



21.61	-81.2926	9.31181	3.75638	5.88343	0.54456	1.86821	5.84791
21.97	-81.2959	7.54491	3.12226	5.70029	0.37318	1.40315	3.54623
22.34	-81.2029	7.90856	2.59987	5.68963	0.44368	1.00817	4.71178
22.71	-81.0853	10.16658	4.90274	5.16465	0.59733	1.52111	7.06952
23.07	-81.099	12.17348	9.79974	5.44941	0.54497	1.25658	4.53729
23.44	-81.0755	13.24686	11.62612	5.68921	2.33606	0.87572	1.3121
23.8	-81.1507	11.1281	9.92617	4.16543	2.51679	0.70668	1.05904
24.17	-81.2499	11.33923	8.30172	5.1228	4.55104	2.37608	2.65688
24.54	-81.0212	12.95719	9.93421	3.27706	4.32607	0.36699	6.29378
24.9	-81.2508	18.64937	13.85336	6.37342	5.0874	2.57243	9.09746
25.27	-81.0414	14.9043	11.42405	3.0795	5.45622	1.19823	7.13722
25.63	-81.2143	11.65622	8.33735	4.59317	4.76106	2.12307	4.2525
26	-81.08	10.52802	9.04252	3.58069	2.80858	0.5996	2.82894
26.37	-81.1065	10.79376	9.72964	3.98779	1.3537	1.40074	1.46364
26.73	-81.1883	11.8329	10.26247	5.40608	1.44244	1.66079	0.7967
27.1	-81.0015	8.65855	6.27848	5.1387	0.98398	0.80182	2.7448
27.47	-81.0622	8.82874	5.13714	4.65332	0.57954	1.36658	5.26305
27.83	-81.0644	10.52558	6.77633	5.0231	0.05615	1.10389	6.19804
28.2	-81.045	9.16024	6.16164	4.89074	0.45021	0.72271	4.61519
28.56	-81.2847	6.3157	2.45852	4.61729	0.6243	2.50651	2.4191
28.93	-81.2638	6.96016	4.23476	4.85065	0.87538	2.29725	0.9686
29.3	-81.2304	7.26654	4.05199	4.69673	0.32103	3.70787	0.68801
29.66	-81.0047	7.4947	3.21517	4.48672	0.60868	5.01634	0.41051
30.03	-80.2184	6.59986	0.89324	3.88021	0.34439	5.21339	0.63738
30.4	-80.2338	7.15721	1.372	3.45759	0.40765	5.85972	1.69878
30.76	-80.2614	7.04567	1.89702	4.24578	0.09924	3.58913	3.88901
31.13	-80.3077	8.36034	1.14454	4.96556	0.26602	3.60567	5.55489
31.49	-80.227	6.00691	1.56867	1.37681	0.88242	1.29361	5.4106
31.86	-80.2728	6.79029	1.34304	5.35501	0.77107	1.20309	3.68594
32.23	-80.2794	6.78251	1.40752	6.29053	0.79686	0.65482	1.84033
32.59	-80.1746	3.14506	0.7564	2.80182	0.46452	1.02238	0.45606
32.96	-80.16	4.93684	1.95141	4.04251	1.57252	0.82888	1.0308
33.33	-80.0962	6.58396	1.40474	6.10917	1.61208	0.69146	0.98812
33.69	-80.1428	3.25905	1.06326	2.88392	0.39135	0.85986	0.53044
34.06	-80.0688	1.35876	0.52004	0.86658	0.39761	0.69408	0.43008
34.42	-79.9219	5.67058	0.93782	5.23006	1.27736	0.71434	1.33438
34.79	-80.0137	5.13272	0.82521	4.31997	0.67138	0.74757	2.44788
35.16	-79.1045	5.04524	1.08461	3.32821	0.43817	0.5793	3.55998
35.52	-79.0615	6.84722	0.4741	4.84961	0.42518	0.7799	4.72778
35.89	-79.0097	6.42436	0.92408	3.85626	1.29428	0.46894	4.8634
36.25	-78.9804	5.93272	1.25681	3.51885	2.66079	0.61027	3.71254
36.62	-78.9637	5.3934	1.17873	3.33672	3.35246	0.76067	2.17902
36.99	-78.9439	5.56734	1.26981	3.10957	4.30787	0.60126	0.89117
37.35	-78.9574	5.70534	0.94967	3.24129	4.51458	0.78453	0.38218
37.72	-78.8796	5.73608	1.24536	3.19285	4.50393	0.84668	0.39381
38.09	-78.8516	5.37384	1.22708	3.06846	4.13639	0.71139	0.58411
38.82	-78.9065	4.42393	1.23234	3.0605	2.72051	0.3088	1.09056

39.55	-78.9254	3.5868	1.39068	2.98815	1.20447	0.34847	0.65562
40.28	-78.2331	3.33103	1.28199	2.84123	0.08239	0.30298	1.13185
41.02	-78.2696	4.48932	0.98907	2.85602	0.23713	1.00609	3.15442
41.75	-78.3785	5.25066	0.99128	2.32282	0.35013	0.60512	4.55
42.48	-78.1529	4.16782	0.95914	2.83406	0.35055	0.51869	2.83319
43.21	-78.1309	2.81265	0.93611	2.33297	0.03788	0.54209	1.13872
43.95	-78.5174	3.05483	1.06193	2.65144	0.10543	0.4822	0.96465
44.68	-78.7847	2.75062	0.74644	2.40506	0.04793	0.56329	0.9512
45.41	-77.8738	2.81669	0.79611	2.52554	0.02284	0.52926	0.80059
46.14	-77.4276	2.47954	1.33711	2.03867	0.07264	0.43652	0.09083
46.88	-77.6663	3.70167	2.2819	2.87028	0.05731	0.49849	0.07098
47.61	-77.4403	2.26581	1.5029	1.62608	0.10217	0.46335	0.07681
48.34	-77.6345	5.89798	3.5623	4.51238	0.23506	1.29171	0.1043
49.07	-77.4899	4.8349	2.43733	3.04572	0.50713	2.75728	0.54717
49.8	-77.7255	8.61117	4.31251	5.77	0.63201	4.46437	1.38986
50.54	-77.2872	7.11856	2.6398	5.74331	0.58729	3.00353	1.16346
51.27	-77.9901	4.05968	2.88897	1.30163	0.35458	2.48827	0.3513
52	-77.1862	3.02498	2.54816	1.57766	0.27361	0.29711	0.07238
52.73	-77.9333	2.86037	2.16286	1.81263	0.01643	0.45373	0.10957
53.47	-78.4364	2.61508	1.31338	2.23583	0.0653	0.32565	0.06662
54.2	-78.0499	2.23605	0.92874	1.98311	0.02307	0.3711	0.25771
54.93	-77.583	2.13578	1.03719	1.67184	0.08971	0.25844	0.78482
55.66	-77.3799	2.19406	0.9105	1.8372	0.02513	0.29403	0.72286
56.4	-77.3107	2.05878	0.59266	1.69741	0.04028	0.2698	0.96524
57.13	-77.8767	2.09761	1.01853	1.73249	0.03194	0.29754	0.52108
57.86	-77.8105	2.10389	0.88426	1.70686	0.06981	0.28692	0.80241
58.59	-77.6604	2.06317	0.7324	1.63906	0.06572	0.24996	0.98334
59.33	-77.8989	1.95155	0.78519	1.60149	0.09073	0.32198	0.71788
60.06	-77.4123	1.83611	0.66777	1.63482	0.44108	0.15903	0.18137
60.79	-77.4231	2.46209	0.77649	1.59411	1.53888	0.24887	0.69835
61.52	-77.5191	3.49317	0.74242	1.48257	2.98609	0.22737	0.69618
62.26	-77.5977	4.43191	0.82378	1.50488	4.07849	0.20557	0.14893
62.99	-77.6477	4.33073	0.82892	1.54291	3.95237	0.18618	0.17792
64.09	-77.7188	2.85329	0.73862	1.62355	1.99729	0.1832	0.96804
65.19	-77.3723	2.08858	0.51514	1.84523	0.39424	0.22843	0.69594
66.28	-77.4456	1.62253	1.06393	1.18231	0.20237	0.24175	0.05832
67.38	-77.5816	1.9023	1.27566	1.36874	0.23731	0.22677	0.1013
68.48	-77.6764	1.40097	0.40664	0.96994	0.12138	0.44724	0.80114
69.58	-77.7687	1.96446	1.02736	1.44686	0.03414	0.73452	0.41174
70.68	-77.4431	1.77976	0.74569	1.31434	0.01087	0.93838	0.05788
71.78	-77.5481	2.78125	2.45641	1.2366	0.03866	0.16994	0.37661
72.88	-77.6343	2.75283	2.42127	1.25979	0.0537	0.13009	0.32966
73.97	-77.7068	4.05458	3.82434	1.26154	0.11133	0.08678	0.45013
75.07	-77.4376	3.77434	3.43069	1.1405	0.07595	0.15979	1.06957
76.17	-77.5188	4.5056	4.35337	1.06355	0.05722	0.18495	0.42435
77.27	-77.5966	3.07547	2.84572	1.10407	0.02631	0.12985	0.35194
78.37	-77.6936	1.84682	1.24912	1.07645	0.0277	0.13485	0.82021

79.47	-77.78	1.73399	1.39696	0.89723	0.03552	0.16006	0.47258
80.57	-77.5268	2.12473	0.85746	1.91439	0.06648	0.17874	0.27929
81.67	-77.6232	3.51992	0.49587	3.44654	0.02593	0.17067	0.4853
82.76	-77.6891	4.07519	0.621	4.01837	0.0259	0.17036	0.21112
83.86	-77.7965	4.41368	0.86368	4.31714	0.03049	0.17084	0.25845
84.96	-77.8484	2.02901	0.69968	1.86886	0.12863	0.07322	0.33585
86.06	-77.6394	1.74924	0.60735	1.55444	0.47354	0.11192	0.19474
87.16	-77.7417	1.43195	0.69128	0.81508	0.94256	0.11361	0.08319
88.26	-77.8337	1.44214	0.75178	0.87426	0.82848	0.25083	0.03098
89.72	-77.8994	1.45954	0.59123	0.82447	0.2367	1.0196	0.07297
91.19	-77.8055	1.39072	0.67098	0.85843	0.00936	0.47413	0.72256
92.65	-77.7998	1.2425	0.52803	0.83822	0.02729	0.10012	0.74269
94.12	-78.1415	1.20472	0.77837	0.79719	0.01882	0.08045	0.45072
95.58	-77.6772	1.01285	0.52539	0.83184	0.05005	0.09038	0.21723
97.05	-78.1655	1.41121	1.15341	0.80646	0.03725	0.08918	0.03801
98.51	-77.7618	1.05949	0.77997	0.69951	0.14206	0.05993	0.03297
99.98	-78.468	1.75676	1.49681	0.90009	0.16644	0.08138	0.03566
101.44	-77.7058	1.16168	0.88477	0.73413	0.1342	0.08599	0.04839
102.91	-78.3456	0.91386	0.7203	0.55741	0.04758	0.05233	0.02449
104.37	-78.0343	0.82988	0.44351	0.67552	0.02079	0.06369	0.17659
105.83	-78.0636	0.8976	0.4483	0.66515	0.04485	0.06364	0.39525
107.3	-78.1849	1.09017	0.7002	0.67211	0.02812	0.07155	0.49046
108.76	-78.2923	1.1109	0.53875	0.63227	0.03999	0.49295	0.54725
110.23	-78.1726	1.2521	0.58923	0.59589	0.16722	0.91354	0.0544
111.69	-78.2384	1.23694	0.50938	0.63295	0.90987	0.20235	0.03325
113.16	-78.3753	1.35081	0.65044	0.64185	0.99007	0.05973	0.0763
114.62	-78.4788	0.79694	0.61314	0.39237	0.28822	0.05711	0.1374
116.46	-78.3792	1.12958	0.46635	1.00917	0.00893	0.07054	0.18708
118.29	-78.5188	1.05082	0.56591	0.86104	0.02942	0.04677	0.19884
120.12	-78.4079	0.76628	0.43706	0.62337	0.02282	0.0572	0.06146
121.95	-78.5319	2.87644	2.80745	0.52859	0.02216	0.0639	0.32888
123.78	-78.6697	4.48412	4.45155	0.51278	0.04576	0.05016	0.15333
125.61	-78.5595	4.47441	4.43071	0.53504	0.0579	0.04666	0.31205
127.44	-78.7225	3.5591	3.5223	0.48341	0.04436	0.03341	0.15425
129.27	-78.877	1.42524	1.23055	0.4669	0.01244	0.54584	0.03116
131.1	-78.721	0.93152	0.70642	0.44097	0.02697	0.35872	0.21176
132.93	-78.9004	0.66058	0.50145	0.42666	0.02832	0.03083	0.0336
134.77	-79.0587	0.76296	0.57868	0.44167	0.10758	0.0532	0.19435
136.6	-78.9778	1.06614	0.52436	0.4195	0.81924	0.03629	0.11515
138.43	-79.0692	1.00058	0.52658	0.39897	0.74306	0.03167	0.1075
140.26	-79.0272	0.66743	0.51501	0.39527	0.0634	0.04973	0.13229
142.46	-79.2897	0.70394	0.52478	0.38197	0.01858	0.03259	0.26988
144.65	-79.5082	0.63713	0.51996	0.34952	0.01941	0.02552	0.11126
146.85	-79.4451	0.5701	0.56697	0.04769	0.0133	0.01643	0.02887
149.05	-79.3923	1.49793	0.55511	1.35657	0.02031	0.28569	0.11544
151.25	-78.9253	0.71155	0.41894	0.54273	0.02061	0.18302	0.0481
153.44	-79.8258	0.6241	0.51938	0.34415	0.00495	0.02496	0.02575

155.64	-79.2828	0.61059	0.51292	0.31617	0.00371	0.02459	0.09569
157.84	-79.681	0.65068	0.50041	0.33299	0.01743	0.03516	0.24608
160.03	-79.6284	0.58381	0.49271	0.29428	0.08216	0.02724	0.06305
162.23	-79.7017	0.95682	0.52864	0.27184	0.74847	0.02249	0.03785
164.43	-79.8499	0.66214	0.48686	0.30184	0.25182	0.01764	0.21577
166.99	-79.8722	0.53113	0.45548	0.26915	0.02173	0.01486	0.03874
169.56	-80.0047	0.75791	0.58649	0.24511	0.008	0.40252	0.0911
172.12	-80.019	1.19866	1.16729	0.24866	0.01322	0.06435	0.08983
174.68	-80.1657	1.61975	1.58819	0.23649	0.02578	0.03537	0.20829
177.25	-80.1659	1.31849	1.29437	0.2415	0.01735	0.02164	0.06268
179.81	-80.3268	0.48334	0.45146	0.1669	0.01546	0.00754	0.04062
182.37	-80.3396	1.11379	0.46966	1.00671	0.05615	0.02481	0.05217
184.94	-80.5062	0.72975	0.43339	0.57944	0.05753	0.02421	0.07112
187.5	-80.577	0.71659	0.50521	0.16661	0.47805	0.02774	0.03463
190.06	-80.5741	0.65252	0.50675	0.2204	0.06417	0.33875	0.03925
192.99	-80.7505	0.59255	0.53658	0.18121	0.01375	0.01261	0.17323
195.92	-80.8316	0.50299	0.46466	0.18671	0.01891	0.00808	0.04247
198.85	-81.0012	0.41687	0.37574	0.17472	0.0267	0.01264	0.03464
201.78	-81.0159	0.36838	0.32346	0.17283	0.01599	0.01362	0.02764
204.71	-81.1641	0.42541	0.37819	0.18024	0.01069	0.00846	0.07264
207.64	-81.1519	0.50959	0.45575	0.15763	0.01298	0.02549	0.16219
210.57	-81.1882	0.57922	0.45877	0.16175	0.14623	0.27764	0.01995
213.5	-81.2284	0.66662	0.4321	0.25435	0.43496	0.04128	0.04567
216.43	-81.2661	0.983	0.45734	0.86811	0.02023	0.00463	0.05555
219.73	-81.439	0.67167	0.59016	0.31828	0.00602	0.01402	0.03616
223.02	-81.4987	0.69792	0.6862	0.11749	0.0133	0.00066	0.04728
226.32	-81.6439	1.2533	1.24537	0.12006	0.00795	0.02076	0.07009
229.61	-81.8141	0.29021	0.16311	0.11305	0.00183	0.20895	0.03427
232.91	-81.8564	0.49321	0.47599	0.12301	0.00595	0.01245	0.03696
236.21	-81.912	0.50934	0.44288	0.11326	0.20328	0.02224	0.09295
239.5	-82.025	0.49504	0.45325	0.1113	0.1524	0.01601	0.06134
243.16	-82.1417	0.50482	0.4911	0.10301	0.01176	0.02357	0.04859
246.83	-82.6546	0.52785	0.48859	0.19176	0.02784	0.02294	0.04282
250.49	-81.7736	0.84756	0.49229	0.65713	0.02071	0.18331	0.10078
254.15	-82.1506	0.42667	0.41186	0.10761	0.01063	0.01584	0.02192
257.81	-82.7273	0.49266	0.47454	0.0869	0.00366	0.02562	0.09643
261.47	-82.5099	0.48451	0.42374	0.09655	0.20778	0.0144	0.04993
265.14	-82.5479	0.43386	0.41006	0.10828	0.05751	0.01981	0.06823
269.17	-82.733	0.51337	0.48724	0.09167	0.01774	0.12097	0.05287
273.19	-82.9158	0.7073	0.70229	0.06894	0.01287	0.00728	0.04559
277.22	-82.8809	1.39362	1.39052	0.07581	0.02757	0.01714	0.04262
281.25	-82.9629	0.55781	0.48484	0.26877	0.0155	0.03191	0.05085
285.28	-83.052	0.59701	0.42727	0.41122	0.05502	0.00409	0.04141
289.31	-83.2157	0.45312	0.41779	0.07273	0.13577	0.07678	0.03388
293.33	-83.2955	0.40268	0.38658	0.09004	0.01261	0.00507	0.06644
297.73	-83.393	0.39606	0.38724	0.06952	0.01221	0.03217	0.02988
302.12	-83.4831	0.48934	0.4747	0.11084	0.01248	0.02143	0.03488

306.52	-83.573	0.4833	0.47069	0.08045	0.00859	0.02442	0.06993
310.91	-83.6646	0.4626	0.43408	0.06483	0.09762	0.10454	0.03017
315.31	-83.7558	0.57936	0.44416	0.36565	0.04767	0.01457	0.04688
320.07	-83.8602	0.54281	0.52168	0.13629	0.02975	0.02308	0.05
324.83	-84.0478	0.79898	0.7918	0.0705	0.00383	0.00873	0.07981
329.59	-84.148	0.66598	0.65122	0.03622	0.00879	0.12785	0.04138
334.35	-84.2434	0.4219	0.41774	0.02916	0.03129	0.00562	0.04045
339.11	-84.3336	0.44134	0.42987	0.04758	0.07565	0.02575	0.03671
343.87	-84.4838	0.45131	0.44733	0.03397	0.00961	0.0166	0.04536
349	-84.3727	0.55463	0.40834	0.36068	0.01374	0.09235	0.04538
354.13	-84.7917	0.42218	0.41697	0.02326	0.04155	0.0213	0.04057
359.25	-84.7507	0.41224	0.4077	0.03855	0.00825	0.00461	0.04632
364.38	-84.8755	0.45707	0.44585	0.06384	0.05522	0.03008	0.04588
369.51	-84.9866	0.4647	0.45655	0.02206	0.02392	0.06484	0.0474
375	-85.0251	0.4388	0.42999	0.05405	0.01452	0.02121	0.0638
380.49	-85.1412	0.49566	0.47953	0.12015	0.00922	0.02371	0.02544
385.99	-85.2595	0.45573	0.42693	0.11131	0.10002	0.00935	0.05415
391.48	-85.3682	0.40951	0.39681	0.04946	0.02263	0.03359	0.07845
397.34	-85.5009	0.41145	0.40584	0.02802	0.02744	0.00988	0.05431
403.2	-85.6181	0.41866	0.40983	0.03978	0.01361	0.02692	0.06945
409.06	-85.7461	0.42515	0.41577	0.02506	0.02048	0.0716	0.04143
414.92	-85.863	0.43847	0.37642	0.21737	0.02212	0.01851	0.04982
420.78	-85.9153	0.7178	0.71516	0.01898	0.00533	0.00881	0.05763
427	-86.0494	0.55413	0.54766	0.0586	0.02566	0.01999	0.05132
433.23	-86.1846	0.42075	0.41384	0.04076	0.01036	0.02778	0.05681
439.45	-86.2024	0.37996	0.37189	0.04385	0.0159	0.01831	0.05966
445.68	-86.1715	0.37506	0.3713	0.03317	0.02327	0.02207	0.0261
452.27	-86.6179	0.44271	0.43552	0.05839	0.01548	0.02302	0.04623
458.86	-86.597	0.40019	0.39418	0.03041	0.02879	0.02675	0.04802
465.45	-86.638	0.40714	0.40272	0.01511	0.01615	0.01455	0.05364
472.05	-86.766	0.30954	0.3038	0.03826	0.01039	0.00787	0.04344
479	-86.9087	0.56415	0.56013	0.04394	0.00929	0.02062	0.04559
485.96	-86.9816	0.41814	0.39422	0.06682	0.10798	0.02332	0.05258
492.92	-87.1146	0.38733	0.379	0.01305	0.0106	0.01314	0.07701
500.24	-87.2125	0.42731	0.42232	0.01725	0.01443	0.03927	0.04682
507.57	-87.3491	0.42759	0.42028	0.03332	0.03205	0.01587	0.06171
514.89	-87.4923	0.42968	0.39511	0.14648	0.03227	0.02542	0.07328
522.22	-87.5786	0.39194	0.38756	0.02795	0.01839	0.0263	0.04003
529.91	-87.7314	0.43896	0.43315	0.00955	0.03535	0.03172	0.05209
537.6	-87.831	0.42156	0.40785	0.01668	0.08038	0.01891	0.0654
545.29	-88.089	0.43766	0.43212	0.02384	0.03141	0.0222	0.05262
553.34	-88.0962	0.41886	0.41226	0.02433	0.0184	0.01376	0.06606
561.4	-88.1829	0.41666	0.40536	0.01664	0.05651	0.01894	0.07388
569.46	-88.3078	0.33381	0.32067	0.01358	0.01059	0.0438	0.0799
577.88	-88.4023	0.49037	0.48275	0.02414	0.02767	0.04495	0.06359
586.3	-88.5077	0.43258	0.40718	0.04495	0.1114	0.05115	0.06546
594.73	-88.6467	0.38157	0.37542	0.00596	0.02018	0.01668	0.06272

603.52	-88.7561	0.4512	0.44336	0.00167	0.03791	0.01382	0.0734
612.3	-88.8657	0.41927	0.41102	0.03002	0.06711	0.0085	0.03699
621.09	-88.9708	0.45651	0.45319	0.00824	0.0177	0.01066	0.05022
630.25	-89.0826	0.41686	0.40539	0.03105	0.01697	0.03931	0.08145
639.4	-89.2625	0.40534	0.39216	0.02341	0.04589	0.00965	0.0881
648.56	-89.5291	0.44372	0.40822	0.12486	0.00867	0.02454	0.11823
658.08	-89.5139	0.396	0.38379	0.04318	0.01405	0.03502	0.07897
667.6	-89.5834	0.43428	0.42129	0.02935	0.05301	0.04405	0.07416
677.49	-89.6955	0.61475	0.60737	0.00976	0.03661	0.01232	0.08623
687.38	-89.8161	0.42736	0.40658	0.0081	0.08623	0.01987	0.09714
697.27	-89.9366	0.38725	0.38029	0.02337	0.03128	0.01043	0.06092
707.52	-90.0585	0.41611	0.39228	0.03769	0.01792	0.01988	0.13087
717.77	-90.1741	0.40924	0.37537	0.10602	0.07648	0.02828	0.0932
728.39	-90.3054	0.30687	0.2787	0.02982	0.04924	0.01063	0.1143
739.01	-90.4221	0.3778	0.37068	0.01783	0.01985	0.02016	0.06486
749.63	-90.5017	0.46539	0.4097	0.14965	0.06205	0.06217	0.13646
760.62	-90.6397	0.43602	0.42392	0.03188	0.04387	0.0367	0.07821
771.61	-90.7655	0.40558	0.38277	0.01646	0.04106	0.02986	0.12304
782.96	-90.9027	0.36351	0.33469	0.08603	0.01854	0.01344	0.11041
794.31	-91.0368	0.38348	0.36875	0.05945	0.03543	0.02775	0.07433
806.03	-91.1536	0.38387	0.36362	0.03128	0.03257	0.03693	0.10834
817.75	-91.2936	0.39553	0.37659	0.05297	0.04299	0.03081	0.09498
829.47	-91.418	0.43627	0.4107	0.04888	0.04354	0.10247	0.08293
841.55	-91.5119	0.40808	0.37979	0.05234	0.00803	0.01309	0.13898
853.64	-91.5182	0.40929	0.38794	0.0399	0.05357	0.02386	0.10948
866.09	-91.7429	0.3407	0.31669	0.02294	0.01505	0.0124	0.12199
878.54	-91.8764	0.34196	0.32321	0.04748	0.04931	0.04396	0.07653
891.36	-91.9835	0.44105	0.42154	0.03975	0.01663	0.05428	0.10966
904.17	-92.1171	0.41466	0.3928	0.03356	0.02196	0.03815	0.12078
917.36	-92.2313	0.42212	0.39684	0.09314	0.03088	0.01734	0.1038
930.54	-92.3424	0.42088	0.37465	0.05222	0.06644	0.05615	0.16273
944.09	-92.4296	0.43883	0.41759	0.01076	0.03006	0.02878	0.12783
957.64	-92.6159	0.40185	0.38186	0.01264	0.03604	0.03357	0.11437
971.56	-92.7123	0.39299	0.37259	0.02628	0.05778	0.06416	0.08647
985.84	-92.832	0.44036	0.41815	0.05149	0.05161	0.0215	0.11529
1000.12	-92.9451	0.41969	0.38474	0.03415	0.01857	0.0984	0.13009
1014.77	-93.0967	0.40825	0.37979	0.04811	0.00916	0.02414	0.13946
1029.42	-93.2141	0.40727	0.35106	0.01661	0.04317	0.04419	0.19632
1044.43	-93.3284	0.46913	0.43606	0.01554	0.00917	0.01756	0.17117
1059.45	-93.4474	0.36463	0.34384	0.03216	0.05629	0.0193	0.10077
1074.83	-93.5757	0.4607	0.40755	0.02357	0.05549	0.01111	0.20588
1090.58	-93.6892	0.41777	0.37388	0.04468	0.00498	0.08427	0.16006
1106.32	-93.8159	0.43456	0.38395	0.05744	0.05893	0.02637	0.18427
1122.44	-93.9339	0.44717	0.40229	0.07027	0.01734	0.09398	0.15508
1138.92	-94.0607	0.44732	0.40644	0.01128	0.0463	0.01942	0.1796
1155.4	-94.13	0.41135	0.38086	0.05255	0.03125	0.06699	0.12621
1172.24	-94.3066	0.50304	0.47644	0.05284	0.06146	0.01477	0.1388

1189.45	-94.444	0.46993	0.41963	0.04887	0.05245	0.0404	0.19485
1206.67	-94.5491	0.49871	0.45916	0.05976	0.02504	0.03861	0.17944
1224.24	-94.6931	0.30669	0.2472	0.08151	0.0037	0.04418	0.156
1242.19	-94.7943	0.43565	0.37393	0.0523	0.05392	0.04326	0.20605
1260.13	-94.9064	0.40894	0.34723	0.06772	0.03815	0.07632	0.18654
1278.44	-95.0547	0.44149	0.4004	0.03178	0.05181	0.05613	0.16657
1297.12	-95.1579	0.4366	0.39007	0.06661	0.0213	0.0484	0.17673
1316.16	-95.2787	0.46207	0.37671	0.13056	0.01118	0.13139	0.19279
1335.21	-95.3906	0.42913	0.37357	0.04961	0.05093	0.02149	0.19769
1354.61	-95.518	0.39338	0.34624	0.04429	0.01134	0.07593	0.16437
1374.39	-95.6686	0.60384	0.57318	0.05395	0.05338	0.04626	0.16792
1394.53	-95.7986	0.48262	0.40846	0.08274	0.07017	0.10312	0.20899
1414.67	-95.9053	0.43097	0.33915	0.10275	0.07691	0.01225	0.23257
1435.18	-96.0184	0.48671	0.4171	0.03489	0.03447	0.18724	0.15952
1456.05	-96.149	0.4391	0.39011	0.09537	0.0739	0.05704	0.15104
1477.29	-96.2845	0.5835	0.51884	0.05714	0.0779	0.04649	0.2445
1498.9	-96.3924	0.49821	0.43	0.04798	0.06516	0.16405	0.17278
1520.87	-96.5487	0.56125	0.49777	0.00308	0.0578	0.12145	0.22163
1542.85	-96.655	0.46652	0.36833	0.03025	0.09603	0.1211	0.2391
1565.19	-96.7934	0.46602	0.37786	0.02793	0.06888	0.1406	0.2216
1587.89	-96.927	0.45842	0.35641	0.06414	0.08093	0.10315	0.24864
1610.96	-97.0459	0.42555	0.32972	0.0202	0.0625	0.10847	0.23727
1634.4	-97.1814	0.59895	0.36302	0.04338	0.1463	0.16368	0.42058
1658.2	-97.2926	0.47987	0.43589	0.05376	0.03572	0.09819	0.1627
1682.37	-97.422	0.64831	0.51918	0.09802	0.0809	0.07974	0.35811
1706.91	-97.5416	0.56458	0.37634	0.07997	0.1074	0.10658	0.38447
1731.81	-97.6725	0.4713	0.35629	0.09733	0.03845	0.11079	0.26825
1757.08	-97.7875	0.41648	0.31835	0.09056	0.09932	0.0613	0.22423
1782.71	-97.9217	0.53661	0.44364	0.04754	0.11746	0.06113	0.26709
1808.72	-98.0401	0.56522	0.37973	0.12058	0.04078	0.07335	0.39205
1835.08	-98.159	0.65864	0.38557	0.04935	0.11285	0.14172	0.49989
1861.82	-98.2992	0.56869	0.38425	0.10389	0.10282	0.07232	0.38622
1888.92	-98.4215	0.56822	0.35011	0.05014	0.06845	0.15005	0.41301
1916.38	-98.5347	0.62077	0.42671	0.04517	0.18418	0.14067	0.38409
1944.21	-98.6491	0.60766	0.42245	0.27903	0.1532	0.03335	0.29724
1972.41	-98.7921	0.49422	0.315	0.05445	0.14435	0.07326	0.34038
2000.98	-98.8911	0.72056	0.5073	0.2199	0.08515	0.10722	0.4413
2029.91	-99.0573	0.62385	0.41312	0.04105	0.22909	0.05175	0.40209
2059.57	-99.1824	0.61738	0.44184	0.02543	0.13759	0.03953	0.40596
2089.6	-99.2913	0.5893	0.32197	0.30929	0.06466	0.06581	0.37341
2120	-99.4306	0.64797	0.35635	0.09692	0.13908	0.20846	0.46977
2150.76	-99.5666	0.60754	0.30132	0.04921	0.19274	0.05133	0.48591
2181.88	-99.615	0.58013	0.3723	0.11186	0.07641	0.13576	0.40146
2213.75	-99.8124	0.54063	0.33045	0.05106	0.19153	0.16192	0.34289
2245.97	-99.9627	0.55353	0.47081	0.10308	0.07231	0.02961	0.26077
2278.56	-100.066	0.81051	0.6051	0.16962	0.07204	0.16323	0.47977
2311.89	-100.194	0.58495	0.29706	0.03571	0.21721	0.30236	0.33771

2345.58	-100.291	0.7522	0.44096	0.12473	0.06295	0.16296	0.57033
2379.64	-100.442	0.80365	0.36811	0.06914	0.11133	0.20196	0.6726
2414.43	-100.566	0.63828	0.33522	0.11793	0.12294	0.17681	0.48451
2449.58	-100.72	0.62068	0.35559	0.08558	0.07122	0.16618	0.46774
2485.11	-100.804	0.83277	0.57837	0.17855	0.0644	0.0538	0.56574
2521.36	-100.929	0.76088	0.46119	0.19912	0.299	0.14017	0.46641
2557.98	-101.055	0.86338	0.41732	0.08565	0.07455	0.24459	0.70608
2595.34	-101.186	0.81669	0.51669	0.21537	0.08251	0.19057	0.55723
2633.06	-101.323	0.83043	0.4886	0.14678	0.19306	0.09799	0.61845
2671.51	-101.395	0.64417	0.42914	0.07823	0.03047	0.17049	0.44122
2710.33	-101.559	0.59226	0.42781	0.14447	0.08116	0.19393	0.32044
2749.88	-101.705	0.92784	0.57158	0.15141	0.103	0.32004	0.63104
2789.79	-101.82	0.78473	0.43654	0.24882	0.06542	0.34411	0.49055
2830.44	-101.942	0.67855	0.35976	0.17822	0.06393	0.13588	0.52601
2871.46	-102.041	0.78	0.45255	0.13133	0.22997	0.19357	0.54405
2913.21	-102.168	0.78889	0.33797	0.13975	0.06457	0.21715	0.66127
2955.69	-102.306	0.72413	0.39706	0.16625	0.04062	0.32489	0.48153
2998.54	-102.379	0.66596	0.13989	0.1643	0.23837	0.12137	0.57043
3042.11	-102.539	0.83497	0.39765	0.1013	0.30988	0.09051	0.65159
3086.43	-102.657	0.8221	0.60455	0.1607	0.20636	0.06398	0.48771
3131.47	-102.78	0.75426	0.46209	0.15415	0.24973	0.06784	0.51444
3176.88	-102.921	0.74256	0.20693	0.09059	0.17545	0.11621	0.67534
3223.02	-103.057	1.03779	0.51904	0.15055	0.22504	0.16978	0.83992
3269.9	-103.177	0.96572	0.71828	0.01915	0.18082	0.02927	0.61869
3317.5	-103.291	1.07751	0.48007	0.15191	0.03353	0.15533	0.93927
3365.84	-103.406	0.83086	0.31474	0.13771	0.21505	0.30062	0.66006
3414.92	-103.541	0.75245	0.37677	0.07787	0.24546	0.18152	0.57005
3464.72	-103.685	1.10979	0.63942	0.29678	0.25113	0.26349	0.77602
3515.26	-103.81	0.76171	0.2797	0.12818	0.25347	0.16018	0.629
3566.53	-103.934	0.78624	0.43635	0.10277	0.13048	0.11818	0.62147
3618.53	-104.057	1.03366	0.45507	0.10402	0.25615	0.14423	0.87415
3671.26	-104.187	1.0268	0.5231	0.03856	0.09996	0.32681	0.81388
3724.73	-104.306	0.88636	0.55522	0.14335	0.31335	0.07409	0.59426
3778.93	-104.44	1.08646	0.35672	0.42794	0.249	0.2236	0.87065
3833.86	-104.542	1.14054	0.44233	0.10746	0.11026	0.0686	1.03767
3889.53	-104.693	1.05803	0.43715	0.24406	0.38314	0.58334	0.6178
3945.92	-104.806	1.16377	0.41682	0.2192	0.35429	0.25312	0.97107
4003.42	-104.887	1.0104	0.51503	0.26008	0.37068	0.18344	0.71901
4061.65	-105.064	1.0805	0.49211	0.13168	0.20221	0.31407	0.87661
4120.61	-105.165	1.1185	0.2214	0.11762	0.34241	0.35062	0.97366
4180.66	-105.274	1.15157	0.44524	0.39205	0.51549	0.22122	0.81209
4241.46	-105.406	1.10425	0.28704	0.07837	0.1612	0.42574	0.96104
4302.98	-105.519	0.81034	0.36727	0.29184	0.19146	0.33415	0.53693
4365.6	-105.622	0.71961	0.37568	0.11394	0.19983	0.29044	0.48932
4428.96	-105.793	1.22585	0.43021	0.20471	0.36751	0.56958	0.90346
4493.41	-105.901	0.87785	0.34806	0.24226	0.03556	0.47667	0.60192
4558.59	-106.041	1.8708	0.38043	0.45183	0.84246	1.0938	1.11575

4624.88	-106.127	1.01929	0.49582	0.30239	0.41336	0.35267	0.63752
4692.26	-106.264	1.22156	0.28242	0.12918	0.5723	0.48288	0.91381
4760.38	-106.406	1.10348	0.1887	0.1709	0.31655	0.39966	0.94495
4829.59	-106.504	0.97134	0.489	0.09645	0.25248	0.64949	0.45772
4899.9	-106.612	0.80632	0.34132	0.19656	0.27431	0.23216	0.60487
4971.31	-106.74	1.21131	0.39174	0.48465	0.24735	0.47198	0.89161
5043.46	-106.88	1.37067	0.48475	0.30436	0.4862	0.69604	0.91118
5116.7	-106.976	1.03997	0.44769	0.12691	0.61427	0.25989	0.64817
5191.04	-107.12	1.23329	0.38332	0.27671	0.65622	0.18087	0.91333
5266.48	-107.224	1.54837	0.31077	0.23787	0.55158	0.14324	1.38547
5343.02	-107.333	0.94271	0.36949	0.31606	0.29951	0.59448	0.45734
5420.65	-107.44	1.19838	0.64138	0.16855	0.51294	0.59991	0.61102
5499.39	-107.588	0.8626	0.24537	0.53883	0.32368	0.3192	0.4323
5579.22	-107.697	1.01202	0.31752	0.44864	0.30707	0.50153	0.6134
5660.52	-107.81	1.17576	0.45325	0.40656	0.46717	0.10352	0.88471
5742.92	-107.98	1.21731	0.20397	0.37816	0.39373	0.47701	0.95639
5826.42	-108.099	1.40755	0.20277	0.55541	0.59454	0.87128	0.7204
5911.01	-108.173	1.16663	0.34328	0.05267	0.40978	0.84983	0.59185
5997.07	-108.248	1.59142	0.26133	0.47166	0.73086	1.01902	0.81811
6084.23	-108.398	1.35067	0.51358	0.94213	0.362	0.56579	0.47095
6172.85	-108.553	1.66495	0.92597	0.32985	0.76914	0.77139	0.78691
6262.57	-108.693	1.71489	0.81763	0.47703	0.81891	0.37631	1.11021
6353.76	-108.788	1.19442	0.42239	0.05781	0.5242	0.68732	0.70547
6446.04	-108.908	1.80482	0.38855	0.58212	1.25682	0.71331	0.8241
6539.79	-109.032	1.58071	1.4011	0.37099	0.54042	0.05958	0.31987
6635.01	-109.169	1.06663	0.21961	0.27922	0.41074	0.76163	0.51257
6731.69	-109.283	1.3861	0.70977	0.4555	0.37676	0.89541	0.51604
6829.47	-109.407	1.15225	0.88374	0.37384	0.40646	0.09314	0.48275
6928.71	-109.569	1.16409	0.10601	0.294	0.74044	0.63315	0.55525
7029.42	-109.671	1.67873	0.97398	0.61305	1.06605	0.46554	0.37482
7131.59	-109.745	0.95021	0.5415	0.07982	0.18178	0.44863	0.60745
7235.23	-109.912	1.5	0.45834	0.37364	0.65535	1.04721	0.6117
7340.33	-109.956	1.61529	0.70277	1.15163	0.54226	0.53774	0.45364
7447.27	-110.141	1.5028	0.95609	0.40401	0.88109	0.32398	0.54752
7555.66	-110.268	0.83867	0.29291	0.26384	0.52781	0.47321	0.21319
7665.53	-110.437	0.84236	0.43313	0.58102	0.22847	0.17472	0.31884
7776.86	-110.505	0.96073	0.33789	0.11997	0.54644	0.68191	0.17566
7890.01	-110.606	0.96542	0.33447	0.27296	0.54497	0.30496	0.59638
8004.64	-110.644	1.31051	0.75634	0.48874	0.86373	0.40063	
8121.09	-110.936	1.53255	0.48493	0.88175	0.72669	0.89888	
8239.38	-110.945	2.03881	1.5049	0.32026	0.70346	1.1378	
8359.13	-111.114	1.22109	0.50755	0.66473	0.68252	0.57074	
8480.71	-111.217	2.23165	1.54664	1.29331	0.39897	0.86967	
8604.13	-111.325	1.26871	0.86943	0.52286	0.65778	0.38424	
8729.37	-111.429	1.18263	0.89956	0.4696	0.30696	0.52408	
8856.45	-111.541	1.29957	0.8814	0.56858	0.53173	0.55317	
8985.35	-111.646	1.50612	0.31913	0.08711	1.34372	0.59446	

9116.09	-111.815	1.38736	0.64033	1.12612	0.49459	0.04464
9248.66	-111.933	1.15348	0.68787	0.44937	0.47822	0.65324
9383.06	-112.031	2.03064	0.56801	0.9385	1.55986	0.6978
9519.65	-112.204	0.95626	0.27593	0.79055	0.17724	0.42651
9658.08	-112.284	0.77948	0.22975	0.4866	0.56393	
9798.71	-112.418	1.95424	1.53671	1.10608	0.4839	
9941.16	-112.518	1.71137	1.14133	0.70959	1.05954	
10085.82	-112.621	1.98898	1.38821	1.22435	0.72794	
10232.67	-112.809	1.25929	0.76836	0.25853	0.96364	
10381.35	-112.879	1.71896	1.26937	1.06225	0.46382	
10532.23	-112.953	2.27358	0.99879	1.82051	0.92591	
10685.3	-113.134	1.18565	0.52288	0.25218	1.03382	
10840.58	-113.187	1.51045	1.37031	0.23572	0.59004	
10998.41	-113.332	0.84453	0.70721	0.32905	0.32375	
11158.45	-113.443	1.56773	0.47265	0.70217	1.3196	
11320.68	-113.492	1.76489	0.33263	1.27757	1.17133	
11485.47	-113.691	1.1003	0.54099	0.95023	0.12273	
11652.47	-113.717	0.80939	0.44802	0.57817	0.34657	
11822.02	-113.866	1.05782	0.64176	0.83087	0.12955	
11994.14	-113.862	2.47364	2.34822	0.52941	0.56962	
12168.46	-114.135	1.41175	1.19067	0.75853		
12345.34	-114.222	1.86337	1.22454	1.4045		
12524.78	-114.414	1.0828	0.88071	0.62992		
12706.79	-114.457	2.80759	2.32223	1.5779		
12891.72	-114.566	0.7985	0.78691	0.13554		
13079.22	-114.65	2.19237	2.16302	0.35759		
13269.29	-114.812	1.944	1.40311	1.34552		
13462.28	-114.881	1.89041	1.77251	0.65716		
13658.2	-115.068	2.83808	2.73785	0.74757		
13856.69	-115.117	1.11545	1.08893	0.24178		
14058.11	-115.112	1.65663	1.56341	0.54787		
14262.45	-115.2	2.34975	2.28862	0.53247		
14469.73	-115.344	2.59619	2.49189	0.72851		
14680.3	-115.574	1.13638	0.46811	1.03549		
14893.8	-115.69	0.92058	0.86621	0.31169		
15110.6	-115.758	1.34432	1.28204	0.40447		
15330.32	-115.803	2.15268	1.88151	1.04592		
15553.34	-115.983	0.60363	0.42349	0.43014		
15779.66	-116.017	1.16291	0.9781	0.62903		
16009.28	-116.038	2.1956	2.1956			
16242.19	-116.321	1.5409	1.54089			
16478.39	-116.367	0.48345	0.48345			
16717.89	-116.594	0.89787	0.89787			
16961.06	-116.797	0.53391	0.53391			
17207.89	-116.731	0.91004	0.91004			
17458.01	-116.889	2.56241	2.56241			
17711.79	-116.965	2.13367	2.13367			

17969.24	-116.928	0.77126	0.77126
18230.71	-117.202	1.83883	1.83883
18495.85	-117.287	0.94351	0.94351
18765.02	-117.298	0.94753	0.94753
19037.84	-117.394	0.66644	0.66644
19314.7	-117.49	0.97207	0.97207
19595.58	-117.566	0.41978	0.41978
19880.49	-117.589	2.28994	2.28994
20169.8	-117.831	1.08152	1.08152
20463.13	-117.949	1.43801	1.43801
20760.86	-117.95	0.82133	0.82133
21062.99	-118.066	1.24561	1.24561
21369.51	-118.578	1.21653	1.21653
21680.42	-118.709	1.50159	1.50159
21995.73	-119.598	1.8688	1.8688
22315.8	-120.898	2.72784	2.72784
22640.26	-123.103	1.7086	1.7086
22969.48	-126.357	6.50128	6.50128
23303.47	-129.42	2.02448	2.02448
23642.58	-135.86	2.19082	2.19082
23986.45	-143.4	18.51221	18.51221
24335.45	-149.873		
24689.57	-153.096		
25048.83	-159.023		

