

Freq(Hz)	Magn(dB)	THD(%)	Dist2(%)	Dist3(%)	Dist4(%)	Dist5(%)	Dist6+(%)
5.13	-79.4242	9.63131	0.35811	2.83529	0.4542	0.43866	9.17585
5.13	-79.445	10.11258	0.31897	2.93015	0.65472	0.77844	9.61988
5.49	-78.6245	17.43337	0.06512	3.3005	0.58272	0.32257	17.10501
5.86	-77.9174	4.21081	0.49436	3.61023	0.39917	0.95136	1.84074
6.23	-77.2635	16.99767	0.35714	4.15887	0.27783	1.85874	16.36963
6.59	-76.771	4.63769	0.68788	3.87646	0.53556	1.36782	1.96222
6.96	-76.4664	11.74798	1.63415	3.8292	0.36571	1.91563	10.81102
7.32	-76.1084	10.8569	1.38774	4.20687	1.67438	2.2354	9.51042
7.69	-75.8504	6.02028	2.1368	4.82102	0.16641	2.17733	1.915
8.06	-76.2885	12.05527	3.86542	3.93188	1.76787	1.46658	10.47149
8.42	-76.2465	13.61739	3.34166	5.76554	0.61101	1.86516	11.7121
8.79	-76.0231	8.14122	3.51775	5.83964	1.62077	0.10145	4.14323
9.16	-77.4673	11.02023	8.13787	3.51735	1.55224	3.22907	5.47837
9.52	-77.9699	15.74357	7.349	6.9654	1.87744	11.78008	1.7436
9.89	-77.6172	16.6361	5.24622	7.22524	3.58213	11.98785	6.36339
10.25	-79.509	15.9582	10.38875	3.10833	1.13191	11.01479	3.80381
10.62	-79.9959	11.40438	8.12582	7.55141	1.22027	0.59426	2.27266
10.99	-79.2138	12.14359	6.86742	6.53892	1.18468	3.10898	6.81752
11.35	-80.8353	15.4055	12.24171	1.5368	7.6484	2.73784	4.37204
11.72	-81.6144	18.78119	10.4792	8.75146	12.24219	3.62619	1.81962
12.08	-80.492	18.65122	5.76455	7.12526	15.35651	2.52013	4.65782
12.45	-81.4246	21.4465	8.47075	3.36734	16.07413	3.26353	10.38421
12.82	-85.8417	28.11981	1.84808	9.68901	24.12258	2.28454	10.31082
13.18	-82.018	12.20072	4.55295	5.88249	9.01409	1.26678	3.26586
13.55	-82.5471	15.74415	8.54305	4.10605	6.72409	2.57579	10.30468
13.92	-83.456	18.83654	10.24922	11.32949	2.27791	2.13226	10.56767
14.28	-85.1748	17.13938	2.10378	11.24609	3.27342	3.1687	11.92064
14.65	-82.7846	13.01461	4.35332	7.65729	2.34736	3.15101	8.73818
15.01	-83.4635	15.81087	2.72817	10.67059	1.19897	2.25231	11.05301
15.38	-83.0548	11.98785	3.59771	10.33248	1.05811	1.02833	4.67205
15.75	-82.9477	18.27726	3.79662	17.54367	1.3389	1.55631	2.76565
16.11	-83.1952	14.70884	5.3376	11.8532	0.37958	1.27917	6.7514
16.48	-83.0203	28.53987	5.67088	24.85778	1.37319	1.90044	12.60787
16.85	-82.9454	15.68858	2.77445	9.08007	0.24448	3.40929	12.01264
17.21	-83.0065	25.00446	4.52378	23.3378	0.77652	3.13237	7.04918
17.58	-82.9021	10.50718	5.04575	8.37313	0.94263	1.5746	3.38589
17.94	-82.7842	15.65882	3.87253	14.91695	0.70706	1.13878	2.42694
18.31	-82.7444	11.7214	4.59588	8.26962	0.53359	1.96614	6.61302
18.68	-82.6413	12.40992	4.77403	6.97326	0.9179	2.98359	8.53487
19.04	-82.5611	13.32877	4.74376	9.29863	1.07151	3.98743	7.18616
19.41	-82.5231	10.44052	4.02679	6.70756	1.09466	5.58282	3.92836
19.78	-82.4799	11.45835	4.64619	7.261	1.9019	6.82381	2.60825
20.14	-81.3095	10.78923	3.80594	5.14519	2.0563	8.13625	2.24103
20.51	-81.3258	10.28428	3.81192	6.00795	1.80282	6.6878	2.67643
20.87	-81.2896	9.17542	2.92795	6.51865	0.64489	2.79626	4.98876
21.24	-81.2307	11.16587	5.2652	6.02517	0.43784	0.95666	7.71653

21.61	-81.236	10.26291	4.41831	5.8849	0.24406	1.71679	6.94023
21.97	-81.1552	7.91926	2.76495	5.60557	1.1894	1.7084	4.39477
22.34	-81.1524	11.3859	8.62761	5.77395	0.39508	0.88711	4.574
22.71	-81.1311	11.28704	7.02822	5.40497	0.15175	1.27639	6.86552
23.07	-81.0332	8.93744	5.70158	5.03515	1.44006	1.18602	4.30542
23.44	-81.0754	13.6312	12.09831	5.85355	1.48564	1.39782	1.00784
23.8	-81.0773	12.94603	11.50934	4.6278	3.029	1.63077	1.37263
24.17	-81.124	11.87226	8.09837	6.24848	5.01825	1.03996	3.17161
24.54	-81.0285	16.44285	12.8575	5.82025	3.78637	2.13904	7.22942
24.9	-81.0126	17.66092	13.10502	3.96151	5.9385	2.45794	9.11953
25.27	-81.164	14.69322	8.60292	6.63162	5.65686	1.21813	8.0261
25.63	-80.9239	14.73946	11.97005	5.35615	3.51077	1.90722	5.41461
26	-80.9775	14.19753	12.66492	3.88038	3.95484	1.72171	2.73997
26.37	-81.0405	10.45684	8.24949	5.646	2.61396	1.18998	1.07946
26.73	-81.0354	9.2303	7.77998	4.3453	1.66987	1.38593	1.03897
27.1	-81.0804	7.75952	5.39857	4.63967	1.20735	0.92778	2.68712
27.47	-81.0437	8.96084	5.12461	4.83744	0.32194	0.95512	5.44226
27.83	-81.0342	9.05681	4.93882	4.50205	0.37688	1.21017	5.97987
28.2	-81.0319	8.65288	6.01135	4.32146	0.65974	0.70152	4.3742
28.56	-81.0435	8.29435	5.78357	4.42507	1.1077	3.05937	2.27563
28.93	-81.0727	6.72044	3.92647	3.91393	0.77091	3.58276	0.99889
29.3	-81.0845	6.76068	1.38713	4.08776	0.52014	5.13615	0.64986
29.66	-81.0521	7.32712	3.31547	4.26328	0.34251	4.88431	0.73821
30.03	-80.2106	6.73789	0.90333	4.09852	0.29147	5.22272	0.65082
30.4	-80.2029	6.76877	1.21327	3.4991	0.32905	5.28314	2.02007
30.76	-80.2108	6.79147	1.38502	3.1895	0.49727	3.98066	4.23556
31.13	-80.2598	8.1406	1.38079	4.37772	0.58629	3.40841	5.76518
31.49	-80.2069	6.83362	0.16404	3.73046	0.63154	1.86541	5.37369
31.86	-80.204	5.24734	1.93153	3.00112	0.98782	0.32226	3.7037
32.23	-80.148	4.05546	0.74566	3.43179	0.88117	0.64523	1.70901
32.59	-80.2487	6.64745	1.36403	6.34823	0.92716	0.72787	0.79918
32.96	-80.093	3.13873	1.70083	1.69451	1.49773	1.10009	0.79627
33.33	-80.176	6.07013	1.7483	5.62265	0.90832	0.87055	0.76994
33.69	-79.8456	5.02376	1.32436	4.49284	1.32348	0.73231	1.00535
34.06	-79.9884	2.0558	1.55111	0.76583	0.6351	0.73318	0.54125
34.42	-79.8316	3.9242	1.80056	3.04302	0.81482	0.81963	1.24964
34.79	-80.0097	5.15079	1.0391	3.91319	1.37092	0.9396	2.71581
35.16	-79.0882	6.23868	0.59123	4.81948	0.1781	0.6248	3.86292
35.52	-79.0425	6.24056	1.54561	3.05945	1.17683	0.65811	5.0376
35.89	-79.0276	6.89416	0.96126	3.98602	2.41442	0.91976	4.90324
36.25	-78.9997	5.78344	1.02305	3.41964	2.6652	0.5482	3.64744
36.62	-78.942	5.80343	1.48813	3.25419	4.02899	0.7039	2.03649
36.99	-78.9036	6.0138	1.58312	3.42894	4.51597	0.80917	0.92373
37.35	-78.9518	6.16748	1.02465	3.41862	4.95451	0.73701	0.45898
37.72	-78.9308	5.91614	1.36895	2.83792	4.95354	0.61454	0.39719
38.09	-78.9073	5.68755	1.22077	3.22344	4.45221	0.58675	0.54858
38.82	-78.8568	4.51587	0.99854	2.91996	2.99075	1.0016	0.96022

39.55	-78.8181	3.72009	1.41075	2.95129	1.52611	0.58921	0.6801
40.28	-78.2684	3.19802	1.08095	2.70605	0.11183	1.04918	0.78922
41.02	-78.2377	4.58891	1.14649	2.7441	0.19085	0.25089	3.48056
41.75	-78.1008	5.21981	1.06087	2.32478	0.23875	0.59939	4.50557
42.48	-78.3411	3.97423	1.08346	2.45381	0.13762	0.56106	2.87501
43.21	-78.2207	3.00384	1.05241	2.48517	0.13142	0.51489	1.20707
43.95	-78.6712	3.02957	1.24009	2.54982	0.04325	0.5015	0.94102
44.68	-78.5252	2.9226	0.7801	2.64275	0.01493	0.55053	0.8035
45.41	-77.4108	2.68597	1.33592	2.20665	0.01662	0.44477	0.60195
46.14	-77.8223	2.7669	1.50308	2.26916	0.07049	0.47454	0.1312
46.88	-78.5211	3.44098	1.76105	2.91444	0.06859	0.4852	0.07014
47.61	-77.6932	4.82884	3.25203	3.54802	0.07513	0.37099	0.10144
48.34	-77.4483	4.19954	2.41641	3.16224	0.29814	1.2961	0.16914
49.07	-78.595	6.42681	4.97002	2.77433	0.63867	2.87035	0.50897
49.8	-78.1334	8.25858	4.82535	4.68459	0.56617	4.46751	1.6418
50.54	-78.1082	6.43768	3.50651	3.128	0.57854	4.22895	1.07002
51.27	-78.3376	6.65682	3.93333	4.84065	0.55868	2.25676	0.07135
52	-78.1551	4.07155	3.92709	1.01859	0.24315	0.23858	0.0443
52.73	-77.9172	3.57767	3.2308	1.498	0.08278	0.32106	0.08777
53.47	-77.9608	2.49951	1.78081	1.70342	0.07682	0.39618	0.10855
54.2	-78.0959	2.61758	1.92796	1.72793	0.05643	0.28579	0.25322
54.93	-77.8594	2.3159	1.17378	1.79022	0.01606	0.30674	0.8285
55.66	-77.6286	2.21022	0.8359	1.90545	0.0283	0.33804	0.66375
56.4	-77.7801	2.0968	0.652	1.78482	0.0119	0.29395	0.83627
57.13	-77.3865	1.9566	0.70511	1.7458	0.05314	0.30719	0.43139
57.86	-77.7244	2.08153	0.86519	1.68164	0.11324	0.25252	0.82444
58.59	-77.7477	2.11837	0.88372	1.66168	0.11624	0.29415	0.91942
59.33	-77.8134	1.83029	0.64917	1.59497	0.16914	0.17714	0.56973
60.06	-77.3876	1.89318	0.79491	1.61278	0.4785	0.29884	0.18149
60.79	-77.431	2.48878	0.75582	1.55537	1.62059	0.21013	0.73015
61.52	-77.4893	3.69179	0.48924	1.55405	3.24698	0.27561	0.59672
62.26	-77.5242	4.54965	0.77191	1.47103	4.22772	0.21128	0.14613
62.99	-77.5516	4.22879	0.75606	1.44822	3.88506	0.24517	0.24487
64.09	-77.631	2.60132	0.78851	1.30342	1.92504	0.15749	0.84596
65.19	-77.2993	1.88988	0.77685	1.58686	0.19374	0.22964	0.59978
66.28	-77.4158	1.236	0.74761	0.9382	0.21477	0.16231	0.12682
67.38	-77.4583	1.5575	1.13112	1.01582	0.21831	0.22538	0.12655
68.48	-77.5408	1.61883	0.88513	1.03615	0.1143	0.26845	0.82367
69.58	-77.6394	1.9683	0.9551	1.33102	0.05004	1.04469	0.31062
70.68	-77.3444	2.19512	1.55941	1.25893	0.01879	0.89274	0.06742
71.78	-77.421	2.2353	1.8086	1.19284	0.02284	0.31199	0.45253
72.88	-77.5139	3.02485	2.7556	1.20817	0.06463	0.16431	0.25606
73.97	-77.6195	3.87132	3.648	1.21002	0.04685	0.01705	0.4611
75.07	-77.3493	4.23236	3.94938	1.2159	0.07511	0.04019	0.91079
76.17	-77.4317	3.74171	3.5411	1.1427	0.14134	0.23742	0.28098
77.27	-77.5183	3.54285	3.34322	1.11435	0.04711	0.1164	0.34227
78.37	-77.5959	1.80205	1.15474	1.10198	0.0288	0.19197	0.81359

79.47	-77.6863	1.47463	1.16613	0.80975	0.05298	0.16856	0.35747
80.57	-77.4414	1.7317	0.86608	1.44937	0.05603	0.17317	0.33895
81.67	-77.5265	2.43466	0.63972	2.30974	0.00584	0.07306	0.42198
82.76	-77.6002	3.32617	0.56391	3.26893	0.00925	0.05644	0.23723
83.86	-77.7172	4.55959	0.77625	4.48549	0.01632	0.1386	0.21961
84.96	-77.7968	2.25607	0.61688	2.13925	0.15573	0.06864	0.32244
86.06	-77.5541	2.08352	0.71343	1.8635	0.53873	0.13213	0.22745
87.16	-77.6479	1.37625	0.62573	0.76928	0.9473	0.09089	0.07147
88.26	-77.7433	1.37349	0.65506	0.88327	0.79813	0.19886	0.02557
89.72	-77.8178	1.27934	0.55777	0.79388	0.18572	0.81005	0.06849
91.19	-77.6556	1.34646	0.64682	0.85974	0.0241	0.33505	0.73661
92.65	-77.6742	1.20362	0.57819	0.82974	0.00552	0.0812	0.64752
94.12	-77.7822	1.02133	0.45395	0.80831	0.04729	0.07767	0.41881
95.58	-77.9769	1.19481	0.89261	0.76365	0.04282	0.08711	0.19554
97.05	-77.7598	0.93467	0.56388	0.73444	0.09745	0.07771	0.02677
98.51	-77.6667	0.69541	0.29986	0.60556	0.14482	0.06202	0.04648
99.98	-77.9929	1.08866	0.52063	0.92702	0.2057	0.09612	0.05671
101.44	-78.2698	1.14998	1.01208	0.52253	0.14419	0.05613	0.03422
102.91	-77.9497	0.92409	0.60853	0.68793	0.05948	0.06833	0.04657
104.37	-77.8871	0.81798	0.43655	0.66332	0.03229	0.06151	0.18356
105.83	-77.9034	0.88336	0.40259	0.6814	0.04351	0.07471	0.38271
107.3	-78.2088	1.05957	0.65825	0.65991	0.00886	0.07487	0.49824
108.76	-78.2096	1.09628	0.6054	0.6545	0.01392	0.4185	0.48126
110.23	-78.0499	1.12765	0.54969	0.59738	0.18966	0.75788	0.0471
111.69	-78.1649	1.15268	0.53166	0.61153	0.81271	0.10407	0.02671
113.16	-78.2727	1.16814	0.58522	0.64102	0.77598	0.05678	0.07601
114.62	-78.3799	0.6295	0.56465	0.09705	0.20116	0.047	0.1592
116.46	-78.2771	1.53726	0.56986	1.41484	0.02248	0.06357	0.17915
118.29	-78.4348	1.3527	0.68195	1.13611	0.01859	0.07905	0.25959
120.12	-78.3337	0.91695	0.68494	0.59631	0.03561	0.05449	0.10877
121.95	-78.4668	2.47157	2.40484	0.5079	0.03206	0.03976	0.25461
123.78	-78.5959	5.07751	5.04951	0.49529	0.09732	0.05223	0.16158
125.61	-78.5067	5.02681	4.99708	0.46725	0.07536	0.04725	0.26792
127.44	-78.6256	2.61205	2.5636	0.46376	0.05842	0.0617	0.16862
129.27	-78.7799	1.43323	1.26143	0.44088	0.01108	0.51764	0.02189
131.1	-78.6651	0.90462	0.6953	0.46332	0.0201	0.28533	0.19602
132.93	-78.8192	0.75988	0.60095	0.4632	0.00517	0.03058	0.02744
134.77	-78.9511	0.74885	0.53968	0.45344	0.1296	0.03272	0.21459
136.6	-78.8478	1.03382	0.48838	0.40846	0.80787	0.0324	0.09866
138.43	-78.9843	0.95284	0.49031	0.41148	0.69713	0.03301	0.10541
140.26	-78.9258	0.66047	0.50782	0.3994	0.02515	0.01531	0.13399
142.46	-79.1944	0.65941	0.48737	0.38973	0.01291	0.03044	0.21048
144.65	-79.4045	0.65142	0.5184	0.37931	0.01553	0.03677	0.10069
146.85	-79.5128	0.65082	0.45173	0.46425	0.02301	0.04989	0.03111
149.05	-79.3568	1.117	0.59811	0.87396	0.00953	0.33094	0.12859
151.25	-78.8441	0.71892	0.35427	0.61473	0.01607	0.1095	0.03451
153.44	-79.0975	0.54144	0.46237	0.27501	0.03341	0.04867	0.01603

155.64	-79.1534	0.56555	0.4707	0.29353	0.00825	0.03279	0.10479
157.84	-79.4268	0.64919	0.4969	0.28865	0.01033	0.02236	0.30102
160.03	-79.4815	0.59311	0.49157	0.30366	0.12536	0.00806	0.04638
162.23	-79.6539	0.94368	0.52072	0.27766	0.73559	0.01012	0.03322
164.43	-79.7943	0.60441	0.44382	0.2959	0.19827	0.02786	0.2017
166.99	-79.7852	0.49135	0.43563	0.22138	0.02413	0.02649	0.03691
169.56	-79.9496	0.77573	0.58789	0.27376	0.01364	0.42248	0.05018
172.12	-79.9476	0.55973	0.49012	0.25069	0.01662	0.01986	0.0978
174.68	-80.1083	1.72767	1.69331	0.26057	0.00433	0.02554	0.22131
177.25	-80.1042	1.08804	1.06133	0.23033	0.01973	0.02656	0.05715
179.81	-80.2627	0.5926	0.53267	0.25815	0.00292	0.00256	0.02811
182.37	-80.2578	1.34614	0.45111	1.26754	0.00335	0.02422	0.03652
184.94	-80.4138	0.70715	0.44484	0.54004	0.08232	0.02555	0.05575
187.5	-80.415	0.70083	0.47298	0.16353	0.48911	0.01578	0.03505
190.06	-80.4294	0.63903	0.50719	0.18589	0.02418	0.33361	0.06835
192.99	-80.5626	0.53519	0.47891	0.18256	0.01652	0.01227	0.15271
195.92	-80.6376	0.35208	0.28931	0.19758	0.01686	0.01651	0.02576
198.85	-80.8392	0.69773	0.67496	0.17242	0.01312	0.01989	0.03088
201.78	-80.7768	0.56285	0.53243	0.17375	0.03181	0.02225	0.04021
204.71	-80.9718	0.37069	0.32598	0.15302	0.0171	0.01706	0.08457
207.64	-81.0091	0.54876	0.49969	0.1593	0.02144	0.0398	0.15502
210.57	-81.0264	0.54422	0.43225	0.16486	0.20345	0.19873	0.03568
213.5	-81.1903	0.5831	0.46091	0.17626	0.30573	0.02252	0.05018
216.43	-81.212	0.93565	0.43411	0.82658	0.01474	0.00964	0.05869
219.73	-81.392	0.5157	0.51363	0.01578	0.01748	0.02072	0.03388
223.02	-81.4402	1.56743	1.5624	0.11895	0.0087	0.01129	0.03716
226.32	-81.4846	1.58441	1.57906	0.12085	0.01911	0.01513	0.04155
229.61	-81.6488	0.66836	0.61071	0.12805	0.01561	0.23816	0.01947
232.91	-81.7021	0.44901	0.43657	0.09713	0.02497	0.0174	0.02556
236.21	-81.759	0.56245	0.44996	0.10251	0.31781	0.02376	0.0425
239.5	-81.9941	0.47359	0.45369	0.10172	0.07846	0.00995	0.04298
243.16	-81.7108	0.4153	0.39522	0.10155	0.01268	0.00435	0.07605
246.83	-81.5284	0.47578	0.41565	0.22892	0.01734	0.02326	0.01887
250.49	-82.4808	0.69555	0.43079	0.51978	0.03271	0.15031	0.06617
254.15	-82.2384	0.4212	0.40977	0.08743	0.01433	0.01298	0.03851
257.81	-82.3679	0.44219	0.41376	0.10227	0.01205	0.00943	0.11677
261.47	-82.4457	0.50899	0.43251	0.09596	0.24624	0.00811	0.04584
265.14	-82.4748	0.42925	0.41632	0.08995	0.01383	0.00734	0.05102
269.17	-82.666	0.38418	0.33519	0.06622	0.01945	0.16983	0.04052
273.19	-82.7424	1.52362	1.51882	0.1111	0.01692	0.00573	0.04411
277.22	-82.8211	1.23948	1.23613	0.07417	0.00705	0.0153	0.04991
281.25	-82.9006	0.47593	0.36411	0.3004	0.01856	0.02567	0.05182
285.28	-82.9774	0.47766	0.41615	0.20121	0.11069	0.00839	0.04661
289.31	-83.1512	0.43858	0.40483	0.07015	0.08267	0.12606	0.02871
293.33	-83.2258	0.50159	0.49333	0.06334	0.00447	0.02137	0.06109
297.73	-83.3085	0.51149	0.50429	0.07444	0.01415	0.01069	0.03811
302.12	-83.4283	0.33911	0.33178	0.05205	0.01143	0.01701	0.04228

306.52	-83.5167	0.36947	0.35407	0.0591	0.00419	0.01517	0.08604
310.91	-83.6	0.46103	0.42313	0.0934	0.13311	0.07552	0.03693
315.31	-83.6873	0.65599	0.41315	0.50844	0.01377	0.01299	0.0276
320.07	-83.7907	0.49256	0.48344	0.08018	0.01446	0.01437	0.04538
324.83	-83.9721	1.26014	1.2534	0.07489	0.0211	0.01227	0.10372
329.59	-84.0725	0.56402	0.54915	0.05985	0.02665	0.10413	0.0377
334.35	-84.1714	0.40252	0.39885	0.01997	0.01274	0.0175	0.0455
339.11	-84.2957	0.40395	0.38731	0.04309	0.07041	0.06053	0.05191
343.87	-84.3753	0.37948	0.36919	0.04533	0.01287	0.02841	0.06839
349	-84.5815	0.5915	0.40523	0.4197	0.00532	0.08433	0.04868
354.13	-84.5913	0.40226	0.39764	0.02614	0.01546	0.01928	0.04902
359.25	-84.7238	0.43172	0.42697	0.03593	0.01952	0.02376	0.04292
364.38	-84.8178	0.37791	0.36996	0.03716	0.03852	0.01439	0.05361
369.51	-84.9233	0.49652	0.48707	0.02119	0.0069	0.09021	0.02567
375	-84.9648	0.99484	0.99098	0.05751	0.02299	0.00657	0.06157
380.49	-85.0866	0.42932	0.39778	0.1543	0.00562	0.02873	0.03765
385.99	-85.2014	0.43204	0.40498	0.09705	0.09424	0.03737	0.05432
391.48	-85.3136	0.42078	0.41166	0.05002	0.00504	0.03078	0.06416
397.34	-85.4451	0.42834	0.42074	0.05054	0.0204	0.01748	0.05633
403.2	-85.5566	0.41048	0.40422	0.03012	0.0266	0.01547	0.057
409.06	-85.6818	0.40104	0.38595	0.04686	0.01214	0.07834	0.05824
414.92	-85.8027	0.40077	0.34573	0.19247	0.02155	0.00934	0.05909
420.78	-85.861	0.62008	0.61535	0.05277	0.02112	0.00586	0.05077
427	-85.9874	0.79493	0.7931	0.01738	0.02959	0.01374	0.03924
433.23	-86.116	0.42989	0.42449	0.01582	0.02302	0.00655	0.06157
439.45	-86.2118	0.39012	0.38184	0.03828	0.02937	0.03195	0.0552
445.68	-86.4582	0.39569	0.39099	0.03139	0.03098	0.00754	0.04115
452.27	-86.3957	0.41028	0.40266	0.04949	0.01212	0.03079	0.0515
458.86	-86.549	0.42848	0.4232	0.03791	0.0103	0.02207	0.0496
465.45	-86.6504	0.36529	0.36166	0.01148	0.02004	0.02545	0.03817
472.05	-86.7811	0.26674	0.25886	0.02083	0.01005	0.02622	0.05405
479	-86.9199	0.46905	0.4644	0.02598	0.03767	0.02581	0.03982
485.96	-87.0041	0.4309	0.41556	0.02401	0.09592	0.02297	0.05181
492.92	-87.1352	0.38526	0.37625	0.01693	0.01689	0.0344	0.07144
500.24	-87.2284	0.39372	0.38631	0.04663	0.03275	0.00998	0.04936
507.57	-87.361	0.41084	0.39695	0.01245	0.02522	0.03399	0.09628
514.89	-87.5048	0.391	0.3485	0.15898	0.00643	0.04238	0.06573
522.22	-87.5846	0.36852	0.36401	0.00909	0.04371	0.01192	0.03419
529.91	-87.7308	0.45701	0.45033	0.02997	0.02674	0.0512	0.04277
537.6	-87.8073	0.36806	0.35665	0.00599	0.07524	0.00471	0.05051
545.29	-88.0957	0.41693	0.41173	0.02243	0.01989	0.01517	0.05641
553.34	-88.1699	0.40483	0.38694	0.04365	0.02553	0.02615	0.10453
561.4	-88.1636	0.4259	0.405	0.03615	0.09664	0.01845	0.07989
569.46	-88.3172	0.36343	0.34467	0.03006	0.00765	0.08806	0.06758
577.88	-88.4213	0.48843	0.47751	0.04454	0.01876	0.00829	0.09025
586.3	-88.5191	0.43282	0.42151	0.01787	0.06939	0.02371	0.06297
594.73	-88.6672	0.37132	0.36434	0.00363	0.01086	0.00997	0.07003

603.52	-88.7721	0.39935	0.38974	0.03447	0.00684	0.03742	0.07035
612.3	-88.8905	0.42375	0.40596	0.02697	0.08868	0.03066	0.0723
621.09	-88.9911	0.27567	0.24702	0.04245	0.06022	0.02015	0.09559
630.25	-89.0979	0.45558	0.44213	0.01538	0.04397	0.05637	0.08204
639.4	-89.2599	0.41923	0.40378	0.03668	0.02552	0.0163	0.10222
648.56	-89.2387	0.47001	0.41592	0.18609	0.01904	0.05106	0.10159
658.08	-89.4436	0.40287	0.38934	0.02178	0.01101	0.01539	0.09943
667.6	-89.5977	0.36863	0.35117	0.03671	0.03221	0.03436	0.09489
677.49	-89.7183	0.55125	0.54279	0.03745	0.01248	0.01004	0.08716
687.38	-89.8322	0.37934	0.3573	0.03173	0.09095	0.01181	0.08255
697.27	-89.9533	0.41521	0.40928	0.03678	0.03894	0.01378	0.04282
707.52	-90.0748	0.36773	0.34986	0.00996	0.02188	0.03761	0.1041
717.77	-90.2088	0.40284	0.37397	0.05771	0.0412	0.02958	0.12856
728.39	-90.3305	0.31223	0.29579	0.00982	0.03376	0.03592	0.08642
739.01	-90.4645	0.41652	0.39542	0.03477	0.03382	0.02503	0.11896
749.63	-90.4565	0.42572	0.40158	0.10525	0.02702	0.02014	0.08808
760.62	-90.6742	0.41321	0.40217	0.04697	0.00807	0.00682	0.0818
771.61	-90.7952	0.56529	0.55834	0.01656	0.04742	0.02901	0.06662
782.96	-90.93	0.39946	0.38351	0.07712	0.02106	0.03201	0.0712
794.31	-91.0496	0.35609	0.34605	0.03612	0.03824	0.0328	0.0566
806.03	-91.1484	0.36727	0.34862	0.01646	0.0315	0.06137	0.0912
817.75	-91.2822	0.43238	0.42323	0.0242	0.05363	0.01496	0.0644
829.47	-91.4105	0.41533	0.39418	0.03569	0.04729	0.04174	0.10893
841.55	-91.501	0.41256	0.38929	0.05415	0.01808	0.03662	0.11857
853.64	-91.5473	0.42676	0.41727	0.00707	0.03259	0.01177	0.08219
866.09	-91.7498	0.40144	0.38589	0.03268	0.01872	0.04188	0.09524
878.54	-91.8848	0.44171	0.42124	0.01585	0.01062	0.03166	0.12767
891.36	-91.9971	0.37551	0.35482	0.01428	0.04112	0.01528	0.11395
904.17	-92.1436	0.44253	0.40877	0.01304	0.05007	0.02054	0.16013
917.36	-92.2402	0.45803	0.42807	0.06945	0.0371	0.0541	0.13199
930.54	-92.3597	0.39766	0.37092	0.06338	0.05207	0.01884	0.11604
944.09	-92.4854	0.43088	0.38557	0.02183	0.04777	0.00633	0.18494
957.64	-92.6442	0.40334	0.36602	0.05437	0.08143	0.00953	0.13796
971.56	-92.7652	0.30528	0.27104	0.05288	0.02791	0.09796	0.08097
985.84	-92.8685	0.38914	0.37158	0.02851	0.04146	0.03637	0.0975
1000.12	-92.9871	0.47479	0.44815	0.08002	0.01457	0.03848	0.12843
1014.77	-93.1301	0.48322	0.45525	0.05871	0.02612	0.07879	0.12614
1029.42	-93.2591	0.4308	0.38111	0.03469	0.06998	0.04733	0.1789
1044.43	-93.4009	0.46927	0.41915	0.06473	0.0406	0.0139	0.1962
1059.45	-93.5123	0.43095	0.38586	0.06815	0.0544	0.03598	0.16712
1074.83	-93.6249	0.44791	0.4147	0.06696	0.05652	0.04162	0.13868
1090.58	-93.7113	0.3973	0.36085	0.02549	0.0183	0.03784	0.1588
1106.32	-93.8412	0.36643	0.34769	0.03272	0.01402	0.04723	0.09941
1122.44	-93.98	0.53894	0.50972	0.02803	0.0189	0.02664	0.16969
1138.92	-94.098	0.50096	0.4471	0.03045	0.03949	0.13857	0.17139
1155.4	-94.2233	0.421	0.37743	0.04315	0.05702	0.08088	0.15209
1172.24	-94.3468	0.58334	0.54991	0.04088	0.06371	0.04993	0.17221

1189.45	-94.4839	0.44332	0.3976	0.06078	0.02012	0.06223	0.17457
1206.67	-94.6036	0.39609	0.35456	0.07193	0.0505	0.03102	0.14996
1224.24	-94.7298	0.60817	0.56792	0.08263	0.04599	0.04871	0.18979
1242.19	-94.8422	0.36676	0.30589	0.0536	0.06929	0.03678	0.17865
1260.13	-94.9623	0.46297	0.40499	0.0538	0.09494	0.06918	0.18339
1278.44	-95.1105	0.39811	0.34572	0.07529	0.06082	0.13252	0.10971
1297.12	-95.2212	0.46826	0.43923	0.01664	0.05147	0.01661	0.15212
1316.16	-95.3358	0.45828	0.38778	0.03766	0.0268	0.05076	0.23437
1335.21	-95.454	0.4593	0.37371	0.03452	0.14481	0.05908	0.21363
1354.61	-95.6038	0.44736	0.41219	0.01169	0.02937	0.03727	0.16686
1374.39	-95.7258	0.41179	0.29442	0.04909	0.08289	0.08833	0.25653
1394.53	-95.8544	0.5046	0.40338	0.1087	0.01718	0.02782	0.2811
1414.67	-95.9741	0.52846	0.45135	0.08547	0.01557	0.0319	0.25882
1435.18	-96.0913	0.4872	0.40132	0.07787	0.13758	0.13066	0.18504
1456.05	-96.2263	0.52722	0.42416	0.02783	0.06703	0.09139	0.29058
1477.29	-96.3448	0.49591	0.41356	0.03203	0.06297	0.05629	0.25834
1498.9	-96.4745	0.43662	0.35755	0.00987	0.07446	0.0586	0.23177
1520.87	-96.5857	0.63937	0.52421	0.06676	0.16518	0.08377	0.30861
1542.85	-96.7162	0.60346	0.40599	0.03132	0.10737	0.25117	0.35177
1565.19	-96.828	0.49009	0.41773	0.10597	0.0534	0.04888	0.22185
1587.89	-96.9644	0.49244	0.42379	0.0244	0.10464	0.08892	0.20844
1610.96	-97.0838	0.45331	0.33775	0.03349	0.07881	0.13786	0.2551
1634.4	-97.2197	0.58071	0.42557	0.08048	0.04384	0.0478	0.38136
1658.2	-97.3395	0.60332	0.46147	0.04214	0.06383	0.24775	0.28949
1682.37	-97.4477	0.65958	0.56028	0.02323	0.15191	0.20232	0.23786
1706.91	-97.5782	0.54081	0.46277	0.08462	0.08985	0.0382	0.24825
1731.81	-97.7041	0.44068	0.39706	0.08309	0.05203	0.02778	0.16172
1757.08	-97.8349	0.54481	0.41632	0.12882	0.09618	0.06704	0.30522
1782.71	-97.9559	0.47673	0.39613	0.01077	0.09151	0.09608	0.22941
1808.72	-98.0903	0.6609	0.36636	0.14262	0.15628	0.05828	0.50438
1835.08	-98.2097	0.46176	0.33744	0.13769	0.03804	0.03816	0.27838
1861.82	-98.3363	0.46431	0.36911	0.08432	0.05422	0.06896	0.25404
1888.92	-98.4648	0.5426	0.36472	0.08829	0.10707	0.16029	0.34125
1916.38	-98.5759	0.66922	0.45759	0.09495	0.31409	0.00508	0.36163
1944.21	-98.7014	0.60528	0.48482	0.16758	0.03349	0.03173	0.31796
1972.41	-98.8348	0.71709	0.50212	0.07617	0.14528	0.06251	0.48091
2000.98	-98.9227	0.43243	0.32193	0.02229	0.12984	0.19805	0.16365
2029.91	-99.1014	0.6277	0.45702	0.27835	0.01742	0.04598	0.3244
2059.57	-99.2152	0.65097	0.41674	0.19941	0.12327	0.05248	0.43861
2089.6	-99.3453	0.70685	0.50809	0.14973	0.14271	0.03791	0.44414
2120	-99.473	0.84222	0.42104	0.29095	0.19463	0.10087	0.63194
2150.76	-99.624	0.69374	0.44533	0.04946	0.08832	0.17085	0.49348
2181.88	-99.65	0.56632	0.42465	0.0856	0.10927	0.04083	0.34563
2213.75	-99.8505	0.58608	0.30429	0.05457	0.13757	0.15381	0.45314
2245.97	-99.9525	0.69025	0.41436	0.25639	0.02834	0.06358	0.48391
2278.56	-100.102	0.71508	0.39507	0.20356	0.01282	0.27866	0.4858
2311.89	-100.233	0.65339	0.37627	0.20385	0.02797	0.10015	0.48267

2345.58	-100.38	0.6759	0.39886	0.11395	0.16419	0.17042	0.4783
2379.64	-100.473	0.5526	0.39713	0.06721	0.14829	0.03696	0.34609
2414.43	-100.612	0.65142	0.38958	0.26803	0.08692	0.02068	0.43904
2449.58	-100.737	0.69908	0.40585	0.16415	0.11456	0.11491	0.52031
2485.11	-100.847	0.77245	0.40039	0.07037	0.07022	0.07405	0.64884
2521.36	-100.952	0.59938	0.49318	0.08109	0.10639	0.06015	0.30743
2557.98	-101.099	0.75739	0.38706	0.18322	0.01759	0.20522	0.58977
2595.34	-101.222	0.67799	0.48939	0.15674	0.12714	0.16809	0.38882
2633.06	-101.368	0.84135	0.44143	0.32407	0.07796	0.2796	0.56897
2671.51	-101.455	0.67517	0.5176	0.08171	0.07813	0.17965	0.378
2710.33	-101.598	0.77027	0.42883	0.26126	0.21135	0.27337	0.47092
2749.88	-101.723	0.75367	0.39114	0.0976	0.04195	0.1116	0.62553
2789.79	-101.896	0.73016	0.30648	0.1678	0.16801	0.26869	0.55733
2830.44	-101.995	0.85443	0.50865	0.07612	0.23166	0.25937	0.58702
2871.46	-102.302	0.74626	0.33603	0.20195	0.07809	0.24246	0.58165
2913.21	-102.403	0.90126	0.48055	0.12832	0.237	0.01169	0.71314
2955.69	-102.542	0.88748	0.61705	0.14893	0.17867	0.12408	0.58083
2998.54	-103.042	3.2352	3.03333	0.79789	0.15067	0.29542	0.72031
3042.11	-102.856	1.03277	0.72185	0.07895	0.08827	0.25931	0.68138
3086.43	-102.967	0.81385	0.19989	0.11921	0.09502	0.24995	0.73258
3131.47	-103.07	0.67737	0.33426	0.07935	0.02318	0.14298	0.56553
3176.88	-103.215	0.83647	0.31971	0.0564	0.27054	0.42058	0.58669
3223.02	-103.322	0.7777	0.54436	0.07599	0.11212	0.13068	0.52257
3269.9	-103.447	0.98368	0.63471	0.14622	0.27086	0.24715	0.63949
3317.5	-103.577	1.20104	0.61146	0.17811	0.26981	0.34369	0.91977
3365.84	-103.693	1.1417	0.46436	0.23395	0.2052	0.26912	0.95843
3414.92	-103.815	0.99791	0.45194	0.29349	0.183	0.53606	0.62015
3464.72	-103.944	0.78095	0.24216	0.15134	0.12628	0.16659	0.69617
3515.26	-104.054	0.96762	0.27367	0.09977	0.30963	0.30477	0.81405
3566.53	-104.201	0.83351	0.30592	0.19129	0.29165	0.25326	0.64449
3618.53	-104.322	1.05944	0.37606	0.42494	0.44955	0.22355	0.7405
3671.26	-104.425	0.97128	0.34875	0.15234	0.19638	0.32364	0.80948
3724.73	-104.588	0.83493	0.38045	0.20819	0.25704	0.09101	0.65929
3778.93	-104.686	1.13991	0.38202	0.28273	0.10709	0.24059	1.00208
3833.86	-104.795	1.04319	0.2689	0.18754	0.27969	0.33172	0.89023
3889.53	-104.919	1.06565	0.41915	0.18196	0.22979	0.61752	0.7019
3945.92	-105.028	1.1768	0.43702	0.51562	0.15038	0.56503	0.76559
4003.42	-105.128	1.3636	0.75922	0.24896	0.19214	0.10118	1.08344
4061.65	-105.299	1.3241	0.46426	0.50865	0.20258	0.22355	1.08993
4120.61	-105.406	0.77627	0.28053	0.24464	0.26266	0.28423	0.56061
4180.66	-105.536	1.23698	0.45661	0.0704	0.12407	0.33477	1.09051
4241.46	-105.649	1.26831	0.39957	0.35067	0.06263	0.8619	0.76105
4302.98	-105.792	1.09931	0.64725	0.37951	0.16669	0.34989	0.70378
4365.6	-105.884	1.17011	0.31092	0.27846	0.3262	0.32575	0.99117
4428.96	-106.029	1.04358	0.62657	0.25735	0.15235	0.21693	0.7483
4493.41	-106.143	1.13633	0.28615	0.17868	0.20188	0.18871	1.04932
4558.59	-106.261	1.07907	0.48201	0.21107	0.52946	0.44841	0.63725

4624.88	-106.38	0.92048	0.26871	0.35223	0.4737	0.39853	0.51748
4692.26	-106.476	1.42874	0.42157	0.3191	0.22312	0.1231	1.30262
4760.38	-106.584	0.8207	0.34072	0.08322	0.53525	0.07714	0.50804
4829.59	-106.721	1.3998	0.37796	0.36244	0.25963	0.46103	1.18543
4899.9	-106.864	1.69641	0.39197	0.2847	0.75685	0.28542	1.41025
4971.31	-106.961	1.14397	0.24875	0.31239	0.12337	0.42178	0.9778
5043.46	-107.073	1.28201	0.48018	0.32444	0.25111	0.89701	0.66335
5116.7	-107.175	1.07864	0.40792	0.49516	0.1448	0.58194	0.6263
5191.04	-107.425	1.35588	0.3385	0.80255	0.08006	0.67251	0.78807
5266.48	-107.431	0.99998	0.14242	0.51444	0.5598	0.35258	0.52662
5343.02	-107.58	1.01815	0.42127	0.27227	0.21529	0.48697	0.70819
5420.65	-107.698	1.21474	0.4022	0.45055	0.65331	0.3796	0.73479
5499.39	-107.801	1.35596	0.71175	0.45359	0.33049	0.35262	0.94484
5579.22	-107.92	1.26485	0.38622	0.34239	0.41305	0.74525	0.77939
5660.52	-108.041	1.58972	0.67777	1.01879	0.53338	0.05002	0.86191
5742.92	-108.117	0.9328	0.42411	0.5878	0.41691	0.28847	0.29614
5826.42	-108.283	1.45365	0.51869	0.44441	0.40464	0.39902	1.15048
5911.01	-108.485	1.21162	0.25853	0.53812	0.23486	0.32791	0.97413
5997.07	-108.342	1.81505	0.48761	0.58946	0.29692	0.87432	1.36257
6084.23	-108.673	1.15573	0.38318	0.435	0.62883	0.50367	0.59208
6172.85	-108.758	1.08762	0.54124	0.47418	0.45623	0.48913	0.46661
6262.57	-108.863	1.57936	0.29464	0.50043	1.03668	0.15936	1.02813
6353.76	-109.012	1.61431	0.84782	0.66709	0.49518	0.49358	0.9764
6446.04	-109.19	1.05275	0.71016	0.43954	0.43973	0.38325	0.26553
6539.79	-109.27	1.41485	0.54208	0.77813	0.55931	0.51622	0.72329
6635.01	-109.368	1.1121	0.58178	0.49264	0.2	0.54477	0.56465
6731.69	-109.429	2.23577	1.72691	1.08117	0.58818	0.36592	0.60635
6829.47	-109.652	1.768	0.69631	0.18676	0.90897	0.47266	1.24759
6928.71	-109.761	0.96558	0.35896	0.22072	0.80945	0.18266	0.2573
7029.42	-109.761	1.33818	0.22912	0.89324	0.79703	0.2289	0.5027
7131.59	-109.915	1.21706	0.45748	0.24762	0.7357	0.72142	0.38592
7235.23	-110.129	0.99679	0.53014	0.32783	0.38549	0.44844	0.50533
7340.33	-110.227	1.63024	0.83655	0.04619	0.45868	0.91706	0.95097
7447.27	-110.291	1.24255	0.85652	0.20745	0.21836	0.34957	0.77292
7555.66	-110.379	1.36897	0.91758	0.35039	0.49715	0.37188	0.7238
7665.53	-110.635	2.13951	1.46549	0.31087	1.38311	0.63048	0.15055
7776.86	-110.717	1.28244	0.12544	0.71807	0.88239	0.52846	0.23537
7890.01	-110.868	1.6805	0.85505	0.74097	0.27603	0.07317	1.20929
8004.64	-110.803	1.2654	0.56862	0.87856	0.54035	0.46267	
8121.09	-110.992	1.50815	0.7459	0.91899	0.91698	0.18097	
8239.38	-111.089	12.83351	0.37576	12.74991	1.0498	0.94608	
8359.13	-111.28	3.01209	0.7328	2.80287	0.57363	0.59209	
8480.71	-111.313	0.89258	0.47123	0.58516	0.36495	0.31473	
8604.13	-111.532	1.49234	0.49481	0.46174	0.66978	1.1491	
8729.37	-111.624	1.39307	0.04644	1.13075	0.35962	0.72841	
8856.45	-111.664	1.32943	0.91141	0.39887	0.74655	0.46935	
8985.35	-111.721	1.39044	1.08337	0.21006	0.58398	0.61196	

9116.09	-111.577	1.04264	0.50736	0.57117	0.39605	0.58871
9248.66	-111.852	1.105	0.77575	0.50553	0.29371	0.52669
9383.06	-112.124	1.95803	1.61577	0.25726	0.46684	0.96905
9519.65	-111.933	1.28246	0.76748	0.72072	0.63136	0.37097
9658.08	-110.492	1.17341	0.95396	0.60846	0.31087	
9798.71	-111.586	1.87975	1.18743	1.10595	0.94886	
9941.16	-112.764	1.41907	0.85157	0.9804	0.57218	
10085.82	-113.133	1.55285	0.84101	0.96704	0.87687	
10232.67	-113.419	1.96538	1.0268	0.83038	1.45563	
10381.35	-113.375	2.09873	1.77238	1.06817	0.34983	
10532.23	-112.963	1.45456	0.61234	0.94153	0.92428	
10685.3	-112.839	1.21042	0.69591	0.45186	0.88127	
10840.58	-113.278	1.61818	0.88829	0.62759	1.19816	
10998.41	-113.697	1.33717	1.30256	0.14058	0.26757	
11158.45	-113.889	1.23719	0.46118	0.4837	1.04115	
11320.68	-114.039	2.21417	1.39781	1.58325	0.66483	
11485.47	-114.2	0.97456	0.12789	0.36904	0.89287	
11652.47	-114.466	1.38063	0.85265	0.59128	0.91078	
11822.02	-114.539	2.18864	1.03975	1.49613	1.21271	
11994.14	-114.243	2.37255	0.79008	0.12251	2.23378	
12168.46	-114.483	1.27155	0.68611	1.07055		
12345.34	-114.856	0.84089	0.38642	0.74684		
12524.78	-115.037	2.06169	1.89644	0.80876		
12706.79	-115.237	1.5261	1.21366	0.92522		
12891.72	-115.477	0.81578	0.64512	0.49932		
13079.22	-115.533	2.11743	1.87354	0.9866		
13269.29	-115.777	1.44506	0.54109	1.33993		
13462.28	-115.768	1.60587	0.51946	1.51953		
13658.2	-115.798	1.92753	1.5628	1.12829		
13856.69	-115.735	1.3342	0.13099	1.32776		
14058.11	-115.958	2.70396	1.4212	2.30035		
14262.45	-116.284	2.37592	2.26318	0.72318		
14469.73	-116.366	2.69956	2.26213	1.47322		
14680.3	-116.306	1.39401	1.2631	0.58979		
14893.8	-116.249	1.2108	1.12078	0.45814		
15110.6	-116.362	3.25378	2.73526	1.76222		
15330.32	-116.376	1.8137	1.54703	0.94667		
15553.34	-116.667	1.54968	1.31245	0.82401		
15779.66	-116.671	1.89306	1.33995	1.33724		
16009.28	-116.82	0.60413	0.60413			
16242.19	-116.996	1.10861	1.10861			
16478.39	-117.088	1.85679	1.85679			
16717.89	-117.138	1.50695	1.50695			
16961.06	-117.326	1.62643	1.62643			
17207.89	-117.563	0.46718	0.46718			
17458.01	-117.454	0.38739	0.38739			
17711.79	-117.618	1.93019	1.93019			

17969.24	-117.788	1.02663	1.02663
18230.71	-117.89	1.36902	1.36902
18495.85	-118.104	2.04347	2.04347
18765.02	-117.935	1.79929	1.79929
19037.84	-118.088	0.85329	0.85329
19314.7	-118.262	2.28611	2.28611
19595.58	-118.199	0.85088	0.85088
19880.49	-118.472	0.99704	0.99704
20169.8	-118.56	0.20149	0.20149
20463.13	-118.626	2.1843	2.1843
20760.86	-119.004	2.51946	2.51946
21062.99	-119.159	2.38118	2.38118
21369.51	-119.319	0.16559	0.16559
21680.42	-119.791	1.37122	1.37122
21995.73	-120.563	2.14151	2.14151
22315.8	-122.368	1.90864	1.90864
22640.26	-124.22	3.23832	3.23832
22969.48	-126.954	2.0897	2.0897
23303.47	-131.568	1.46921	1.46921
23642.58	-138.218	8.49221	8.49221
23986.45	-147.387	59.35991	59.35991
24335.45	-145.244		
24689.57	-154.19		
25048.83	-144.178		