.7725	-0.0045	4.9576	0.0659	0.137	0.0046	0.2074
573	10.4	9.86	3.1891	1.7729	-0.0044	4.9576	0.062	0.1453	0.0013	0.2085
574	10.3	9.86	3.1879	1.7735	-0.0045	4.9568	0.0584	0.1467	-0.0007	0.2044
575	9.71	9.87	3.1871	1.7736	-0.0046	4.9561	0.066	0.1362	-0.0039	0.1983
576	9.37	9.88	3.1863	1.7738	-0.0046	4.9555	0.0676	0.1269	-0.0074	0.1871
577	9.69	9.88	3.1854	1.7744	-0.0044	4.9554	0.0663	0.1221	-0.0101	0.1783
578	9.17	9.89	3.1857	1.7748	-0.0044	4.9561	0.0656	0.1112	-0.0118	0.1651
579	9.18	9.86	3.186	1.7749	-0.0042	4.9568	0.0636	0.0967	-0.0091	0.1512
580	9.16	9.83	3.1861	1.775	-0.0041	4.957	0.0652	0.0947	-0.0033	0.1566
581	9.84	9.81	3.1864	1.7747	-0.0042	4.9569	0.0663	0.0931	-0.0018	0.1577
582	9.73	9.75	3.1869	1.774	-0.0043	4.9566	0.0596	0.0984	-0.0016	0.1565
583	9.77	9.69	3.1868	1.7734	-0.0044	4.9559	0.0498	0.0986	0.0001	0.1485

584	9.91	9.65	3.1859	1.7734	-0.0045	4.9548	0.0487	0.0999	0.0007	0.1493
585	9.89	9.62	3.1853	1.7726	-0.0047	4.9532	0.0485	0.0926	0.0013	0.1423
586	9.73	9.66	3.1841	1.7724	-0.0048	4.9517	0.0469	0.0892	0.0006	0.1367
587	10.5	9.62	3.184	1.7716	-0.0051	4.9505	0.0479	0.0917	0	0.1397
588	9.61	9.63	3.1843	1.7705	-0.0049	4.95	0.0552	0.0933	0.0017	0.1502
589	9.68	9.66	3.1847	1.7698	-0.0045	4.95	0.0642	0.0891	0.0064	0.1598
590	9.81	9.69	3.1846	1.7695	-0.0042	4.9498	0.0612	0.0845	0.0096	0.1554
591	9.8	9.73	3.1852	1.7692	-0.0039	4.9504	0.0636	0.086	0.0121	0.1617
592	9.28	9.8	3.1861	1.7694	-0.0036	4.9519	0.0652	0.087	0.0122	0.1644
593	9.46	9.84	3.1872	1.7695	-0.0033	4.9533	0.0741	0.0865	0.0157	0.1763
594	9.26	9.84	3.1879	1.7695	-0.0032	4.9543	0.0695	0.093	0.0153	0.1777
595	10.1	9.86	3.1893	1.7701	-0.0034	4.956	0.0603	0.0948	0.014	0.1691
596	9.04	9.87	3.1899	1.77	-0.0034	4.9565	0.0591	0.0911	0.0115	0.1617
597	9.37	9.87	3.1896	1.7701	-0.0034	4.9564	0.0569	0.0878	0.0092	0.1539
598	9.64	9.89	3.1883	1.7702	-0.0034	4.9551	0.0484	0.0981	0.0088	0.1553
599	9.79	9.92	3.1873	1.7707	-0.0035	4.9546	0.0576	0.0913	0.0064	0.1553
600	10.5	9.95	3.1866	1.7712	-0.0038	4.9539	0.0689	0.0877	0.0062	0.1628
601	11.1	10	3.186	1.7712	-0.0042	4.953	0.0773	0.0795	0.006	0.1627
602	10.6	10.1	3.1853	1.7708	-0.0046	4.9515	0.0673	0.0831	0.0041	0.1546
603	9.92	10.1	3.1844	1.7705	-0.0046	4.9503	0.0597	0.0972	0.0045	0.1614
604	10.1	10.2	3.1844	1.7694	-0.0047	4.9491	0.0564	0.1046	0.0023	0.1633
605	9.88	10.2	3.1839	1.7693	-0.0048	4.9485	0.0475	0.1104	0.0025	0.1604
606	10.5	10.3	3.1835	1.7688	-0.0047	4.9476	0.0388	0.1073	0.0015	0.1476
607	9.96	10.2	3.1835	1.7675	-0.0046	4.9464	0.0311	0.1073	0.0023	0.1407
608	10.2	10.2	3.1836	1.7671	-0.0043	4.9464	0.0242	0.1025	0.0017	0.1284
609	10.5	10.2	3.1844	1.7672	-0.0042	4.9474	0.0203	0.1011	-0.0003	0.121
610	10.6	10.2	3.1845	1.7668	-0.0043	4.947	0.0203	0.1099	-0.0027	0.1274
611	10.7	10.1	3.1844	1.7661	-0.0044	4.9462	0.0139	0.1227	-0.0073	0.1293
612	10.4	9.96	3.1843	1.7657	-0.0042	4.9458	0.0244	0.1204	-0.0148	0.13
613	10.8	9.92	3.1845	1.7659	-0.0043	4.9461	0.036	0.1145	-0.0143	0.1362
614	10.3	9.88	3.1847	1.767	-0.0044	4.9473	0.0479	0.1009	-0.0158	0.133
615	9.92	9.89	3.1845	1.7673	-0.0044	4.9474	0.0543	0.0915	-0.0157	0.1302
616	9.12	9.86	3.1839	1.7673	-0.0043	4.9469	0.0618	0.0796	-0.0144	0.127
617	9.24	9.89	3.1826	1.7681	-0.004	4.9468	0.0666	0.0765	-0.0147	0.1283
618	9.76	9.89	3.1818	1.7686	-0.0041	4.9463	0.0621	0.0748	-0.0146	0.1223
619	9.58	9.86	3.1812	1.7677	-0.0044	4.9445	0.0646	0.0667	-0.014	0.1173
620	8.77	9.84	3.1816	1.7665	-0.0043	4.9438	0.0793	0.0556	-0.0132	0.1217

621	8.78	9.79	3.1817	1.766	-0.0041	4.9436	0.0836	0.055	-0.0124	0.1262
622	9.15	9.78	3.1819	1.7654	-0.0038	4.9434	0.087	0.0614	-0.0113	0.1371
623	9.52	9.75	3.182	1.7654	-0.0035	4.944	0.0952	0.0662	-0.0118	0.1496
624	9.94	9.79	3.1822	1.7661	-0.0031	4.9452	0.0999	0.0678	-0.0111	0.1566
625	9.94	9.84	3.1829	1.7664	-0.0028	4.9465	0.1036	0.0695	-0.0112	0.1619
626	10.6	9.9	3.1833	1.7665	-0.0025	4.9473	0.095	0.0713	-0.009	0.1574
627	10.2	9.94	3.1831	1.7678	-0.0023	4.9486	0.0869	0.0784	-0.0057	0.1596
628	10	9.95	3.1832	1.769	-0.0024	4.9498	0.0766	0.0833	-0.001	0.1589
629	10.1	9.97	3.1834	1.7689	-0.0028	4.9494	0.0709	0.0932	0.0006	0.1648
630	9.91	10.1	3.1832	1.7689	-0.0029	4.9491	0.0674	0.1032	0.0027	0.1733
631	10.2	10.1	3.1831	1.7689	-0.003	4.9489	0.0655	0.11	0.0019	0.1774
632	10.2	10.2	3.1835	1.7689	-0.0031	4.9493	0.0589	0.1126	-0.0037	0.1678
633	11	10.3	3.1836	1.7691	-0.003	4.9497	0.0601	0.1058	-0.0078	0.1581
634	11	10.3	3.1832	1.7697	-0.0031	4.9498	0.0583	0.0989	-0.0058	0.1513
635	10.2	10.3	3.1825	1.7701	-0.0031	4.9495	0.0441	0.1025	-0.0051	0.1416
636	10	10.3	3.1819	1.7702	-0.0031	4.949	0.0273	0.0985	-0.0082	0.1175
637	9.99	10.3	3.1809	1.7706	-0.0033	4.9482	0.0136	0.093	-0.0114	0.0952
638	9.97	10.4	3.1799	1.7708	-0.0037	4.9471	0.0135	0.08	-0.0175	0.076
639	10.5	10.4	3.1799	1.771	-0.0038	4.9471	0.0211	0.0669	-0.016	0.072
640	9.99	10.4	3.1798	1.7709	-0.0041	4.9466	0.0328	0.0584	-0.0103	0.0809
641	10.2	10.5	3.1798	1.7709	-0.0041	4.9465	0.0309	0.0601	-0.0039	0.0871
642	10.8	10.5	3.1798	1.7708	-0.0042	4.9464	0.0219	0.0701	0.0007	0.0928
643	10.4	10.5	3.1802	1.7706	-0.0041	4.9467	0.0292	0.0708	0.0032	0.1033
644	10.3	10.5	3.1803	1.7703	-0.0041	4.9465	0.0386	0.0718	0.0073	0.1177
645	10.3	10.5	3.1799	1.7705	-0.0039	4.9465	0.0444	0.0827	0.0108	0.1378
646	10.9	10.5	3.18	1.7705	-0.0038	4.9467	0.0626	0.0889	0.0103	0.1618
647	10.7	10.5	3.181	1.7695	-0.0039	4.9467	0.0711	0.0882	0.0125	0.1718
648	10.5	10.6	3.181	1.7698	-0.0038	4.9469	0.0716	0.0851	0.0098	0.1664
649	10.6	10.6	3.1807	1.7694	-0.004	4.9461	0.0646	0.0858	0.0087	0.1591
650	11.3	10.6	3.1801	1.7693	-0.004	4.9455	0.0533	0.0886	0.0082	0.1501
651	10.8	10.6	3.1809	1.7684	-0.0039	4.9454	0.0481	0.089	0.0063	0.1434
652	10.8	10.6	3.1816	1.7673	-0.0039	4.9451	0.0409	0.0886	0.0013	0.1308
653	10.3	10.6	3.1816	1.767	-0.0037	4.9448	0.0279	0.0879	-0.0015	0.1143
654	10.8	10.7	3.1823	1.7665	-0.0038	4.945	0.0172	0.0882	-0.0005	0.1049
655	10.7	10.7	3.1832	1.7663	-0.0037	4.9457	0.0211	0.0738	-0.0017	0.0931
656	10.3	10.6	3.1839	1.766	-0.0038	4.9461	0.0165	0.0738	-0.0029	0.0874
657	10.7	10.6	3.1844	1.7655	-0.0037	4.9462	0.0149	0.0644	-0.004	0.0754

658	10.3	10.6	3.1844	1.7652	-0.0035	4.9461	0.015	0.0575	-0.0026	0.0699
659	10.4	10.6	3.1843	1.7649	-0.0033	4.9459	0.0217	0.0523	-0.0002	0.0738
660	10.1	10.6	3.185	1.7639	-0.003	4.9459	0.0294	0.0499	-0.0023	0.077
661	10.6	10.5	3.1846	1.7636	-0.0027	4.9455	0.0299	0.0451	-0.0078	0.0673
662	11.4	10.5	3.1844	1.7636	-0.0029	4.9451	0.031	0.033	-0.0086	0.0555
663	11.2	10.5	3.1837	1.7644	-0.0027	4.9454	0.0294	0.0258	-0.0081	0.0471
664	10.5	10.5	3.1834	1.765	-0.0028	4.9455	0.0283	0.0266	-0.0078	0.0472
665	10	10.5	3.1831	1.7656	-0.003	4.9457	0.03	0.0372	-0.0088	0.0583
666	10.2	10.5	3.1826	1.7659	-0.0031	4.9454	0.021	0.043	-0.0127	0.0512
667	11	10.5	3.1827	1.766	-0.003	4.9457	0.0087	0.0558	-0.0131	0.0514
668	10.1	10.5	3.1824	1.7662	-0.0031	4.9454	-0.0059	0.0583	-0.0111	0.0412
669	10.6	10.5	3.1812	1.7666	-0.0033	4.9446	-0.0051	0.0572	-0.0131	0.039
670	10.1	10.5	3.181	1.7668	-0.0033	4.9445	-0.0072	0.047	-0.0141	0.0256
671	10.4	10.5	3.1807	1.7665	-0.0033	4.9439	0.0041	0.0331	-0.01	0.0272
672	10.3	10.5	3.18	1.7659	-0.0033	4.9426	-0.0013	0.0318	-0.0033	0.0272
673	9.96	10.5	3.1791	1.7661	-0.0033	4.9419	-0.0147	0.0349	0.0013	0.0215
674	10.7	10.5	3.1775	1.7665	-0.0034	4.9407	-0.0161	0.0436	0.0041	0.0316
675	10.4	10.6	3.1776	1.7664	-0.0037	4.9404	-0.0112	0.0503	0.0091	0.0481
676	10.3	10.6	3.1776	1.766	-0.0041	4.9395	0.0053	0.0486	0.0126	0.0665
677	10.9	10.6	3.1778	1.7661	-0.0043	4.9395	0.0024	0.0572	0.0175	0.0771
678	10.9	10.6	3.1786	1.7655	-0.0044	4.9396	-0.0009	0.0686	0.0219	0.0896
679	10.5	10.6	3.1793	1.7646	-0.0044	4.9395	0.0005	0.0848	0.0196	0.1049
680	10.7	10.6	3.1796	1.764	-0.0042	4.9393	0.0053	0.0818	0.0135	0.1006
681	10.8	10.6	3.1805	1.7634	-0.0039	4.9401	-0.0004	0.0813	0.011	0.0919
682	10.7	10.6	3.1809	1.7634	-0.0035	4.9408	-0.0032	0.0806	0.0107	0.088
683	10.9	10.7	3.181	1.7635	-0.0038	4.9407	0.0052	0.0839	0.0108	0.1
684	11.5	10.6	3.1814	1.7632	-0.004	4.9406	0.0075	0.095	0.013	0.1156
685	10.6	10.6	3.1825	1.7628	-0.0039	4.9415	-0.0015	0.1081	0.0146	0.1212
686	10.5	10.6	3.1827	1.7632	-0.0037	4.9422	-0.0149	0.1238	0.0143	0.1233
687	10.4	10.6	3.1827	1.7636	-0.0033	4.9429	-0.0415	0.1454	0.0117	0.1156
688	10.5	10.6	3.1822	1.7638	-0.0033	4.9428	-0.066	0.1688	0.0068	0.1096
689	10.5	10.6	3.1814	1.764	-0.0035	4.9419	-0.0756	0.1853	-0.0006	0.109
690	10.3	10.6	3.1815	1.7635	-0.0038	4.9411	-0.076	0.1848	-0.0052	0.1035
691	10.7	10.6	3.183	1.7622	-0.004	4.9412	-0.0774	0.1746	-0.0125	0.0847
692	10.8	10.6	3.1832	1.7623	-0.0039	4.9416	-0.0833	0.1657	-0.0094	0.0729
693	10.3	10.6	3.1834	1.7623	-0.0041	4.9416	-0.0963	0.1728	-0.011	0.0656
694	10.3	10.5	3.1835	1.7613	-0.0043	4.9405	-0.0893	0.1654	-0.0103	0.0659

695	10.2	10.5	3.183	1.7612	-0.0044	4.9398	-0.0828	0.1519	-0.008	0.0611
696	10.8	10.5	3.1828	1.7611	-0.0047	4.9393	-0.0879	0.1471	-0.0058	0.0534
697	10.9	10.4	3.1825	1.7616	-0.0044	4.9397	-0.0791	0.142	-0.005	0.0579
698	10.7	10.4	3.1818	1.7616	-0.0043	4.9392	-0.0621	0.1321	-0.0065	0.0635
699	10.9	10.4	3.182	1.7618	-0.0043	4.9396	-0.0572	0.1324	-0.0061	0.0691
700	10.6	10.4	3.1817	1.7623	-0.0044	4.9396	-0.0542	0.1227	-0.006	0.0624
701	10.8	10.3	3.1819	1.7623	-0.0043	4.9399	-0.0568	0.1167	-0.0039	0.056
702	10.7	10.3	3.1825	1.762	-0.0044	4.9401	-0.05	0.1064	0.0002	0.0565
703	9.94	10.3	3.1827	1.7617	-0.0046	4.9398	-0.0439	0.0947	0.002	0.0528
704	9.57	10.2	3.1823	1.762	-0.0045	4.9398	-0.0399	0.0924	0.0004	0.0529
705	10	10.2	3.1823	1.762	-0.0045	4.9398	-0.03	0.0902	-0.0009	0.0593
706	9.86	10.2	3.182	1.7623	-0.0043	4.94	-0.0142	0.0912	-0.0006	0.0764
707	10.1	10.1	3.182	1.7618	-0.0043	4.9394	0.0021	0.0835	0.0016	0.0872
708	10.5	10.1	3.1815	1.7619	-0.0043	4.939	0.0076	0.08	0.005	0.0926
709	9.98	10.1	3.1814	1.7622	-0.0039	4.9397	0.0006	0.0802	0.0075	0.0882
710	9.84	10.1	3.1815	1.7623	-0.0036	4.9402	-0.0079	0.0815	0.0114	0.0851
711	9.73	10.1	3.1813	1.7628	-0.0035	4.9407	-0.004	0.0778	0.0158	0.0896
712	9.48	10.1	3.1814	1.7631	-0.0034	4.9411	-0.0061	0.0729	0.0159	0.0827
713	9.74	10.1	3.1816	1.7633	-0.0035	4.9414	-0.0068	0.0713	0.0143	0.0788
714	10.1	10.2	3.1817	1.7633	-0.0035	4.9415	-0.011	0.08	0.0158	0.0848
715	10.2	10.2	3.1824	1.763	-0.0031	4.9423	-0.0156	0.0859	0.0141	0.0844
716	9.99	10.3	3.183	1.7618	-0.003	4.9418	-0.0212	0.0924	0.0111	0.0823
717	10.1	10.3	3.1832	1.7623	-0.0029	4.9426	-0.0236	0.0925	0.0091	0.078
718	10.6	10.3	3.1823	1.7629	-0.0028	4.9424	-0.021	0.0916	0.0092	0.0798
719	10.2	10.4	3.1819	1.763	-0.003	4.9419	-0.0204	0.0894	0.0086	0.0775
720	10.6	10.5	3.1812	1.7632	-0.0033	4.9411	-0.0337	0.1004	0.0072	0.074
721	10.7	10.5	3.1818	1.7628	-0.0037	4.9409	-0.033	0.1041	0.0062	0.0773
722	10.9	10.6	3.1833	1.7619	-0.0039	4.9413	-0.0287	0.0983	0.0051	0.0747
723	11.2	10.7	3.1836	1.7611	-0.0039	4.9408	-0.0286	0.0902	0.006	0.0675
724	10.6	10.7	3.1833	1.7611	-0.004	4.9404	-0.0343	0.0916	0.007	0.0643
725	10.9	10.8	3.1824	1.7616	-0.0041	4.9398	-0.0499	0.0951	0.006	0.0512
726	10.7	10.8	3.183	1.7608	-0.0043	4.9396	-0.0478	0.095	0.0024	0.0496
727	10.2	10.9	3.1832	1.7609	-0.0045	4.9396	-0.0433	0.0866	0.0009	0.0442
728	11.4	10.9	3.1832	1.7606	-0.0044	4.9393	-0.041	0.0904	0.0009	0.0504
729	11.5	10.9	3.1829	1.7607	-0.0042	4.9394	-0.0335	0.0932	0.0013	0.0609
730	10.5	10.9	3.1832	1.7607	-0.004	4.9399	-0.0291	0.0932	0.003	0.0671
731	11	10.9	3.1834	1.7608	-0.0041	4.9401	-0.0366	0.0971	0.0048	0.0653

732	11.4	10.9	3.183	1.7605	-0.0042	4.9393	-0.0371	0.0988	0.0084	0.0701
733	11.4	10.9	3.1828	1.7596	-0.0044	4.9381	-0.0494	0.1124	0.0109	0.074
734	11.3	10.9	3.1833	1.7588	-0.0045	4.9377	-0.046	0.1149	0.006	0.0749
735	10.9	10.8	3.184	1.7577	-0.0045	4.9371	-0.0395	0.11	0.003	0.0736
736	10.8	10.8	3.1861	1.7556	-0.0043	4.9374	-0.028	0.1017	0.0032	0.0768
737	10.9	10.8	3.1875	1.7537	-0.0039	4.9372	-0.0261	0.106	0.0048	0.0846
738	11	10.7	3.1875	1.7523	-0.0036	4.9362	-0.0217	0.1108	0.0063	0.0953
739	10.6	10.6	3.1875	1.7526	-0.0033	4.9368	-0.0288	0.1176	0.0041	0.093
740	10.3	10.6	3.1875	1.7535	-0.0028	4.9382	-0.0417	0.1253	0.003	0.0866
741	10.5	10.5	3.1881	1.7543	-0.0032	4.9392	-0.0471	0.13	0.0005	0.0834
742	10.5	10.4	3.1894	1.7535	-0.0031	4.9399	-0.0313	0.1181	0.0012	0.0881
743	10.4	10.4	3.1892	1.754	-0.0031	4.9401	-0.0389	0.1309	0.0011	0.0932
744	10.6	10.4	3.1885	1.7552	-0.0033	4.9404	-0.032	0.1222	-0.0026	0.0876
745	10.4	10.3	3.1887	1.7557	-0.0033	4.9411	-0.032	0.1092	-0.004	0.0733
746	10.3	10.3	3.1879	1.7563	-0.0033	4.9409	-0.0479	0.1126	-0.0041	0.0607
747	9.67	10.3	3.1872	1.7563	-0.0032	4.9403	-0.0461	0.0969	-0.0052	0.0457
748	9.32	10.2	3.1867	1.7565	-0.0032	4.94	-0.041	0.0928	-0.0002	0.0515
749	9.89	10.3	3.1861	1.7571	-0.0034	4.9399	-0.0379	0.0963	0.0023	0.0607
750	9.61	10.3	3.1858	1.7577	-0.0036	4.9398	-0.0286	0.1025	0.0026	0.0766
751	9.92	10.3	3.1859	1.7578	-0.0039	4.9398	-0.0219	0.1036	0.0009	0.0826
752	10.6	10.3	3.186	1.7578	-0.0041	4.9398	-0.0247	0.1149	-0.0007	0.0896
753	10.7	10.2	3.1855	1.7578	-0.0038	4.9395	-0.0248	0.129	-0.0017	0.1026
754	10.4	10.2	3.1853	1.7575	-0.0037	4.9391	-0.0158	0.1313	-0.0012	0.1143
755	10.4	10.2	3.1846	1.7572	-0.0037	4.9381	-0.024	0.1438	-0.001	0.1188
756	10.2	10.2	3.1837	1.7576	-0.004	4.9373	-0.026	0.144	-0.004	0.1139
757	10.3	10.3	3.1836	1.7575	-0.0042	4.9369	-0.0305	0.1484	-0.0052	0.1127
758	10.9	10.3	3.1844	1.7572	-0.0043	4.9373	-0.0272	0.1406	-0.0072	0.1063
759	10.9	10.3	3.1851	1.7567	-0.0045	4.9374	-0.0345	0.1379	-0.0072	0.0961
760	10.4	10.3	3.1854	1.7561	-0.0046	4.9369	-0.0276	0.1368	-0.0036	0.1056
761	10.2	10.4	3.1852	1.7564	-0.0043	4.9373	-0.0214	0.1303	-0.0001	0.1087
762	9.52	10.4	3.1851	1.7564	-0.0043	4.9372	-0.0112	0.1223	0.0021	0.1133
763	10.3	10.4	3.1848	1.7564	-0.0043	4.9369	-0.0061	0.118	0.0036	0.1156
764	10.4	10.4	3.185	1.7564	-0.0042	4.9371	0.0001	0.1089	0.0025	0.1116
765	10.3	10.4	3.1853	1.7563	-0.0041	4.9375	0.0085	0.1013	0.0028	0.1126
766	10.6	10.4	3.185	1.7566	-0.004	4.9376	0.0183	0.092	0.0093	0.1196
767	10.5	10.4	3.1848	1.7569	-0.004	4.9377	0.0361	0.0661	0.0119	0.1141
768	9.92	10.4	3.1844	1.7572	-0.004	4.9376	0.035	0.0815	0.0131	0.1297

769	10.1	10.3	3.1846	1.7566	-0.004	4.9372	0.028	0.0919	0.0129	0.1328
770	10	10.3	3.1843	1.7564	-0.0039	4.9368	0.021	0.101	0.0128	0.1347
771	10.9	10.3	3.1836	1.7566	-0.0038	4.9364	0.0185	0.1028	0.0078	0.1292
772	10.4	10.4	3.1829	1.7568	-0.0039	4.9359	0.0097	0.1059	0.0036	0.1192
773	10.6	10.4	3.1825	1.757	-0.004	4.9355	0.0193	0.0942	0.0024	0.1158
774	10.5	10.4	3.1825	1.757	-0.004	4.9355	0.0202	0.0897	0.0056	0.1155
775	10.2	10.4	3.1824	1.7569	-0.004	4.9354	0.0152	0.0924	0.0062	0.1139
776	10.3	10.3	3.1819	1.7573	-0.0042	4.9351	-0.0007	0.1	0.0045	0.1038
777	10.6	10.3	3.1819	1.757	-0.0044	4.9345	0.0042	0.0928	0.0013	0.0983
778	10.5	10.3	3.1819	1.7561	-0.0046	4.9335	0.0051	0.0957	-0.0045	0.0963
779	10.3	10.3	3.1822	1.7553	-0.0047	4.9327	0.0114	0.0853	-0.0087	0.088
780	10.1	10.3	3.1832	1.7543	-0.0047	4.9328	0.013	0.076	-0.0085	0.0805
781	10.2	10.2	3.1842	1.7535	-0.0047	4.9331	0.0229	0.0734	-0.0053	0.091
782	10.6	10.2	3.1858	1.7522	-0.0046	4.9334	0.0282	0.073	-0.0057	0.0955
783	10.3	10.2	3.1856	1.7521	-0.0044	4.9333	0.0266	0.0714	-0.0062	0.0917
784	10.3	10.2	3.1854	1.7522	-0.0043	4.9333	0.0216	0.0653	-0.009	0.0779
785	9.8	10.2	3.1853	1.7526	-0.0042	4.9338	0.0249	0.0566	-0.0106	0.0709
786	9.77	10.2	3.1853	1.7526	-0.0042	4.9337	0.0297	0.041	-0.0103	0.0604
787	9.97	10.2	3.1849	1.7525	-0.004	4.9334	0.0541	0.0174	-0.0077	0.0637
788	10.3	10.2	3.1851	1.7521	-0.0037	4.9335	0.068	0.0033	-0.0053	0.0659
789	9.72	10.2	3.1856	1.7514	-0.0038	4.9332	0.0653	-0.0057	0.0006	0.0602
790	9.71	10.2	3.1862	1.7505	-0.0039	4.9328	0.055	0.0001	0.0061	0.0613
791	9.95	10.3	3.1861	1.7503	-0.0041	4.9324	0.0541	0.0045	0.0115	0.0701
792	10.7	10.2	3.1871	1.7492	-0.004	4.9323	0.0499	0.0219	0.0082	0.0801
793	10.5	10.2	3.1866	1.7501	-0.0038	4.9328	0.0676	0.0126	0.0084	0.0886
794	10.6	10.2	3.1867	1.7503	-0.0039	4.9331	0.0734	0.0138	0.0047	0.0919
795	10.2	10.3	3.1878	1.75	-0.004	4.9337	0.0768	0.0215	0.0005	0.0989
796	9.96	10.3	3.1874	1.7515	-0.0041	4.9347	0.09	0.025	-0.0023	0.1127
797	10.2	10.3	3.1866	1.7524	-0.0044	4.9346	0.0921	0.026	-0.0027	0.1154
798	10.6	10.3	3.1856	1.752	-0.0045	4.9331	0.087	0.0296	0.0018	0.1184
799	10.7	10.4	3.1849	1.7516	-0.0045	4.9319	0.0886	0.0318	0.0047	0.1251
800	10.8	10.4	3.1839	1.7519	-0.0045	4.9313	0.0909	0.0404	0.0069	0.1383
801	10.3	10.4	3.1844	1.7508	-0.0043	4.9309	0.0779	0.0462	0.0079	0.132
802	10.1	10.4	3.185	1.7491	-0.0043	4.9299	0.0743	0.0534	0.0042	0.1319
803	10.6	10.3	3.1843	1.7486	-0.0045	4.9284	0.0696	0.0642	0.0059	0.1397
804	10.8	10.3	3.1847	1.7476	-0.0044	4.9279	0.0646	0.0727	0.0122	0.1495
805	9.75	10.4	3.1849	1.7475	-0.0041	4.9284	0.0605	0.0769	0.0173	0.1547

806	10.4	10.4	3.1851	1.7475	-0.0038	4.9287	0.0495	0.0799	0.0171	0.1466
807	10.7	10.5	3.1847	1.7477	-0.0036	4.9288	0.0252	0.0986	0.0132	0.1371
808	10.1	10.5	3.1849	1.7481	-0.0036	4.9294	0.0187	0.1069	0.0097	0.1353
809	10.3	10.5	3.1842	1.7485	-0.0036	4.9291	0.0249	0.105	0.006	0.1359
810	10.3	10.4	3.1836	1.7493	-0.0035	4.9294	0.0294	0.1101	-0.0018	0.1377
811	10.2	10.4	3.1824	1.7506	-0.0037	4.9294	0.0328	0.1064	-0.0049	0.1343
812	9.76	10.4	3.182	1.7513	-0.0038	4.9295	0.0274	0.1036	-0.007	0.124
813	10.1	10.4	3.1816	1.7524	-0.0038	4.9302	0.0151	0.0978	-0.0074	0.1055
814	10.9	10.4	3.1809	1.7531	-0.0038	4.9302	0.0091	0.1032	-0.01	0.1023
815	11.4	10.4	3.1806	1.7538	-0.0041	4.9303	0.0121	0.1035	-0.0095	0.1061
816	10.8	10.5	3.1794	1.7551	-0.0042	4.9304	0.0083	0.103	-0.0072	0.1041
817	10.8	10.5	3.1797	1.7542	-0.0042	4.9297	0.0055	0.1045	-0.0061	0.104
818	10.5	10.5	3.1795	1.7537	-0.0041	4.9291	0.003	0.1108	-0.0077	0.1061
819	10.5	10.5	3.1798	1.7529	-0.0043	4.9285	0.0049	0.1092	-0.0097	0.1044
820	10.2	10.5	3.1793	1.7529	-0.0041	4.9282	0.0122	0.0918	-0.0085	0.0956
821	10.2	10.5	3.1809	1.7522	-0.0041	4.929	0.0143	0.0835	-0.0046	0.0932
822	10.2	10.5	3.1814	1.7525	-0.0042	4.9297	0.0154	0.079	-0.0022	0.0923
823	10.4	10.5	3.1816	1.7521	-0.0045	4.9292	0.0118	0.0774	-0.0007	0.0885
824	10.6	10.5	3.1818	1.7518	-0.0046	4.929	0.0003	0.0903	0.0039	0.0945
825	10.6	10.5	3.1824	1.7516	-0.0045	4.9295	-0.0077	0.1033	0.0036	0.0992
826	10.8	10.4	3.1826	1.7515	-0.0044	4.9297	0.0021	0.0955	0.0052	0.1028
827	10.5	10.4	3.1827	1.7514	-0.004	4.93	0.0049	0.0929	0.0023	0.1002
828	9.91	10.4	3.182	1.752	-0.0035	4.9305	0.0083	0.0902	0.0017	0.1001
829	10.4	10.4	3.1816	1.7531	-0.0033	4.9313	0.0096	0.0861	0.002	0.0978
830	10.6	10.4	3.181	1.7534	-0.0035	4.9308	0.0123	0.0752	0.0027	0.0902
831	10.3	10.4	3.1806	1.7535	-0.0035	4.9306	0.0249	0.0623	0.0037	0.0909
832	10.2	10.4	3.1803	1.7534	-0.0036	4.9302	0.032	0.0618	0.0031	0.097
833	10.9	10.5	3.1807	1.7531	-0.0035	4.9303	0.053	0.0466	0.002	0.1016
834	10.3	10.5	3.1809	1.7532	-0.0035	4.9306	0.0532	0.0466	0.0071	0.1069
835	10	10.5	3.181	1.7536	-0.0035	4.9311	0.0503	0.0436	0.0102	0.1041
836	10.3	10.5	3.1807	1.7539	-0.0035	4.931	0.0342	0.0617	0.0125	0.1083
837	10	10.6	3.1807	1.7534	-0.0034	4.9306	0.0359	0.0689	0.0143	0.119
838	10.5	10.6	3.181	1.7529	-0.0037	4.9302	0.0179	0.0966	0.0148	0.1293
839	11	10.7	3.182	1.7526	-0.0039	4.9307	0.0203	0.0973	0.015	0.1326
840	10.5	10.7	3.1821	1.753	-0.004	4.9312	0.0313	0.0944	0.0133	0.139
841	10.4	10.8	3.1831	1.7521	-0.004	4.9312	0.0552	0.0781	0.0079	0.1412
842	11	10.9	3.1827	1.7523	-0.0039	4.931	0.056	0.0753	0.0046	0.1359

843	11.2	10.9	3.1818	1.7526	-0.0036	4.9309	0.0672	0.0541	0.0057	0.127
844	11.1	11	3.1809	1.753	-0.0034	4.9305	0.0559	0.0572	0.0059	0.119
845	10.9	11	3.1797	1.7532	-0.0031	4.9298	0.0503	0.0593	0.0041	0.1137
846	11.3	11	3.1787	1.7537	-0.003	4.9293	0.0505	0.0611	0.0039	0.1155
847	11.2	11.1	3.1785	1.7534	-0.0034	4.9285	0.0497	0.0778	0.0022	0.1297
848	10.8	11.1	3.1778	1.7533	-0.0037	4.9275	0.0358	0.0963	-0.0022	0.13
849	12.2	11.1	3.177	1.7531	-0.0041	4.926	0.0243	0.0906	-0.0046	0.1103
850	11.4	11.1	3.178	1.753	-0.0044	4.9267	0.0022	0.1031	-0.0044	0.1009
851	11.3	11.1	3.1785	1.7524	-0.0043	4.9266	-0.0211	0.1158	-0.0039	0.0908
852	11.6	11.1	3.1791	1.7514	-0.0046	4.9258	-0.0308	0.1171	-0.0024	0.0839
853	11.4	11	3.1791	1.7505	-0.005	4.9246	-0.0515	0.1058	-0.0043	0.05
854	10.7	11	3.1792	1.7498	-0.0054	4.9236	-0.059	0.1159	-0.0066	0.0503
855	10.9	10.9	3.1797	1.7492	-0.0054	4.9234	-0.0371	0.1068	-0.007	0.0627
856	10.8	10.9	3.1812	1.7478	-0.0053	4.9236	-0.0312	0.1105	-0.006	0.0734
857	11.3	10.8	3.1817	1.7468	-0.0051	4.9234	-0.0275	0.1138	-0.0038	0.0825
858	11.1	10.7	3.1819	1.7467	-0.0049	4.9237	-0.0043	0.0921	-0.0018	0.0861
859	10.9	10.6	3.1822	1.7457	-0.0043	4.9236	-0.0071	0.0992	-0.001	0.0911
860	10.6	10.5	3.1821	1.7455	-0.0041	4.9235	-0.0176	0.1112	-0.0011	0.0925
861	10	10.4	3.1825	1.746	-0.0036	4.9249	-0.0255	0.1241	-0.0009	0.0976
862	10.1	10.4	3.1836	1.7467	-0.0036	4.9267	-0.0365	0.1357	-0.0033	0.0958
863	9.95	10.3	3.1839	1.7461	-0.0033	4.9266	-0.0353	0.1406	-0.0064	0.0989
864	10	10.3	3.1838	1.746	-0.0033	4.9265	-0.0239	0.14	-0.0078	0.1082
865	10.1	10.3	3.1844	1.746	-0.0034	4.9271	-0.024	0.1342	-0.0071	0.1031
866	9.86	10.3	3.1845	1.7462	-0.0034	4.9272	-0.0171	0.1275	-0.0106	0.0998
867	9.85	10.3	3.1845	1.7458	-0.0032	4.9271	-0.0324	0.1393	-0.0139	0.0929
868	9.72	10.3	3.1839	1.7463	-0.003	4.9272	-0.0062	0.1074	-0.0138	0.0873
869	9.83	10.3	3.1834	1.7474	-0.0032	4.9276	0.0116	0.0913	-0.0119	0.091
870	9.9	10.4	3.1829	1.7481	-0.0035	4.9275	0.0156	0.0787	-0.0123	0.0819
871	10	10.4	3.182	1.7487	-0.0036	4.9272	0.0184	0.0801	-0.0096	0.0889
872	10.3	10.5	3.1817	1.7491	-0.0038	4.927	0.0454	0.0687	-0.0074	0.1067
873	10.6	10.5	3.1825	1.7479	-0.0044	4.926	0.048	0.074	-0.0044	0.1176
874	10.6	10.5	3.1833	1.7467	-0.0043	4.9256	0.0464	0.0741	-0.002	0.1184
875	11.3	10.6	3.1822	1.7474	-0.0045	4.9251	0.0423	0.0789	0.0004	0.1217
876	11.3	10.6	3.1814	1.7481	-0.0044	4.9251	0.0332	0.0958	0.0035	0.1325
877	11.1	10.6	3.181	1.748	-0.0046	4.9245	0.0235	0.1065	0.0067	0.1368
878	10.9	10.7	3.181	1.7475	-0.0048	4.9237	0.0299	0.1082	0.0135	0.1516
879	11.3	10.7	3.1809	1.7478	-0.005	4.9237	0.024	0.1133	0.0177	0.155

880	11.4	10.7	3.1807	1.7481	-0.0051	4.9237	0.0196	0.128	0.0177	0.1653
881	10.7	10.7	3.181	1.7474	-0.005	4.9234	0.0178	0.1343	0.0141	0.1662
882	10.5	10.7	3.1805	1.7475	-0.0048	4.9233	0.0155	0.1329	0.0101	0.1586
883	10.5	10.7	3.1803	1.7474	-0.0051	4.9226	0.0144	0.1233	0.0064	0.1441
884	10.7	10.7	3.1804	1.7478	-0.0053	4.9229	0.0167	0.1127	0.007	0.1365
885	10.6	10.6	3.1819	1.7465	-0.0054	4.9229	0.0109	0.1166	0.0081	0.1356
886	10.5	10.6	3.1817	1.7457	-0.0056	4.9218	0.0177	0.1156	0.0095	0.1429
887	10.3	10.6	3.1831	1.7428	-0.0054	4.9205	0.0157	0.1196	0.0091	0.1445
888	10	10.6	3.1831	1.7424	-0.0052	4.9202	0.0303	0.1006	0.0107	0.1416
889	10.2	10.5	3.1824	1.742	-0.0051	4.9193	0.0178	0.1133	0.0093	0.1404
890	10.5	10.4	3.1806	1.7426	-0.0047	4.9186	0.0349	0.1073	0.0087	0.1508
891	10.4	10.4	3.1805	1.7428	-0.0046	4.9188	0.0178	0.1219	0.0052	0.1449
892	9.98	10.4	3.1804	1.7438	-0.0046	4.9195	0.0299	0.1112	0.0066	0.1477
893	10.4	10.3	3.181	1.7443	-0.0044	4.9209	0.0257	0.1218	0.0089	0.1563
894	10.9	10.3	3.1817	1.7444	-0.0043	4.9218	0.0127	0.132	0.0122	0.1569
895	10.3	10.3	3.1827	1.7439	-0.0044	4.9222	-0.0061	0.1411	0.0145	0.1494
896	11	10.3	3.1824	1.7437	-0.0044	4.9217	-0.0242	0.1458	0.0141	0.1356
897	10.5	10.3	3.183	1.7427	-0.0041	4.9216	-0.0308	0.1423	0.0127	0.1241
898	10	10.3	3.1832	1.7429	-0.004	4.9221	-0.0365	0.142	0.0065	0.1119
899	10.1	10.3	3.1847	1.7412	-0.0041	4.9218	-0.0476	0.1438	-0.0013	0.0949
900	9.89	10.3	3.186	1.7403	-0.0041	4.9223	-0.0495	0.1321	-0.0098	0.0728
901	10.2	10.3	3.1875	1.7391	-0.004	4.9225	-0.0308	0.1217	-0.0138	0.0771
902	10.1	10.4	3.1901	1.7386	-0.0038	4.9249	-0.0257	0.1142	-0.011	0.0774
903	10.1	10.4	3.1902	1.737	-0.0038	4.9234	-0.0196	0.1039	-0.0122	0.0722
904	10.1	10.4	3.1884	1.7369	-0.0037	4.9216	-0.0265	0.1057	-0.016	0.0633
905	10.8	10.4	3.188	1.7365	-0.0035	4.921	-0.015	0.0926	-0.0233	0.0543
906	10.2	10.4	3.1878	1.7361	-0.0034	4.9205	0.0116	0.0637	-0.025	0.0503
907	10.3	10.4	3.1851	1.7385	-0.0034	4.9202	0.0228	0.0521	-0.0232	0.0517
908	10.4	10.5	3.1856	1.7381	-0.0035	4.9203	0.0285	0.0504	-0.0199	0.0591
909	10.7	10.5	3.186	1.7374	-0.0035	4.9199	0.0276	0.0569	-0.0159	0.0686
910	10.5	10.6	3.1862	1.7369	-0.0035	4.9196	0.0386	0.0343	-0.009	0.0639
911	10.2	10.6	3.1861	1.7371	-0.0034	4.9198	0.0282	0.0477	-0.009	0.067
912	11	10.6	3.1855	1.7373	-0.0032	4.9196	0.0455	0.041	-0.0011	0.0854
913	11.1	10.6	3.184	1.7384	-0.003	4.9194	0.0716	0.0406	-0.0021	0.1101
914	10.4	10.6	3.1833	1.7397	-0.0031	4.9199	0.0784	0.0344	0.004	0.1168
915	11.1	10.6	3.1823	1.741	-0.003	4.9203	0.068	0.0492	0.0073	0.1245
916	10.8	10.7	3.1826	1.7412	-0.0028	4.9211	0.0522	0.0782	0.0076	0.138

917	11.2	10.7	3.1803	1.7434	-0.0028	4.9209	0.0365	0.0945	0.008	0.139
918	10.7	10.7	3.1784	1.7446	-0.0029	4.92	0.035	0.0894	0.0102	0.1346
919	10.5	10.7	3.1783	1.745	-0.003	4.9203	0.0194	0.0999	0.013	0.1323
920	10.7	10.7	3.1775	1.7449	-0.0031	4.9193	0.0178	0.1063	0.0117	0.1358
921	10.5	10.7	3.1763	1.7453	-0.0034	4.9183	0.0068	0.1209	0.0049	0.1327
922	10.5	10.7	3.1766	1.7451	-0.0037	4.9179	-0.0085	0.1345	0.0021	0.1282
923	10.3	10.7	3.177	1.7447	-0.0043	4.9174	-0.0057	0.1343	0.0008	0.1294
924	11.2	10.8	3.1776	1.7439	-0.0046	4.9168	-0.0021	0.1214	-0.0029	0.1165
925	11	10.8	3.1791	1.742	-0.0049	4.9162	-0.0122	0.1205	-0.003	0.1054
926	11.3	10.8	3.1803	1.7409	-0.0051	4.9161	-0.016	0.1196	-0.006	0.0977
927	9.93	10.8	3.1797	1.7406	-0.0054	4.9149	-0.0272	0.1351	-0.0064	0.1015
928	10.4	10.7	3.1796	1.7407	-0.0053	4.915	-0.0302	0.139	-0.0086	0.1003
929	10.3	10.7	3.1796	1.7403	-0.0051	4.9148	-0.0216	0.1318	-0.01	0.1001
930	11	10.7	3.1792	1.74	-0.0049	4.9142	-0.0163	0.1387	-0.0113	0.111
931	11.2	10.7	3.179	1.7402	-0.0045	4.9147	-0.0135	0.1397	-0.0112	0.115
932	11.1	10.7	3.1789	1.741	-0.0042	4.9157	-0.0416	0.1616	-0.0101	0.1099
933	11.3	10.7	3.179	1.7418	-0.0042	4.9167	-0.0499	0.1679	-0.0072	0.1109
934	11	10.7	3.1798	1.7415	-0.0043	4.917	-0.0196	0.1352	-0.0091	0.1065
935	10.3	10.7	3.1793	1.742	-0.0045	4.9168	-0.0364	0.1677	-0.0121	0.1192
936	11.2	10.6	3.1791	1.7419	-0.0044	4.9166	-0.0221	0.1383	-0.0132	0.103
937	10.4	10.7	3.1776	1.7433	-0.0045	4.9165	-0.0187	0.1237	-0.0143	0.0907
938	10	10.7	3.1792	1.7416	-0.0046	4.9161	0.012	0.0861	-0.0149	0.0833
939	10.1	10.7	3.1785	1.7418	-0.0048	4.9156	-0.001	0.0974	-0.0174	0.079
940	10.8	10.7	3.1803	1.7408	-0.0045	4.9167	-0.0038	0.089	-0.0177	0.0675
941	10.6	10.7	3.1801	1.741	-0.0047	4.9164	0.0056	0.0741	-0.0126	0.0671
942	10.8	10.6	3.1801	1.7401	-0.0048	4.9154	0.0469	0.0481	-0.0103	0.0847
943	10.8	10.6	3.1806	1.7394	-0.0048	4.9152	0.0512	0.0506	-0.0057	0.0961
944	10.4	10.6	3.1815	1.7389	-0.0048	4.9156	0.0558	0.067	-0.0003	0.1225
945	10.6	10.6	3.1821	1.7387	-0.0045	4.9163	0.0759	0.0664	0.0051	0.1474
946	10.6	10.6	3.1818	1.7394	-0.0043	4.9169	0.0965	0.0519	0.0093	0.1578
947	10.5	10.6	3.1822	1.7392	-0.0041	4.9173	0.095	0.0585	0.0129	0.1663
948	10.9	10.7	3.1826	1.739	-0.0035	4.918	0.0633	0.1014	0.0163	0.1811
949	10.1	10.7	3.182	1.7399	-0.0031	4.9188	0.0533	0.1304	0.0174	0.201
950	11.1	10.7	3.1811	1.7409	-0.003	4.9189	0.0608	0.1197	0.0162	0.1967
951	10.3	10.7	3.1811	1.741	-0.0032	4.9188	0.0736	0.1121	0.0118	0.1975
952	11.1	10.7	3.181	1.741	-0.0034	4.9186	0.0864	0.0873	0.0075	0.1812
953	10.7	10.7	3.1817	1.7399	-0.0034	4.9183	0.1284	0.0641	0.0083	0.2007

954	10.6	10.7	3.1807	1.7406	-0.0031	4.9182	0.1241	0.0454	0.0074	0.1769
955	10.9	10.7	3.1785	1.7428	-0.0029	4.9184	0.0991	0.0458	0.0116	0.1565
956	11.1	10.7	3.1789	1.7425	-0.003	4.9185	0.0952	0.0434	0.0101	0.1487
957	11	10.6	3.1789	1.7418	-0.0031	4.9175	0.0912	0.0468	0.012	0.1499
958	10.1	10.6	3.1791	1.741	-0.0033	4.9168	0.0465	0.0748	0.0118	0.1331
959	10.7	10.7	3.1783	1.7423	-0.0034	4.9172	0.008	0.0818	0.011	0.1008
960	10.7	10.7	3.1793	1.7407	-0.0032	4.9168	0.0104	0.1033	0.0114	0.1251
961	11	10.7	3.1779	1.7419	-0.0035	4.9163	0.0254	0.088	0.0106	0.124
962	10.5	10.7	3.1764	1.7426	-0.0033	4.9157	-0.0002	0.1114	0.0097	0.1209
963	10.2	10.8	3.176	1.7426	-0.0037	4.915	-0.0182	0.1185	0.0102	0.1105
964	10.4	10.8	3.177	1.7411	-0.004	4.914	-0.029	0.1243	0.0094	0.1047
965	10.3	10.8	3.1792	1.7382	-0.0041	4.9133	-0.0349	0.1353	0.0065	0.1069
966	10.3	10.7	3.1808	1.7367	-0.0042	4.9133	-0.0395	0.1434	0.0044	0.1083
967	10.8	10.8	3.181	1.7369	-0.0042	4.9136	-0.0337	0.1419	0.0069	0.1151
968	10.9	10.9	3.182	1.7363	-0.0043	4.914	-0.0007	0.1033	0.0098	0.1124
969	11.2	10.9	3.1816	1.7368	-0.0043	4.9141	0.0064	0.1025	0.0086	0.1175
970	11.3	10.9	3.1822	1.736	-0.0039	4.9142	-0.0358	0.1371	0.0064	0.1078
971	11.3	10.9	3.1829	1.7353	-0.0038	4.9143	-0.0594	0.1594	0.0039	0.104
972	11.1	10.9	3.1823	1.7357	-0.0039	4.9141	-0.0741	0.1671	0.0004	0.0934
973	11.4	10.9	3.1827	1.7358	-0.0041	4.9144	-0.0765	0.166	-0.0035	0.086
974	10.2	11	3.1845	1.7346	-0.0041	4.9151	-0.068	0.1587	-0.0085	0.0822
975	10.7	11	3.1838	1.7354	-0.0039	4.9153	-0.0487	0.1398	-0.0105	0.0806
976	11.6	11	3.1842	1.7345	-0.0038	4.9149	-0.0229	0.1119	-0.011	0.078
977	11.6	11	3.184	1.7341	-0.0037	4.9144	-0.0178	0.1136	-0.0121	0.0838
978	11.1	10.9	3.1831	1.7344	-0.0038	4.9137	-0.0185	0.1056	-0.014	0.0731
979	10.8	10.9	3.1826	1.7339	-0.0039	4.9126	0.0015	0.0862	-0.0158	0.0719
980	10.7	10.9	3.1821	1.7341	-0.004	4.9122	0.0157	0.0715	-0.0154	0.0717
981	11.3	10.8	3.1852	1.7312	-0.004	4.9124	0.0109	0.0688	-0.0103	0.0695
982	10.6	10.8	3.1855	1.7307	-0.0041	4.9122	-0.0081	0.0897	-0.004	0.0776
983	11	10.8	3.1822	1.7339	-0.0042	4.9119	-0.0034	0.0922	-0.0012	0.0876
984	11	10.8	3.184	1.7311	-0.0041	4.911	0.0045	0.0966	0.0014	0.1024
985	10.4	10.8	3.1841	1.7326	-0.0041	4.9126	0.0105	0.0979	0.0013	0.1098
986	10	10.7	3.1836	1.7333	-0.0042	4.9127	0.0098	0.0965	-0.0012	0.105
987	10.1	10.7	3.1819	1.7342	-0.0039	4.9121	0.0088	0.0969	-0.0019	0.1038
988	10.8	10.6	3.1832	1.7326	-0.0035	4.9123	-0.0076	0.1186	-0.0037	0.1073
989	10.8	10.6	3.1828	1.7331	-0.0033	4.9126	-0.0032	0.1094	-0.0032	0.1031
990	10.2	10.6	3.1801	1.7352	-0.0034	4.9119	0.0101	0.0948	-0.0067	0.0982

991	10.7	10.6	3.1758	1.738	-0.0036	4.9103	0.0303	0.0831	-0.0043	0.1091
992	11.4	10.6	3.1752	1.7387	-0.004	4.9099	0.0448	0.0753	-0.0066	0.1135
993	10.3	10.6	3.1754	1.7376	-0.0044	4.9087	0.0565	0.057	-0.0077	0.1058
994	10.6	10.5	3.1741	1.7378	-0.0048	4.907	0.0641	0.0598	-0.0066	0.1173
995	10.4	10.5	3.1731	1.7387	-0.0053	4.9064	0.0603	0.0769	-0.0046	0.1326
996	10.2	10.6	3.1729	1.7378	-0.0056	4.9051	0.0603	0.0864	0.0018	0.1484
997	10.6	10.6	3.1767	1.7326	-0.0058	4.9035	0.072	0.0815	0.0076	0.161
998	10.7	10.5	3.1779	1.7299	-0.0058	4.902	0.0741	0.0834	0.0137	0.1711
999	10.2	10.5	3.1786	1.7293	-0.0057	4.9021	0.04	0.1159	0.0219	0.1778
1000	10.6	10.5	3.1787	1.7291	-0.0053	4.9025	0.0542	0.1162	0.0288	0.1992
1001	11	10.5	3.1788	1.7304	-0.0048	4.9044	-0.0015	0.1921	0.0308	0.2213
1002	10.9	10.4	3.1773	1.7322	-0.0047	4.9048	-0.0032	0.1946	0.0255	0.2169
1003	10.4	10.4	3.1778	1.7325	-0.0045	4.9057	0.0127	0.196	0.0206	0.2294
1004	10.4	10.4	3.1784	1.7324	-0.0049	4.906	0.014	0.1878	0.0132	0.215
1005	10.6	10.3	3.1785	1.7322	-0.0045	4.9061	-0.0185	0.2044	0.0133	0.1992
1006	10.5	10.4	3.1787	1.7314	-0.0046	4.9055	-0.0665	0.244	0.0146	0.1921
1007	10.1	10.3	3.1805	1.731	-0.0046	4.9069	-0.0687	0.245	0.0143	0.1907
1008	9.68	10.3	3.1848	1.73	-0.0046	4.9102	-0.0797	0.2492	0.0142	0.1837
1009	10.4	10.3	3.1849	1.7271	-0.0046	4.9074	-0.0759	0.2448	0.0125	0.1815
1010	10.3	10.3	3.1837	1.7281	-0.0045	4.9072	-0.0416	0.225	0.0111	0.1945
1011	10.1	10.3	3.1861	1.7259	-0.0043	4.9077	-0.0086	0.1985	0.0154	0.2053
1012	9.8	10.3	3.1873	1.7254	-0.0042	4.9086	-0.0154	0.2068	0.0131	0.2045
1013	10.3	10.3	3.1869	1.726	-0.004	4.9089	0.0115	0.1582	0.0145	0.1842
1014	10	10.3	3.1867	1.7262	-0.0037	4.9092	0.0405	0.1393	0.0152	0.195
1015	10.4	10.2	3.1863	1.7267	-0.0034	4.9095	0.0315	0.1392	0.0138	0.1846
1016	10.5	10.2	3.186	1.727	-0.0035	4.9096	0.0724	0.0896	0.0133	0.1754
1017	10.5	10.2	3.1804	1.7331	-0.0038	4.9097	0.0719	0.0874	0.0124	0.1717
1018	10.3	10.2	3.1777	1.7343	-0.0038	4.9083	0.0648	0.0898	0.0135	0.1681
1019	10.1	10.2	3.1818	1.7313	-0.0037	4.9095	0.0685	0.0816	0.0132	0.1632
1020	10.5	10.2	3.1834	1.729	-0.0035	4.9089	0.0601	0.08	0.0151	0.1552
1021	10.3	10.2	3.1837	1.7286	-0.0034	4.909	0.0585	0.0692	0.0181	0.1457
1022	10.3	10.2	3.1842	1.7285	-0.0034	4.9093	0.0614	0.062	0.0173	0.1407
1023	10.3	10.3	3.1838	1.7288	-0.0034	4.9092	0.0487	0.0698	0.015	0.1335
1024	10.2	10.3	3.1824	1.7299	-0.0036	4.9088	0.0468	0.0683	0.012	0.1271
1025	10.1	10.4	3.1814	1.7308	-0.0038	4.9084	0.0605	0.0581	0.0093	0.128
1026	10.4	10.5	3.182	1.7295	-0.0039	4.9077	0.0475	0.0706	0.0092	0.1273
1027	9.53	10.5	3.1815	1.73	-0.004	4.9076	0.0466	0.0629	0.0092	0.1187

1028	10.1	10.6	3.1795	1.7321	-0.0037	4.9078	0.0402	0.0605	0.0093	0.11
1029	9.7	10.6	3.178	1.7331	-0.0035	4.9076	0.03	0.0633	0.0098	0.1031
1030	10.3	10.7	3.1781	1.7331	-0.0039	4.9073	0.0217	0.059	0.0099	0.0905
1031	11	10.7	3.1798	1.7313	-0.0041	4.907	0.0142	0.0608	0.008	0.083
1032	10.9	10.8	3.1792	1.7318	-0.0041	4.907	0.0454	0.0328	0.0077	0.0859
1033	11.2	10.8	3.1786	1.7321	-0.0043	4.9064	0.0539	0.024	0.0071	0.085
1034	11.7	10.9	3.1787	1.7317	-0.0044	4.906	0.0216	0.0568	0.0043	0.0827
1035	11.8	11	3.1783	1.7324	-0.0043	4.9063	0.0438	0.0281	0.0031	0.075
1036	11	11	3.1782	1.7322	-0.0042	4.9062	0.0481	0.0428	0.0029	0.0938
1037	11.6	11.1	3.1784	1.7314	-0.0041	4.9057	0.0374	0.05	0.0057	0.0931
1038	11.2	11.1	3.1795	1.7306	-0.0043	4.9058	0.0139	0.0642	0.011	0.0891
1039	11.8	11.2	3.1775	1.7324	-0.0041	4.9058	0.0274	0.0537	0.0177	0.0988
1040	11.1	11.2	3.1773	1.7325	-0.0041	4.9058	0.0301	0.0622	0.0202	0.1125
1041	11	11.3	3.1757	1.7334	-0.004	4.9051	0.0049	0.0887	0.0218	0.1155
1042	11.5	11.3	3.1744	1.7344	-0.004	4.9048	-0.0331	0.118	0.023	0.1079
1043	11.5	11.3	3.1741	1.7334	-0.0041	4.9034	-0.0332	0.129	0.0187	0.1145
1044	11.4	11.3	3.1754	1.7312	-0.0043	4.9023	-0.0235	0.1219	0.0145	0.1129
1045	11	11.2	3.1761	1.73	-0.0047	4.9014	-0.0328	0.1301	0.0115	0.1087
1046	11.1	11.2	3.1746	1.7313	-0.0051	4.9008	-0.0476	0.1447	0.0022	0.0993
1047	10.8	11.1	3.1748	1.7308	-0.0054	4.9002	-0.044	0.1396	-0.0024	0.0933
1048	11.1	11	3.1786	1.7274	-0.0057	4.9002	-0.0154	0.0987	-0.0049	0.0785
1049	11	11	3.1766	1.7282	-0.006	4.8988	-0.0021	0.0776	-0.0071	0.0684
1050	11.4	10.9	3.1812	1.7217	-0.0061	4.8968	0.0037	0.0688	-0.0077	0.0649
1051	11.2	10.9	3.1814	1.7215	-0.0058	4.8971	-0.0057	0.0653	-0.0015	0.0581
1052	10.8	10.9	3.1797	1.7214	-0.0055	4.8957	-0.0143	0.0775	0.0033	0.0665
1053	11.5	10.9	3.1803	1.7211	-0.0047	4.8967	-0.0349	0.0976	0.0023	0.0649
1054	10.8	10.8	3.1826	1.7201	-0.0044	4.8983	-0.0418	0.1024	0.002	0.0626
1055	10.4	10.8	3.1851	1.7184	-0.0044	4.8992	-0.0354	0.0929	0.0005	0.058
1056	10.2	10.8	3.1858	1.718	-0.0044	4.8994	-0.0368	0.0855	0.0057	0.0544
1057	9.97	10.7	3.1869	1.7168	-0.0046	4.8991	-0.0403	0.0826	0.005	0.0473
1058	10.4	10.7	3.1867	1.7165	-0.0045	4.8987	-0.0164	0.0795	0.005	0.0681
1059	10.8	10.6	3.1825	1.7198	-0.0045	4.8978	0.0247	0.0758	0.004	0.1045
1060	10.6	10.6	3.1801	1.7208	-0.0047	4.8962	0.0392	0.0343	0.0033	0.0768
1061	11.1	10.6	3.1794	1.7212	-0.0048	4.8959	0.039	0.0339	0.0078	0.0807
1062	11.1	10.5	3.1753	1.7268	-0.0048	4.8972	0.0771	0.0012	0.0138	0.092
1063	10.8	10.4	3.172	1.7287	-0.0052	4.8955	0.0883	0.0034	0.0155	0.1072
1064	10.5	10.4	3.1738	1.7272	-0.0054	4.8956	0.0849	0.0114	0.0169	0.1132

1065	10.1	10.4	3.172	1.7292	-0.0055	4.8957	0.076	0.0159	0.0196	0.1115
1066	9.78	10.4	3.1736	1.728	-0.0054	4.8961	0.0645	0.0201	0.0232	0.1078
1067	10.1	10.4	3.1745	1.7279	-0.0055	4.8968	0.0594	0.0235	0.0209	0.1038
1068	10.5	10.3	3.1751	1.7282	-0.0057	4.8976	-0.0045	0.0903	0.0154	0.1011
1069	10.6	10.2	3.1756	1.7288	-0.0058	4.8985	-0.0371	0.1063	0.0151	0.0842
1070	10.6	10.2	3.1763	1.7291	-0.0058	4.8997	-0.0026	0.0778	0.0152	0.0904
1071	9.98	10.1	3.1767	1.7291	-0.0055	4.9003	0.005	0.0562	0.0122	0.0734
1072	10.2	9.97	3.1774	1.7287	-0.0054	4.9007	0.0041	0.0498	0.0088	0.0627
1073	9.67	9.9	3.178	1.7289	-0.0053	4.9016	0.0083	0.0474	0.008	0.0637
1074	10.4	9.87	3.1785	1.7288	-0.005	4.9023	0.005	0.0469	0.008	0.0599
1075	10.1	9.82	3.1791	1.7284	-0.0048	4.9026	-0.007	0.0572	0.0069	0.0571
1076	9.64	9.86	3.1795	1.7283	-0.0047	4.9031	-0.0156	0.0712	0.0073	0.0629
1077	9.31	9.85	3.18	1.7281	-0.0046	4.9035	-0.0147	0.0651	0.0101	0.0605
1078	9.55	9.87	3.1801	1.728	-0.0047	4.9034	-0.0199	0.0675	0.0124	0.06
1079	9.29	9.89	3.1804	1.728	-0.0049	4.9036	-0.0356	0.0865	0.0183	0.0692
1080	9.06	9.89	3.1806	1.728	-0.0048	4.9039	-0.0453	0.0959	0.0249	0.0754
1081	9.2	9.93	3.1807	1.7279	-0.0048	4.9038	-0.048	0.1037	0.0221	0.0778
1082	9.41	9.95	3.1801	1.7283	-0.0048	4.9037	-0.0256	0.0911	0.0196	0.0851
1083	9.91	9.98	3.1801	1.7282	-0.0046	4.9037	-0.0151	0.0947	0.0202	0.0998
1084	9.31	9.98	3.1796	1.7282	-0.0044	4.9035	-0.0167	0.0977	0.0182	0.0992
1085	10.5	10	3.1793	1.7284	-0.0044	4.9033	-0.0107	0.0982	0.0186	0.106
1086	10.1	10.1	3.1799	1.7283	-0.0047	4.9034	-0.0106	0.1127	0.0207	0.1228
1087	10.7	10.1	3.1805	1.7278	-0.005	4.9032	-0.0092	0.1178	0.0236	0.1322
1088	11.1	10.2	3.1804	1.7272	-0.0052	4.9024	-0.0045	0.1199	0.0268	0.1422
1089	10.5	10.3	3.1798	1.7269	-0.0053	4.9013	0.0086	0.1175	0.0245	0.1506
1090	10.7	10.4	3.1796	1.7264	-0.0056	4.9004	-0.0114	0.1351	0.0232	0.1469
1091	10.6	10.5	3.1792	1.7262	-0.0059	4.8995	-0.0162	0.1323	0.0221	0.1382
1092	10.2	10.6	3.1785	1.7258	-0.0059	4.8985	-0.0326	0.1373	0.0186	0.1232
1093	10.4	10.6	3.1777	1.7255	-0.0058	4.8974	-0.0524	0.1436	0.0177	0.1089
1094	10.7	10.7	3.1774	1.7248	-0.006	4.8962	-0.0579	0.1256	0.0155	0.0832
1095	11	10.7	3.1778	1.7242	-0.0056	4.8965	-0.0499	0.0952	0.0103	0.0557
1096	10.6	10.8	3.1773	1.7239	-0.0054	4.8958	-0.0452	0.0762	0.0056	0.0366
1097	11.2	10.8	3.1782	1.7227	-0.0053	4.8956	-0.0576	0.0881	0.0021	0.0326
1098	10.9	10.9	3.1781	1.7221	-0.0051	4.8951	-0.0529	0.0788	-0.0014	0.0246
1099	11	10.9	3.1782	1.7224	-0.0049	4.8956	-0.0163	0.0457	-0.0024	0.027
1100	11	10.9	3.1793	1.7226	-0.0051	4.8967	-0.0382	0.06	-0.0038	0.018
1101	10.5	10.9	3.1802	1.7227	-0.0051	4.8978	-0.0017	-0.0016	-0.0043	-0.0076

1102	10.8	11	3.1808	1.7224	-0.0049	4.8983	-0.0041	0.0034	-0.0001	-0.0008
1103	10.7	11	3.182	1.7222	-0.0047	4.8994	-0.0146	0.0054	0.0014	-0.0078
1104	11.3	11	3.182	1.7231	-0.0049	4.9002	-0.0095	0.0027	0.0089	0.0021
1105	11.3	11	3.1822	1.7236	-0.0051	4.9007	0.0024	-0.0042	0.014	0.0122
1106	11.5	11	3.1827	1.7231	-0.0051	4.9008	0.0227	-0.0176	0.0143	0.0194
1107	11.3	10.9	3.1821	1.7231	-0.0051	4.9001	0.0307	-0.0169	0.0124	0.0262
1108	10.8	10.9	3.1824	1.7224	-0.005	4.8998	0.0411	-0.0274	0.0081	0.0219
1109	11.6	10.9	3.181	1.7236	-0.0049	4.8997	0.039	-0.0302	0.0073	0.0161
1110	10.8	10.8	3.1798	1.7247	-0.0053	4.8991	0.0011	0.0008	0.0057	0.0076
1111	11.2	10.8	3.1784	1.7258	-0.0057	4.8985	-0.0226	0.0128	0.0005	-0.0093
1112	11.1	10.8	3.1785	1.7251	-0.0057	4.8979	-0.0302	0.0147	-0.0004	-0.0158
1113	10.7	10.8	3.1784	1.7248	-0.0056	4.8976	-0.0675	0.0678	0	0.0004
1114	10.4	10.7	3.1791	1.7246	-0.0057	4.898	-0.0917	0.0808	-0.0034	-0.0143
1115	10.5	10.7	3.1798	1.7247	-0.0058	4.8987	-0.0659	0.0617	-0.0034	-0.0076
1116	10.5	10.6	3.1801	1.7247	-0.0056	4.8992	-0.0863	0.082	-0.0028	-0.0071
1117	9.93	10.6	3.1808	1.7241	-0.0053	4.8996	-0.075	0.0738	-0.0014	-0.0026
1118	10.4	10.6	3.1815	1.7237	-0.0053	4.8998	-0.0713	0.0655	-0.0047	-0.0106
1119	10.2	10.5	3.1821	1.7235	-0.0052	4.9005	-0.0712	0.0685	-0.008	-0.0107
1120	10.5	10.5	3.1829	1.7234	-0.0048	4.9015	-0.0594	0.0705	-0.0107	0.0004
1121	10.5	10.4	3.1833	1.7236	-0.0043	4.9027	-0.057	0.077	-0.0074	0.0126
1122	10.4	10.4	3.1834	1.7237	-0.0042	4.9029	-0.0575	0.0791	-0.0043	0.0173
1123	10.3	10.4	3.1833	1.7241	-0.0042	4.9032	-0.0517	0.0769	-0.0052	0.0201
1124	10.2	10.4	3.1831	1.7242	-0.0043	4.9031	-0.0422	0.0806	-0.0044	0.0341
1125	10.7	10.4	3.183	1.7237	-0.0045	4.9021	-0.0281	0.0796	-0.0008	0.0506
1126	10.7	10.4	3.1835	1.723	-0.0049	4.9016	-0.0171	0.0774	0.0004	0.0607
1127	10.2	10.4	3.1835	1.7232	-0.0052	4.9016	-0.0075	0.0698	0.0012	0.0635
1128	9.86	10.4	3.183	1.7234	-0.0055	4.9009	-0.0027	0.0631	0.0017	0.062
1129	10.7	10.5	3.1826	1.7235	-0.006	4.9001	-0.0054	0.0717	0.0007	0.067
1130	10.7	10.5	3.1829	1.7227	-0.0061	4.8995	0.0001	0.071	0.0015	0.0726
1131	9.87	10.6	3.1824	1.7222	-0.0061	4.8984	-0.0063	0.0773	0.0028	0.0738
1132	10.6	10.7	3.1808	1.7224	-0.0061	4.897	-0.0061	0.0782	0.0046	0.0767
1133	10.6	10.7	3.1802	1.7224	-0.0061	4.8965	-0.0097	0.0826	0.0046	0.0775
1134	10.8	10.7	3.1798	1.7219	-0.0063	4.8954	-0.0051	0.0759	0.0057	0.0765
1135	10.6	10.7	3.1793	1.7211	-0.0064	4.894	-0.0082	0.0746	0.0079	0.0743
1136	10.3	10.7	3.1791	1.7204	-0.0066	4.893	-0.017	0.0795	0.0086	0.0711
1137	10.7	10.7	3.1789	1.7195	-0.0068	4.8915	-0.0235	0.0923	0.0048	0.0736
1138	11.2	10.7	3.1787	1.7189	-0.0067	4.8908	-0.0262	0.0999	0.0016	0.0752

1139	11.4	10.7	3.1786	1.7188	-0.0064	4.8911	-0.0163	0.0865	0.0006	0.0708
1140	11.9	10.7	3.1789	1.7193	-0.0063	4.8919	-0.022	0.0853	0.0007	0.064
1141	11.2	10.7	3.1789	1.7197	-0.0059	4.8928	-0.0237	0.0834	-0.0001	0.0596
1142	10.4	10.7	3.1797	1.72	-0.0058	4.8939	-0.0387	0.0962	-0.0045	0.0529
1143	11.2	10.6	3.1799	1.7209	-0.0057	4.8951	-0.041	0.0867	-0.005	0.0407
1144	10.3	10.6	3.1804	1.7217	-0.0054	4.8967	-0.0471	0.0831	-0.0043	0.0317
1145	10.7	10.6	3.1806	1.7224	-0.0052	4.8978	-0.0563	0.0816	-0.0061	0.0193
1146	10.3	10.6	3.1804	1.7225	-0.0053	4.8976	-0.0524	0.0738	-0.0026	0.0188
1147	10.1	10.6	3.1801	1.723	-0.0053	4.8977	-0.0545	0.072	0.0003	0.0177
1148	10.2	10.5	3.1802	1.7228	-0.0055	4.8975	-0.0553	0.072	0.0021	0.0189
1149	10.4	10.5	3.1804	1.7222	-0.0056	4.897	-0.043	0.0588	0.0059	0.0218
1150	10	10.4	3.1814	1.7218	-0.0057	4.8976	-0.049	0.065	0.0075	0.0235
1151	10.1	10.3	3.1818	1.7212	-0.0058	4.8972	-0.0297	0.0624	0.0076	0.0404
1152	9.96	10.3	3.1812	1.7209	-0.0056	4.8964	-0.0138	0.066	0.0087	0.0609
1153	10	10.3	3.1813	1.7209	-0.0056	4.8965	0.0128	0.0399	0.0097	0.0624
1154	10.1	10.2	3.1823	1.7205	-0.0058	4.8971	0.0182	0.0456	0.0101	0.0739
1155	10.4	10.2	3.1829	1.7202	-0.0058	4.8973	0.0187	0.0564	0.0103	0.0854
1156	10.7	10.2	3.1827	1.7197	-0.0056	4.8968	0.0118	0.0734	0.0092	0.0944
1157	10.2	10.2	3.1827	1.7196	-0.0054	4.8969	0.0102	0.08	0.007	0.0972
1158	10.4	10.2	3.1828	1.7195	-0.0053	4.8971	0.0051	0.0735	0.0021	0.0807
1159	10.4	10.2	3.1823	1.7197	-0.0051	4.897	0.01	0.0535	-0.001	0.0626
1160	10.2	10.2	3.1824	1.7196	-0.0048	4.8972	-0.0046	0.0603	-0.0028	0.0529
1161	10.3	10.3	3.1825	1.7197	-0.0048	4.8974	-0.0209	0.0601	-0.007	0.0323
1162	10.3	10.3	3.182	1.72	-0.0048	4.8972	-0.0266	0.0667	-0.0122	0.0279
1163	10	10.3	3.1812	1.7206	-0.0049	4.8969	-0.0309	0.0662	-0.0092	0.0261
1164	9.82	10.3	3.1804	1.721	-0.0051	4.8963	-0.0236	0.0621	-0.0085	0.0301
1165	10.8	10.3	3.1806	1.7211	-0.0052	4.8964	-0.0177	0.0571	-0.0092	0.0303
1166	9.96	10.3	3.1811	1.7206	-0.0053	4.8964	-0.021	0.0678	-0.0104	0.0365
1167	10.3	10.4	3.1816	1.7213	-0.0051	4.8979	-0.0251	0.0781	-0.0071	0.0459
1168	10.3	10.4	3.1823	1.7213	-0.0049	4.8987	-0.0315	0.0898	-0.002	0.0564
1169	10.4	10.4	3.1815	1.7217	-0.0048	4.8985	-0.0377	0.1047	0.0016	0.0686
1170	10.5	10.4	3.182	1.7214	-0.005	4.8984	-0.0358	0.1117	0.0028	0.0787
1171	10.8	10.4	3.1825	1.7212	-0.0051	4.8985	-0.0308	0.1158	0.0057	0.0907
1172	10.1	10.4	3.1826	1.721	-0.0049	4.8987	-0.0429	0.1343	0.0062	0.0975
1173	10.1	10.5	3.1822	1.7209	-0.0049	4.8982	-0.037	0.1297	0.0034	0.0961
1174	10.6	10.5	3.1813	1.7209	-0.0049	4.8972	-0.0314	0.1287	0.0001	0.0974
1175	10.9	10.5	3.1808	1.7206	-0.0048	4.8965	-0.0077	0.1203	0.0011	0.1136

1176	10.6	10.5	3.1802	1.7213	-0.0048	4.8967	0.0247	0.0685	-0.0019	0.0913
1177	10.8	10.5	3.1803	1.7217	-0.0048	4.8972	0.0287	0.0595	-0.0054	0.0828
1178	10.7	10.5	3.1807	1.7209	-0.0048	4.8967	0.0203	0.0698	-0.0113	0.0789
1179	10.3	10.5	3.1804	1.7209	-0.005	4.8963	0.02	0.062	-0.0155	0.0665
1180	10.8	10.5	3.1813	1.7203	-0.0051	4.8965	0.0164	0.0582	-0.0173	0.0574
1181	10.6	10.6	3.1813	1.7201	-0.0052	4.8961	-0.0037	0.0684	-0.0149	0.0499
1182	10.7	10.6	3.1811	1.7201	-0.0053	4.8959	-0.0036	0.0692	-0.0134	0.0522
1183	10.3	10.6	3.1806	1.7206	-0.0052	4.896	0.0263	0.0291	-0.0152	0.0402
1184	10.2	10.6	3.1804	1.7208	-0.0052	4.896	0.0401	0.0095	-0.0162	0.0334
1185	10.4	10.6	3.181	1.7204	-0.0053	4.8962	0.0422	0.0071	-0.0167	0.0326
1186	11	10.6	3.1822	1.7191	-0.0052	4.8961	0.0262	0.0191	-0.0152	0.0301
1187	10.6	10.6	3.1831	1.7178	-0.0052	4.8957	-0.0089	0.0481	-0.0158	0.0235
1188	10.3	10.6	3.1821	1.7186	-0.0053	4.8954	-0.0152	0.0493	-0.015	0.0191
1189	10.7	10.6	3.182	1.7183	-0.0054	4.8949	-0.0131	0.0435	-0.0142	0.0162
1190	11.1	10.6	3.182	1.718	-0.0056	4.8944	0.0037	0.032	-0.0102	0.0254
1191	10.3	10.6	3.183	1.7166	-0.0054	4.8942	0.0125	0.0349	-0.0098	0.0376
1192	10.6	10.6	3.1826	1.7172	-0.0054	4.8944	-0.0191	0.066	-0.0061	0.0408
1193	10.7	10.6	3.1825	1.7171	-0.0054	4.8942	-0.0603	0.1226	-0.0056	0.0568
1194	11.1	10.6	3.183	1.7166	-0.0054	4.8942	-0.0928	0.1812	-0.0074	0.081
1195	10.8	10.6	3.1831	1.7168	-0.0053	4.8946	-0.1557	0.2506	-0.0086	0.0863
1196	10.6	10.6	3.1828	1.7167	-0.0054	4.894	-0.1935	0.2914	-0.0082	0.0897
1197	10.1	10.6	3.1837	1.7155	-0.0055	4.8937	-0.2483	0.3471	-0.0096	0.0891
1198	10.2	10.6	3.1824	1.7162	-0.0057	4.8929	-0.2744	0.363	-0.0098	0.0788
1199	10.5	10.7	3.1831	1.7159	-0.0057	4.8933	-0.2648	0.3504	-0.013	0.0726
1200	10.7	10.7	3.1822	1.7163	-0.0059	4.8927	-0.2424	0.325	-0.0142	0.0685
1201	10.3	10.7	3.1816	1.7161	-0.006	4.8917	-0.1942	0.2836	-0.0162	0.0733
1202	11	10.8	3.1795	1.7184	-0.0059	4.8921	-0.1994	0.2869	-0.0185	0.069
1203	11	10.8	3.1801	1.7177	-0.0057	4.892	-0.235	0.3083	-0.0151	0.0582
1204	10.1	10.8	3.1801	1.7174	-0.0059	4.8916	-0.2203	0.3022	-0.0101	0.0719
1205	10.7	10.8	3.181	1.7163	-0.006	4.8913	-0.1653	0.2517	-0.0096	0.0768
1206	10.4	10.8	3.1817	1.7152	-0.0058	4.891	-0.0997	0.1881	-0.0099	0.0785
1207	10.7	10.8	3.1816	1.7157	-0.0053	4.892	-0.0501	0.144	-0.0045	0.0894
1208	11.4	10.8	3.1814	1.717	-0.0049	4.8935	0.005	0.0916	-0.0007	0.0959
1209	11.4	10.8	3.1815	1.7176	-0.0046	4.8944	0.0205	0.0838	0.005	0.1093
1210	11.5	10.8	3.1818	1.7187	-0.0046	4.8959	0.0407	0.0657	0.0034	0.1098
1211	11.3	10.8	3.1811	1.7191	-0.0045	4.8957	0.0618	0.066	0.008	0.1358
1212	11.5	10.8	3.1816	1.7185	-0.0048	4.8952	0.0649	0.0778	0.0068	0.1496

1213	10.9	10.9	3.1808	1.7186	-0.0048	4.8946	0.0281	0.1306	0.0032	0.1619
1214	10.8	10.9	3.1809	1.7189	-0.0048	4.895	-0.0271	0.1737	-0.0009	0.1457
1215	10.2	11	3.1819	1.7179	-0.0047	4.8951	-0.0555	0.1968	-0.0056	0.1356
1216	9.79	11	3.1826	1.7169	-0.0049	4.8946	-0.0304	0.1679	-0.0096	0.1279
1217	9.93	11	3.184	1.7151	-0.0051	4.8939	0.0089	0.1285	-0.0113	0.126
1218	10.5	11	3.1852	1.7132	-0.0055	4.893	0.0383	0.112	-0.0066	0.1437
1219	10.8	11	3.1857	1.7124	-0.0055	4.8926	0.0489	0.0925	-0.0052	0.1362
1220	11	10.9	3.186	1.7118	-0.0053	4.8925	0.0367	0.1029	-0.0055	0.134
1221	11.3	10.9	3.1876	1.7102	-0.0049	4.8929	0.0612	0.0793	-0.0062	0.1343
1222	11.7	10.9	3.1871	1.7107	-0.0045	4.8933	0.0593	0.0814	-0.0089	0.1318
1223	11.7	10.9	3.1864	1.7112	-0.0042	4.8934	0.0693	0.0689	-0.0057	0.1324
1224	11.3	10.8	3.1839	1.7122	-0.0044	4.8917	0.0917	0.0454	-0.0041	0.1329
1225	10.8	10.8	3.1805	1.7168	-0.0043	4.893	0.0826	0.0477	-0.002	0.1283
1226	11	10.9	3.1806	1.7171	-0.0044	4.8934	0.0756	0.0564	0.0012	0.1332
1227	11	10.9	3.1815	1.7163	-0.0041	4.8937	0.06	0.0827	0.0025	0.1452
1228	10.8	11	3.181	1.7172	-0.004	4.8943	0.0472	0.1058	0.0036	0.1565
1229	10.6	11	3.1809	1.7177	-0.0043	4.8943	0.0472	0.1048	0.0051	0.1572
1230	11	10.9	3.1832	1.7159	-0.0046	4.8945	0.0491	0.1059	0.004	0.159
1231	11.1	10.9	3.1827	1.7152	-0.0048	4.8932	0.0589	0.1077	0.0026	0.1692
1232	10.9	10.8	3.1781	1.7194	-0.0046	4.893	0.067	0.0937	-0.004	0.1568
1233	10.2	10.8	3.1762	1.7214	-0.0045	4.8932	0.0601	0.0873	-0.0066	0.1408
1234	10.3	10.7	3.1756	1.7212	-0.0046	4.8922	0.0378	0.0946	-0.006	0.1264
1235	11	10.7	3.1767	1.7192	-0.0049	4.891	0.0469	0.0846	-0.0057	0.1258
1236	10.6	10.7	3.18	1.7156	-0.005	4.8906	0.0519	0.0781	-0.0042	0.1258
1237	11.3	10.6	3.1804	1.7145	-0.0053	4.8896	0.0514	0.0739	-0.0013	0.124
1238	10.7	10.6	3.18	1.7145	-0.0053	4.8892	0.058	0.0683	0.0014	0.1277
1239	10.1	10.6	3.1783	1.7156	-0.0054	4.8885	0.0702	0.0601	0.002	0.1322
1240	10.6	10.6	3.1777	1.7158	-0.0053	4.8882	0.0881	0.0458	0.0025	0.1364
1241	10.7	10.6	3.1808	1.7131	-0.0052	4.8887	0.0908	0.0424	0.0019	0.1351
1242	10.4	10.5	3.1857	1.7078	-0.0052	4.8882	0.0977	0.0414	0.0047	0.1437
1243	10.8	10.5	3.1892	1.7028	-0.0049	4.887	0.092	0.0534	0.005	0.1505
1244	10.1	10.6	3.196	1.6966	-0.0045	4.8881	0.0888	0.0546	0.0041	0.1476
1245	10.2	10.5	3.2	1.6933	-0.0044	4.8888	0.0846	0.056	0.0026	0.1432
1246	10	10.5	3.2052	1.6878	-0.0043	4.8887	0.0887	0.0528	0.003	0.1446
1247	11.3	10.5	3.2075	1.6867	-0.0043	4.8899	0.0815	0.0557	0.0018	0.1391
1248	10.7	10.5	3.2067	1.6878	-0.0042	4.8902	0.0885	0.051	0.0022	0.1417
1249	10.1	10.5	3.2046	1.6897	-0.0042	4.8902	0.0709	0.0628	0.0014	0.135

1250	10.3	10.5	3.2008	1.6935	-0.0041	4.8902	0.0743	0.0675	0	0.1418
1251	10.4	10.4	3.2017	1.6925	-0.0039	4.8903	0.0629	0.0743	-0.0044	0.1329
1252	10.5	10.4	3.2047	1.6901	-0.0041	4.8906	0.0592	0.0656	-0.0054	0.1193
1253	10.7	10.4	3.2033	1.6906	-0.0046	4.8894	0.0393	0.0849	-0.0031	0.1212
1254	10.8	10.4	3.1989	1.6954	-0.0048	4.8894	0.0332	0.0924	-0.0008	0.1248
1255	10.5	10.4	3.1928	1.7014	-0.0048	4.8894	0.0365	0.0862	-0.0031	0.1197
1256	10.5	10.4	3.1877	1.7053	-0.0052	4.8878	0.0472	0.0661	-0.0057	0.1076
1257	10.2	10.4	3.1823	1.7104	-0.0053	4.8874	0.0614	0.054	-0.004	0.1114
1258	10.3	10.4	3.1808	1.7112	-0.0058	4.8861	0.0511	0.0605	-0.0031	0.1085
1259	9.94	10.4	3.1783	1.7131	-0.0054	4.886	0.0294	0.0775	0	0.1069
1260	9.86	10.4	3.1762	1.713	-0.0056	4.8836	0.0282	0.0768	0.0029	0.1078
1261	10.5	10.4	3.176	1.712	-0.0054	4.8825	0.0339	0.0732	0.0053	0.1123
1262	10.3	10.4	3.1792	1.7069	-0.0051	4.881	0.0214	0.0784	0.0076	0.1074
1263	10.2	10.4	3.1839	1.7032	-0.0048	4.8823	0.0319	0.0684	0.0064	0.1067
1264	10.4	10.4	3.1859	1.7013	-0.0045	4.8828	0.0314	0.0655	0.009	0.1058
1265	10.6	10.3	3.1836	1.7043	-0.0042	4.8836	0.0326	0.0743	0.0123	0.1193
1266	10.7	10.3	3.1802	1.7077	-0.0042	4.8838	0.0392	0.0779	0.0137	0.1308
1267	10.2	10.3	3.1778	1.7101	-0.0044	4.8835	0.0481	0.0732	0.0122	0.1336
1268	10.3	10.3	3.1774	1.7121	-0.0043	4.8851	0.0591	0.0738	0.008	0.1409
1269	10.3	10.3	3.1779	1.7114	-0.0042	4.8851	0.0466	0.0763	0.0035	0.1263
1270	10.5	10.4	3.1759	1.7134	-0.0044	4.885	0.046	0.0722	0.0013	0.1195
1271	10.7	10.4	3.1766	1.713	-0.0042	4.8854	0.0515	0.0694	0.0016	0.1226
1272	10.3	10.5	3.1757	1.7141	-0.0043	4.8855	0.0865	0.0556	0.0025	0.1446
1273	10.5	10.5	3.173	1.7164	-0.0045	4.8849	0.0732	0.0818	0.0009	0.1558
1274	10	10.5	3.173	1.7161	-0.0047	4.8844	0.0552	0.1045	0.0009	0.1606
1275	10	10.5	3.1732	1.715	-0.0049	4.8832	0.0215	0.1146	0.0004	0.1365
1276	10.2	10.6	3.1742	1.713	-0.005	4.8822	-0.0129	0.1487	0.0043	0.1402
1277	10.3	10.6	3.1756	1.7112	-0.0052	4.8816	-0.0285	0.1549	0.0044	0.1308
1278	10.7	10.6	3.1759	1.7104	-0.0053	4.881	-0.0272	0.1458	0.0075	0.1261
1279	10.6	10.6	3.1755	1.7103	-0.0054	4.8804	-0.0392	0.1616	0.012	0.1343
1280	10.9	10.7	3.1754	1.7095	-0.0053	4.8796	-0.0445	0.1772	0.0078	0.1405
1281	11.1	10.7	3.1746	1.7107	-0.0048	4.8805	-0.0062	0.1508	0.0022	0.1468
1282	11	10.7	3.1751	1.7113	-0.0046	4.8818	-0.0131	0.1492	-0.0006	0.1356
1283	10.7	10.7	3.1768	1.7111	-0.0046	4.8834	-0.0303	0.1713	0.0022	0.1432
1284	11.2	10.7	3.1758	1.7123	-0.0046	4.8835	-0.0399	0.1773	0.0031	0.1405
1285	10.8	10.8	3.1758	1.7126	-0.0048	4.8836	-0.0552	0.1879	0.004	0.1367
1286	10.7	10.9	3.1771	1.7117	-0.0051	4.8837	-0.0602	0.1806	0.0004	0.1208

1287	10.5	10.9	3.1773	1.711	-0.0053	4.8829	0.0106	0.1184	-0.0001	0.1289
1288	10.9	10.9	3.175	1.7126	-0.0055	4.8821	0.0182	0.0986	-0.0038	0.113
1289	11.1	10.9	3.1732	1.7138	-0.0057	4.8813	0.0198	0.0909	-0.0062	0.1046
1290	11.3	10.8	3.1729	1.7138	-0.0058	4.8809	0.0223	0.0863	-0.0069	0.1017
1291	10.6	10.8	3.1733	1.7124	-0.0059	4.8798	0.0338	0.0782	-0.004	0.108
1292	10.2	10.8	3.1734	1.7118	-0.0059	4.8794	0.0709	0.0537	-0.001	0.1236
1293	10.8	10.7	3.1736	1.7117	-0.0058	4.8794	0.1177	0.0141	-0.002	0.1298
1294	11.1	10.7	3.1745	1.711	-0.0056	4.8799	0.1512	-0.0424	-0.002	0.1069
1295	11.6	10.6	3.1742	1.7115	-0.0056	4.8802	0.2001	-0.0827	0.0019	0.1193
1296	10.5	10.7	3.1746	1.7111	-0.0056	4.8801	0.2507	-0.1387	0.0051	0.1171
1297	10.8	10.7	3.1749	1.7104	-0.0057	4.8796	0.3059	-0.1835	0.0078	0.1302
1298	10.4	10.7	3.1753	1.7099	-0.0058	4.8794	0.3152	-0.168	0.0066	0.1538
1299	10.4	10.7	3.1757	1.7092	-0.0057	4.8791	0.3148	-0.167	0.0069	0.1547
1300	10.2	10.7	3.1759	1.7089	-0.0055	4.8794	0.3032	-0.1514	0.0107	0.1625
1301	10.5	10.7	3.1757	1.7095	-0.0054	4.8797	0.2714	-0.1161	0.0149	0.1702
1302	10.3	10.7	3.1756	1.7099	-0.0056	4.88	0.286	-0.1315	0.0172	0.1717
1303	9.79	10.6	3.1768	1.7084	-0.0057	4.8795	0.3207	-0.1617	0.0164	0.1754
1304	10.5	10.6	3.1765	1.7088	-0.0056	4.8797	0.2905	-0.1395	0.0107	0.1616
1305	11.3	10.5	3.1763	1.7097	-0.0054	4.8805	0.2547	-0.1049	0.006	0.1559
1306	11.8	10.5	3.1756	1.7098	-0.0054	4.8799	0.1619	-0.0133	0.0068	0.1555
1307	10.6	10.4	3.1765	1.7096	-0.005	4.8812	0.1081	0.0303	0.0014	0.1398
1308	10.8	10.4	3.1784	1.7093	-0.0049	4.8828	0.0421	0.0919	0	0.134
1309	11	10.4	3.1786	1.7099	-0.0049	4.8836	0.0149	0.105	-0.0037	0.1162
1310	10.7	10.5	3.1785	1.7114	-0.0051	4.8847	0.0002	0.1248	-0.0041	0.1209
1311	9.85	10.5	3.1789	1.7113	-0.0053	4.8849	-0.0224	0.129	-0.0067	0.0999
1312	9.9	10.5	3.1784	1.7116	-0.0054	4.8846	-0.0139	0.1125	-0.0044	0.0942
1313	10.3	10.6	3.1776	1.7121	-0.0057	4.884	0.0278	0.0448	-0.0001	0.0725
1314	10.2	10.6	3.1776	1.7115	-0.006	4.8831	0.0811	-0.0079	0.0046	0.0778
1315	9.87	10.6	3.178	1.7101	-0.0061	4.882	0.0996	-0.0248	0.0053	0.0801
1316	9.89	10.5	3.1778	1.7096	-0.0061	4.8812	0.0728	0.0049	0.0048	0.0825
1317	10.3	10.5	3.1781	1.7077	-0.0059	4.8799	0.0277	0.0408	0.0044	0.0729
1318	10.7	10.5	3.1806	1.7056	-0.0058	4.8803	0.0069	0.0533	0.0041	0.0643
1319	11.1	10.5	3.1811	1.7052	-0.0056	4.8806	0.0012	0.0733	0.0065	0.081
1320	10.7	10.4	3.1809	1.7049	-0.0055	4.8802	0.037	0.0457	0.0088	0.0915
1321	10.5	10.5	3.179	1.7046	-0.0051	4.8785	0.0029	0.0789	0.011	0.0928
1322	11.1	10.5	3.1798	1.7026	-0.0046	4.8777	-0.0066	0.0766	0.0101	0.0802
1323	10.9	10.5	3.1809	1.7008	-0.0043	4.8774	-0.0181	0.1022	0.0118	0.0959

1324	10.9	10.5	3.1818	1.7007	-0.0044	4.8781	-0.0376	0.1309	0.01	0.1033
1325	10.5	10.6	3.1818	1.702	-0.0047	4.879	-0.0218	0.1214	0.0048	0.1044
1326	10.3	10.6	3.1835	1.7016	-0.0048	4.8803	-0.0271	0.1164	0.0003	0.0896
1327	10.6	10.6	3.1842	1.7017	-0.0049	4.8811	-0.0162	0.0927	0.0014	0.078
1328	10.6	10.5	3.1849	1.7011	-0.0052	4.8808	0.0106	0.0614	-0.0002	0.0719
1329	10.4	10.5	3.1854	1.7	-0.0051	4.8803	0.0159	0.0528	-0.0027	0.066
1330	10	10.5	3.1839	1.7008	-0.0048	4.8798	0.0005	0.063	-0.0044	0.0591
1331	10.9	10.5	3.1841	1.7003	-0.0047	4.8797	-0.0016	0.0568	-0.0018	0.0533
1332	10.5	10.4	3.1812	1.7023	-0.0048	4.8787	0.0319	0.0268	0.0036	0.0623
1333	10.4	10.3	3.1802	1.7037	-0.0048	4.8791	0.0199	0.063	0.0014	0.0843
1334	10.5	10.3	3.1811	1.7024	-0.005	4.8785	0.0163	0.0677	-0.001	0.083
1335	10.3	10.3	3.1827	1.7011	-0.0049	4.8789	0.0204	0.0609	-0.0012	0.0801
1336	10	10.3	3.1789	1.7038	-0.005	4.8777	0.0305	0.0514	-0.0021	0.0798
1337	9.96	10.3	3.1786	1.7047	-0.0049	4.8783	0.0477	0.024	-0.0022	0.0695
1338	10.1	10.4	3.178	1.7054	-0.0047	4.8787	0.0659	0	-0.0017	0.0642
1339	10.4	10.5	3.176	1.707	-0.0047	4.8783	0.0529	0.0093	-0.0024	0.0598
1340	10.5	10.5	3.1743	1.708	-0.0049	4.8774	0.0473	0.0112	-0.0035	0.055
1341	10.1	10.6	3.1737	1.7077	-0.0051	4.8763	0.0704	-0.0011	-0.0024	0.0669
1342	9.66	10.6	3.1739	1.7064	-0.005	4.8753	0.0537	0.0139	-0.0034	0.0642
1343	10.4	10.7	3.1741	1.707	-0.0047	4.8764	0.0166	0.0549	-0.004	0.0675
1344	10.7	10.7	3.176	1.7049	-0.0047	4.8762	0.0321	0.0552	-0.0015	0.0858
1345	9.88	10.8	3.1749	1.7071	-0.0049	4.8771	0.0126	0.082	-0.001	0.0936
1346	11.1	10.9	3.1746	1.7061	-0.0051	4.8756	0.007	0.0989	-0.001	0.1049
1347	11.5	10.9	3.176	1.7035	-0.005	4.8745	-0.0048	0.106	-0.0042	0.0969
1348	11.5	11	3.1752	1.7045	-0.0049	4.8748	-0.0288	0.1141	-0.0093	0.076
1349	11.6	11	3.1743	1.7049	-0.0053	4.8739	-0.0225	0.1019	-0.0114	0.068
1350	11.4	11	3.1737	1.7051	-0.0055	4.8732	0.0134	0.0663	-0.0112	0.0686
1351	11.7	11	3.1731	1.7057	-0.0057	4.8732	0.04	0.043	-0.0062	0.0768
1352	11.6	11	3.1726	1.7062	-0.0058	4.8731	0.0371	0.0415	-0.0042	0.0744
1353	11.2	11	3.1743	1.7046	-0.0057	4.8732	0.0415	0.0367	-0.002	0.0762
1354	11.7	11	3.1734	1.7059	-0.0054	4.8738	0.095	-0.015	0.0007	0.0808
1355	11.5	11	3.1767	1.7027	-0.0055	4.8739	0.131	-0.044	0.0055	0.0925
1356	10.9	11	3.1769	1.7023	-0.0053	4.8739	0.1195	-0.0244	0.0087	0.1038
1357	11	10.9	3.178	1.7012	-0.0053	4.8739	0.1161	-0.0216	0.0107	0.1052
1358	10.3	10.9	3.1793	1.7007	-0.0054	4.8745	0.0992	0.0152	0.015	0.1294
1359	10.8	10.8	3.1783	1.7007	-0.005	4.8739	0.1222	0.0124	0.016	0.1506
1360	10.3	10.7	3.1785	1.7	-0.0049	4.8736	0.1121	0.0308	0.0122	0.1551

1361	10.1	10.6	3.1774	1.7007	-0.005	4.8731	0.0951	0.0457	0.0051	0.1458
1362	10.4	10.5	3.1764	1.7025	-0.0051	4.8738	0.0806	0.046	-0.0009	0.1258
1363	10.3	10.5	3.1758	1.704	-0.0053	4.8745	0.0694	0.0505	-0.0064	0.1135
1364	10.3	10.3	3.176	1.7038	-0.005	4.8748	0.0681	0.0369	-0.0102	0.0948
1365	10.5	10.2	3.1763	1.7038	-0.0047	4.8754	0.0639	0.0312	-0.0151	0.0799
1366	10.7	10.2	3.1775	1.7037	-0.0046	4.8765	0.0588	0.0241	-0.0138	0.0691
1367	10	10.2	3.1771	1.7048	-0.0048	4.8771	0.0468	0.0228	-0.0101	0.0595
1368	9.89	10.2	3.1772	1.7047	-0.005	4.877	0.0777	-0.0227	-0.0067	0.0483
1369	9.79	10.1	3.1742	1.7069	-0.0051	4.8759	0.1125	-0.0533	-0.0035	0.0557
1370	9.92	10.1	3.1756	1.7055	-0.0055	4.8757	0.0981	-0.0479	-0.0002	0.0499
1371	9.97	10.2	3.1772	1.7054	-0.0052	4.8774	0.0907	-0.0374	0.003	0.0563
1372	10.2	10.2	3.1775	1.7039	-0.0055	4.8759	0.0507	-0.0217	0.0107	0.0397
1373	9.58	10.2	3.1768	1.7033	-0.0055	4.8746	0.0588	-0.0159	0.0198	0.0626
1374	9.4	10.3	3.1752	1.7039	-0.0052	4.8739	0.0775	-0.0341	0.0232	0.0667
1375	9.98	10.4	3.1759	1.7033	-0.005	4.8743	0.0957	-0.031	0.0229	0.0876
1376	10.7	10.4	3.1759	1.7037	-0.0052	4.8744	0.0993	-0.0138	0.0191	0.1046
1377	10.1	10.4	3.1745	1.705	-0.0051	4.8744	0.1273	-0.0305	0.0156	0.1124
1378	9.81	10.5	3.1743	1.7051	-0.0051	4.8744	0.1443	-0.0296	0.0149	0.1295
1379	10.7	10.5	3.1754	1.704	-0.005	4.8745	0.1491	-0.0285	0.0128	0.1334
1380	11.1	10.6	3.1755	1.7038	-0.0051	4.8742	0.1553	-0.0353	0.013	0.133
1381	10.8	10.6	3.1714	1.7081	-0.0052	4.8742	0.1538	-0.0381	0.0111	0.1267
1382	11.3	10.6	3.1731	1.705	-0.0047	4.8734	0.1235	-0.0063	0.0093	0.1265
1383	11.4	10.6	3.1752	1.7044	-0.0045	4.8751	0.0671	0.0315	0.0063	0.1049
1384	11.4	10.7	3.1737	1.7062	-0.0045	4.8754	0.0677	0.0301	0.004	0.1018
1385	10.8	10.7	3.1728	1.7074	-0.0046	4.8756	0.0737	0.0243	-0.0007	0.0973
1386	10.9	10.7	3.1723	1.7093	-0.0049	4.8767	0.0847	0.0069	0.0029	0.0945
1387	11.1	10.7	3.1707	1.711	-0.0052	4.8765	0.0187	0.0498	0.0028	0.0713
1388	10.7	10.8	3.1698	1.7117	-0.0053	4.8762	-0.0209	0.0916	0.0028	0.0735
1389	10.9	10.7	3.1685	1.7126	-0.0053	4.8758	-0.0429	0.1091	0.0039	0.0701
1390	10.2	10.7	3.1658	1.7139	-0.0055	4.8742	-0.0601	0.1172	0.0015	0.0586
1391	10.2	10.6	3.1679	1.7111	-0.0055	4.8734	-0.0794	0.1279	-0.0002	0.0483
1392	10.5	10.6	3.1718	1.7063	-0.0055	4.8726	-0.0685	0.109	-0.0002	0.0402
1393	10.6	10.5	3.1704	1.7062	-0.0057	4.8709	-0.0434	0.0809	0.0029	0.0404
1394	10.2	10.5	3.1733	1.7028	-0.0055	4.8706	-0.0151	0.0593	0.0081	0.0523
1395	11.2	10.5	3.1735	1.7017	-0.0055	4.8697	-0.0006	0.0408	0.0123	0.0525
1396	10.5	10.5	3.1751	1.7005	-0.0052	4.8704	-0.0133	0.0863	0.0127	0.0857
1397	10.2	10.4	3.1778	1.699	-0.0048	4.872	-0.0494	0.0969	0.0073	0.0547

1398	10.1	10.3	3.1775	1.6997	-0.0047	4.8726	-0.0325	0.0737	0.0063	0.0476
1399	9.84	10.3	3.1743	1.7025	-0.0046	4.8723	-0.0066	0.0575	0.0049	0.0557
1400	10.4	10.3	3.1719	1.7046	-0.0048	4.8717	-0.0135	0.0574	0.0007	0.0446
1401	10.1	10.3	3.172	1.7054	-0.005	4.8723	-0.0243	0.0623	0.0026	0.0406
1402	10.1	10.3	3.1714	1.7062	-0.0054	4.8723	-0.0251	0.0691	0.0007	0.0447
1403	10.6	10.3	3.1673	1.7099	-0.0057	4.8715	-0.0186	0.0709	-0.002	0.0502
1404	10.7	10.4	3.1634	1.7132	-0.0062	4.8704	-0.027	0.0755	-0.0026	0.0459
1405	10.6	10.3	3.1643	1.7121	-0.0063	4.8701	-0.0453	0.0991	-0.0009	0.0529
1406	10.1	10.3	3.1639	1.7119	-0.0065	4.8694	-0.0145	0.0788	-0.0028	0.0615
1407	9.62	10.3	3.1666	1.7081	-0.0065	4.8682	-0.0085	0.0815	-0.0015	0.0714
1408	9.41	10.3	3.1662	1.708	-0.0065	4.8678	-0.0347	0.1066	-0.0026	0.0693
1409	10.8	10.3	3.1674	1.7068	-0.0062	4.8681	-0.0687	0.1473	-0.0074	0.0712
1410	10.5	10.3	3.1689	1.7068	-0.0056	4.8701	-0.0854	0.1531	-0.0039	0.0638
1411	10.6	10.3	3.1709	1.7067	-0.0052	4.8724	-0.0604	0.1249	-0.0051	0.0593
1412	10.9	10.3	3.1715	1.7066	-0.0048	4.8732	-0.071	0.129	-0.0049	0.0531
1413	10.7	10.3	3.1708	1.7084	-0.0047	4.8745	-0.0726	0.1347	-0.0058	0.0563
1414	10.5	10.3	3.1713	1.7083	-0.0045	4.8751	-0.0836	0.1438	-0.0095	0.0506
1415	10.3	10.3	3.1721	1.7077	-0.0047	4.8751	-0.041	0.0985	-0.0093	0.0483
1416	10.5	10.4	3.1731	1.7073	-0.0051	4.8753	0.0261	0.0242	-0.0106	0.0397
1417	10.2	10.5	3.1703	1.71	-0.0053	4.875	0.0431	0.0063	-0.0099	0.0394
1418	10	10.6	3.1693	1.7109	-0.0055	4.8748	0.0137	0.0462	-0.0113	0.0486
1419	9.95	10.6	3.1713	1.71	-0.0056	4.8756	-0.0071	0.0661	-0.0115	0.0475
1420	10	10.6	3.1718	1.7086	-0.0058	4.8746	-0.0163	0.0701	-0.0142	0.0396
1421	10.3	10.6	3.1739	1.7068	-0.0062	4.8745	0.0357	0.0241	-0.0156	0.0441
1422	9.96	10.6	3.1739	1.7042	-0.0066	4.8715	0.0971	0.0152	-0.0094	0.1028
1423	10.9	10.6	3.1731	1.7042	-0.0066	4.8707	0.1438	-0.0676	-0.009	0.0672
1424	10.9	10.6	3.1722	1.7038	-0.0067	4.8693	0.1255	-0.0623	-0.0074	0.0558
1425	11	10.6	3.1718	1.7033	-0.0067	4.8685	0.1256	-0.0725	-0.0028	0.0503
1426	11.4	10.6	3.1708	1.7046	-0.0064	4.869	0.1334	-0.0849	-0.0008	0.0477
1427	11.2	10.6	3.1698	1.7047	-0.0064	4.8681	0.1517	-0.1053	-0.0016	0.0448
1428	11	10.6	3.17	1.7039	-0.0065	4.8675	0.168	-0.114	0.0024	0.0564
1429	10.9	10.6	3.1698	1.7035	-0.0064	4.867	0.1499	-0.0938	0.0053	0.0615
1430	11	10.6	3.1685	1.7046	-0.0059	4.8671	0.1262	-0.081	0.0085	0.0537
1431	11	10.5	3.1717	1.7009	-0.0056	4.867	0.0884	-0.0355	0.0071	0.0599
1432	11	10.5	3.1744	1.6992	-0.0054	4.8682	0.03	0.0255	0.0053	0.0608
1433	9.87	10.5	3.1735	1.7007	-0.0052	4.8689	0.057	-0.0193	0.0104	0.0481
1434	10.6	10.5	3.1737	1.7	-0.0049	4.8688	0.0989	-0.0461	0.0113	0.064

1435	10.5	10.4	3.1743	1.7004	-0.0052	4.8695	0.0853	-0.0283	0.0128	0.0698
1436	9.53	10.4	3.1771	1.6988	-0.0053	4.8706	0.042	0.0197	0.0107	0.0724
1437	9.74	10.4	3.1806	1.6955	-0.0052	4.871	0.0605	0.0095	0.0093	0.0794
1438	10	10.4	3.1823	1.6945	-0.0051	4.8717	0.0697	0.0073	0.007	0.084
1439	10	10.4	3.182	1.6953	-0.0049	4.8725	0.0507	0.0223	0.0047	0.0776
1440	9.6	10.4	3.1822	1.6952	-0.0049	4.8726	-0.0018	0.078	0.0053	0.0814
1441	10	10.4	3.1806	1.6969	-0.0051	4.8723	-0.0667	0.138	0.0023	0.0736
1442	10.3	10.4	3.1783	1.6983	-0.0053	4.8712	-0.0394	0.0945	-0.0021	0.053
1443	10.5	10.4	3.1756	1.7011	-0.0055	4.8711	0.0246	0.019	-0.0087	0.0349
1444	10.2	10.4	3.176	1.7008	-0.0059	4.8709	0.008	0.0141	-0.0171	0.0051
1445	10.5	10.3	3.1762	1.6985	-0.0062	4.8685	0.0356	-0.0232	-0.0199	-0.0075
1446	11.4	10.3	3.1796	1.6964	-0.0058	4.8702	0.0776	-0.084	-0.0218	-0.0282
1447	11.6	10.3	3.1792	1.6961	-0.0056	4.8697	0.1387	-0.1329	-0.018	-0.0121
1448	10.3	10.3	3.1759	1.6987	-0.0054	4.8692	0.1571	-0.144	-0.012	0.0012
1449	10.6	10.3	3.1757	1.6991	-0.0053	4.8695	0.1172	-0.1048	-0.0105	0.0019
1450	11	10.3	3.1761	1.6988	-0.0058	4.8692	0.1133	-0.1058	-0.0066	0.0009
1451	10.9	10.4	3.1757	1.6988	-0.0057	4.8687	0.1229	-0.1218	-0.007	-0.006
1452	10.3	10.4	3.1745	1.6991	-0.0056	4.8681	0.1056	-0.0935	-0.0063	0.0058
1453	10.2	10.4	3.177	1.697	-0.0054	4.8686	0.0902	-0.063	-0.0062	0.021
1454	9.8	10.4	3.1779	1.6959	-0.0054	4.8685	0.0254	0.008	-0.0074	0.026
1455	9.53	10.4	3.1781	1.6948	-0.0052	4.8677	-0.0242	0.0519	-0.006	0.0218
1456	9.46	10.3	3.1777	1.6942	-0.0052	4.8667	-0.0495	0.0619	-0.0035	0.0089
1457	9.38	10.2	3.1815	1.6905	-0.005	4.867	-0.0942	0.1026	-0.0034	0.0049
1458	9.92	10.3	3.1861	1.6859	-0.0046	4.8674	-0.0828	0.0912	-0.0023	0.0061
1459	10.3	10.3	3.1868	1.6854	-0.0046	4.8675	-0.087	0.0903	-0.0044	-0.001
1460	10.4	10.3	3.1845	1.6876	-0.0044	4.8677	-0.0396	0.0568	-0.0059	0.0113
1461	10.9	10.2	3.1845	1.6878	-0.0045	4.8678	-0.0015	0.0247	-0.0032	0.0201
1462	10.6	10.1	3.1837	1.689	-0.0045	4.8681	0.0492	-0.0273	-0.0008	0.0211
1463	10.2	10.1	3.1841	1.6897	-0.0043	4.8695	0.0608	-0.0367	0.0004	0.0245
1464	10.1	10.1	3.1801	1.694	-0.0041	4.8699	-0.0075	0.0435	-0.0034	0.0326
1465	10.2	10.1	3.1737	1.7014	-0.0037	4.8714	-0.0074	0.0391	-0.0035	0.0283
1466	10.6	10.2	3.1731	1.703	-0.0036	4.8726	0.0035	0.0264	-0.0032	0.0267
1467	11	10.2	3.1757	1.7002	-0.0037	4.8722	-0.0019	0.0367	-0.0032	0.0316
1468	10.6	10.3	3.178	1.6981	-0.0038	4.8722	-0.0249	0.043	-0.0017	0.0164
1469	10.4	10.3	3.1758	1.6999	-0.0037	4.872	-0.0081	0.0178	-0.0015	0.0083
1470	9.57	10.4	3.1721	1.7031	-0.0039	4.8713	0.0776	-0.0409	-0.0006	0.0362
1471	9.27	10.4	3.1675	1.7038	-0.0043	4.8671	0.1035	-0.0707	-0.0027	0.0301

1472	9.4	10.4	3.1631	1.7106	-0.0046	4.8691	0.1634	-0.1253	-0.0072	0.031
1473	9.9	10.5	3.1643	1.7095	-0.0047	4.869	0.1705	-0.161	-0.011	-0.0015
1474	9.93	10.6	3.1626	1.7112	-0.0049	4.8689	0.1434	-0.1434	-0.0093	-0.0093
1475	10.7	10.7	3.1626	1.7118	-0.0049	4.8695	0.143	-0.1564	-0.0093	-0.0227
1476	10.7	10.7	3.1607	1.7143	-0.005	4.8699	0.1378	-0.166	-0.0077	-0.0359
1477	10.5	10.7	3.1577	1.7164	-0.0054	4.8688	0.1295	-0.1339	-0.0054	-0.0098
1478	11.2	10.7	3.1593	1.7145	-0.0056	4.8682	0.1445	-0.1448	-0.0042	-0.0045
1479	11.5	10.8	3.1628	1.7121	-0.0058	4.8691	0.144	-0.1502	-0.0042	-0.0105
1480	11.5	10.8	3.1667	1.7074	-0.0058	4.8683	0.1582	-0.1785	-0.0022	-0.0226
1481	11.2	10.9	3.1684	1.7055	-0.0057	4.8682	0.1423	-0.1668	0.0011	-0.0234
1482	11.5	11	3.1674	1.707	-0.0058	4.8686	0.1495	-0.1687	0.002	-0.0172
1483	11.6	11	3.1653	1.709	-0.0056	4.8687	0.1376	-0.1211	0.0031	0.0196
1484	11.5	11	3.1652	1.7091	-0.0058	4.8685	0.0542	-0.0554	0.0041	0.0029
1485	11.4	11	3.1686	1.7055	-0.0057	4.8684	0.0113	-0.0303	0.0069	-0.0121
1486	11.3	10.9	3.1663	1.7083	-0.0058	4.8688	0.0042	-0.0166	0.0048	-0.0075
1487	11.2	10.9	3.1637	1.7102	-0.0059	4.8681	0.0408	-0.0363	0.0052	0.0097
1488	10.8	10.8	3.1647	1.7094	-0.0057	4.8684	0.0841	-0.1092	0.0062	-0.019
1489	10.9	10.7	3.1686	1.7048	-0.0058	4.8676	0.1734	-0.1695	0.0093	0.0132
1490	10.3	10.7	3.1725	1.7001	-0.0057	4.8669	0.1963	-0.1817	0.0132	0.0278
1491	10.5	10.6	3.1718	1.7016	-0.0053	4.8681	0.2083	-0.1941	0.0153	0.0294
1492	10.6	10.5	3.1693	1.7044	-0.0046	4.8691	0.1943	-0.1684	0.0142	0.0401
1493	10.3	10.4	3.1696	1.7047	-0.004	4.8704	0.141	-0.1185	0.0132	0.0357
1494	10.3	10.3	3.1697	1.7051	-0.0035	4.8713	0.0626	-0.0364	0.0126	0.0388
1495	9.68	10.2	3.1657	1.7101	-0.0033	4.8725	0.0317	0.004	0.0097	0.0454
1496	9.61	10.1	3.1612	1.7138	-0.0034	4.8716	0.0487	-0.0172	0.0079	0.0394
1497	9.57	10.1	3.162	1.7134	-0.0036	4.8718	0.0833	-0.0443	0.0087	0.0477
1498	10	10.1	3.1658	1.7102	-0.0036	4.8724	0.0853	-0.0539	0.0092	0.0406
1499	10.1	10	3.163	1.7131	-0.0039	4.8722	0.087	-0.057	0.0103	0.0403
1500	9.35	10.1	3.1596	1.7168	-0.0041	4.8723	0.1393	-0.1161	0.0138	0.037
1501	9.69	10.1	3.1614	1.7147	-0.0044	4.8717	0.1732	-0.1561	0.0073	0.0244
1502	9.9	10.2	3.1624	1.7125	-0.0047	4.8702	0.1659	-0.1529	0.0103	0.0233
1503	9.74	10.2	3.1648	1.7091	-0.005	4.8689	0.0977	-0.095	0.0102	0.0129
1504	9.64	10.2	3.1658	1.708	-0.0056	4.8682	0.0893	-0.0914	0.0107	0.0086
1505	10.3	10.2	3.1693	1.7059	-0.006	4.8692	0.0984	-0.0981	0.0092	0.0094
1506	10.3	10.3	3.1734	1.7016	-0.0061	4.8689	0.1026	-0.1061	0.009	0.0055
1507	10.5	10.3	3.1749	1.699	-0.0063	4.8676	0.0846	-0.0936	0.0093	0.0003
1508	10.4	10.4	3.1749	1.699	-0.0061	4.8679	0.1128	-0.1218	0.0112	0.0023

1509	10.5	10.4	3.1714	1.7012	-0.0056	4.867	0.1671	-0.1767	0.0148	0.0052
1510	11.6	10.5	3.1691	1.7043	-0.0053	4.8681	0.1586	-0.1764	0.0158	-0.002
1511	11.4	10.5	3.166	1.7094	-0.0051	4.8703	0.1433	-0.1764	0.0188	-0.0143
1512	10.7	10.6	3.1654	1.7102	-0.0048	4.8708	0.1797	-0.2088	0.0169	-0.0122
1513	10.4	10.6	3.1716	1.704	-0.0043	4.8713	0.1465	-0.1714	0.0187	-0.0062
1514	10.7	10.6	3.172	1.7044	-0.0042	4.8723	0.1363	-0.1469	0.0209	0.0104
1515	10.6	10.7	3.1718	1.7051	-0.0044	4.8724	0.0782	-0.0834	0.0221	0.0169
1516	10.6	10.7	3.1733	1.7036	-0.0048	4.8721	-0.0232	0.0328	0.0266	0.0362
1517	10.6	10.7	3.1728	1.7057	-0.0051	4.8734	-0.0351	0.0566	0.0242	0.0457
1518	10.5	10.8	3.1701	1.7091	-0.0053	4.8739	-0.03	0.0489	0.0233	0.0421
1519	10.7	10.7	3.1635	1.714	-0.0055	4.872	-0.023	0.0406	0.0246	0.0422
1520	10.6	10.6	3.1614	1.7157	-0.0055	4.8716	-0.0062	0.0152	0.0267	0.0357
1521	10.7	10.6	3.1576	1.7193	-0.0055	4.8714	-0.012	0.0164	0.023	0.0274
1522	10.6	10.5	3.1569	1.7203	-0.0055	4.8716	-0.0219	-0.0118	0.0171	-0.0166
1523	10.3	10.5	3.1588	1.7185	-0.0057	4.8717	-0.1124	0.1016	0.013	0.0022
1524	10.9	10.5	3.1579	1.7195	-0.0058	4.8716	-0.1468	0.1375	0.0118	0.0026
1525	10.7	10.4	3.1581	1.7199	-0.0059	4.8721	-0.1025	0.0979	0.0109	0.0063
1526	11.6	10.4	3.1578	1.718	-0.0058	4.87	-0.0964	0.094	0.0091	0.0067
1527	10.5	10.4	3.1553	1.7191	-0.0059	4.8686	-0.172	0.1815	0.0128	0.0223
1528	10.1	10.3	3.1556	1.7189	-0.006	4.8686	-0.1969	0.203	0.0107	0.0169
1529	10.1	10.3	3.154	1.7214	-0.0061	4.8692	-0.1643	0.1703	0.0113	0.0173
1530	10	10.3	3.1542	1.7213	-0.006	4.8695	-0.1357	0.1586	0.0099	0.0327
1531	10.1	10.3	3.1568	1.7178	-0.0058	4.8687	-0.1022	0.1179	0.0092	0.0249
1532	10	10.3	3.1607	1.7113	-0.0057	4.8662	-0.0696	0.082	0.0087	0.0212
1533	9.98	10.3	3.168	1.7062	-0.0056	4.8686	-0.0271	0.0471	0.0078	0.0278
1534	9.43	10.3	3.1726	1.703	-0.0056	4.87	-0.0164	0.0255	0.0097	0.0188
1535	10.1	10.3	3.1739	1.7021	-0.0057	4.8702	-0.0212	0.0338	0.0096	0.0222
1536	10.1	10.2	3.173	1.7024	-0.0058	4.8696	0.0257	-0.0073	0.011	0.0294
1537	9.88	10.2	3.1722	1.7064	-0.0058	4.8729	-0.0024	0.0251	0.0099	0.0325
1538	10.6	10.2	3.1649	1.7114	-0.006	4.8704	-0.07	0.0745	0.0093	0.0138
1539	10.6	10.2	3.1624	1.7135	-0.0062	4.8697	-0.1436	0.1635	0.0067	0.0266
1540	10.4	10.2	3.1614	1.7146	-0.0064	4.8696	-0.1588	0.1751	0.003	0.0192
1541	10.7	10.2	3.1611	1.7137	-0.0065	4.8683	-0.1482	0.1576	-0.0011	0.0083
1542	10.4	10.3	3.1642	1.7101	-0.0066	4.8677	-0.1763	0.1993	0.0048	0.0279
1543	10.4	10.3	3.1693	1.7047	-0.0068	4.8672	-0.2083	0.2274	0.0121	0.0312
1544	10.3	10.3	3.1729	1.7004	-0.0069	4.8664	-0.2439	0.2709	0.0186	0.0456
1545	10	10.3	3.1713	1.7002	-0.007	4.8646	-0.2589	0.2881	0.0212	0.0505

1546	9.63	10.3	3.1712	1.7008	-0.0067	4.8654	-0.3278	0.3616	0.0228	0.0566
1547	10.7	10.2	3.1707	1.7015	-0.0065	4.8657	-0.3992	0.4238	0.0196	0.0442
1548	10.2	10.2	3.1672	1.7044	-0.0064	4.8652	-0.4291	0.455	0.0154	0.0413
1549	10.2	10.2	3.1617	1.7107	-0.0067	4.8658	-0.4254	0.4516	0.0149	0.0412
1550	10.8	10.2	3.1588	1.7144	-0.0065	4.8667	-0.4936	0.5216	0.0101	0.0381
1551	10.5	10.2	3.1591	1.714	-0.0068	4.8664	-0.5895	0.6305	0.0076	0.0486
1552	9.97	10.2	3.1647	1.7086	-0.0066	4.8668	-0.5691	0.5889	0.004	0.0238
1553	9.71	10.2	3.168	1.7062	-0.0065	4.8677	-0.6466	0.6567	-0.0003	0.0099
1554	10	10.2	3.1681	1.7058	-0.0063	4.8676	-0.6389	0.6363	-0.0031	-0.0057
1555	9.76	10.2	3.1678	1.7054	-0.0061	4.8672	-0.6604	0.6481	-0.01	-0.0224
1556	9.77	10.3	3.1693	1.7035	-0.0061	4.8667	-0.6173	0.6215	-0.0145	-0.0103
1557	9.98	10.2	3.1702	1.7027	-0.0062	4.8668	-0.5927	0.5904	-0.0159	-0.0181
1558	10.2	10.2	3.1694	1.7036	-0.0061	4.8669	-0.5472	0.5334	-0.0158	-0.0296
1559	10.9	10.2	3.1709	1.703	-0.0062	4.8677	-0.4877	0.4806	-0.0121	-0.0192
1560	10.3	10.2	3.1702	1.7052	-0.0063	4.8691	-0.4795	0.4663	-0.0054	-0.0185
1561	10.5	10.2	3.1665	1.7087	-0.0062	4.869	-0.4322	0.4266	0	-0.0057
1562	10	10.2	3.169	1.7061	-0.0064	4.8687	-0.4135	0.4293	0.0031	0.019
1563	10.5	10.3	3.1705	1.7043	-0.0064	4.8684	-0.3224	0.3413	0.0064	0.0254
1564	10.4	10.3	3.1723	1.7023	-0.0063	4.8682	-0.2338	0.2542	0.0125	0.0329
1565	10.5	10.3	3.1761	1.6981	-0.0063	4.8678	-0.1451	0.1747	0.0165	0.0461
1566	9.91	10.3	3.1767	1.6974	-0.006	4.868	-0.0385	0.0711	0.0129	0.0455
1567	10.5	10.4	3.1787	1.6953	-0.006	4.868	0.0205	0.0116	0.0079	0.04
1568	10.1	10.4	3.1802	1.6941	-0.0063	4.868	0.081	-0.0328	0.0018	0.05
1569	10	10.3	3.1764	1.6983	-0.0063	4.8684	0.1151	-0.0572	-0.0017	0.0561
1570	10.4	10.4	3.1733	1.7015	-0.0062	4.8685	0.0629	-0.0236	-0.0065	0.0328
1571	10.4	10.4	3.1697	1.705	-0.006	4.8687	0.0934	-0.0556	-0.0092	0.0287
1572	11	10.4	3.1743	1.7005	-0.0059	4.8689	0.101	-0.065	-0.0089	0.027
1573	10.2	10.4	3.1789	1.6957	-0.0059	4.8688	0.179	-0.1331	-0.0062	0.0397
1574	10.1	10.4	3.1729	1.7014	-0.006	4.8683	0.2736	-0.2307	-0.0028	0.0401
1575	10.4	10.4	3.1722	1.7024	-0.0058	4.8688	0.3025	-0.2597	0.001	0.0438
1576	10.6	10.4	3.1779	1.6961	-0.0063	4.8677	0.3157	-0.2619	0.0019	0.0558
1577	10.1	10.4	3.1774	1.6961	-0.0065	4.8671	0.3494	-0.3076	0.0037	0.0455
1578	10.4	10.4	3.1758	1.6975	-0.0067	4.8665	0.3697	-0.3433	0.0027	0.0291
1579	10.6	10.4	3.1764	1.6963	-0.0068	4.8659	0.3601	-0.3317	0.0027	0.0311
1580	10.8	10.4	3.1769	1.6956	-0.0068	4.8658	0.3418	-0.3038	0.0016	0.0395
1581	10.4	10.4	3.1753	1.6973	-0.0066	4.866	0.403	-0.3676	0.0026	0.0379
1582	10.5	10.3	3.1701	1.7023	-0.0066	4.8658	0.3815	-0.3551	0.0044	0.0308

1583	10.8	10.3	3.1669	1.7064	-0.0066	4.8668	0.4225	-0.4138	0.0034	0.0121
1584	10.5	10.3	3.1673	1.7057	-0.0067	4.8662	0.5137	-0.4765	0.0014	0.0385
1585	10.2	10.3	3.166	1.7062	-0.0068	4.8654	0.565	-0.5152	0.0005	0.0503
1586	10.1	10.3	3.1665	1.7058	-0.0068	4.8655	0.5073	-0.464	-0.0009	0.0424
1587	9.99	10.2	3.1707	1.7028	-0.0068	4.8667	0.448	-0.4108	-0.0013	0.0358
1588	9.98	10.2	3.179	1.6931	-0.0064	4.8657	0.3801	-0.3124	0.0002	0.0679
1589	10.2	10.2	3.1845	1.6873	-0.0061	4.8657	0.2208	-0.1759	-0.0028	0.0421
1590	10.3	10.1	3.1873	1.6843	-0.0056	4.866	0.1566	-0.1197	-0.0039	0.033
1591	10	10.1	3.1895	1.6817	-0.0058	4.8653	0.0583	-0.0176	-0.0082	0.0325
1592	9.87	10.1	3.1902	1.6817	-0.0058	4.866	0.0559	-0.0311	-0.0084	0.0164
1593	10.4	10.1	3.194	1.6777	-0.0058	4.8658	0.1393	-0.1228	-0.0095	0.0069
1594	10.5	10.1	3.1956	1.6763	-0.0056	4.8663	0.2271	-0.2158	-0.0108	0.0006
1595	9.67	10.2	3.1985	1.6739	-0.0056	4.8668	0.2673	-0.2697	-0.01	-0.0124
1596	9.58	10.2	3.2011	1.6714	-0.0053	4.8672	0.2616	-0.2716	-0.0087	-0.0187
1597	9.78	10.2	3.205	1.6679	-0.0051	4.8677	0.2671	-0.2648	-0.001	0.0013
1598	10.1	10.3	3.2084	1.6651	-0.0051	4.8683	0.256	-0.2525	0.0028	0.0063
1599	9.73	10.3	3.2124	1.6609	-0.0049	4.8684	0.2469	-0.2409	0.005	0.0109
1600	10.2	10.4	3.2186	1.6537	-0.0049	4.8674	0.254	-0.2253	0.002	0.0308
1601	10.5	10.5	3.2183	1.6558	-0.0048	4.8693	0.2683	-0.2188	0.003	0.0525
1602	10.6	10.5	3.2271	1.6469	-0.0047	4.8693	0.2781	-0.219	-0.0004	0.0587
1603	10.7	10.6	3.2287	1.6455	-0.0047	4.8694	0.3463	-0.278	0.0013	0.0696
1604	10.9	10.6	3.2318	1.6432	-0.0046	4.8705	0.3916	-0.3159	0.0042	0.0799
1605	10.8	10.7	3.231	1.6438	-0.0045	4.8703	0.3516	-0.2728	0.0052	0.0841
1606	10.8	10.8	3.2326	1.6426	-0.0045	4.8707	0.3246	-0.249	0.0046	0.0802
1607	10.8	10.8	3.2296	1.6457	-0.0047	4.8706	0.2888	-0.214	0.0004	0.0753
1608	11.3	10.9	3.2237	1.651	-0.0049	4.8698	0.2892	-0.2153	-0.0032	0.0708
1609	11.2	10.9	3.2193	1.6545	-0.005	4.8688	0.2949	-0.2212	-0.0026	0.0712
1610	11.5	11	3.2123	1.6617	-0.0053	4.8687	0.3802	-0.3029	0.0006	0.0778
1611	11.2	11	3.2073	1.6665	-0.0054	4.8684	0.4766	-0.3949	-0.0009	0.0808
1612	10.8	11	3.1976	1.6761	-0.0055	4.8683	0.5415	-0.4623	0.0018	0.081
1613	11	11	3.195	1.6786	-0.0056	4.868	0.6007	-0.5221	0.0027	0.0812
1614	11.3	10.9	3.1865	1.687	-0.0058	4.8677	0.6331	-0.5555	0.0038	0.0814
1615	11.3	10.9	3.1756	1.6979	-0.0057	4.8679	0.6855	-0.6025	0.0064	0.0894
1616	10.8	10.9	3.1712	1.7024	-0.0056	4.8681	0.715	-0.6308	0.006	0.0901
1617	11	10.9	3.1647	1.709	-0.0053	4.8684	0.6942	-0.619	0.0078	0.083
1618	10.9	10.9	3.1586	1.7149	-0.0051	4.8683	0.6752	-0.6033	0.0107	0.0826
1619	11	10.8	3.1572	1.7164	-0.0049	4.8688	0.7706	-0.6954	0.007	0.0822

1620	10.9	10.8	3.1521	1.7212	-0.0046	4.8687	0.7301	-0.6531	0.0068	0.0837
1621	10.6	10.7	3.1475	1.7258	-0.0046	4.8687	0.6776	-0.601	0.0082	0.0847
1622	10.2	10.7	3.139	1.7336	-0.0049	4.8676	0.6288	-0.5551	0.0071	0.0809
1623	10.2	10.7	3.1314	1.7416	-0.0054	4.8676	0.6267	-0.5551	0.0048	0.0764
1624	10.3	10.6	3.1277	1.7454	-0.0059	4.8672	0.6031	-0.5377	0.0055	0.0709
1625	10.5	10.6	3.1265	1.7461	-0.0061	4.8665	0.5144	-0.455	0.0041	0.0635
1626	11	10.5	3.1229	1.7488	-0.0062	4.8655	0.5117	-0.4569	0.0059	0.0607
1627	10.6	10.5	3.1184	1.7535	-0.0062	4.8656	0.5348	-0.4847	0.0009	0.051
1628	10.1	10.5	3.1196	1.7521	-0.0063	4.8654	0.4875	-0.4348	-0.0006	0.0522
1629	10.8	10.4	3.1198	1.7518	-0.0063	4.8653	0.3878	-0.3351	-0.0024	0.0503
1630	10.4	10.4	3.1139	1.758	-0.0063	4.8657	0.3808	-0.3397	0.0009	0.0421
1631	10.3	10.5	3.1186	1.7533	-0.0063	4.8657	0.3909	-0.3351	0.0014	0.0572
1632	10.8	10.4	3.1184	1.7527	-0.0061	4.865	0.4262	-0.3856	0.002	0.0425
1633	10.4	10.4	3.1167	1.7539	-0.0058	4.8648	0.432	-0.3972	0.0024	0.0372
1634	9.93	10.4	3.1161	1.7545	-0.0056	4.865	0.4684	-0.4273	0.0012	0.0423
1635	10.2	10.4	3.1231	1.7485	-0.0056	4.866	0.517	-0.482	-0.0024	0.0326
1636	10.4	10.4	3.1282	1.7435	-0.0057	4.8661	0.444	-0.4145	-0.0034	0.0261
1637	10.6	10.4	3.1342	1.7377	-0.0058	4.8661	0.4496	-0.4213	-0.0055	0.0229
1638	10.3	10.4	3.1428	1.729	-0.0057	4.8662	0.5392	-0.4956	-0.0087	0.0349
1639	10.9	10.4	3.1468	1.7254	-0.0058	4.8664	0.6518	-0.6272	-0.0066	0.018
1640	10.8	10.4	3.1556	1.7164	-0.0056	4.8664	0.6589	-0.6472	-0.0064	0.0052
1641	9.91	10.4	3.1556	1.7168	-0.0057	4.8667	0.6708	-0.6651	-0.0032	0.0026
1642	10.1	10.4	3.1502	1.7224	-0.0057	4.867	0.7142	-0.7101	-0.0059	-0.0017
1643	10.2	10.4	3.1466	1.7263	-0.0057	4.8672	0.7227	-0.7144	-0.0054	0.0029
1644	10.5	10.4	3.1461	1.7274	-0.0059	4.8676	0.6463	-0.6288	-0.0042	0.0134
1645	10.4	10.4	3.1452	1.7274	-0.0061	4.8665	0.5201	-0.5056	-0.0008	0.0137
1646	9.83	10.5	3.1445	1.7273	-0.0066	4.8653	0.4989	-0.4678	-0.0042	0.0269
1647	10.2	10.5	3.1451	1.7267	-0.0068	4.865	0.4853	-0.4526	-0.0022	0.0305
1648	10.5	10.5	3.1425	1.7285	-0.0069	4.8641	0.4828	-0.4491	0.0004	0.0341
1649	10.8	10.5	3.1363	1.7333	-0.0069	4.8627	0.499	-0.4476	0.0007	0.0521
1650	10.3	10.5	3.132	1.7363	-0.0068	4.8615	0.5017	-0.4481	0.0024	0.056
1651	10.3	10.5	3.1313	1.7359	-0.0067	4.8605	0.5344	-0.4985	0.0005	0.0363
1652	10.8	10.4	3.1301	1.7364	-0.0067	4.8598	0.5224	-0.4835	0.001	0.0399
1653	10.1	10.4	3.1289	1.7378	-0.0069	4.8598	0.5503	-0.5125	0.0033	0.0411
1654	10.3	10.4	3.1329	1.733	-0.0068	4.8592	0.5259	-0.4759	0.0035	0.0534
1655	11.5	10.4	3.1354	1.7303	-0.0066	4.8591	0.5262	-0.4691	0.0042	0.0613
1656	11.1	10.5	3.1404	1.7249	-0.0061	4.8591	0.4877	-0.4378	0.0058	0.0558

1657	11.1	10.5	3.1413	1.7243	-0.0058	4.8597	0.5021	-0.4445	0.0029	0.0605
1658	10.7	10.5	3.1399	1.7257	-0.0059	4.8598	0.4691	-0.4021	0.0011	0.068
1659	10.1	10.5	3.1329	1.7333	-0.0062	4.86	0.3022	-0.2441	-0.0015	0.0566
1660	9.65	10.5	3.1225	1.7447	-0.0062	4.861	0.2093	-0.1536	-0.0018	0.0539
1661	9.89	10.6	3.1123	1.7549	-0.0064	4.8609	0.1205	-0.0663	-0.0025	0.0516
1662	9.72	10.5	3.109	1.7583	-0.0067	4.8606	0.1805	-0.1283	-0.0061	0.0461
1663	10.2	10.6	3.1072	1.7599	-0.0068	4.8603	0.2507	-0.1975	-0.0105	0.0427
1664	11	10.7	3.1037	1.7625	-0.007	4.8593	0.359	-0.313	-0.0121	0.034
1665	11.3	10.6	3.1046	1.7611	-0.0069	4.8588	0.424	-0.372	-0.0135	0.0385
1666	10	10.6	3.1072	1.7593	-0.0068	4.8597	0.3613	-0.313	-0.0124	0.036
1667	11.1	10.7	3.1112	1.7556	-0.0071	4.8598	0.3394	-0.3092	-0.0112	0.019
1668	11	10.7	3.1032	1.7636	-0.007	4.8598	0.2726	-0.242	-0.0088	0.0218
1669	10.4	10.7	3.1034	1.7637	-0.007	4.86	0.1802	-0.1471	-0.009	0.0242
1670	10.9	10.7	3.1055	1.7616	-0.0071	4.86	0.1921	-0.1519	-0.0051	0.035
1671	10.4	10.8	3.1068	1.7605	-0.0067	4.8606	-0.0064	0.0468	-0.0021	0.0384
1672	11.2	10.8	3.1117	1.756	-0.0064	4.8613	-0.1373	0.1806	0.0009	0.0442
1673	11.3	10.8	3.1186	1.7495	-0.0065	4.8617	-0.3009	0.3105	-0.003	0.0066
1674	11	10.7	3.1214	1.7469	-0.0064	4.8619	-0.4094	0.4511	-0.0111	0.0306
1675	11.4	10.7	3.1211	1.7481	-0.0064	4.8628	-0.412	0.4679	-0.016	0.0399
1676	11.5	10.7	3.1244	1.7446	-0.0064	4.8626	-0.3749	0.434	-0.0184	0.0406
1677	10.9	10.6	3.1287	1.7396	-0.0064	4.8619	-0.4986	0.5385	-0.0216	0.0183
1678	10.5	10.5	3.137	1.731	-0.0065	4.8615	-0.6115	0.6561	-0.0208	0.0238
1679	10.5	10.5	3.1383	1.7302	-0.0069	4.8616	-0.6469	0.6983	-0.0155	0.036
1680	10.5	10.5	3.1378	1.7291	-0.0069	4.86	-0.6784	0.7363	-0.0085	0.0495
1681	10.4	10.5	3.1327	1.7359	-0.0068	4.8618	-0.7848	0.8598	-0.0053	0.0697
1682	10.3	10.4	3.1269	1.742	-0.0068	4.8621	-0.8032	0.8686	-0.004	0.0613
1683	9.74	10.4	3.1201	1.7492	-0.0067	4.8625	-0.823	0.8754	-0.0001	0.0523
1684	9.95	10.3	3.1156	1.7539	-0.0065	4.863	-0.8369	0.8855	0.0043	0.053
1685	9.62	10.3	3.1216	1.7477	-0.0065	4.8628	-0.8034	0.8558	0.0046	0.057
1686	9.93	10.2	3.1215	1.7479	-0.0063	4.8632	-0.7008	0.7664	-0.0001	0.0655
1687	10.2	10.2	3.1168	1.7523	-0.0059	4.8632	-0.6444	0.7137	-0.0049	0.0644
1688	9.96	10.2	3.1139	1.7558	-0.0057	4.8639	-0.5153	0.5822	-0.0084	0.0584
1689	10.2	10.2	3.1186	1.7521	-0.0055	4.8652	-0.3432	0.4052	-0.0082	0.0538
1690	10.1	10.2	3.1203	1.7508	-0.0053	4.8658	-0.1965	0.2624	-0.0095	0.0564
1691	10.6	10.2	3.118	1.7527	-0.0052	4.8655	-0.0238	0.0914	-0.0055	0.0621
1692	10.6	10.2	3.1179	1.7531	-0.0053	4.8657	-0.0355	0.0996	-0.007	0.0571
1693	9.86	10.2	3.1293	1.7405	-0.0054	4.8645	-0.1391	0.2087	-0.0053	0.0643

1694	9.87	10.3	3.1436	1.7269	-0.0056	4.8649	-0.1705	0.2426	-0.0044	0.0677
1695	9.86	10.4	3.1486	1.7207	-0.0052	4.8641	-0.2065	0.286	-0.0046	0.075
1696	10.7	10.4	3.1526	1.7167	-0.0051	4.8642	-0.2187	0.297	-0.0045	0.0738
1697	10.6	10.5	3.1567	1.7128	-0.0052	4.8643	-0.2013	0.2965	-0.0071	0.088
1698	10.5	10.6	3.1585	1.7098	-0.0052	4.8631	-0.28	0.366	-0.0099	0.0761
1699	10.5	10.6	3.1622	1.7057	-0.0052	4.8628	-0.3614	0.4584	-0.011	0.086
1700	10.3	10.7	3.1651	1.7036	-0.005	4.8638	-0.4747	0.5587	-0.0131	0.0709
1701	10.8	10.7	3.1661	1.7042	-0.0049	4.8654	-0.4989	0.562	-0.0138	0.0492
1702	10.4	10.7	3.172	1.6981	-0.005	4.8651	-0.4997	0.5512	-0.0154	0.0361
1703	10.9	10.8	3.1761	1.6931	-0.005	4.8641	-0.4805	0.513	-0.0105	0.022
1704	11.1	10.9	3.1792	1.6901	-0.005	4.8643	-0.4616	0.5142	-0.0081	0.0445
1705	11.3	10.9	3.1822	1.6875	-0.0051	4.8647	-0.4317	0.4871	-0.006	0.0494
1706	11.5	10.9	3.1824	1.6871	-0.0048	4.8647	-0.4064	0.4708	-0.0042	0.0602
1707	11.2	10.9	3.1827	1.6859	-0.0048	4.8638	-0.3844	0.4524	-0.001	0.0669
1708	11.5	10.9	3.1935	1.6754	-0.0047	4.8641	-0.3712	0.451	0.0015	0.0813
1709	11.1	10.9	3.1984	1.6699	-0.0048	4.8635	-0.4005	0.4786	-0.0002	0.0779
1710	11.3	10.9	3.2003	1.6683	-0.0051	4.8635	-0.5377	0.6673	-0.0052	0.1244
1711	10.7	10.9	3.1892	1.6793	-0.0048	4.8638	-0.8463	0.9087	-0.005	0.0574
1712	11.1	10.9	3.1726	1.6958	-0.0044	4.864	-1.1243	1.2034	-0.0078	0.0713
1713	11.4	10.9	3.1591	1.7099	-0.0044	4.8646	-1.1771	1.2564	-0.0127	0.0666
1714	10.7	10.9	3.1441	1.7242	-0.0044	4.8638	-1.1597	1.2347	-0.0149	0.0601
1715	10.2	10.9	3.1395	1.7293	-0.0045	4.8643	-1.2157	1.2726	-0.0182	0.0387
1716	10.4	10.8	3.1373	1.7334	-0.0044	4.8662	-1.2251	1.2809	-0.0164	0.0394
1717	10.6	10.8	3.1374	1.7332	-0.0044	4.8662	-1.2638	1.3276	-0.0154	0.0484
1718	10.9	10.8	3.1406	1.7296	-0.0042	4.8659	-1.2265	1.291	-0.0162	0.0482
1719	10.7	10.8	3.138	1.7316	-0.0044	4.8652	-1.2875	1.3479	-0.0135	0.0468
1720	10.2	10.8	3.1527	1.7165	-0.0044	4.8649	-1.2132	1.28	-0.0137	0.0531
1721	10.9	10.8	3.1612	1.7078	-0.0047	4.8643	-1.0493	1.1367	-0.0122	0.0752
1722	10.4	10.8	3.1691	1.7025	-0.0046	4.867	-1.1154	1.1962	-0.0057	0.075
1723	11.3	10.7	3.1724	1.6965	-0.0043	4.8646	-1.1807	1.2838	-0.0025	0.1006
1724	10.6	10.7	3.1689	1.6986	-0.0043	4.8632	-1.1061	1.2347	-0.0003	0.1282
1725	10.7	10.7	3.164	1.7027	-0.0042	4.8625	-1.0207	1.1475	0.0036	0.1304
1726	11.2	10.7	3.1727	1.6949	-0.004	4.8636	-1.0117	1.1496	0.0059	0.1438
1727	11.3	10.7	3.1795	1.6878	-0.0041	4.8633	-1.0269	1.1624	0.005	0.1405
1728	11.1	10.7	3.1843	1.6823	-0.0048	4.8618	-1.0157	1.1567	0.0045	0.1455
1729	10.5	10.7	3.1877	1.6781	-0.0055	4.8603	-1.1427	1.2744	-0.0014	0.1302
1730	10.7	10.7	3.1924	1.6721	-0.0058	4.8587	-1.2194	1.3739	-0.009	0.1454

1731	10.5	10.7	3.1989	1.6665	-0.0059	4.8595	-1.3502	1.4735	-0.0132	0.1101
1732	10.5	10.7	3.2007	1.6651	-0.0061	4.8598	-1.4762	1.6157	-0.0134	0.1261
1733	10.3	10.6	3.2004	1.6653	-0.0062	4.8595	-1.618	1.7595	-0.0144	0.127
1734	10.6	10.6	3.1964	1.6689	-0.0061	4.8593	-1.7241	1.8647	-0.0137	0.1269
1735	10.7	10.6	3.1932	1.6718	-0.0056	4.8595	-1.7559	1.9018	-0.0104	0.1355
1736	9.89	10.6	3.1926	1.6722	-0.0052	4.8596	-1.6768	1.8284	-0.0096	0.142
1737	10.6	10.5	3.1858	1.6795	-0.005	4.8602	-1.6661	1.8233	-0.0075	0.1497
1738	10.6	10.5	3.1772	1.6885	-0.0049	4.8608	-1.7187	1.865	-0.0051	0.1411
1739	10.6	10.6	3.1664	1.6992	-0.0048	4.8608	-1.7485	1.9039	-0.0025	0.1529
1740	10.6	10.6	3.158	1.7072	-0.0051	4.8601	-1.594	1.7501	-0.0008	0.1554
1741	10.2	10.6	3.1591	1.7068	-0.005	4.8609	-1.5237	1.6942	0.0018	0.1722
1742	10.4	10.6	3.1642	1.7015	-0.0052	4.8605	-1.6103	1.7777	0.0049	0.1722
1743	11	10.6	3.1637	1.702	-0.0053	4.8604	-1.6567	1.8225	0.0042	0.1701
1744	10.5	10.6	3.1668	1.6988	-0.0054	4.8601	-1.502	1.6584	0.0042	0.1606
1745	10.7	10.6	3.1671	1.6977	-0.0057	4.8591	-1.2347	1.4009	0.003	0.1692
1746	10.2	10.6	3.1647	1.6977	-0.0059	4.8565	-1.0989	1.2469	0.0065	0.1545
1747	10.5	10.6	3.1731	1.6901	-0.0058	4.8574	-0.9398	1.0769	0.0065	0.1436
1748	11.4	10.6	3.1786	1.6827	-0.0058	4.8555	-0.8132	0.9534	0.0053	0.1455
1749	10.7	10.6	3.1838	1.6774	-0.0056	4.8556	-0.6953	0.8252	0.0063	0.1362
1750	10.8	10.6	3.1819	1.6801	-0.0054	4.8565	-0.4894	0.6287	0.0076	0.147
1751	10.2	10.6	3.1812	1.6808	-0.0052	4.8569	-0.3671	0.5038	0.0112	0.1479
1752	10.5	10.6	3.1782	1.6851	-0.0056	4.8576	-0.3613	0.5146	0.0119	0.1651
1753	10.9	10.6	3.175	1.6863	-0.0061	4.8553	-0.3043	0.4583	0.0107	0.1646
1754	10.7	10.6	3.1761	1.6843	-0.0062	4.8542	-0.2659	0.4108	0.0107	0.1556
1755	10.5	10.6	3.176	1.6832	-0.0061	4.8531	-0.2359	0.3844	0.0112	0.1596
1756	10.3	10.7	3.1788	1.6797	-0.006	4.8524	-0.2065	0.3613	0.0104	0.1652
1757	10.5	10.7	3.1784	1.6792	-0.006	4.8516	-0.2067	0.3601	0.0132	0.1665
1758	10.5	10.7	3.18	1.6779	-0.0059	4.852	-0.2062	0.3513	0.0137	0.1588
1759	10.5	10.7	3.1867	1.6666	-0.0057	4.8475	-0.0914	0.2407	0.0149	0.1642
1760	10.6	10.7	3.2071	1.6538	-0.0057	4.8553	-0.0381	0.1832	0.0136	0.1587
1761	10.6	10.7	3.2248	1.6346	-0.0056	4.8537	-0.0178	0.1675	0.0113	0.161
1762	10.6	10.7	3.2267	1.6327	-0.0054	4.854	-0.1418	0.2931	0.0145	0.1658
1763	10.6	10.7	3.2232	1.6364	-0.0053	4.8543	-0.333	0.4844	0.0187	0.1701
1764	10.8	10.7	3.2253	1.6353	-0.0051	4.8554	-0.4918	0.6514	0.0194	0.179
1765	11.3	10.6	3.2271	1.6331	-0.0053	4.8548	-0.6717	0.8248	0.0189	0.172
1766	11.2	10.6	3.2336	1.6265	-0.0053	4.8549	-0.734	0.8945	0.019	0.1796
1767	11.2	10.6	3.2339	1.6265	-0.0055	4.8549	-0.7688	0.9541	0.0195	0.2048

1768	10.6	10.6	3.2319	1.6288	-0.0056	4.8551	-0.7762	0.9632	0.0202	0.2072
1769	10.7	10.6	3.2247	1.6357	-0.0056	4.8547	-0.7472	0.931	0.0224	0.2061
1770	10.5	10.5	3.2104	1.6479	-0.0058	4.8525	-0.7882	0.9677	0.021	0.2005
1771	10.3	10.5	3.2184	1.6409	-0.0061	4.8531	-0.6141	0.7914	0.0209	0.1983
1772	10.8	10.4	3.2297	1.6276	-0.0061	4.8512	-0.5148	0.6908	0.0174	0.1934
1773	10.3	10.4	3.2293	1.626	-0.0064	4.8489	-0.4207	0.6321	0.0191	0.2306
1774	10.5	10.4	3.2235	1.6322	-0.0068	4.8489	-0.3829	0.562	0.023	0.2022
1775	9.96	10.3	3.2222	1.6331	-0.007	4.8484	-0.4343	0.5978	0.0233	0.1868
1776	10.8	10.3	3.2271	1.6283	-0.0069	4.8485	-0.5052	0.6603	0.0244	0.1795
1777	10.2	10.3	3.2302	1.6239	-0.0069	4.8473	-0.3936	0.5636	0.0276	0.1976
1778	9.89	10.3	3.2513	1.6035	-0.0063	4.8485	-0.3061	0.4744	0.0268	0.1952
1779	9.39	10.2	3.2602	1.5929	-0.006	4.8471	-0.2436	0.4036	0.0183	0.1783
1780	9.86	10.2	3.2729	1.5817	-0.0056	4.849	-0.1998	0.3508	0.0087	0.1597
1781	9.44	10.2	3.2803	1.5743	-0.0055	4.8492	-0.1348	0.2691	0.0044	0.1387
1782	9.93	10.1	3.2887	1.566	-0.0054	4.8494	-0.0426	0.1921	0.0029	0.1523
1783	10.5	10.1	3.2925	1.5627	-0.0054	4.8499	-0.0165	0.1749	0.0002	0.1586
1784	10.5	10	3.2912	1.5637	-0.0055	4.8494	-0.0225	0.1806	-0.0017	0.1564
1785	10.7	9.96	3.2893	1.5648	-0.0055	4.8486	-0.0825	0.2383	-0.0005	0.1554
1786	10.3	9.87	3.2882	1.5656	-0.0055	4.8483	-0.1332	0.2865	0.0074	0.1607
1787	10.4	9.79	3.2887	1.5659	-0.0054	4.8491	-0.144	0.2959	0.014	0.1659
1788	10.1	9.76	3.2887	1.5654	-0.0055	4.8487	-0.2556	0.4166	0.017	0.178
1789	10.5	9.77	3.278	1.577	-0.0054	4.8497	-0.3984	0.5694	0.0186	0.1896
1790	10	9.78	3.2726	1.5814	-0.0055	4.8485	-0.5812	0.7537	0.0203	0.1928
1791	9.09	9.86	3.2791	1.5749	-0.0057	4.8483	-0.7317	0.9005	0.0169	0.1857
1792	9.02	9.82	3.2836	1.5709	-0.0057	4.8487	-0.7247	0.9089	0.0182	0.2024
1793	9.26	9.72	3.2795	1.5747	-0.0058	4.8484	-0.65	0.8332	0.0155	0.1987
1794	9.22	9.62	3.2671	1.5868	-0.0059	4.848	-0.67	0.8564	0.0136	0.2
1795	9.11	9.5	3.2585	1.596	-0.0058	4.8487	-0.6263	0.8135	0.0112	0.1984
1796	8.88	9.49	3.2466	1.609	-0.0058	4.8498	-0.6329	0.8085	0.0075	0.1831
1797	9.21	9.58	3.238	1.6174	-0.0057	4.8497	-0.6889	0.8234	0.0038	0.1383
1798	9.66	9.75	3.228	1.6273	-0.0058	4.8495	-0.5428	0.6966	0.005	0.1588
1799	10.1	10.2	3.2111	1.6429	-0.0059	4.8481	-0.447	0.5664	0.0053	0.1246
1800	10.9	10.9	3.2019	1.6532	-0.0061	4.849	-0.3544	0.4744	0.0094	0.1294