



21.61	-79.7244	9.2599	2.31902	6.31114	0.56327	0.88491	6.2799
21.97	-79.7176	8.29904	3.22162	6.26384	0.59278	1.38193	4.12291
22.34	-79.6812	10.2136	7.05955	6.35104	0.40548	1.20429	3.53976
22.71	-79.6579	11.5816	7.81559	6.28713	0.69931	1.11914	5.63744
23.07	-79.6285	9.04732	5.24215	6.2276	1.04302	1.48421	3.50716
23.44	-79.5424	8.67664	6.31192	5.48527	1.9023	0.84983	1.00725
23.8	-79.5659	13.54459	11.31414	6.74057	2.30479	1.59262	1.4705
24.17	-79.573	12.56922	9.93645	5.5569	3.73384	2.18024	3.11095
24.54	-79.6541	13.22826	7.91022	7.29101	4.7892	1.43953	5.85216
24.9	-79.4954	16.0488	11.48233	6.05659	3.69091	2.10286	8.4257
25.27	-79.4789	16.31835	12.87401	4.34323	5.34651	1.47599	7.1359
25.63	-79.5688	12.48548	8.42638	6.74992	4.1705	1.78074	4.33103
26	-79.4056	11.6383	9.58783	5.15452	2.49761	1.92123	2.65053
26.37	-79.476	12.0919	10.39907	5.3819	2.55681	0.92976	1.30638
26.73	-79.5142	9.33208	7.24859	5.39915	1.44403	1.70856	0.62479
27.1	-79.4821	10.0316	8.15253	5.25565	0.96238	1.18316	2.05459
27.47	-79.5177	8.96123	5.8236	5.06824	0.53313	1.61576	4.21988
27.83	-79.4937	8.96302	5.79491	4.80737	0.36647	1.07125	4.72885
28.2	-79.5622	6.76333	2.51226	4.88056	0.7241	1.49023	3.58695
28.56	-79.5763	7.22596	3.98149	4.73186	0.71097	3.16183	1.86254
28.93	-79.5615	6.94655	2.74091	4.55793	0.3888	4.31975	1.0751
29.3	-79.5988	6.77207	1.27653	4.37498	0.54282	4.9539	0.50515
29.66	-79.6217	7.1909	2.51893	4.67565	0.28645	4.79195	0.67649
30.03	-78.7718	6.84331	1.48162	4.02956	0.14438	5.29266	0.60428
30.4	-78.7528	7.17798	0.89649	4.71009	0.25929	5.05625	1.70349
30.76	-78.7541	6.60612	0.80885	3.12647	0.44526	4.61379	3.42439
31.13	-78.7582	6.65136	0.9975	4.33047	0.47142	1.61975	4.65262
31.49	-78.7354	5.488	0.40383	3.09144	0.5768	1.03384	4.35851
31.86	-78.8078	6.90766	1.0799	5.94165	0.29231	1.70146	2.87505
32.23	-78.7311	2.98235	1.49375	1.67674	0.99826	1.12225	1.26319
32.59	-78.8023	6.82217	1.12744	6.56366	0.58995	1.12949	0.75194
32.96	-78.6747	3.33339	1.48974	2.31696	1.38301	1.02358	0.75064
33.33	-78.742	6.02987	1.62577	5.63243	0.66085	1.07277	0.6359
33.69	-78.4851	4.1581	1.25319	3.57748	1.22083	0.93348	0.74773
34.06	-78.6638	3.30661	1.29967	2.82325	0.50176	0.93866	0.37541
34.42	-78.4692	6.11492	0.19032	5.88675	1.06356	0.72761	1.02063
34.79	-78.567	3.43916	1.34603	1.95677	0.31324	0.91034	2.29352
35.16	-77.7191	6.25017	0.87228	5.0933	1.05054	0.91839	3.22721
35.52	-77.6807	5.248	1.4172	2.471	1.11835	0.75743	4.19557
35.89	-77.5825	6.5681	0.851	4.7255	1.84348	0.97377	3.9672
36.25	-77.5343	5.278	1.4131	3.09586	2.75199	0.89926	2.80962
36.62	-77.577	5.52665	1.08612	3.70704	3.54546	0.69907	1.60097
36.99	-77.4488	6.06194	1.52649	3.73459	4.36815	0.83381	0.83295
37.35	-77.5145	6.11823	0.99087	3.6349	4.73411	0.8214	0.38966
37.72	-77.435	5.82733	1.45698	3.29913	4.50421	0.73274	0.35487
38.09	-77.4938	5.59148	1.39923	3.40755	4.0888	0.84908	0.50612
38.82	-77.4947	4.53614	1.20736	3.18281	2.58474	1.04571	1.10191

39.55	-77.5583	3.71544	1.15287	3.10524	0.97496	1.21202	0.64293
40.28	-76.8684	3.24091	0.83831	2.7896	0.08435	1.16615	0.80736
41.02	-76.8389	4.45102	1.01609	2.9549	0.14464	0.50871	3.12538
41.75	-76.8931	4.9002	0.79964	3.02752	0.29732	0.53026	3.71982
42.48	-76.7177	3.69053	0.88462	2.7238	0.10138	0.58321	2.25122
43.21	-77.1654	3.13354	0.86732	2.84523	0.14031	0.61261	0.75929
43.95	-76.7534	2.8734	0.56432	2.59699	0.04777	0.58922	0.91876
44.68	-76.6537	2.638	0.32119	2.44523	0.03011	0.56016	0.7497
45.41	-76.0988	2.8049	1.06297	2.49668	0.05268	0.51426	0.48674
46.14	-76.4778	3.03715	1.5422	2.55456	0.02114	0.54835	0.13774
46.88	-76.2894	3.50163	1.48546	3.11563	0.03039	0.56669	0.16008
47.61	-76.0768	2.51552	1.62613	1.83801	0.09905	0.53373	0.10279
48.34	-76.0251	4.10021	2.85563	2.7774	0.32597	0.90814	0.11049
49.07	-76.8577	5.77283	3.98222	2.96605	0.32358	2.83598	0.72285
49.8	-76.5545	7.81353	3.34768	6.25931	0.43602	2.8917	1.45372
50.54	-75.7685	6.77294	2.96483	5.11871	0.54323	3.05962	1.10676
51.27	-75.6794	3.25704	2.65455	1.37379	0.34578	1.23807	0.14845
52	-75.829	4.09647	2.74486	2.96946	0.22516	0.60865	0.08912
52.73	-76.4833	3.30308	2.5253	2.08475	0.04578	0.41651	0.1068
53.47	-76.1745	2.66025	0.98416	2.435	0.04052	0.4046	0.11731
54.2	-76.9669	2.31337	1.01566	2.03861	0.01971	0.32935	0.23525
54.93	-76.4188	2.41997	1.17367	1.94727	0.01992	0.36314	0.74473
55.66	-76.054	2.09912	0.70648	1.86117	0.00645	0.32928	0.57857
56.4	-75.9984	2.02421	0.55706	1.7939	0.05949	0.33473	0.67339
57.13	-76.1228	1.99389	0.51074	1.85888	0.05727	0.32117	0.39098
57.86	-76.2929	2.09204	0.60161	1.80849	0.0943	0.29424	0.80535
58.59	-76.4528	2.07748	0.43534	1.81719	0.05597	0.29251	0.85764
59.33	-76.3018	1.97767	0.52596	1.75309	0.15956	0.34692	0.64452
60.06	-76.0839	1.93893	0.65021	1.73196	0.4064	0.36448	0.19745
60.79	-76.048	2.4583	0.7407	1.71585	1.42033	0.30462	0.66356
61.52	-76.1241	3.28669	0.68685	1.63161	2.70567	0.25478	0.53182
62.26	-76.178	3.93352	0.53271	1.68253	3.50279	0.27291	0.11774
62.99	-76.236	3.71839	0.7597	1.66425	3.224	0.23895	0.16801
64.09	-76.3105	2.45077	0.84224	1.54142	1.56148	0.23992	0.65204
65.19	-75.997	1.48344	0.64055	1.20612	0.28851	0.21726	0.45292
66.28	-76.1017	1.21283	0.51784	1.05896	0.174	0.21227	0.0779
67.38	-76.1681	1.57344	0.63008	1.39744	0.19831	0.25861	0.14023
68.48	-76.241	1.92404	0.67388	1.61245	0.14874	0.15124	0.7764
69.58	-76.3375	1.87239	0.80278	1.53427	0.04793	0.64663	0.29493
70.68	-76.0828	1.71658	0.44163	1.41912	0.00995	0.85678	0.05951
71.78	-76.155	2.58304	2.153	1.34946	0.03793	0.30083	0.3517
72.88	-76.2545	3.60897	3.34126	1.3433	0.01479	0.16214	0.17217
73.97	-76.3305	4.6424	4.43428	1.29018	0.08993	0.24124	0.39777
75.07	-76.0787	4.91929	4.69478	1.22092	0.11046	0.21343	0.78106
76.17	-76.175	4.38437	4.19334	1.23879	0.01964	0.24724	0.20596
77.27	-76.2628	2.84319	2.52731	1.25329	0.03927	0.15216	0.31783
78.37	-76.3602	2.09698	1.52549	1.19111	0.01504	0.16933	0.78903

79.47	-76.4515	1.39499	0.87087	1.03739	0.05992	0.14178	0.29616
80.57	-76.2238	0.8891	0.30579	0.77598	0.05747	0.13588	0.27034
81.67	-76.3132	1.33863	0.49114	1.19437	0.01606	0.11045	0.33425
82.76	-76.4157	4.56284	0.58838	4.51366	0.02857	0.23064	0.21475
83.86	-76.464	2.88794	0.40807	2.85056	0.02169	0.11321	0.18627
84.96	-76.5685	3.06631	0.52852	3.0023	0.1394	0.14018	0.26473
86.06	-76.3229	0.95659	0.4433	0.65395	0.48514	0.11336	0.2066
87.16	-76.4341	1.34984	0.3718	0.926	0.90008	0.11414	0.05647
88.26	-76.5036	1.35182	0.45714	1.01271	0.7353	0.22422	0.04383
89.72	-76.5926	1.35796	0.43211	0.97349	0.14987	0.82728	0.05285
91.19	-76.4416	1.2453	0.42423	0.91899	0.02843	0.23568	0.68551
92.65	-76.6432	1.16986	0.4438	0.90454	0.02591	0.08777	0.58742
94.12	-76.8315	1.10032	0.54466	0.87531	0.02397	0.09348	0.37226
95.58	-76.3983	0.93571	0.35936	0.8425	0.02429	0.09361	0.16506
97.05	-76.3859	0.97084	0.43561	0.85877	0.06261	0.09924	0.03917
98.51	-76.919	0.74725	0.12244	0.72295	0.12425	0.06026	0.04076
99.98	-77.0865	1.69249	1.25637	1.11886	0.13109	0.11042	0.06948
101.44	-76.4481	0.73933	0.25619	0.68098	0.11135	0.0578	0.03875
102.91	-76.5891	0.97963	0.49851	0.8338	0.04969	0.10812	0.04244
104.37	-77.0231	0.77968	0.21964	0.72125	0.04156	0.08944	0.17243
105.83	-76.8721	0.99298	0.56194	0.73745	0.01176	0.09004	0.34373
107.3	-76.7944	0.89299	0.32653	0.71876	0.01538	0.06955	0.41123
108.76	-76.9572	0.94933	0.34747	0.67453	0.02401	0.38738	0.41818
110.23	-76.873	1.11402	0.45805	0.68921	0.16076	0.72703	0.04259
111.69	-77.1577	1.2211	0.57063	0.67714	0.81373	0.20563	0.04994
113.16	-77.1463	1.17966	0.30873	0.72786	0.86964	0.07315	0.0698
114.62	-77.2616	0.9331	0.33911	0.82491	0.22902	0.08391	0.1254
116.46	-77.1611	1.57522	0.3213	1.53157	0.01661	0.06737	0.16608
118.29	-77.2924	1.07478	0.27806	1.01769	0.01751	0.0652	0.19388
120.12	-77.2001	1.05548	0.87895	0.5738	0.00651	0.05305	0.09686
121.95	-77.3387	2.39049	2.30066	0.58947	0.03373	0.06391	0.26217
123.78	-77.4689	3.90345	3.85473	0.58654	0.0765	0.05163	0.15941
125.61	-77.392	3.86345	3.81213	0.57346	0.05929	0.0344	0.24564
127.44	-77.5163	2.59466	2.53401	0.53556	0.04616	0.04871	0.14054
129.27	-77.6512	1.44089	1.25353	0.5317	0.02192	0.4704	0.01957
131.1	-77.5765	0.75231	0.4231	0.49206	0.00971	0.33625	0.17794
132.93	-77.7014	0.59295	0.34812	0.47607	0.02195	0.03974	0.04122
134.77	-77.83	0.63013	0.38831	0.45874	0.09909	0.05197	0.15268
136.6	-77.7523	0.91942	0.30587	0.44812	0.73711	0.03099	0.08166
138.43	-77.8954	0.86184	0.30473	0.46374	0.65151	0.05265	0.08728
140.26	-77.8674	0.56884	0.32133	0.44614	0.02681	0.02404	0.14138
142.46	-77.8698	0.58599	0.32006	0.43627	0.01036	0.03564	0.22189
144.65	-77.9014	0.53146	0.31645	0.41602	0.01729	0.03147	0.08911
146.85	-78.1789	0.48167	0.36467	0.31159	0.01622	0.03251	0.02474
149.05	-77.8579	0.79729	0.2747	0.69995	0.022	0.24036	0.10969
151.25	-77.8323	0.7968	0.28238	0.72444	0.01337	0.16635	0.04985
153.44	-78.5353	0.47909	0.33044	0.34496	0.00252	0.02426	0.02724

155.64	-78.3432	0.48775	0.31637	0.35492	0.01514	0.04302	0.09877
157.84	-78.4187	0.51778	0.31605	0.33498	0.0075	0.02735	0.23492
160.03	-78.4498	0.4801	0.31591	0.33278	0.12506	0.05385	0.03757
162.23	-78.5481	0.79292	0.30662	0.30997	0.66066	0.02758	0.03744
164.43	-78.6933	0.51264	0.31213	0.31165	0.18071	0.03905	0.18455
166.99	-78.6865	0.46109	0.3361	0.31159	0.01788	0.02666	0.03902
169.56	-78.8516	0.64162	0.36908	0.30817	0.00941	0.42242	0.04425
172.12	-78.848	1.03057	0.98728	0.27442	0.00715	0.05797	0.09285
174.68	-79.0114	1.05535	0.99473	0.28095	0.0103	0.04282	0.20831
177.25	-79.0143	1.01736	0.98645	0.24243	0.00776	0.02284	0.0507
179.81	-79.1655	0.38502	0.33286	0.19102	0.01123	0.00347	0.02861
182.37	-79.1701	1.08401	0.30945	1.03692	0.00624	0.03272	0.05481
184.94	-79.3295	0.56078	0.31844	0.45218	0.07052	0.02309	0.05569
187.5	-79.2268	0.56835	0.27343	0.21898	0.44585	0.0084	0.03812
190.06	-79.2441	0.52	0.32917	0.22236	0.02562	0.33013	0.05447
192.99	-79.3913	0.40866	0.33578	0.19698	0.01697	0.01852	0.12173
195.92	-79.4852	0.43032	0.39512	0.16657	0.02175	0.01576	0.02417
198.85	-79.5683	0.49813	0.44498	0.22051	0.02359	0.01861	0.02461
201.78	-79.6697	0.29791	0.22647	0.18974	0.01831	0.01814	0.02828
204.71	-79.7622	0.41231	0.36123	0.18962	0.0196	0.00813	0.05574
207.64	-79.8131	0.37584	0.29907	0.19072	0.02184	0.03962	0.11573
210.57	-79.8624	0.41807	0.29668	0.17558	0.1585	0.17188	0.03561
213.5	-80.0185	0.4182	0.29874	0.00918	0.28765	0.03259	0.04192
216.43	-80.0472	0.74794	0.26354	0.69707	0.02645	0.00768	0.05743
219.73	-80.2271	0.2803	0.19619	0.19831	0.01031	0.01585	0.01979
223.02	-80.2754	0.82632	0.81252	0.13942	0.01304	0.03477	0.04249
226.32	-80.3271	0.9879	0.97649	0.13742	0.01261	0.03439	0.04679
229.61	-80.4818	0.48662	0.41201	0.13908	0.00844	0.21697	0.0235
232.91	-80.5371	0.34038	0.30669	0.14119	0.02231	0.00695	0.03626
236.21	-80.5911	0.40497	0.28052	0.1299	0.25774	0.01222	0.04306
239.5	-80.6891	0.31223	0.27177	0.12396	0.08051	0.01703	0.03859
243.16	-81.058	0.28712	0.26099	0.10382	0.00827	0.0169	0.05646
246.83	-80.4218	0.32561	0.27596	0.16865	0.00298	0.01217	0.03567
250.49	-80.8817	0.52246	0.25075	0.43509	0.0385	0.11632	0.07602
254.15	-81.0191	0.29406	0.26662	0.1147	0.01268	0.02584	0.03746
257.81	-81.2088	0.3095	0.27152	0.09943	0.02327	0.02285	0.10543
261.47	-81.2208	0.3287	0.25953	0.07104	0.18545	0.00345	0.03519
265.14	-81.3165	0.30185	0.27185	0.12358	0.02192	0.00284	0.03806
269.17	-81.4995	0.36133	0.3175	0.09479	0.0277	0.13134	0.05239
273.19	-81.5769	1.20769	1.2018	0.10753	0.01702	0.02524	0.04125
277.22	-81.6562	0.73179	0.72489	0.08272	0.0076	0.03149	0.04645
281.25	-81.757	0.42267	0.28584	0.3055	0.00452	0.02314	0.05527
285.28	-81.8176	0.34357	0.261	0.20519	0.07675	0.02171	0.03822
289.31	-81.9916	0.31558	0.2767	0.08186	0.09408	0.08218	0.02697
293.33	-82.0677	0.34819	0.33359	0.08202	0.02347	0.01345	0.04997
297.73	-82.1685	0.32729	0.311	0.08892	0.02685	0.01006	0.04082
302.12	-82.2529	0.30968	0.29956	0.06818	0.01724	0.0213	0.02763

306.52	-82.3417	0.32571	0.30901	0.06512	0.00836	0.01476	0.07794
310.91	-82.4427	0.29539	0.26104	0.06892	0.08877	0.07324	0.03353
315.31	-82.531	0.38881	0.27072	0.27467	0.01837	0.01696	0.04268
320.07	-82.6372	0.36137	0.35374	0.05828	0.01973	0.01549	0.03778
324.83	-82.8238	0.97704	0.9708	0.06639	0.03335	0.04438	0.06839
329.59	-82.9262	0.40085	0.3814	0.06746	0.01684	0.099	0.02391
334.35	-83.0267	0.28188	0.25898	0.08177	0.03461	0.01918	0.06428
339.11	-83.1417	0.27727	0.26067	0.05677	0.0553	0.02045	0.0472
343.87	-83.1957	0.26029	0.24989	0.04339	0.03826	0.00768	0.04359
349	-83.1606	0.39389	0.27733	0.2657	0.02657	0.07022	0.0448
354.13	-83.3117	0.24577	0.23742	0.04996	0.02486	0.01802	0.02443
359.25	-83.536	0.25288	0.2368	0.06602	0.02275	0.02532	0.04855
364.38	-83.6587	0.26232	0.24998	0.03491	0.03441	0.02077	0.05907
369.51	-83.7683	0.2675	0.24545	0.0495	0.01053	0.08308	0.04298
375	-83.8055	0.82105	0.8174	0.04061	0.03547	0.0154	0.05327
380.49	-83.927	0.31845	0.29166	0.1156	0.01017	0.01113	0.05248
385.99	-84.0431	0.29204	0.2595	0.10538	0.07199	0.00886	0.03973
391.48	-84.1585	0.29117	0.2768	0.04693	0.01593	0.03323	0.06785
397.34	-84.2852	0.26226	0.25371	0.03046	0.02721	0.02036	0.04827
403.2	-84.4104	0.28493	0.27556	0.03294	0.03954	0.02965	0.04148
409.06	-84.5369	0.29267	0.27696	0.05015	0.02164	0.06287	0.04485
414.92	-84.6569	0.30893	0.25983	0.15587	0.03342	0.01131	0.04888
420.78	-84.7116	0.46609	0.46096	0.02443	0.01779	0.02612	0.05623
427	-84.8453	0.76171	0.75827	0.04002	0.01387	0.01236	0.05733
433.23	-84.9771	0.24355	0.23185	0.03972	0.03088	0.01629	0.05259
439.45	-85.1247	0.29533	0.29145	0.01839	0.02701	0.00803	0.03386
445.68	-85.295	0.26025	0.25207	0.02107	0.00901	0.01587	0.05842
452.27	-85.4106	0.30612	0.29642	0.05395	0.00401	0.00578	0.05367
458.86	-85.4324	0.29014	0.27923	0.02295	0.02702	0.03741	0.05963
465.45	-85.4987	0.26792	0.2548	0.05892	0.02435	0.02337	0.0474
472.05	-85.6344	0.44945	0.44576	0.04211	0.01004	0.01408	0.03508
479	-85.7714	0.12325	0.11157	0.01897	0.01205	0.00898	0.04643
485.96	-85.8499	0.27676	0.25014	0.0727	0.0807	0.01734	0.04389
492.92	-85.9872	0.24143	0.23183	0.00824	0.03729	0.00705	0.05509
500.24	-86.0749	0.32909	0.31223	0.02321	0.06831	0.01796	0.07271
507.57	-86.2141	0.24462	0.2297	0.02285	0.02988	0.01009	0.07457
514.89	-86.3566	0.26146	0.23586	0.09462	0.02507	0.01728	0.05339
522.22	-86.4412	0.47739	0.47224	0.01527	0.01487	0.02256	0.06264
529.91	-86.5843	0.20401	0.16406	0.06438	0.01208	0.04631	0.09093
537.6	-86.6661	0.26084	0.23713	0.03738	0.08592	0.02231	0.05031
545.29	-86.8751	0.26515	0.25422	0.01065	0.01088	0.02065	0.07086
553.34	-86.7831	0.24352	0.22887	0.03333	0.00463	0.01829	0.07385
561.4	-87.0345	0.22946	0.20668	0.02916	0.08767	0.00784	0.03652
569.46	-87.1612	0.31445	0.30145	0.03903	0.02249	0.04029	0.06597
577.88	-87.2631	0.54823	0.54065	0.0224	0.0349	0.03803	0.07133
586.3	-87.3634	0.23397	0.22271	0.05699	0.00946	0.00743	0.04178
594.73	-87.5101	0.28917	0.2785	0.03068	0.02657	0.00638	0.06608

603.52	-87.6179	0.27972	0.27228	0.03348	0.01133	0.01587	0.05106
612.3	-87.7278	0.2765	0.2576	0.00956	0.06032	0.01181	0.07888
621.09	-87.8345	0.23074	0.21233	0.04965	0.00351	0.00607	0.07513
630.25	-87.945	0.26875	0.25072	0.02489	0.03115	0.06181	0.06293
639.4	-88.0967	0.30563	0.28886	0.01766	0.00974	0.0488	0.08474
648.56	-88.1835	0.30257	0.26687	0.07672	0.02138	0.00409	0.11821
658.08	-88.3073	0.26878	0.25483	0.03143	0.0409	0.01426	0.06664
667.6	-88.4434	0.29001	0.27039	0.07319	0.01923	0.02752	0.06715
677.49	-88.566	0.45744	0.44253	0.01935	0.04396	0.01358	0.10451
687.38	-88.683	0.28993	0.27074	0.0141	0.0616	0.03537	0.07426
697.27	-88.8062	0.20627	0.18844	0.03069	0.03175	0.0205	0.06833
707.52	-88.9234	0.26317	0.25181	0.02701	0.02512	0.00925	0.06635
717.77	-89.053	0.25221	0.22095	0.10626	0.0171	0.01877	0.0534
728.39	-89.1705	0.41675	0.39496	0.03715	0.05658	0.05546	0.10015
739.01	-89.2952	0.25903	0.22596	0.04614	0.08568	0.03856	0.07127
749.63	-89.5347	0.3068	0.28057	0.0932	0.01456	0.01689	0.07888
760.62	-89.4998	0.2748	0.25274	0.03244	0.05144	0.03389	0.0824
771.61	-89.6414	0.21175	0.18872	0.02131	0.02716	0.06209	0.06462
782.96	-89.7709	0.27667	0.24023	0.10557	0.02651	0.05714	0.06104
794.31	-89.9022	0.28214	0.25663	0.04383	0.01746	0.03573	0.10119
806.03	-90.0047	0.30727	0.28377	0.01467	0.03833	0.0482	0.0994
817.75	-90.1374	0.26283	0.22956	0.07301	0.02142	0.0079	0.10261
829.47	-90.267	0.29107	0.26919	0.06456	0.03328	0.05975	0.05843
841.55	-90.3936	0.27114	0.24042	0.02806	0.04104	0.00531	0.11497
853.64	-90.5206	0.21576	0.16367	0.03788	0.02393	0.01118	0.13279
866.09	-90.6052	0.24644	0.22764	0.01907	0.01364	0.00491	0.09133
878.54	-90.7461	0.25619	0.23135	0.02044	0.01225	0.02051	0.10546
891.36	-90.8526	0.22853	0.20177	0.00876	0.03079	0.0626	0.08107
904.17	-90.9981	0.27003	0.24552	0.02088	0.01746	0.03509	0.10325
917.36	-91.1008	0.25949	0.22219	0.08655	0.01002	0.01729	0.1004
930.54	-91.2132	0.3085	0.24772	0.03474	0.06575	0.10066	0.13471
944.09	-91.3405	0.31413	0.25194	0.00721	0.01985	0.03183	0.1837
957.64	-91.4845	0.21537	0.17767	0.03092	0.01434	0.00114	0.11686
971.56	-91.5878	0.30019	0.27991	0.0202	0.01142	0.04414	0.09634
985.84	-91.7117	0.32562	0.29814	0.05551	0.04174	0.0239	0.10838
1000.12	-91.8053	0.19427	0.14649	0.0548	0.04623	0.03092	0.10093
1014.77	-91.9771	0.32007	0.30295	0.04257	0.02117	0.02966	0.08674
1029.42	-92.0939	0.31452	0.27098	0.04389	0.01748	0.05399	0.14264
1044.43	-92.2235	0.22091	0.18925	0.03114	0.01655	0.04	0.10071
1059.45	-92.3432	0.28779	0.26295	0.07256	0.02054	0.02184	0.08668
1074.83	-92.4654	0.44785	0.40832	0.04419	0.06989	0.04579	0.15782
1090.58	-92.5603	0.31732	0.26979	0.01599	0.0452	0.04183	0.15446
1106.32	-92.6941	0.29382	0.26676	0.04686	0.02284	0.00722	0.11134
1122.44	-92.82	0.26185	0.19767	0.03626	0.05295	0.05642	0.14896
1138.92	-92.9518	0.36137	0.2746	0.01289	0.01804	0.11322	0.20464
1155.4	-93.1062	0.2554	0.21145	0.04162	0.02402	0.05498	0.12323
1172.24	-93.1842	0.39083	0.33069	0.0241	0.00902	0.08303	0.1893

1189.45	-93.3237	0.32024	0.24042	0.04056	0.02009	0.09544	0.18328
1206.67	-93.442	0.27763	0.23863	0.01475	0.04161	0.02512	0.13249
1224.24	-93.5975	0.19967	0.11885	0.06478	0.03499	0.06885	0.12482
1242.19	-93.6786	0.28111	0.18791	0.07834	0.02802	0.06257	0.18131
1260.13	-93.8065	0.30216	0.23129	0.03523	0.04311	0.08654	0.16497
1278.44	-93.9354	0.28067	0.17366	0.07778	0.00905	0.13879	0.1524
1297.12	-94.0529	0.32352	0.24026	0.04522	0.03734	0.03185	0.20613
1316.16	-94.174	0.30759	0.2294	0.06447	0.07254	0.04238	0.17543
1335.21	-94.283	0.30163	0.22207	0.11468	0.07363	0.01949	0.15071
1354.61	-94.4309	0.29954	0.24081	0.05292	0.043	0.07104	0.14845
1374.39	-94.5605	0.34925	0.30491	0.07311	0.06564	0.0425	0.13246
1394.53	-94.684	0.31184	0.23408	0.05929	0.06374	0.07162	0.17246
1414.67	-94.8058	0.39126	0.27595	0.04575	0.04267	0.07953	0.25826
1435.18	-94.9102	0.31165	0.23834	0.02947	0.03124	0.06259	0.18589
1456.05	-95.0168	0.28293	0.23682	0.02192	0.0369	0.07551	0.12815
1477.29	-95.1793	0.21923	0.10765	0.07297	0.01548	0.08771	0.15237
1498.9	-95.2981	0.38151	0.31914	0.01951	0.03744	0.08113	0.18797
1520.87	-95.4104	0.49001	0.27869	0.06366	0.01795	0.07917	0.38962
1542.85	-95.5518	0.33235	0.22908	0.0452	0.11853	0.04244	0.20021
1565.19	-95.6685	0.42648	0.30889	0.10746	0.08851	0.05909	0.25219
1587.89	-95.8013	0.38633	0.27834	0.01741	0.10449	0.11744	0.21625
1610.96	-95.9185	0.40617	0.2983	0.01081	0.03312	0.02639	0.27218
1634.4	-96.0508	0.34796	0.25418	0.0235	0.05181	0.1088	0.20345
1658.2	-96.1879	0.44496	0.34245	0.01782	0.13476	0.11533	0.22123
1682.37	-96.2801	0.45104	0.29995	0.06146	0.03216	0.06592	0.32297
1706.91	-96.4117	0.30697	0.16633	0.07791	0.08975	0.10554	0.20323
1731.81	-96.5387	0.43686	0.28712	0.07173	0.03986	0.10303	0.30176
1757.08	-96.6748	0.43073	0.22838	0.03901	0.0527	0.06473	0.35339
1782.71	-96.798	0.43708	0.31563	0.15168	0.02052	0.01608	0.26026
1808.72	-96.9277	0.37364	0.25392	0.05665	0.05577	0.0831	0.24881
1835.08	-97.0374	0.3616	0.22933	0.07218	0.12309	0.03146	0.23835
1861.82	-97.1713	0.45557	0.25556	0.06082	0.00657	0.03883	0.37011
1888.92	-97.3072	0.42308	0.2462	0.12541	0.13155	0.0338	0.29019
1916.38	-97.4043	0.42286	0.21583	0.1746	0.10719	0.10063	0.28307
1944.21	-97.5318	0.51228	0.31555	0.21047	0.12455	0.07698	0.31165
1972.41	-97.6666	0.32313	0.15147	0.06521	0.04124	0.0141	0.27445
2000.98	-97.7594	0.47196	0.26712	0.08699	0.03013	0.07761	0.36998
2029.91	-97.9216	0.36402	0.15549	0.08174	0.0548	0.08036	0.30363
2059.57	-98.0604	0.46112	0.26374	0.03022	0.17086	0.07014	0.3287
2089.6	-98.175	0.3711	0.2159	0.08374	0.14192	0.03293	0.25072
2120	-98.3034	0.55476	0.24998	0.05185	0.05784	0.08047	0.48245
2150.76	-98.4028	0.50049	0.28961	0.21924	0.04543	0.15669	0.30321
2181.88	-98.4821	0.54811	0.27044	0.12231	0.04395	0.10463	0.4466
2213.75	-98.6977	0.39096	0.17237	0.0601	0.09068	0.02991	0.33228
2245.97	-98.8221	0.50995	0.32035	0.0393	0.117	0.18113	0.33073
2278.56	-98.9368	0.51783	0.26665	0.05378	0.03641	0.05505	0.43566
2311.89	-99.0693	1.25588	0.3325	0.14454	0.12958	0.04427	1.19459

2345.58	-99.1932	0.6109	0.37367	0.08733	0.06435	0.29791	0.36476
2379.64	-99.3262	0.59926	0.24965	0.02055	0.05554	0.07319	0.53658
2414.43	-99.4472	0.70329	0.25554	0.15271	0.0668	0.17637	0.60863
2449.58	-99.5764	0.63801	0.22718	0.10536	0.0745	0.10542	0.57244
2485.11	-99.7109	0.77726	0.25642	0.08949	0.05369	0.12326	0.71575
2521.36	-99.8369	0.66431	0.3194	0.08354	0.15687	0.11253	0.54317
2557.98	-99.9748	0.97687	0.24113	0.21936	0.108	0.1455	0.90287
2595.34	-100.074	0.61759	0.22746	0.19381	0.09274	0.19454	0.49566
2633.06	-100.21	0.77483	0.32599	0.11781	0.18201	0.14173	0.65345
2671.51	-100.315	0.55387	0.08102	0.11598	0.03138	0.19753	0.49675
2710.33	-100.48	0.64279	0.35099	0.03793	0.0534	0.13767	0.51647
2749.88	-100.593	1.07468	0.35904	0.19996	0.08789	0.10258	0.98376
2789.79	-100.745	0.74706	0.33234	0.08541	0.01256	0.10428	0.65522
2830.44	-100.862	0.6314	0.33572	0.20917	0.10633	0.10223	0.46952
2871.46	-100.988	0.98238	0.28645	0.2206	0.15715	0.19141	0.87922
2913.21	-101.12	0.82849	0.45272	0.06078	0.37659	0.19182	0.54692
2955.69	-101.22	0.62057	0.28974	0.14275	0.17582	0.14469	0.47847
2998.54	-101.296	0.65744	0.3578	0.04956	0.11908	0.13123	0.51995
3042.11	-101.489	0.62843	0.23876	0.15563	0.10692	0.04959	0.54755
3086.43	-101.598	1.39136	0.27408	0.10444	0.2648	0.07545	1.33193
3131.47	-101.74	0.78782	0.21212	0.16055	0.15048	0.19211	0.70025
3176.88	-101.864	0.75403	0.16089	0.07612	0.07528	0.01901	0.7286
3223.02	-101.982	0.85087	0.20822	0.16697	0.13044	0.09609	0.79152
3269.9	-102.125	0.64466	0.27346	0.0772	0.21368	0.07736	0.53217
3317.5	-102.251	0.69924	0.29593	0.22509	0.21143	0.22096	0.50712
3365.84	-102.375	0.95252	0.12358	0.17778	0.1696	0.21584	0.88604
3414.92	-102.504	0.89592	0.38874	0.09074	0.0759	0.40079	0.69059
3464.72	-102.646	0.81261	0.38442	0.16022	0.09961	0.15621	0.67272
3515.26	-102.759	0.92438	0.07817	0.12207	0.11225	0.30275	0.85394
3566.53	-102.878	1.22306	0.3857	0.06566	0.1105	0.14197	1.14474
3618.53	-103.021	3.14959	0.17985	0.05471	0.31884	0.09373	3.12636
3671.26	-103.137	0.65013	0.11659	0.20939	0.18745	0.24511	0.51962
3724.73	-103.268	0.85638	0.45459	0.12092	0.16059	0.2855	0.63625
3778.93	-103.389	1.30048	0.51851	0.23002	0.00932	0.12286	1.16375
3833.86	-103.517	1.15205	0.57869	0.31201	0.34285	0.22265	0.85315
3889.53	-103.64	0.86575	0.28929	0.17206	0.28278	0.1941	0.72014
3945.92	-103.765	1.03213	0.4215	0.18331	0.09797	0.20484	0.89581
4003.42	-103.834	1.11723	0.44179	0.36501	0.05103	0.31917	0.90295
4061.65	-103.976	1.09811	0.27653	0.04867	0.45105	0.3686	0.88752
4120.61	-104.116	2.33822	0.26471	0.20688	0.16294	0.16767	2.30212
4180.66	-104.218	3.86166	0.37111	0.08151	0.21243	0.02954	3.83693
4241.46	-104.357	1.11241	0.40953	0.42143	0.26162	0.27661	0.86439
4302.98	-104.471	0.83981	0.40576	0.35877	0.23064	0.15307	0.57905
4365.6	-104.589	1.05828	0.18347	0.42003	0.10935	0.53193	0.78419
4428.96	-104.77	0.87668	0.32461	0.16832	0.13762	0.47724	0.62303
4493.41	-104.84	0.73105	0.24972	0.14927	0.26231	0.16553	0.59463
4558.59	-104.981	0.9884	0.34538	0.18063	0.19531	0.45049	0.76415

4624.88	-105.105	0.99591	0.31324	0.22728	0.20894	0.18281	0.87463
4692.26	-105.241	0.94784	0.19964	0.36406	0.06549	0.51897	0.6726
4760.38	-105.335	1.16679	0.21106	0.05725	0.11789	0.4743	1.03668
4829.59	-105.493	0.98955	0.43596	0.10504	0.09543	0.53136	0.69763
4899.9	-105.606	0.90169	0.20399	0.35724	0.31605	0.31914	0.66488
4971.31	-105.714	0.88227	0.50351	0.25048	0.46909	0.11328	0.47881
5043.46	-105.847	1.01161	0.14865	0.24749	0.39464	0.43058	0.77386
5116.7	-105.984	1.99124	0.25113	0.30305	0.25692	1.92503	0.19584
5191.04	-106.119	1.13787	0.24181	0.183	0.31258	0.9617	0.42454
5266.48	-106.229	2.06798	0.25694	0.06011	0.18927	1.74796	1.05628
5343.02	-106.335	1.0922	0.44239	0.39394	0.66174	0.50776	0.38249
5420.65	-106.492	0.8583	0.3539	0.41398	0.46144	0.43242	0.20038
5499.39	-106.606	0.82424	0.24378	0.20492	0.38292	0.2598	0.60318
5579.22	-106.751	1.00847	0.45788	0.30752	0.46316	0.34892	0.61361
5660.52	-106.9	0.97534	0.22851	0.19003	0.52878	0.44154	0.62321
5742.92	-106.997	1.21369	0.41756	0.31728	0.26521	0.45323	0.96034
5826.42	-107.121	0.99941	0.33277	0.19607	0.16874	0.44732	0.78809
5911.01	-107.225	1.31637	0.49718	0.36767	0.75667	0.30213	0.82862
5997.07	-107.292	1.81261	0.25881	0.32937	0.94817	0.46598	1.41206
6084.23	-107.486	1.97901	0.28082	0.39779	1.71766	0.81084	0.26756
6172.85	-107.608	2.06308	0.38734	0.21439	1.88957	0.43402	0.54903
6262.57	-107.742	1.75947	0.636	0.69779	1.25781	0.71271	0.33804
6353.76	-107.875	1.66236	0.43733	0.15927	0.80742	0.64261	1.21734
6446.04	-107.974	1.31265	0.7533	0.27104	0.85547	0.05497	0.58931
6539.79	-108.155	1.186	0.31687	0.30068	0.51645	0.50637	0.83226
6635.01	-108.271	1.63032	0.34344	0.3566	0.81287	1.19232	0.57485
6731.69	-108.399	1.54409	0.20436	0.42836	0.85474	0.77353	0.91106
6829.47	-108.512	1.08123	0.55822	0.49007	0.43607	0.35232	0.55044
6928.71	-108.678	1.08985	0.83206	0.24228	0.24984	0.56617	0.2319
7029.42	-108.81	1.22995	0.46994	0.81876	0.6043	0.41147	0.29507
7131.59	-108.927	1.30481	0.22829	0.7508	0.77573	0.25603	0.64762
7235.23	-109.041	0.99593	0.59966	0.30734	0.59215	0.12375	0.41459
7340.33	-109.137	1.3126	0.38767	0.29503	0.56484	1.04995	0.25324
7447.27	-109.324	1.5007	0.09494	0.81091	0.31804	0.94398	0.77025
7555.66	-109.421	1.26624	0.76767	0.61544	0.64248	0.419	0.21661
7665.53	-109.566	1.36558	0.21361	0.56059	0.52086	1.02938	0.41712
7776.86	-109.66	1.74049	0.80187	1.39001	0.40618	0.08956	0.53026
7890.01	-109.824	1.20617	0.22908	0.48153	0.26385	0.85231	0.61192
8004.64	-109.863	1.39823	0.74137	0.43955	0.92442	0.59805	
8121.09	-110.056	1.60638	0.81246	1.24176	0.333	0.51723	
8239.38	-110.225	3.28977	0.96979	3.11404	0.38112	0.19898	
8359.13	-110.361	6.68901	0.25779	6.58323	0.70967	0.91318	
8480.71	-110.452	1.58586	0.872	0.77243	0.64111	0.86423	
8604.13	-110.569	1.57775	0.46721	0.8227	1.18597	0.43319	
8729.37	-110.673	1.51847	0.68753	0.36655	1.26416	0.31718	
8856.45	-110.833	1.37172	0.28467	0.79591	0.72527	0.80067	
8985.35	-111	1.21443	0.23334	0.98175	0.50141	0.45294	

9116.09	-111.113	1.92256	0.576	0.17772	1.39501	1.17763
9248.66	-111.277	1.53536	0.81877	0.87756	0.69427	0.65939
9383.06	-111.396	1.0686	0.49683	0.57765	0.56479	0.49233
9519.65	-111.543	2.51742	0.93303	0.84012	0.03307	2.18173
9658.08	-111.654	1.66438	0.72211	1.43192	0.44533	
9798.71	-111.82	1.16894	0.57492	0.04641	1.01673	
9941.16	-111.962	1.21433	1.05268	0.32102	0.51324	
10085.82	-112.119	2.73372	1.12574	1.15215	2.20873	
10232.67	-112.224	1.69593	0.60926	0.34888	1.54378	
10381.35	-112.36	1.01661	0.51908	0.68978	0.5369	
10532.23	-112.526	1.94631	1.82775	0.40815	0.52994	
10685.3	-112.635	1.90661	0.87175	1.68371	0.20084	
10840.58	-112.747	1.37858	1.11184	0.72354	0.37524	
10998.41	-112.871	1.51514	1.22395	0.49492	0.74342	
11158.45	-113.069	1.70444	0.34453	1.58527	0.52282	
11320.68	-113.175	1.68295	0.78245	1.48004	0.17199	
11485.47	-113.175	1.37506	0.52687	1.10306	0.62964	
11652.47	-113.382	2.49492	0.69262	0.83977	2.24492	
11822.02	-113.567	1.88309	1.73447	0.72667	0.09789	
11994.14	-113.619	0.9499	0.44968	0.56876	0.61369	
12168.46	-113.762	2.5316	2.32362	1.00488		
12345.34	-113.868	3.19364	3.0468	0.95727		
12524.78	-114.021	6.55736	6.5269	0.63132		
12706.79	-114.187	1.4274	1.02361	0.99483		
12891.72	-114.3	3.99096	3.36282	2.14922		
13079.22	-114.45	1.08861	1.08493	0.08947		
13269.29	-114.614	2.20719	0.82723	2.0463		
13462.28	-114.737	1.28386	0.86088	0.95246		
13658.2	-114.774	1.82002	1.45447	1.09407		
13856.69	-114.943	1.59963	0.64558	1.46357		
14058.11	-115.119	1.12032	0.69525	0.87849		
14262.45	-115.36	1.68589	0.5086	1.60734		
14469.73	-115.363	1.28441	1.16601	0.53865		
14680.3	-115.463	1.94171	1.38383	1.36208		
14893.8	-115.68	1.03462	0.91601	0.48102		
15110.6	-115.811	1.60905	0.53914	1.51604		
15330.32	-115.867	1.21319	0.47147	1.11783		
15553.34	-115.978	2.07194	1.13677	1.73225		
15779.66	-116.036	1.90217	1.16146	1.50641		
16009.28	-116.163	1.50838	1.50838			
16242.19	-116.478	1.46131	1.46131			
16478.39	-116.705	2.30365	2.30365			
16717.89	-116.745	1.93033	1.93032			
16961.06	-116.65	0.65314	0.65314			
17207.89	-117.026	0.49166	0.49166			
17458.01	-117.11	1.55246	1.55246			
17711.79	-117.376	0.83202	0.83202			

17969.24	-117.566	2.15841	2.15841
18230.71	-117.679	1.19117	1.19117
18495.85	-117.896	2.11672	2.11671
18765.02	-117.941	2.25637	2.25637
19037.84	-117.872	0.67696	0.67696
19314.7	-118.284	2.00362	2.00362
19595.58	-118.193	0.94179	0.94179
19880.49	-118.377	1.91767	1.91767
20169.8	-118.608	0.94893	0.94893
20463.13	-118.757	2.83464	2.83464
20760.86	-118.729	2.82271	2.82271
21062.99	-118.842	2.05773	2.05773
21369.51	-119.288	2.0964	2.0964
21680.42	-119.571	2.66009	2.66009
21995.73	-120.45	0.75633	0.75633
22315.8	-121.546	1.75341	1.75341
22640.26	-124.136	1.40304	1.40304
22969.48	-127.154	1.64002	1.64001
23303.47	-130.874	6.68892	6.68892
23642.58	-137.496	46.60854	46.60854
23986.45	-145.789	35.95413	35.95413
24335.45	-157.077		
24689.57	-152.21		
25048.83	-142.962		

