Abell 147

N	X	Y	α	δ	R_1	ϵ	θ	m_T	m_a
1	3423	2586	01 08 12.0	+02 11 50	33	0.17	6	12.9	15.1
2	2430	2605	01 09 18.3	+02 12 08	29	0.80	159	13.3	15.1
3	3035	2844	01 08 37.9	+02 16 08	25	0.32	98	13.4	15.1
4	4966	347	01 06 29.1	+01 34 31	19	0.03	61	13.9	15.1
5	1357	759	01 10 29.8	+01 41 22	16	0.40	107	14.0	15.1
6	4022	2534	01 07 32.1	+02 10 58	21	0.41	20	14.1	15.3
7	519	582	01 11 25.6	+01 38 26	17	0.37	8	14.1	15.2
8	4951	554	01 06 30.1	+01 37 58	15	0.07	118	14.1	15.1
9	171	2030	01 11 48.9	+02 02 33	18	0.41	175	14.2	15.5
10	4571	279	01 06 55.4	+01 33 23	15	0.06	92	14.3	15.2
11	2465	159	01 09 15.9	+01 31 23	14	0.03	119	14.3	15.2
12	3334	163	01 08 18.0	+01 31 26	14	0.05	69	14.3	15.1
13	4506	4629	01 06 59.7	+02 45 53	13	0.15	104	14.4	15.2
14	3878	2306	01 07 41.6	+02 07 10	15	0.19	148	14.4	15.3
15	3511	4617	01 08 06.2	+02 45 41	13	0.08	81	14.4	15.2
16	3385	2513	01 08 14.5	+02 10 37	16	0.07	99	14.5	15.3
17	4592	1680	01 06 54.0	+01 56 44	13	0.09	39	14.5	15.2
18	2875	148	01 08 48.5	+01 31 12	13	0.10	78	14.5	15.1
19	583	2029	01 11 21.5	+02 02 32	13	0.09	86	14.5	15.2
20	2503	237	01 09 13.4	+01 32 41	12	0.02	51	14.6	15.2
21	1298	358	01 10 33.7	+01 34 42	12	0.07	100	14.6	15.1
22	2257	1199	01 09 29.8	+01 48 43	14	0.56	39	14.6	15.4
23	606	4960	01 11 20.0	+02 51 23	13	0.07	176	14.6	15.3
24	3815	2462	01 07 45.8	+02 09 46	14	0.58	11	14.6	15.4
25	2801	3410	01 08 53.5	+02 25 34	13	0.03	116	14.7	15.2
26	399	3075	01 11 33.7	+02 19 58	11	0.08	59	14.7	15.3
27	541	4727	01 11 24.3	+02 47 30	13	0.04	63	14.7	15.3
28	938	4296	01 10 57.9	+02 40 19	11	0.05	114	14.8	15.3
29	3685	4822	01 07 54.5	+02 49 06	12	0.05	89	14.8	15.2
30	4212	2395	01 07 19.4	+02 08 38	13	0.46	91	14.8	15.4
31	3500	4609	01 08 06.9	+02 45 32	9	0.00	0	14.9	15.2
32	32	3822	01 11 58.3	+02 32 24	11	0.13	85	14.9	15.4
33	3079	2460	01 08 35.0	+02 09 43	10	0.26	52	15.1	15.6
34	4902	424	01 06 33.4	+01 35 48	12	0.41	130	15.1	15.7
35	3264	2138	01 08 22.7	+02 04 22	11	0.53	119	15.2	15.6
36	3831	858	01 07 44.8	+01 43 02	11	0.18	95	15.2	15.6
37	3478	4614	01 08 08.3	+02 45 38	9	0.04	73	15.2	15.4
38	572	3904	01 11 22.3	+02 33 47	11	0.11	96	15.2	15.6
39	572	3107	01 11 22.3	+02 20 30	12	0.45	117	15.2	15.7
40	3229	3112	01 08 25.0	+02 20 35	11	0.34	26	15.3	15.6
41	4008	2345	01 07 33.0	+02 07 49	14	0.74	172	15.3	15.9
42	1280	2288	01 10 35.0	+02 06 52	9	0.18	29	15.3	15.6
43	5139	1643	01 06 17.5	+01 56 06	14	0.94	85	15.4	16.2
44	1006	4105	01 10 53.3	+02 37 08	12	0.53	154	15.4	15.7
45	3387	100	01 08 14.4	+01 30 23	8	0.19	132	15.4	15.5
46	1592	1235	01 10 14.1	+01 49 19	9	0.55	104	15.4	15.7
47	3404	2503	01 08 13.3	+02 10 27	11	0.66	157	15.4	16.3
48	1321	2360	01 10 32.2	+02 08 04	9	0.32	1	15.5	15.7
49	3985	3325	01 07 34.5	+02 24 09	9	0.35	57	15.5	15.7
50	1592	464	01 10 14.1	+01 36 28	9	0.18	54	15.5	15.7
51	82	929	01 11 54.8	+01 44 12	9	0.14	9	15.5	15.8
52	3073	1673	01 08 35.3	+01 56 37	11	0.45	67	15.5	15.9
53	394	4413	01 11 34.2	+02 42 15	12	0.90	42	15.5	16.2
54	1207	3960	01 10 39.9	+02 34 44	8	0.60	60	15.5	15.8
55	2840	2430	01 08 50.9	+02 09 14	10	0.25	70	15.6	15.9
56	2152	2247	01 09 36.8	+02 06 10	12	0.53	38	15.6	16.1
57	2706	3600	01 08 59.9	+02 28 44	9	0.57	105	15.6	15.8
58	2216	2422	01 09 32.6	+02 09 05	9	0.18	0	15.6	15.8
59	4571	296	01 06 55.5	+01 33 40	8	0.16	17	15.6	15.7
60	3616	1634	01 07 59.2	+01 55 57	10	0.29	41	15.6	15.9
61	1000	2224	01 10 53.7	+02 05 47	10	0.24	147	15.7	16.1
62	4213	1513	01 07 19.3	+01 53 56	10	0.40	33	15.7	16.0
63	2435	2639	01 09 17.9	+02 12 43	10	0.61	86	15.7	16.5
64	4633	880	01 06 51.3	+01 43 24	7	0.12	51	15.7	15.7
65	4202	2072	01 07 20.0	+02 03 16	8	0.16	170	15.7	15.8
66	3158	4865	01 08 29.7	+02 49 48	9	0.14	171	15.7	15.9
67	3555	2499	01 08 03.2	+02 10 23	9	0.32	113	15.7	15.9
68	3774	1611	01 07 48.6	+01 55 34	10	0.23	79	15.7	16.0
69	1258	618	01 10 36.4	+01 39 01	8	0.08	134	15.7	15.8
70	3107	5008	01 08 33.1	+02 52 11	8	0.23	42	15.7	15.8
71	3262	2421	01 08 22.8	+02 09 05	10	0.55	54	15.7	16.0
72	3521	2613	01 08 05.4	+02 12 17	8	0.22	112	15.7	15.8
73	4011	2565	01 07 32.8	+02 11 28	11	0.46	53	15.8	15.9
74	3954	2061	01 07 36.6	+02 03 04	8	0.27	123	15.8	16.0
75	2422	2572	01 09 18.8	+02 11 35	8	0.59	138	15.8	15.9
76	3340	2537	01 08 17.5	+02 11 01	8	0.34	112	15.8	15.9
77	3149	3016	01 08 30.3	+02 19 00	7	0.22	172	15.8	15.8
78	3261	3562	01 08 22.8	+02 28 06	9	0.22	105	15.8	16.0
79	3752	1433	01 07 50.1	+01 52 37	8	0.34	66	15.8	15.9
80	4747	4836	01 06 43.6	+02 49 19	12	0.47	27	15.8	16.4
81	3086	4846	01 08 34.5	+02 49 29	8	0.27	97	15.9	15.9
82	3928	2803	01 07 38.3	+02 15 27	8	0.43	68	15.9	15.9
83	3201	5053	01 08 26.8	+02 52 57	7	0.53	153	15.9	15.9
84	1194	212	01 10 40.7	+01 32 15	9	0.31	98	15.9	16.2
85	4507	4854	01 06 59.7	+02 49 38	8	0.37	144	15.9	16.0
86	434	4960	01 11 31.5	+02 51 23	9	0.18	134	15.9	16.1
87	2736	2543	01 08 57.8	+02 11 07	10	0.41	2	15.9	16.1
88	2991	2101	01 08 40.9	+02 03 44	8	0.34	121	15.9	16.0
89	5119	1681	01 06 18.9	+01 56 45	8	0.04	105	15.9	15.9
90	421	4945	01 11 32.4	+02 51 07	10	0.14	175	15.9	16.4
91	1169	2870	01 10 42.4	+02 16 33	9	0.38	45	15.9	16.1
92	2135	5063	01 09 38.0	+02 53 07	11	0.75	97	15.9	16.4
93	3241	2659	01 08 24.2	+02 13 02	7	0.04	151	15.9	15.9
94	2384	4873	01 09 21.4	+02 49 56	7	0.57	78	16.0	16.0
95	3171	4864	01 08 28.8	+02 49 48	7	0.51	4	16.0	16.0
96	3301	4218	01 08 20.2	+02 39 02	7	0.17	81	16.0	16.0
97	2342	4184	01 09 24.2	+02 38 28	7	0.27	149	16.0	16.0
98	3495	3292	01 08 07.2	+02 23 36	7	0.23	52	16.0	16.0
99	3027	2398	01 08 38.4	+02 08 42	9	0.63	104	16.0	16.2
100	2945	1662	01 08 43.9	+01 56 25	8	0.36	25	16.0	16.1
101	4942	1052	01 06 30.7	+01 46 15	7	0.13	121	16.0	16.0
102	3623	2654	01 07 58.7	+02 12 58	8	0.53	86	16.0	16.1
103	3650	3723	01 07 56.9	+02 30 46	9	0.50	97	16.0	16.1
104	1479	3636	01 10 21.7	+02 29 20	12	0.23	179	16.0	16.4
105	658	1377	01 11 16.5	+01 51 40	7	0.87	90	16.0	16.1
106	3377	1968	01 08 15.1	+02 01 31	8	0.11	66	16.1	16.1
107	4249	1133	01 07 16.9	+01 47 36	7	0.29	62	16.1	16.1
108	3492	1917	01 08 07.4	+02 00 41	22	0.27	95	16.1	18.5
109	3040	3811	01 08 37.6	+02 32 14	9	0.76	50	16.1	16.3
110	14	1546	01 11 59.4	+01 54 28	9	0.12	151	16.1	16.3
111	1974	2644	01 09 48.7	+02 12 48	7	0.13	40	16.1	16.1
112	1986	1110	01 09 47.9	+01 47 14	7	0.03	49	16.1	16.1
113	1447	4869	01 10 23.9	+02 49 53	9	0.21	10	16.1	16.5
114	3705	2252	01 07 53.2	+02 06 16	8	0.39	46	16.1	16.2
115	5082	818	01 06 21.4	+01 42 21	8	0.57	168	16.1	16.2
116	3292	3829	01 08 20.8	+02 32 33	7	0.22	8	16.1	16.2
117	4111	2258	01 07 26.1	+02 06 22	8	0.43	118	16.2	16.2
118	103	3933	01 11 53.6	+02 34 16	8	0.07	102	16.2	16.3
119	3142	3471	01 08 30.8	+02 26 35	8	0.46	134	16.2	16.2
120	1471	4912	01 10 22.3	+02 50 35	6	0.23	169	16.2	16.1
121	125	952	01 11 51.9	+01 44 35	7	0.25	31	16.2	16.2
122	773	3866	01 11 08.9	+02 33 09	12	0.53	1	16.2	16.4
123	3150	477	01 08 30.2	+01 36 41	9	0.47	29	16.2	16.3
124	3694	2979	01 07 53.9	+02 18 22	6	0.05	61	16.2	16.1
125	3137	466	01 08 31.1	+01 36 30	7	0.32	84	16.2	16.2
126	2663	2775	01 09 02.7	+02 14 59	8	0.57	102	16.2	16.5
127	3762	4406	01 07 49.4	+02 42 10	7	0.66	145	16.2	16.2
128	3997	338	01 07 33.7	+01 34 22	8	0.41	18	16.2	16.3
129	2457	2624	01 09 16.5	+02 12 28	8	0.58	123	16.2	16.5
130	3221	4798	01 08 25.5	+02 48 42	7	0.09	102	16.2	16.2
131	0	1355	01 12 00.3	+01 51 17	7	0.00	94	16.2	16.2
132	3442	2552	01 08 10.8	+02 11 16	8	0.54	113	16.2	16.6
133	442	4538	01 11 30.9	+02 44 21	7	0.35	152	16.3	16.2
134	4552	277	01 06 56.7	+01 33 21	7	1.00	0	16.3	16.3
135	3409	4522	01 08 12.9	+02 44 06	8	0.63	159	16.3	16.4

136	3694	3205	01 07 53.9	+02 22 08	6	0.09	24	16.3	16.2
137	4128	3056	01 07 25.0	+02 19 39	13	0.76	49	16.3	17.0
138	2953	1674	01 08 43.4	+01 56 37	6	0.14	22	16.3	16.2
139	4149	2448	01 07 23.6	+02 09 32	8	0.16	82	16.3	16.3
140	2192	2573	01 09 34.1	+02 11 37	7	0.32	78	16.3	16.3
141	4700	1414	01 06 46.8	+01 52 18	8	0.13	21	16.3	16.4
142	876	124	01 11 01.8	+01 30 47	7	0.20	151	16.3	16.3
143	3199	2766	01 08 27.0	+02 14 49	8	0.50	81	16.3	16.4
144	996	5226	01 10 54.0	+02 55 49	8	0.85	79	16.3	16.5
145	5008	3347	01 06 26.2	+02 24 31	8	0.31	3	16.3	16.4
146	2022	4714	01 09 45.5	+02 47 17	7	0.34	146	16.3	16.3
147	2968	2439	01 08 42.4	+02 09 22	7	0.06	168	16.3	16.3
148	2418	1486	01 09 19.1	+01 53 30	8	0.24	57	16.3	16.5
149	3316	2957	01 08 19.2	+02 18 00	7	0.25	157	16.3	16.3
150	2674	4922	01 09 02.0	+02 50 45	7	0.46	59	16.3	16.4
151	1841	1534	01 09 57.6	+01 54 17	7	0.04	78	16.4	16.3
152	2009	3269	01 09 46.4	+02 23 12	7	0.21	39	16.4	16.4
153	3249	3026	01 08 23.6	+02 19 09	9	0.23	52	16.4	16.5
154	3070	2834	01 08 35.6	+02 15 57	5	0.34	61	16.4	16.2
155	194	2589	01 11 47.4	+02 11 52	7	0.09	164	16.4	16.4
155	194	2589	01 11 47.4	+02 11 52	7	0.09	164	16.4	16.4

Abell 260

N	X	Y	α	δ	R_1	ϵ	θ	m_T	m_a
1	1002	694	01 50 42.8	+33 04 58	23	0.16	89	12.7	13.6
2	491	510	01 51 23.5	+33 01 54	21	0.22	151	13.0	13.9
3	1177	985	01 50 28.8	+33 09 48	9	0.14	25	13.1	13.6
4	1199	14	01 50 27.4	+32 53 37	6	0.18	37	13.4	13.3
5	364	1177	01 51 33.6	+33 13 02	15	0.27	5	13.5	14.1
6	891	731	01 50 51.7	+33 05 35	17	0.19	139	13.5	14.2
7	1139	569	01 50 32.0	+33 02 53	10	0.09	30	13.9	14.2
8	1202	281	01 50 27.1	+32 58 04	7	0.54	100	13.9	13.9
9	1572	179	01 49 57.7	+32 56 21	6	0.17	37	14.0	13.8
10	1513	231	01 50 02.4	+32 57 13	11	0.15	69	14.0	14.3
11	1025	968	01 50 41.0	+33 09 32	12	0.67	123	14.1	14.6
12	1093	503	01 50 35.7	+33 01 47	12	0.11	3	14.1	14.4
13	680	157	01 51 08.5	+32 56 02	13	0.05	104	14.2	14.5
14	1351	1329	01 50 14.9	+33 15 32	7	0.05	172	14.2	14.2
15	1097	488	01 50 35.3	+33 01 31	9	0.24	38	14.3	14.7
16	519	1069	01 51 21.3	+33 11 14	11	0.08	153	14.3	14.7
17	1239	409	01 50 24.1	+33 00 12	11	0.10	37	14.3	14.8
18	1097	1200	01 50 35.1	+33 13 24	13	0.54	111	14.4	14.9
19	1491	1869	01 50 03.6	+33 24 31	10	0.24	132	14.4	14.7
20	1290	957	01 50 19.9	+33 09 20	12	0.22	26	14.5	14.9
21	778	32	01 51 00.8	+32 53 56	11	0.42	176	14.6	14.9
22	1557	456	01 49 58.8	+33 00 58	9	0.39	29	14.6	14.8
23	1026	992	01 50 40.9	+33 09 55	10	0.62	100	14.7	15.0
24	1657	1578	01 49 50.4	+33 19 39	11	0.53	6	14.8	15.1
25	816	244	01 50 57.8	+32 57 28	9	0.41	45	14.9	15.0
26	1029	960	01 50 40.7	+33 09 23	5	0.46	29	14.9	14.6
27	752	596	01 51 02.8	+33 03 20	9	0.06	58	14.9	15.1
28	1083	771	01 50 36.4	+33 06 14	6	0.32	119	14.9	14.8
29	560	1422	01 51 17.9	+33 17 07	7	0.77	140	14.9	14.9
30	623	674	01 51 13.0	+33 04 38	8	0.15	56	14.9	15.0
31	1121	668	01 50 33.4	+33 04 31	7	0.30	87	15.0	15.0
32	1732	1083	01 49 44.6	+33 11 23	12	0.76	124	15.0	15.4
33	1680	1343	01 49 48.7	+33 15 44	8	0.11	86	15.1	15.1
34	210	1408	01 51 45.9	+33 16 53	8	0.16	85	15.1	15.1
35	615	513	01 51 13.7	+33 01 57	8	0.39	148	15.1	15.2
36	550	1423	01 51 18.8	+33 17 07	6	0.62	103	15.1	15.0
37	174	1148	01 51 48.7	+33 12 33	9	0.14	151	15.1	15.3
38	1620	1100	01 49 53.6	+33 11 41	8	0.25	31	15.1	15.3
39	33	1330	01 52 00.0	+33 15 35	8	0.14	91	15.2	15.3
40	1692	449	01 49 48.1	+33 00 50	6	0.38	149	15.2	15.1
41	1786	946	01 49 40.4	+33 09 07	8	0.63	37	15.2	15.3
42	579	770	01 51 16.5	+33 06 14	8	0.22	50	15.2	15.3
43	1625	1094	01 49 53.1	+33 11 35	7	0.00	0	15.2	15.3
44	1396	1585	01 50 11.2	+33 19 47	8	0.16	89	15.3	15.4
45	535	444	01 51 20.0	+33 00 49	6	0.36	126	15.3	15.3
46	1075	821	01 50 37.0	+33 07 04	9	0.21	35	15.3	15.7
47	1198	960	01 50 27.2	+33 09 23	7	0.32	0	15.4	15.4
48	312	681	01 51 37.8	+33 04 46	7	0.27	141	15.4	15.4
49	475	496	01 51 24.8	+33 01 41	5	0.15	57	15.4	14.6
50	92	670	01 51 55.3	+33 04 35	8	0.10	148	15.5	15.6
51	1773	907	01 49 41.4	+33 08 27	8	0.22	27	15.5	15.6
52	1067	545	01 50 37.7	+33 02 29	7	0.41	133	15.6	15.6
53	27	1340	01 52 00.4	+33 15 45	5	0.55	19	15.6	15.4
54	1223	1532	01 50 25.0	+33 18 55	7	0.38	62	15.6	15.7
55	852	246	01 50 54.9	+32 57 30	8	0.25	144	15.6	15.7
56	922	1431	01 50 49.1	+33 17 15	9	0.10	45	15.6	15.9
57	1642	352	01 49 52.1	+32 59 13	8	0.09	13	15.6	15.8
58	835	714	01 50 56.1	+33 05 18	6	0.18	37	15.7	15.6
59	1013	736	01 50 41.9	+33 05 40	5	0.28	56	15.7	15.3
60	269	1707	01 51 41.1	+33 21 52	7	0.67	114	15.7	15.7
61	752	1303	01 51 02.7	+33 15 07	7	0.27	132	15.7	15.7
62	1180	1047	01 50 28.6	+33 10 50	9	0.25	109	15.7	15.9
63	876	226	01 50 52.9	+32 57 10	7	0.41	168	15.7	15.7
64	509	497	01 51 22.1	+33 01 42	9	0.10	153	15.7	16.0
65	208	1071	01 51 46.1	+33 11 16	9	0.46	72	15.7	16.0

66	947	1122	01 50 47.1	+33 12 05	7	0.30	115	15.7	15.7
67	1522	416	01 50 01.6	+33 00 18	8	0.58	177	15.7	15.9
68	371	1238	01 51 33.0	+33 14 03	7	0.32	172	15.8	15.8
69	0	788	01 52 02.6	+33 06 33	7	0.12	163	15.8	15.8
70	114	1651	01 51 53.5	+33 20 56	6	0.07	17	15.8	15.7
71	523	663	01 51 21.0	+33 04 28	6	0.38	92	15.8	15.8
72	64	836	01 51 57.5	+33 07 21	8	0.20	109	15.8	15.9
73	273	53	01 51 40.9	+32 54 18	8	0.59	5	15.9	16.0
74	862	244	01 50 54.0	+32 57 28	5	0.49	32	15.9	15.5
75	1737	1854	01 49 43.9	+33 24 15	9	0.25	14	15.9	16.2
76	196	0	01 51 47.0	+32 53 24	7	0.07	77	15.9	15.9
77	96	52	01 51 54.9	+32 54 17	7	0.61	132	15.9	16.0
78	1506	531	01 50 02.8	+33 02 13	7	0.07	37	15.9	16.0
79	121	1691	01 51 53.0	+33 21 36	6	0.38	75	15.9	15.8
80	197	762	01 51 46.9	+33 06 07	8	0.43	168	16.0	16.1
81	1130	1892	01 50 32.4	+33 24 55	6	0.05	66	16.0	15.8
82	522	610	01 51 21.1	+33 03 35	8	0.22	14	16.0	16.2
83	1805	764	01 49 39.0	+33 06 04	9	0.52	63	16.0	16.2
84	561	1442	01 51 17.8	+33 17 27	5	0.29	20	16.0	15.8
85	1752	802	01 49 43.2	+33 06 42	7	0.19	89	16.1	16.1
85	1752	802	01 49 43.2	+33 06 42	7	0.19	89	16.1	16.1

Abell 272

N	X	Y	α	δ	R_1	ϵ	θ	m_T	m_a
1	1537	1636	01 53 34.8	+34 05 47	10	0.04	77	11.9	12.9
2	1584	1035	01 53 31.3	+33 55 45	8	0.15	82	12.5	13.3
3	272	885	01 55 16.6	+33 53 18	9	0.15	132	12.9	13.9
4	1262	1542	01 53 57.0	+34 04 14	6	0.11	166	13.5	14.1
5	187	0	01 55 23.5	+33 38 33	6	0.19	93	14.0	14.5
6	1051	1522	01 54 13.9	+34 03 55	4	0.39	141	14.0	14.4
7	347	914	01 55 10.6	+33 53 48	12	0.30	146	14.7	15.9
8	608	9	01 54 49.7	+33 38 43	11	0.19	114	14.7	15.9
9	400	1048	01 55 06.4	+33 56 02	8	0.12	143	15.2	15.9
10	1419	1424	01 53 44.4	+34 02 16	8	0.70	108	15.3	16.2
11	1187	1868	01 54 02.9	+34 09 41	7	0.23	27	15.3	15.9
12	1807	738	01 53 13.5	+33 50 48	8	0.72	52	15.4	16.1
13	71	86	01 55 32.7	+33 39 59	6	0.29	38	15.4	15.9
14	1188	240	01 54 03.3	+33 42 32	7	0.44	132	15.5	16.1
15	1152	852	01 54 06.0	+33 52 44	7	0.31	105	15.6	16.2
16	818	650	01 54 32.8	+33 49 23	7	0.26	61	15.6	16.3
17	416	1060	01 55 05.1	+33 56 14	7	0.13	173	15.6	16.3
18	310	863	01 55 13.6	+33 52 56	8	0.13	88	15.7	16.4
19	647	1342	01 54 46.5	+34 00 55	7	0.35	161	15.7	16.4
20	1227	1687	01 53 59.8	+34 06 39	7	0.75	164	15.8	16.4
21	1329	1487	01 53 51.6	+34 03 18	5	0.21	45	15.8	16.2
22	868	1277	01 54 28.7	+33 59 50	7	0.20	152	15.8	16.5
23	1144	1810	01 54 06.4	+34 08 42	7	0.09	153	15.9	16.4
24	1233	1701	01 53 59.3	+34 06 53	7	0.35	56	15.9	16.5
25	637	1322	01 54 47.3	+34 00 35	7	0.17	165	15.9	16.5
26	192	733	01 55 23.1	+33 50 47	6	0.12	134	15.9	16.4
27	282	1077	01 55 15.8	+33 56 30	7	0.19	94	15.9	16.5
28	365	874	01 55 09.2	+33 53 08	4	0.47	26	15.9	14.6
29	559	384	01 54 53.7	+33 44 58	5	1.00	90	15.9	16.3
30	725	803	01 54 40.3	+33 51 57	7	0.29	51	15.9	16.6
31	904	1067	01 54 25.9	+33 56 20	7	0.37	172	16.0	16.6
32	578	1647	01 54 52.0	+34 06 01	6	0.04	155	16.0	16.6
33	187	770	01 55 23.5	+33 51 24	7	0.23	174	16.0	16.6
34	432	1041	01 55 03.8	+33 55 54	6	0.24	42	16.0	16.5
35	827	388	01 54 32.2	+33 45 01	7	0.29	121	16.0	16.6
36	227	1389	01 55 20.2	+34 01 42	6	0.27	10	16.1	16.6
37	944	919	01 54 22.7	+33 53 52	6	0.35	171	16.1	16.7
38	298	1765	01 55 14.6	+34 07 59	8	0.72	153	16.1	16.9
39	1300	1801	01 53 53.9	+34 08 33	6	0.35	58	16.2	16.8
40	0	512	01 55 38.5	+33 47 05	6	0.15	136	16.2	16.7
41	313	1308	01 55 13.4	+34 00 22	6	0.14	24	16.2	16.7
42	321	845	01 55 12.7	+33 52 38	7	0.14	174	16.2	16.8
43	168	681	01 55 25.0	+33 49 55	6	0.31	128	16.2	16.8
44	1675	1705	01 53 23.7	+34 06 55	7	0.64	3	16.3	16.9
45	448	457	01 55 02.5	+33 46 10	8	0.38	135	16.3	16.9
46	1355	98	01 53 49.9	+33 40 10	6	0.21	61	16.3	16.9
47	388	963	01 55 07.3	+33 54 37	6	0.22	8	16.3	16.8
48	1254	1409	01 53 57.6	+34 02 01	7	0.24	40	16.3	16.9
49	164	1650	01 55 25.4	+34 06 04	6	0.18	80	16.4	16.9
50	492	1815	01 54 58.9	+34 08 48	6	0.15	127	16.4	16.9
51	1824	368	01 53 12.2	+33 44 38	7	0.37	158	16.4	17.0
52	992	1129	01 54 18.8	+33 57 22	6	0.10	109	16.4	16.9
53	322	405	01 55 12.7	+33 45 19	6	0.49	172	16.4	17.0
54	1022	1360	01 54 16.3	+34 01 13	7	0.48	126	16.4	17.1
55	283	1651	01 55 15.8	+34 06 04	6	0.25	131	16.4	17.0
56	314	1245	01 55 13.3	+33 59 19	5	0.19	21	16.4	16.9
57	1593	651	01 53 30.6	+33 49 21	6	0.20	40	16.5	17.0
58	130	1138	01 55 28.1	+33 57 32	7	0.36	92	16.5	17.1
58	130	1138	01 55 28.1	+33 57 32	7	0.36	92	16.5	17.1

Abell 278

N	X	Y	α	δ	R_1	ϵ	θ	m_T	m_a
1	1414	864	01 57 16.2	+32 14 52	11	0.00	90	14.6	14.8
2	1314	885	01 57 24.1	+32 15 13	9	0.21	46	14.7	14.8
3	411	211	01 58 35.1	+32 03 57	12	0.48	12	14.8	15.2
4	1347	748	01 57 21.5	+32 12 56	12	0.17	94	14.9	15.3
5	258	1121	01 58 47.4	+32 19 07	5	0.07	84	14.9	14.4
6	1409	885	01 57 16.6	+32 15 13	8	0.35	162	15.0	15.1
7	1403	1129	01 57 17.1	+32 19 17	9	0.33	70	15.1	15.3
8	276	555	01 58 45.8	+32 09 40	6	0.45	146	15.1	15.1
9	1420	877	01 57 15.7	+32 15 04	6	0.16	129	15.1	15.1
10	1806	346	01 56 45.4	+32 06 13	9	0.11	88	15.2	15.4
11	1503	1155	01 57 09.2	+32 19 43	9	0.29	160	15.2	15.5
12	596	114	01 58 20.6	+32 02 21	7	0.66	113	15.4	15.5
13	1262	736	01 57 28.2	+32 12 44	10	0.06	71	15.4	15.6
14	1156	778	01 57 36.6	+32 13 26	8	0.40	70	15.5	15.5
15	1017	1465	01 57 47.6	+32 24 53	13	0.32	64	15.5	16.2
16	1259	470	01 57 28.5	+32 08 18	8	0.16	61	15.5	15.5
17	1141	641	01 57 37.7	+32 11 08	10	0.36	67	15.5	15.9
18	1487	786	01 57 10.4	+32 13 33	8	0.13	121	15.6	15.7
19	1271	747	01 57 27.5	+32 12 54	7	0.13	9	15.6	15.7
20	984	818	01 57 50.1	+32 14 06	7	0.23	129	15.7	15.7
21	253	720	01 58 47.7	+32 12 26	8	0.13	99	15.7	15.8
22	1783	126	01 56 47.2	+32 02 34	9	0.50	117	15.7	15.9
23	1474	937	01 57 11.5	+32 16 05	7	0.11	73	15.7	15.7
24	1464	867	01 57 12.3	+32 14 54	8	0.06	36	15.7	15.8
25	707	188	01 58 11.9	+32 03 35	5	0.46	19	15.8	15.6
26	696	1631	01 58 13.0	+32 27 38	7	0.05	27	15.8	15.8
27	1429	1025	01 57 15.1	+32 17 33	8	0.18	62	15.8	15.9
28	1350	855	01 57 21.3	+32 14 43	8	0.24	90	15.9	16.0
29	1334	1679	01 57 22.6	+32 28 26	6	0.09	55	15.9	15.9
30	231	1551	01 58 49.7	+32 26 16	5	0.20	87	15.9	15.8
31	1336	246	01 57 22.4	+32 04 34	10	0.49	107	15.9	16.2
32	1390	1440	01 57 18.1	+32 24 28	6	0.17	44	15.9	15.9
33	1337	713	01 57 22.3	+32 12 20	7	0.08	21	16.0	16.0
34	1334	1628	01 57 22.5	+32 27 36	8	0.19	98	16.0	16.0
35	1398	857	01 57 17.5	+32 14 44	7	0.00	90	16.0	16.0
36	100	710	01 58 59.8	+32 12 16	7	0.09	114	16.0	16.0
37	1765	1481	01 56 48.5	+32 25 08	6	0.46	173	16.1	16.0
38	385	1714	01 58 37.5	+32 29 00	6	0.09	102	16.1	16.0
39	1289	505	01 57 26.1	+32 08 52	12	0.54	135	16.1	16.6
40	776	731	01 58 06.5	+32 12 38	6	0.15	177	16.1	16.0
41	1198	367	01 57 33.3	+32 06 34	7	0.50	83	16.1	16.1
42	641	841	01 58 17.2	+32 14 28	8	0.35	134	16.1	16.2
43	1781	1814	01 56 47.2	+32 30 42	7	0.08	100	16.1	16.2
44	1126	1348	01 57 38.9	+32 22 56	6	0.09	14	16.2	16.1
45	1112	74	01 57 39.9	+32 01 42	9	0.29	101	16.2	16.4
46	275	703	01 58 46.0	+32 12 08	6	0.18	128	16.2	16.2
47	1331	871	01 57 22.8	+32 14 59	9	0.15	28	16.2	16.4
48	808	1645	01 58 04.1	+32 27 52	8	0.27	92	16.2	16.2
49	41	1047	01 59 04.6	+32 17 52	4	0.52	73	16.3	15.7
50	1702	1564	01 56 53.5	+32 26 32	8	0.13	35	16.3	16.3
51	346	1243	01 58 40.5	+32 21 09	6	0.16	176	16.3	16.3
52	186	1356	01 58 53.1	+32 23 01	7	0.05	151	16.3	16.3
53	1638	44	01 56 58.6	+32 01 12	7	0.38	159	16.3	16.3
54	1630	228	01 56 59.2	+32 04 16	5	0.21	20	16.3	16.1
55	1127	389	01 57 38.8	+32 06 57	6	0.28	32	16.4	16.3
56	1686	1524	01 56 54.8	+32 25 52	8	0.38	166	16.4	16.5
57	315	967	01 58 42.9	+32 16 33	4	0.33	161	16.4	15.9
58	1171	480	01 57 35.3	+32 08 27	5	0.03	137	16.4	16.3
59	1625	796	01 56 59.6	+32 13 43	8	0.13	127	16.4	16.6
60	1191	946	01 57 33.8	+32 16 13	7	0.24	132	16.5	16.5
61	683	1282	01 58 13.9	+32 21 49	9	0.63	146	16.5	16.6
62	1239	436	01 57 30.0	+32 07 43	7	0.22	122	16.5	16.5
63	1845	1774	01 56 42.2	+32 30 02	6	0.16	47	16.5	16.4
64	0	1244	01 59 07.9	+32 21 08	6	0.38	12	16.5	16.4
65	1513	930	01 57 08.4	+32 15 58	7	0.47	71	16.5	16.5
66	191	757	01 58 52.6	+32 13 03	6	0.32	24	16.6	16.5
67	1402	942	01 57 17.2	+32 16 09	7	0.24	117	16.6	16.5
68	1137	923	01 57 38.1	+32 15 50	6	0.12	174	16.6	16.4
69	1058	437	01 57 44.3	+32 07 44	6	0.09	74	16.6	16.5
70	1647	1068	01 56 57.8	+32 18 16	7	0.35	164	16.6	16.6
71	1427	303	01 57 15.2	+32 05 30	6	0.12	158	16.6	16.6
72	1735	1380	01 56 50.9	+32 23 27	6	0.10	11	16.6	16.5
73	1088	1346	01 57 42.0	+32 22 53	6	0.16	132	16.6	16.5
74	1023	19	01 57 47.0	+32 00 47	6	0.34	97	16.6	16.5
75	116	1099	01 58 58.6	+32 18 44	7	0.31	157	16.6	16.6
76	1730	1846	01 56 51.2	+32 31 13	7	0.33	52	16.6	16.6
77	1210	137	01 57 32.3	+32 02 44	7	0.22	15	16.6	16.6
78	1680	1018	01 56 55.3	+32 17 26	6	0.08	89	16.7	16.6
79	1429	548	01 57 15.1	+32 09 36	7	0.42	172	16.7	16.7
80	953	151	01 57 52.5	+32 02 59	7	0.54	112	16.7	16.7
81	1064	1607	01 57 43.8	+32 27 14	7	0.11	82	16.7	16.7
82	1167	1050	01 57 35.7	+32 17 57	7	0.21	24	16.7	16.7
83	771	824	01 58 06.9	+32 14 11	6	0.15	52	16.7	16.6
84	1518	1828	01 57 08.0	+32 30 55	6	0.18	23	16.8	16.7
85	1015	1704	01 57 47.8	+32 28 51	7	0.27	120	16.8	16.7
86	725	1396	01 58 10.6	+32 23 43	4	0.20	139	16.8	16.4
87	1584	1144	01 57 02.8	+32 19 31	8	0.56	76	16.8	16.9
88	1640	200	01 56 58.4	+32 03 48	5	0.22	172	16.8	16.6
89	94	150	01 59 00.1	+32 02 55	6	0.29	160	16.8	16.6
90	1233	1415	01 57 30.5	+32 24 03	6	0.52	86	16.8	16.7
91	1077	1581	01 57 42.9	+32 26 49	7	0.29	130	16.8	16.8
92	1774	881	01 56 47.9	+32 15 08	8	0.51	1	16.8	16.9
93	681	880	01 58 14.0	+32 15 07	6	0.49	141	16.8	16.7
94	1640	91	01 56 58.5	+32 01 59	6	0.22	84	16.8	16.8
95	1689	926	01 56 54.5	+32 15 54	7	0.08	116	16.9	16.9
96	746	1907	01 58 09.0	+32 32 14	5	0.21	46	16.9	16.6
97	1239	608	01 57 30.0	+32 10 36	7	0.20	40	16.9	16.9
98	1372	1540	01 57 19.6	+32 26 07	7	0.34	87	16.9	17.0
99	542	1040	01 58 25.0	+32 17 46	7	0.67	93	16.9	17.0
100	1886	1399	01 56 38.9	+32 23 46	7	0.14	10	16.9	17.0
101	1424	687	01 57 15.5	+32 11 54	6	0.20	29	16.9	16.9
102	1515	914	01 57 08.3	+32 15 42	6	0.08	91	17.0	16.9
103	1433	693	01 57 14.7	+32 12 01	6	0.43	139	17.0	16.9
104	120	37	01 58 58.0	+32 01 02	5	0.20	25	17.0	16.9
105	1347	1431	01 57 21.6	+32 24 19	6	0.10	0	17.0	16.9
106	1122	1051	01 57 39.3	+32 17 58	6	0.27	73	17.0	16.8
107	229	1077	01 58 49.7	+32 18 23	5	0.54	3	17.0	16.9
108	554	263	01 58 23.9	+32 04 50	7	0.37	162	17.1	17.1
109	1386	1631	01 57 18.4	+32 27 38	7	0.32	22	17.1	17.1
110	1032	730	01 57 46.3	+32 12 38	6	0.39	165	17.1	17.0
111	131	47	01 58 57.1	+32 01 12	5	0.24	66	17.1	16.9
112	1488	680	01 57 10.4	+32 11 48	6	0.26	100	17.1	17.0
113	407	655	01 58 35.6	+32 11 21	6	0.32	97	17.1	17.0
114	1760	540	01 56 49.0	+32 09 27	6	0.09	88	17.1	17.0
115	674	1038	01 58 14.6	+32 17 45	5	0.20	8	17.1	17.0
116	1010	1209	01 57 48.1	+32 20 36	6	0.22	34	17.1	17.0
117	478	1073	01 58 30.1	+32 18 19	6	0.33	143	17.1	17.1
118	932	1764	01 57 54.3	+32 29 52	6	0.29	9	17.1	17.1
119	1489	934	01 57 10.3	+32 16 01	4	0.44	27	17.2	16.2
120	1065	216	01 57 43.7	+32 04 04	6	0.28	12	17.2	17.1
121	1738	688	01 56 50.7	+32 11 56	6	0.19	123	17.2	17.1
122	391	1825	01 58 37.1	+32 30 51	6	0.05	153	17.2	17.2
123	207	1154	01 58 51.4	+32 19 39	5	0.03	120	17.2	16.7
124	1814	387	01 56 44.7	+32 06 54	4	0.56	0	17.2	16.1
125	655	1418	01 58 16.1	+32 24 04	5	1.00	90	17.2	16.9
126	1419	540	01 57 15.8	+32 09 27	6	0.48	27	17.3	17.2
127	1226	955	01 57 31.1	+32 16 23	5	0.36	23	17.3	17.3
128	1699	1026	01 56 53.7	+32 17 33	6	0.52	105	17.3	17.2
129	1839	1751	01 56 42.7	+32 29 38	7	0.38	67	17.3	17.2
130	1299	773	01 57 25.3	+32 13 20	5	0.39	155	17.3	17.2
131	1580	1721	01 57 03.1	+32 29 08	5	0.02	44	17.3	16.9
132	1506	221	01 57 09.0	+32 04 08	6	0.22	99	17.3	17.2
133	1356	377	01 57 20.8	+32 06 45	6	0.48	167	17.3	17.2
134	750	1390	01 58 08.7	+32 23 37	5	0.21	35	17.3	17.1
135	516	1586	01 58 27.2	+32 26 52	6	0.27	119	17.3	17.2

136	680	1822	01 58 14.3	+32 30 49	5	0.22	128	17.3	17.2
137	717	1	01 58 11.0	+32 00 28	5	0.17	145	17.3	17.1
138	741	862	01 58 09.3	+32 14 49	6	0.15	88	17.3	17.2
139	391	1819	01 58 37.1	+32 30 45	6	0.22	91	17.3	17.3
140	176	1179	01 58 53.9	+32 20 04	6	0.65	12	17.3	17.1
141	1730	1774	01 56 51.3	+32 30 02	4	0.24	14	17.3	17.1
142	788	1839	01 58 05.7	+32 31 06	5	0.40	117	17.3	17.1
143	438	1618	01 58 33.3	+32 27 24	6	0.34	57	17.3	17.3
144	999	1470	01 57 49.0	+32 24 57	5	0.41	122	17.4	16.5
145	261	1250	01 58 47.2	+32 21 16	6	0.18	152	17.4	17.4
146	315	640	01 58 42.8	+32 11 06	6	0.41	178	17.5	17.3
147	1551	1889	01 57 05.4	+32 31 57	6	0.43	128	17.5	17.4
148	1464	1329	01 57 12.3	+32 22 36	5	0.03	2	17.5	17.2
149	876	166	01 57 58.5	+32 03 13	5	0.68	72	17.5	17.2
150	1566	186	01 57 04.3	+32 03 34	5	0.15	163	17.5	17.3
151	1315	506	01 57 24.0	+32 08 54	7	0.68	5	17.5	17.6
152	1726	316	01 56 51.6	+32 05 43	5	0.55	165	17.6	17.2
153	1404	1714	01 57 17.0	+32 29 01	5	0.38	101	17.6	17.3
154	1495	1198	01 57 09.9	+32 20 26	5	0.36	119	17.6	17.2
155	1269	1843	01 57 27.7	+32 31 10	5	0.42	12	17.6	17.4
156	1264	696	01 57 28.0	+32 12 04	5	0.37	100	17.6	17.2
157	1873	1025	01 56 40.0	+32 17 32	5	0.33	113	17.6	17.3
158	1732	324	01 56 51.2	+32 05 51	5	1.00	0	17.7	17.3
159	1227	981	01 57 31.0	+32 16 48	6	0.29	32	17.7	17.6
160	1005	704	01 57 48.5	+32 12 11	7	0.43	140	17.7	17.7
161	482	1086	01 58 29.8	+32 18 33	4	0.14	145	17.7	17.3
162	729	1117	01 58 10.3	+32 19 04	5	0.26	76	17.7	17.5
163	384	308	01 58 37.3	+32 05 34	4	0.00	0	17.7	17.0
164	1211	1933	01 57 32.3	+32 32 41	4	0.33	7	17.7	17.3
165	45	1733	01 59 04.4	+32 29 18	6	0.86	91	17.7	17.5
166	673	1508	01 58 14.8	+32 25 35	5	0.60	39	17.7	17.3
167	1941	1800	01 56 34.6	+32 30 27	5	0.24	175	17.7	17.5
168	761	1676	01 58 07.8	+32 28 23	6	0.21	43	17.8	17.6
169	1317	0	01 57 23.9	+32 00 27	5	0.52	116	17.8	17.6
170	1498	962	01 57 09.6	+32 16 29	5	0.57	29	17.8	17.3
171	548	1587	01 58 24.6	+32 26 53	5	0.24	134	17.8	17.5
172	1607	1517	01 57 00.9	+32 25 45	4	0.48	120	17.8	17.5
173	1819	911	01 56 44.3	+32 15 38	5	0.67	15	17.8	17.3
174	435	156	01 58 33.3	+32 03 03	5	0.28	135	17.9	17.5
175	1420	837	01 57 15.8	+32 14 24	5	0.00	90	17.9	18.6
176	1656	1312	01 56 57.1	+32 22 19	4	0.53	110	17.9	17.5
176	1656	1312	01 56 57.1	+32 22 19	4	0.53	110	17.9	17.5

Abell 1661

N	X	Y	α	δ	R_1	ϵ	θ	m_T	m_a
1	437	1144	13 01 42.4	+29 04 47	12	0.66	3	15.1	16.1
2	692	893	13 01 23.0	+29 00 37	7	0.08	10	15.2	15.3
3	788	924	13 01 15.6	+29 01 07	8	0.22	0	15.5	15.9
4	687	1115	13 01 23.3	+29 04 19	9	0.62	29	15.7	16.1
5	135	1263	13 02 05.4	+29 06 46	6	0.12	123	15.8	15.8
6	1157	1100	13 00 47.4	+29 04 02	11	0.16	105	15.9	16.7
7	227	1236	13 01 58.4	+29 06 19	7	0.07	162	15.9	16.1
8	384	1132	13 01 46.5	+29 04 35	10	0.43	92	16.0	16.6
9	497	812	13 01 37.8	+28 59 15	6	0.16	39	16.0	16.2
10	815	1125	13 01 13.6	+29 04 28	7	0.71	162	16.1	16.2
11	868	1094	13 01 09.5	+29 03 57	9	0.50	55	16.2	16.7
12	993	110	13 01 00.1	+28 47 33	9	0.30	52	16.2	16.6
13	142	967	13 02 04.9	+29 01 51	6	0.47	68	16.3	16.3
14	382	1171	13 01 46.6	+29 05 14	6	0.23	63	16.3	16.3
15	38	820	13 02 12.8	+28 59 24	9	0.80	94	16.3	16.8
16	197	703	13 02 00.7	+28 57 27	6	0.11	140	16.4	16.4
17	903	625	13 01 06.9	+28 56 08	6	0.07	73	16.4	16.5
18	1060	151	13 00 55.0	+28 48 14	6	0.04	27	16.4	16.5
19	445	1313	13 01 41.7	+29 07 37	5	0.26	25	16.4	16.5
20	747	1029	13 01 18.8	+29 02 52	6	0.14	164	16.5	16.6
21	531	1170	13 01 35.2	+29 05 13	6	0.35	165	16.5	16.6
22	586	111	13 01 31.1	+28 47 34	4	0.41	162	16.5	15.8
23	982	97	13 01 00.9	+28 47 20	8	0.31	54	16.6	17.0
24	770	1012	13 01 17.0	+29 02 35	5	0.07	30	16.6	16.6
25	612	1182	13 01 29.0	+29 05 26	5	0.12	160	16.6	16.6
26	991	1228	13 01 00.1	+29 06 11	7	0.29	17	16.7	16.8
27	794	243	13 01 15.3	+28 49 47	5	0.18	113	16.7	16.6
28	818	1295	13 01 13.3	+29 07 18	6	0.11	1	16.7	16.8
29	257	211	13 01 56.1	+28 49 14	5	0.43	42	16.7	16.8
30	703	861	13 01 22.1	+29 00 04	6	0.11	66	16.8	16.8
31	614	832	13 01 28.9	+28 59 35	6	0.10	158	16.8	16.8
32	635	556	13 01 27.3	+28 54 59	7	0.61	20	16.8	17.0
33	313	1213	13 01 51.8	+29 05 57	7	0.74	97	16.8	16.9
34	205	1146	13 02 00.1	+29 04 49	5	0.18	138	16.8	16.8
35	1103	807	13 00 51.6	+28 59 10	5	0.09	151	16.9	16.8
36	612	825	13 01 29.0	+28 59 28	4	0.42	146	16.9	16.8
37	22	1386	13 02 14.0	+29 08 49	6	0.43	136	16.9	17.3
38	197	1382	13 02 00.7	+29 08 45	6	0.42	69	16.9	17.3
39	798	1013	13 01 14.8	+29 02 36	6	0.23	45	16.9	17.0
40	0	433	13 02 15.7	+28 52 56	5	0.33	104	17.0	17.0
41	516	1296	13 01 36.4	+29 07 19	5	0.05	160	17.0	17.0
42	435	1075	13 01 42.5	+29 03 38	6	0.12	75	17.1	17.1
43	295	155	13 01 53.2	+28 48 18	5	0.33	134	17.1	17.1
44	976	1070	13 01 01.3	+29 03 33	5	0.66	112	17.1	17.1
45	172	558	13 02 02.6	+28 55 01	5	0.38	7	17.1	17.1
46	742	757	13 01 19.2	+28 58 20	6	0.20	60	17.1	17.2
47	165	551	13 02 03.1	+28 54 55	5	0.50	40	17.1	17.1
48	368	870	13 01 47.6	+29 00 13	6	0.06	130	17.1	17.2
49	621	1089	13 01 28.3	+29 03 52	5	0.23	111	17.2	17.1
50	221	1057	13 01 58.9	+29 03 20	6	0.36	107	17.2	17.4
51	801	325	13 01 14.7	+28 51 09	5	0.22	30	17.2	17.2
52	487	1114	13 01 38.6	+29 04 18	5	0.31	168	17.2	17.2
53	1047	989	13 00 55.9	+29 02 12	5	0.04	10	17.2	17.1
54	438	995	13 01 42.3	+29 02 19	6	0.15	90	17.2	17.3
55	842	655	13 01 11.5	+28 56 38	5	0.27	132	17.2	17.2
56	420	768	13 01 43.7	+28 58 32	5	0.29	136	17.2	17.2
57	73	170	13 02 10.1	+28 48 33	5	0.34	173	17.2	17.3
58	776	1102	13 01 16.5	+29 04 05	5	0.16	156	17.3	17.3
59	1018	105	13 00 58.2	+28 47 28	5	0.13	163	17.3	17.2
60	1330	631	13 00 34.4	+28 56 13	4	0.16	169	17.3	17.2
61	1231	629	13 00 41.9	+28 56 12	6	0.45	4	17.3	17.4
62	986	1070	13 01 00.5	+29 03 33	5	0.41	109	17.3	17.3
63	729	1073	13 01 20.1	+29 03 36	5	0.05	48	17.3	17.2
64	961	56	13 01 02.6	+28 46 39	5	0.34	132	17.3	17.3
65	485	1182	13 01 38.7	+29 05 26	5	0.09	30	17.4	17.3

66	659	1148	13 01 25.5	+29 04 51	5	0.31	53	17.4	17.4
67	515	1076	13 01 36.4	+29 03 40	5	0.40	48	17.4	17.4
68	254	1087	13 01 56.3	+29 03 51	5	0.18	145	17.4	17.3
69	967	348	13 01 02.0	+28 51 31	7	0.68	172	17.4	17.8
70	1000	928	13 00 59.5	+29 01 11	5	0.32	143	17.4	17.4
71	201	254	13 02 00.4	+28 49 58	5	0.81	69	17.4	17.3
72	871	574	13 01 09.3	+28 55 17	5	0.19	49	17.4	17.4
73	159	798	13 02 03.6	+28 59 02	6	0.71	129	17.4	17.6
74	247	1039	13 01 56.8	+29 03 02	8	0.28	76	17.4	17.8
75	41	1288	13 02 12.6	+29 07 11	5	0.22	134	17.4	17.4
76	670	1140	13 01 24.6	+29 04 43	5	0.16	35	17.4	17.5
77	217	1297	13 01 59.2	+29 07 21	5	0.28	88	17.4	17.4
78	952	1054	13 01 03.1	+29 03 17	5	0.38	16	17.5	17.4
79	598	1125	13 01 30.1	+29 04 28	5	0.26	28	17.5	17.5
80	229	1286	13 01 58.2	+29 07 10	4	0.08	136	17.5	17.4
81	746	1054	13 01 18.8	+29 03 17	6	0.35	175	17.6	17.6
82	167	1213	13 02 03.0	+29 05 57	5	0.25	156	17.6	17.5
83	238	197	13 01 57.5	+28 49 00	5	0.33	54	17.6	17.6
84	468	772	13 01 40.0	+28 58 35	5	0.12	26	17.6	17.6
85	975	1364	13 01 01.3	+29 08 27	7	0.53	179	17.6	18.1
86	474	774	13 01 39.6	+28 58 38	4	0.58	86	17.6	17.3
87	912	279	13 01 06.2	+28 50 22	6	0.32	133	17.6	17.6
88	811	640	13 01 13.9	+28 56 23	5	0.44	33	17.6	17.6
89	780	534	13 01 16.3	+28 54 37	5	0.21	179	17.6	17.6
90	854	646	13 01 10.6	+28 56 29	5	0.41	25	17.7	17.7
91	464	1156	13 01 40.3	+29 05 00	6	0.26	121	17.7	17.7
92	1014	454	13 00 58.4	+28 53 17	5	0.35	58	17.7	17.7
93	625	84	13 01 28.1	+28 47 07	6	0.18	65	17.7	17.7
94	442	192	13 01 42.0	+28 48 55	5	0.15	1	17.7	17.7
95	883	181	13 01 08.4	+28 48 44	4	0.15	170	17.7	17.6
96	1228	943	13 00 42.1	+29 01 26	4	0.50	32	17.7	17.4
97	560	1254	13 01 33.0	+29 06 37	5	0.21	112	17.7	17.7
98	168	275	13 02 02.9	+28 50 18	5	0.43	100	17.7	17.6
99	1132	378	13 00 49.5	+28 52 01	5	0.11	70	17.7	17.7
100	740	797	13 01 19.3	+28 59 00	5	0.31	150	17.7	17.7
101	878	125	13 01 08.9	+28 47 48	5	0.20	126	17.8	17.7
102	1085	907	13 00 53.0	+29 00 50	5	0.31	161	17.8	17.7
103	587	968	13 01 31.0	+29 01 51	6	0.54	146	17.8	17.8
104	961	1186	13 01 02.4	+29 05 29	5	0.14	172	17.8	17.8
105	518	799	13 01 36.2	+28 59 03	5	0.21	7	17.8	17.8
106	682	644	13 01 23.7	+28 56 27	5	0.58	71	17.8	17.8
107	202	785	13 02 00.3	+28 58 49	4	0.29	132	17.8	17.6
108	347	1199	13 01 49.3	+29 05 42	5	0.60	161	17.8	17.8
109	353	799	13 01 48.8	+28 59 02	5	0.20	4	17.8	17.8
110	311	1138	13 01 52.0	+29 04 41	6	0.15	18	17.8	17.9
111	1115	557	13 00 50.8	+28 54 59	5	0.38	146	17.8	17.9
112	813	166	13 01 13.8	+28 48 29	5	0.15	133	17.8	17.8
113	351	379	13 01 48.9	+28 52 03	4	0.30	170	17.8	17.4
114	170	932	13 02 02.7	+29 01 15	5	0.42	36	17.8	17.9
115	343	1078	13 01 49.5	+29 03 41	5	0.58	92	17.9	17.9
116	55	875	13 02 11.5	+29 00 18	5	0.45	65	17.9	17.9
117	107	425	13 02 07.5	+28 52 48	5	0.28	119	17.9	17.9
118	211	1351	13 01 59.6	+29 08 15	5	0.73	10	17.9	17.9
119	1131	618	13 00 49.5	+28 56 01	5	0.27	165	17.9	17.8
120	691	1252	13 01 23.0	+29 06 36	5	0.21	80	17.9	17.9
121	1297	1087	13 00 36.8	+29 03 49	6	0.79	112	17.9	17.9
122	246	581	13 01 57.0	+28 55 24	5	0.46	102	17.9	17.8
123	1134	972	13 00 49.2	+29 01 54	5	0.26	37	17.9	17.8
124	1149	309	13 00 48.2	+28 50 51	5	0.48	156	17.9	17.9
125	85	790	13 02 09.2	+28 58 53	5	0.29	77	17.9	17.9
126	541	766	13 01 34.5	+28 58 29	4	0.69	134	17.9	17.8
127	779	1214	13 01 16.3	+29 05 57	9	0.96	1	17.9	18.3
128	988	1332	13 01 00.3	+29 07 55	5	0.07	177	18.0	17.9
129	1089	1050	13 00 52.6	+29 03 13	4	0.24	54	18.0	17.7
130	1331	1196	13 00 34.2	+29 05 38	5	0.50	36	18.0	18.0
131	983	472	13 01 00.8	+28 53 35	5	0.27	47	18.0	18.0
132	1141	976	13 00 48.7	+29 01 58	4	0.48	169	18.0	17.6
133	667	151	13 01 24.9	+28 48 15	5	0.13	26	18.0	17.9
134	50	315	13 02 11.8	+28 50 59	5	0.53	86	18.0	18.0
135	604	307	13 01 29.7	+28 50 51	4	0.44	60	18.0	17.9
136	59	1031	13 02 11.2	+29 02 54	4	0.30	75	18.0	17.7
137	928	938	13 01 04.9	+29 01 21	6	0.40	139	18.0	18.1
138	1335	1221	13 00 33.9	+29 06 03	5	0.46	84	18.0	18.1
139	280	1136	13 01 54.4	+29 04 39	4	0.59	111	18.0	17.9
140	966	436	13 01 02.1	+28 52 59	4	0.63	31	18.0	17.8
141	531	1225	13 01 35.2	+29 06 09	4	0.56	15	18.0	17.8
142	818	959	13 01 13.3	+29 01 42	5	0.27	84	18.0	18.0
143	842	580	13 01 11.5	+28 55 23	5	0.02	84	18.1	18.0
144	889	1113	13 01 07.9	+29 04 16	5	0.41	15	18.1	18.1
145	710	1085	13 01 21.6	+29 03 49	4	0.16	3	18.1	18.0
146	543	60	13 01 34.4	+28 46 43	4	0.22	31	18.1	17.9
147	992	664	13 01 00.1	+28 56 47	5	0.25	119	18.1	18.0
148	330	958	13 01 50.6	+29 01 41	5	0.11	179	18.1	18.1
149	629	89	13 01 27.8	+28 47 12	4	0.33	85	18.1	17.8
150	1362	1225	13 00 31.8	+29 06 07	5	0.55	99	18.1	18.2
151	370	1145	13 01 47.5	+29 04 48	3	0.22	101	18.2	17.4
152	264	1135	13 01 55.6	+29 04 39	5	0.81	101	18.2	18.0
153	220	837	13 01 58.9	+28 59 40	5	0.63	3	18.2	18.3
154	18	1075	13 02 14.4	+29 03 39	5	0.71	100	18.2	18.1
155	600	1326	13 01 29.9	+29 07 49	4	0.36	158	18.2	17.9
156	881	0	13 01 08.6	+28 45 43	4	0.49	53	18.2	17.5
157	335	267	13 01 50.1	+28 50 10	4	0.61	40	18.2	18.1
158	368	941	13 01 47.6	+29 01 24	5	0.20	12	18.2	18.2
159	180	1382	13 02 02.0	+29 08 46	3	0.41	140	18.2	17.3
160	773	1240	13 01 16.7	+29 06 23	5	0.81	12	18.2	18.2
161	514	659	13 01 36.5	+28 56 42	4	0.32	45	18.2	18.0
162	955	183	13 01 03.0	+28 48 46	3	0.37	154	18.2	17.9
163	533	174	13 01 35.1	+28 48 37	5	0.18	102	18.2	18.2
164	611	1041	13 01 29.1	+29 03 04	5	0.45	133	18.3	18.2
165	571	1357	13 01 32.2	+29 08 20	4	0.47	124	18.3	17.9
166	115	1270	13 02 07.0	+29 06 53	5	0.50	153	18.3	18.3
167	766	154	13 01 17.4	+28 48 18	5	0.63	154	18.3	18.3
168	670	1106	13 01 24.6	+29 04 09	5	0.35	138	18.3	18.3
169	325	1051	13 01 50.9	+29 03 15	5	0.44	124	18.3	18.3
170	464	392	13 01 40.3	+28 52 15	4	0.40	46	18.3	18.0
171	533	1037	13 01 35.1	+29 03 00	4	0.50	84	18.3	18.2
172	366	1046	13 01 47.8	+29 03 10	5	0.57	93	18.3	18.3
173	1334	549	13 00 34.1	+28 54 51	4	0.66	119	18.3	18.0
174	1187	913	13 00 45.2	+29 00 55	5	0.25	134	18.3	18.3
175	801	997	13 01 14.6	+29 02 20	5	0.39	12	18.4	18.4
176	462	446	13 01 40.5	+28 53 10	4	0.37	103	18.4	18.2
177	1290	853	13 00 37.4	+28 59 56	4	0.51	78	18.4	18.1
178	818	1371	13 01 13.3	+29 08 34	3	0.26	151	18.4	17.2
179	505	1114	13 01 37.2	+29 04 17	4	0.31	120	18.4	18.1
180	270	922	13 01 55.1	+29 01 06	6	0.11	96	18.5	18.7
181	742	393	13 01 19.2	+28 52 16	4	0.16	51	18.5	18.0
182	1184	1309	13 00 45.4	+29 07 31	4	0.12	12	18.5	18.4
183	717	792	13 01 21.1	+28 58 55	4	0.53	120	18.5	18.4
184	152	868	13 02 04.1	+29 00 11	6	0.50	121	18.5	18.5
185	1201	843	13 00 44.1	+28 59 45	4	0.23	4	18.5	18.3
186	275	1098	13 01 54.7	+29 04 01	3	0.58	103	18.5	18.2
187	298	1052	13 01 53.0	+29 03 15	5	0.35	40	18.5	18.5
188	988	810	13 01 00.4	+28 59 13	5	0.63	91	18.5	18.5
189	1209	1198	13 00 43.5	+29 05 40	3	0.72	129	18.6	18.1
190	1046	1181	13 00 55.9	+29 05 23	5	0.56	170	18.6	18.6
191	1212	494	13 00 43.4	+28 53 57	4	0.43	81	18.6	18.4
192	698	1179	13 01 22.5	+29 05 22	4	0.42	49	18.6	18.3
193	698	120	13 01 22.6	+28 47 44	4	0.57	173	18.6	18.5
194	904	49	13 01 06.9	+28 46 32	4	0.33	166	18.6	18.4
195	401	1077	13 01 45.2	+29 03 40	4	0.37	47	18.6	18.6
196	1245	1021	13 00 40.8	+29 02 43	4	0.63	86	18.6	18.3
197	698	1090	13 01 22.5	+29 03 54	4	0.21	123	18.6	18.4
197	698	1090	13 01 22.5	+29 03 54	4	0.21	123	18.6	18.4

Abell 2056

N	X	Y	α	δ	R_1	ϵ	θ	m_T	m_a
1	827	598	15 19 03.0	+28 20 33	14	0.55	51	15.3	16.0
2	888	626	15 18 58.3	+28 21 01	19	0.53	11	15.5	16.6
3	95	412	15 19 58.4	+28 17 27	11	0.31	1	15.8	16.2
4	556	510	15 19 23.5	+28 19 05	11	0.12	157	15.9	16.3
5	326	701	15 19 40.9	+28 22 16	7	0.05	166	16.1	16.1
6	759	350	15 19 08.1	+28 16 25	9	0.19	128	16.1	16.4
7	874	479	15 18 59.4	+28 18 34	11	0.54	27	16.2	16.5
8	1054	749	15 18 45.7	+28 23 04	12	0.35	166	16.2	17.3
9	225	1061	15 19 48.6	+28 28 15	10	0.09	101	16.2	16.6
10	744	738	15 19 09.3	+28 22 53	11	0.16	158	16.3	16.7
11	253	1126	15 19 46.5	+28 29 20	7	0.34	80	16.4	16.4
12	906	542	15 18 57.0	+28 19 37	14	0.23	20	16.5	17.8
13	1118	222	15 18 40.9	+28 14 17	7	0.21	124	16.6	16.7
14	331	1160	15 19 40.6	+28 29 55	7	0.09	44	16.7	16.7
15	452	1023	15 19 31.4	+28 27 38	8	0.53	131	16.7	16.8
16	1060	990	15 18 45.3	+28 27 05	12	0.25	174	16.7	17.5
17	869	642	15 18 59.8	+28 21 17	8	0.19	10	16.8	16.9
18	291	653	15 19 43.6	+28 21 27	8	0.10	46	16.8	16.9
19	750	865	15 19 08.8	+28 25 00	12	0.39	40	16.9	17.6
20	728	564	15 19 10.5	+28 19 59	7	0.17	54	16.9	16.9
21	916	737	15 18 56.3	+28 22 52	12	0.53	4	17.0	17.9
22	825	837	15 19 03.1	+28 24 32	10	0.34	108	17.0	17.9
23	854	798	15 19 00.9	+28 23 53	11	0.50	167	17.1	18.1
24	177	368	15 19 52.2	+28 16 42	9	0.51	49	17.1	17.2
25	430	1151	15 19 33.1	+28 29 46	8	0.24	60	17.1	17.2
26	1058	805	15 18 45.5	+28 24 00	12	0.09	61	17.1	17.9
27	771	767	15 19 07.2	+28 23 22	7	0.12	49	17.1	17.1
28	1081	972	15 18 43.7	+28 26 47	12	0.28	75	17.1	17.8
29	285	1117	15 19 44.1	+28 29 11	6	0.13	52	17.2	17.1
30	977	648	15 18 51.6	+28 21 23	10	0.10	108	17.2	17.9
31	965	891	15 18 52.5	+28 25 26	8	0.27	119	17.2	17.3
32	1041	1079	15 18 46.7	+28 28 34	7	0.25	15	17.2	17.3
33	774	1148	15 19 06.9	+28 29 43	11	0.35	37	17.3	17.7
34	1037	1007	15 18 47.0	+28 27 21	6	0.40	92	17.3	17.2
35	840	561	15 19 02.0	+28 19 56	6	0.45	162	17.3	17.2
36	1135	965	15 18 39.6	+28 26 40	11	0.49	178	17.5	18.1
37	691	816	15 19 13.3	+28 24 11	7	0.21	79	17.5	17.5
38	582	999	15 19 21.5	+28 27 14	7	0.22	174	17.5	17.5
39	128	94	15 19 55.9	+28 12 08	7	0.48	37	17.5	17.5
40	1067	271	15 18 44.8	+28 15 06	7	0.20	118	17.5	17.5
41	546	688	15 19 24.3	+28 22 03	7	0.42	105	17.6	17.6
42	807	854	15 19 04.5	+28 24 49	7	0.20	62	17.6	17.6
43	749	1156	15 19 08.8	+28 29 51	11	0.19	69	17.6	18.3
44	93	843	15 19 58.6	+28 24 37	6	0.23	3	17.6	17.6
45	693	840	15 19 13.1	+28 24 35	7	0.15	58	17.7	17.6
46	342	1069	15 19 39.7	+28 28 24	8	1.00	90	17.7	18.0
47	892	544	15 18 58.1	+28 19 39	9	0.55	87	17.7	18.1
48	694	912	15 19 13.0	+28 25 47	7	0.12	38	17.7	17.6
49	981	625	15 18 51.3	+28 21 00	10	0.18	67	17.7	18.3
50	879	692	15 18 59.0	+28 22 07	9	0.43	108	17.7	18.1
51	1172	518	15 18 36.9	+28 19 13	7	0.12	17	17.7	17.7
52	550	446	15 19 23.9	+28 18 01	6	0.46	128	17.7	17.7
53	784	592	15 19 06.3	+28 20 27	7	0.12	170	17.7	17.7
54	1177	1067	15 18 36.4	+28 28 21	4	0.13	45	17.7	17.1
55	818	848	15 19 03.7	+28 24 43	7	0.30	113	17.7	17.7
56	588	708	15 19 21.1	+28 22 23	7	0.08	115	17.7	17.7
57	999	720	15 18 49.9	+28 22 35	7	0.30	157	17.8	17.9
58	251	965	15 19 46.6	+28 26 40	7	0.10	54	17.8	17.8
59	1139	687	15 18 39.3	+28 22 01	8	0.45	0	17.8	18.0
60	534	477	15 19 25.2	+28 18 32	7	0.13	5	17.8	17.8
61	1211	1163	15 18 33.8	+28 29 58	7	0.41	106	17.8	17.8
62	968	783	15 18 52.3	+28 23 38	9	0.53	160	17.8	18.2
63	713	584	15 19 11.6	+28 20 19	7	0.11	166	17.9	17.9
64	43	848	15 20 02.4	+28 24 42	6	0.14	26	17.9	17.8
65	327	977	15 19 40.9	+28 26 51	6	0.30	10	17.9	17.8
66	963	995	15 18 52.7	+28 27 10	6	0.26	155	17.9	17.9
67	1160	38	15 18 37.8	+28 11 13	6	0.10	22	17.9	17.9
68	832	614	15 19 02.6	+28 20 49	5	0.65	33	18.0	17.5
69	658	778	15 19 15.8	+28 23 33	6	0.26	177	18.0	17.9
70	1049	741	15 18 46.2	+28 22 56	6	0.09	55	18.0	17.7
71	1231	53	15 18 32.4	+28 11 28	6	0.65	68	18.0	18.0
72	1035	424	15 18 47.2	+28 17 39	5	0.24	27	18.0	17.8
73	763	660	15 19 07.8	+28 21 35	7	0.29	172	18.0	18.0
74	923	901	15 18 55.7	+28 25 36	6	0.30	56	18.1	17.9
75	726	1174	15 19 10.6	+28 30 09	6	0.44	165	18.1	17.8
76	1057	710	15 18 45.6	+28 22 25	5	0.19	74	18.1	17.8
77	449	104	15 19 31.6	+28 12 19	7	0.49	4	18.2	18.2
78	289	712	15 19 43.7	+28 22 26	6	0.48	141	18.2	18.0
79	661	909	15 19 15.5	+28 25 44	6	0.24	11	18.3	18.2
80	1048	35	15 18 46.2	+28 11 10	6	0.39	101	18.3	18.1
81	909	1033	15 18 56.8	+28 27 48	4	0.65	121	18.3	17.4
82	257	863	15 19 46.2	+28 24 58	7	0.15	44	18.3	18.3
83	1084	0	15 18 43.5	+28 10 34	6	0.22	78	18.3	18.1
84	291	466	15 19 43.5	+28 18 21	5	0.47	57	18.4	18.1
85	279	673	15 19 44.5	+28 21 47	5	0.44	8	18.4	18.0
86	841	828	15 19 01.9	+28 24 23	6	0.55	12	18.4	18.0
87	542	526	15 19 24.6	+28 19 21	5	0.67	121	18.4	18.2
88	0	1036	15 20 05.7	+28 27 51	5	0.57	58	18.5	18.3
89	885	657	15 18 58.6	+28 21 32	5	1.00	0	18.5	18.0
90	467	502	15 19 30.3	+28 18 57	5	0.42	13	18.5	18.2
91	815	488	15 19 03.9	+28 18 43	5	0.50	52	18.5	18.3
92	917	718	15 18 56.1	+28 22 33	5	0.71	2	18.5	17.8
93	1074	558	15 18 44.2	+28 19 53	5	0.60	25	18.5	18.3
94	1135	249	15 18 39.7	+28 14 43	5	0.16	91	18.6	18.3
95	51	1136	15 20 01.8	+28 29 30	5	0.26	52	18.6	18.3
96	889	73	15 18 58.3	+28 11 48	4	0.41	66	18.7	17.5
97	912	752	15 18 56.5	+28 23 07	5	0.19	100	18.8	18.2
98	846	765	15 19 01.5	+28 23 20	5	0.33	36	18.8	18.1
98	846	765	15 19 01.5	+28 23 20	5	0.33	36	18.8	18.1

Abell 2073

N	X	Y	α	δ	R_1	ϵ	θ	m_T	m_a
1	358	585	15 25 54.5	+28 27 48	11	0.53	67	15.6	16.0
2	904	211	15 25 13.1	+28 21 33	10	0.33	57	15.7	16.0
3	376	570	15 25 53.1	+28 27 32	12	0.17	86	15.7	16.2
4	429	956	15 25 49.1	+28 33 59	7	0.10	61	16.0	16.0
5	603	497	15 25 35.9	+28 26 19	11	0.19	38	16.2	16.6
6	412	282	15 25 50.4	+28 22 45	9	0.53	5	16.2	16.4
7	644	983	15 25 32.8	+28 34 26	10	0.07	21	16.3	16.6
8	25	374	15 26 19.8	+28 24 16	9	0.16	74	16.3	16.5
9	127	931	15 26 12.1	+28 33 34	9	0.56	151	16.5	16.6
10	386	260	15 25 52.4	+28 22 22	10	0.63	112	16.5	17.0
11	888	191	15 25 14.4	+28 21 13	7	0.11	34	16.5	16.6
12	390	561	15 25 52.1	+28 27 24	7	0.77	77	16.7	16.8
13	99	879	15 26 14.2	+28 32 41	8	0.34	132	16.8	16.9
14	699	482	15 25 28.6	+28 26 05	7	0.12	53	16.8	16.8
15	369	398	15 25 53.7	+28 24 41	8	0.02	127	16.8	16.9
16	218	800	15 26 05.1	+28 31 23	7	0.18	38	16.9	16.9
17	375	519	15 25 53.2	+28 26 42	7	0.27	43	17.0	17.0
18	453	573	15 25 47.3	+28 27 36	7	0.24	114	17.0	17.1
19	442	306	15 25 48.1	+28 23 08	7	0.27	169	17.1	17.1
20	786	420	15 25 22.0	+28 25 03	5	0.21	164	17.1	16.7
21	398	604	15 25 51.5	+28 28 07	7	0.43	74	17.2	17.2
22	331	914	15 25 56.6	+28 33 16	7	0.17	39	17.2	17.2
23	105	323	15 26 13.7	+28 23 25	9	0.63	34	17.3	17.5
24	390	617	15 25 52.1	+28 28 19	6	0.17	164	17.3	17.2
25	354	699	15 25 54.8	+28 29 41	7	0.14	102	17.5	17.4
26	818	534	15 25 19.6	+28 26 56	6	0.40	32	17.5	17.4
27	741	792	15 25 25.4	+28 31 15	7	0.30	30	17.5	17.5
28	387	287	15 25 52.3	+28 22 50	6	0.11	136	17.5	17.5
29	587	651	15 25 37.1	+28 28 54	6	0.32	109	17.6	17.5
30	545	685	15 25 40.3	+28 29 28	6	0.08	174	17.6	17.5
31	887	435	15 25 14.4	+28 25 18	6	0.32	86	17.6	17.6
32	105	35	15 26 13.6	+28 18 37	6	0.36	74	17.7	17.6
33	252	643	15 26 02.6	+28 28 45	7	0.09	94	17.7	17.7
34	191	821	15 26 07.2	+28 31 43	6	0.03	104	17.7	17.6
35	538	255	15 25 40.8	+28 22 17	6	0.03	89	17.8	17.6
36	414	677	15 25 50.3	+28 29 19	7	0.08	52	17.8	17.8
37	598	518	15 25 36.3	+28 26 41	6	0.20	49	17.9	17.7
38	31	168	15 26 19.2	+28 20 51	6	0.24	43	17.9	17.8
39	525	821	15 25 41.8	+28 31 44	6	0.13	111	17.9	17.8
40	426	932	15 25 49.4	+28 33 34	6	0.52	53	18.0	17.9
41	553	282	15 25 39.7	+28 22 45	6	0.40	85	18.0	17.9
42	486	639	15 25 44.8	+28 28 41	6	0.17	37	18.1	18.0
43	505	601	15 25 43.4	+28 28 04	5	0.12	71	18.2	17.9
44	336	525	15 25 56.2	+28 26 48	5	0.28	67	18.2	18.0
45	377	25	15 25 53.1	+28 18 27	5	0.25	99	18.2	17.8
46	619	730	15 25 34.7	+28 30 13	5	0.75	57	18.2	18.0
47	593	732	15 25 36.6	+28 30 15	5	0.31	143	18.4	18.2
48	661	552	15 25 31.6	+28 27 14	6	0.25	160	18.4	18.4
49	849	476	15 25 17.2	+28 25 59	5	0.32	177	18.5	18.2
50	304	664	15 25 58.6	+28 29 07	6	0.20	18	18.5	18.4
51	699	306	15 25 28.7	+28 23 09	5	0.22	92	18.5	18.2
52	578	519	15 25 37.8	+28 26 42	5	0.45	72	18.5	18.3
53	358	178	15 25 54.5	+28 21 00	5	0.31	66	18.6	18.4
54	705	441	15 25 28.2	+28 25 23	5	0.08	167	18.7	18.4
55	194	692	15 26 07.0	+28 29 34	5	0.33	101	18.7	18.3
56	193	138	15 26 07.0	+28 20 21	4	0.70	11	18.8	18.3
57	233	136	15 26 03.9	+28 20 19	5	1.00	90	18.8	18.6
58	572	563	15 25 38.3	+28 27 25	5	0.33	42	18.8	18.6
58	572	563	15 25 38.3	+28 27 25	5	0.33	42	18.8	18.6

Abell 2093

N	X	Y	α	δ	R_1	ϵ	θ	m_T	m_a
1	849	943	15 33 59.3	+37 11 40	39	0.47	156	14.3	16.9
2	80	777	15 35 03.7	+37 08 53	33	0.41	166	14.9	16.4
3	409	766	15 34 36.1	+37 08 42	8	0.38	89	16.0	16.4
4	144	586	15 34 58.3	+37 05 42	7	0.45	175	16.2	16.6
5	531	439	15 34 25.9	+37 03 15	7	0.20	144	16.3	16.6
6	565	404	15 34 23.1	+37 02 41	6	0.28	167	16.6	16.7
7	342	543	15 34 41.7	+37 05 00	6	0.32	164	16.6	16.7
8	554	51	15 34 24.0	+36 56 48	6	0.25	172	16.6	16.8
9	713	351	15 34 10.7	+37 01 47	8	0.58	145	16.9	17.3
10	140	503	15 34 58.6	+37 04 19	6	0.27	2	16.9	17.0
11	210	379	15 34 52.7	+37 02 16	4	0.17	156	17.1	16.9
12	105	426	15 35 01.5	+37 03 02	6	0.31	174	17.1	17.2
13	679	316	15 34 13.5	+37 01 12	6	0.36	171	17.2	17.3
14	1131	631	15 33 35.8	+37 06 27	5	0.31	142	17.2	17.2
15	594	353	15 34 20.7	+37 01 49	4	0.50	159	17.6	17.3
16	547	706	15 34 24.6	+37 07 43	4	0.27	165	17.6	17.2
17	450	284	15 34 32.7	+37 00 41	4	0.36	16	17.6	17.3
18	423	936	15 34 35.0	+37 11 33	4	0.30	8	17.6	17.4
19	402	186	15 34 36.7	+36 59 03	4	0.14	0	17.6	17.2
20	358	659	15 34 40.4	+37 06 55	4	0.21	158	17.7	17.3
21	890	808	15 33 55.9	+37 09 25	4	0.29	157	17.7	17.4
22	90	742	15 35 02.8	+37 08 18	4	0.27	173	17.7	17.3
23	562	133	15 34 23.4	+36 58 09	3	0.42	179	18.0	17.4
24	454	417	15 34 32.3	+37 02 54	3	0.21	158	18.0	17.3
25	553	661	15 34 24.1	+37 06 58	3	0.31	151	18.1	17.4
26	104	416	15 35 01.6	+37 02 52	3	0.59	174	18.1	17.3
27	25	54	15 35 08.2	+36 56 50	3	0.25	136	18.1	17.3
28	963	481	15 33 49.8	+37 03 58	3	0.29	170	18.1	17.5
29	371	758	15 34 39.3	+37 08 35	3	0.36	167	18.1	17.5
30	121	104	15 35 00.1	+36 57 40	3	0.36	167	18.1	17.6
31	641	179	15 34 16.7	+36 58 55	3	0.25	51	18.2	17.6
32	323	673	15 34 43.3	+37 07 09	3	0.36	155	18.2	17.6
33	825	723	15 34 01.4	+37 07 59	3	0.32	164	18.2	17.6
34	154	1085	15 34 57.5	+37 14 01	3	0.41	0	18.2	17.4
35	592	40	15 34 20.8	+36 56 36	3	0.18	136	18.2	17.5
36	716	294	15 34 10.4	+37 00 51	3	0.28	4	18.3	17.6
37	226	466	15 34 51.4	+37 03 42	3	0.42	15	18.3	17.7
38	617	658	15 34 18.7	+37 06 55	3	0.10	155	18.3	17.5
39	837	110	15 34 00.4	+36 57 46	3	0.12	118	18.4	17.6
40	397	832	15 34 37.1	+37 09 48	3	0.09	150	18.4	17.8
41	228	1120	15 34 51.3	+37 14 36	3	0.65	162	18.4	17.4
42	316	1113	15 34 43.9	+37 14 29	3	0.13	56	18.4	17.4
43	198	157	15 34 53.7	+36 58 34	3	0.36	4	18.4	17.7
44	98	1048	15 35 02.2	+37 13 24	3	0.33	162	18.5	17.9
45	363	1027	15 34 40.0	+37 13 04	3	0.34	162	18.5	17.9
46	714	877	15 34 10.6	+37 10 33	3	0.53	158	18.5	17.9
47	508	228	15 34 27.8	+36 59 45	3	0.00	0	18.6	18.0
48	791	25	15 34 04.2	+36 56 21	2	0.51	168	19.0	17.8
48	791	25	15 34 04.2	+36 56 21	2	0.51	168	19.0	17.8

Abell 2096

N	X	Y	α	δ	R_1	ϵ	θ	m_T	m_a
1	459	622	15 35 21.7	+37 23 45	13	0.18	171	15.0	16.0
2	232	368	15 35 40.7	+37 19 32	10	0.43	143	15.4	16.0
3	670	378	15 35 04.0	+37 19 41	9	0.07	9	15.8	16.3
4	956	1058	15 34 39.9	+37 31 01	10	0.30	142	15.8	16.6
5	443	622	15 35 23.0	+37 23 45	8	0.21	163	15.9	16.4
6	738	311	15 34 58.3	+37 18 35	8	0.19	96	16.1	16.4
7	696	337	15 35 01.9	+37 19 00	5	0.15	164	16.2	16.2
8	1037	1112	15 34 33.1	+37 31 55	9	0.11	150	16.2	16.8
9	793	449	15 34 53.7	+37 20 52	7	0.14	13	16.3	16.6
10	872	151	15 34 47.1	+37 15 54	6	0.26	169	16.3	16.4
11	509	587	15 35 17.5	+37 23 11	6	0.30	165	16.4	16.6
12	747	163	15 34 57.6	+37 16 06	7	0.27	178	16.5	16.7
13	610	1090	15 35 09.0	+37 31 33	6	0.36	159	16.5	16.6
14	377	144	15 35 28.6	+37 15 48	6	0.30	157	16.5	16.6
15	643	438	15 35 06.3	+37 20 41	7	0.25	166	16.6	16.9
16	1067	773	15 34 30.6	+37 26 15	7	0.28	170	16.6	16.9
17	580	715	15 35 11.6	+37 25 18	7	0.38	178	16.6	16.8
18	502	561	15 35 18.1	+37 22 44	6	0.37	170	16.7	16.8
19	308	897	15 35 34.3	+37 28 20	7	0.39	163	16.7	17.0
20	290	221	15 35 35.8	+37 17 05	6	0.21	164	16.7	16.9
21	499	580	15 35 18.3	+37 23 03	6	0.60	7	16.7	16.9
22	516	798	15 35 16.9	+37 26 42	6	0.28	3	16.8	16.9
23	288	584	15 35 36.0	+37 23 07	7	0.32	105	16.8	17.0
24	110	602	15 35 51.0	+37 23 25	6	0.30	174	16.8	16.8
25	366	543	15 35 29.5	+37 22 27	7	0.41	53	16.8	17.1
26	919	970	15 34 43.0	+37 29 33	7	0.07	10	16.8	17.0
27	623	946	15 35 07.9	+37 29 10	7	0.04	176	16.8	17.0
28	25	369	15 35 58.1	+37 19 32	6	0.20	11	16.9	17.0
29	343	60	15 35 31.4	+37 14 24	6	0.32	163	16.9	17.0
30	668	253	15 35 04.2	+37 17 36	6	0.35	166	16.9	17.1
31	546	694	15 35 14.4	+37 24 58	9	0.33	122	16.9	17.7
32	652	608	15 35 05.5	+37 23 31	6	0.35	145	17.0	17.1
33	364	950	15 35 29.7	+37 29 13	7	0.21	160	17.0	17.1
34	1005	169	15 34 36.0	+37 16 11	6	0.18	59	17.0	17.2
35	748	39	15 34 57.5	+37 14 02	6	0.54	2	17.1	17.3
36	237	490	15 35 40.3	+37 21 33	6	0.33	177	17.1	17.2
37	672	551	15 35 03.8	+37 22 35	6	0.27	179	17.1	17.2
38	178	206	15 35 45.3	+37 16 49	5	0.18	176	17.1	17.1
39	126	606	15 35 49.7	+37 23 29	6	0.22	15	17.1	17.2
40	362	962	15 35 29.9	+37 29 25	6	0.25	10	17.1	17.2
41	140	199	15 35 48.4	+37 16 42	5	0.21	169	17.2	17.2
42	751	701	15 34 57.2	+37 25 05	6	0.42	6	17.2	17.3
43	656	87	15 35 05.2	+37 14 50	6	0.48	173	17.2	17.3
44	46	439	15 35 56.3	+37 20 43	6	0.29	139	17.2	17.4
45	1053	1002	15 34 31.8	+37 30 05	6	0.37	151	17.3	17.4
46	822	73	15 34 51.3	+37 14 36	6	0.53	155	17.3	17.4
47	420	1115	15 35 25.0	+37 31 58	5	0.27	165	17.3	17.2
48	582	676	15 35 11.4	+37 24 40	5	0.37	3	17.3	17.3
49	841	821	15 34 49.6	+37 27 04	6	0.29	158	17.3	17.4
50	133	638	15 35 49.1	+37 24 02	5	0.33	29	17.3	17.4
51	221	755	15 35 41.7	+37 25 59	5	0.29	121	17.3	17.4
52	971	913	15 34 38.7	+37 28 36	6	0.22	109	17.3	17.4
53	600	483	15 35 09.8	+37 21 26	6	0.43	154	17.3	17.4
54	720	633	15 34 59.8	+37 23 56	6	0.47	142	17.4	17.4
55	860	876	15 34 48.0	+37 27 59	4	0.37	129	17.4	17.2
56	25	491	15 35 58.1	+37 21 34	5	0.21	172	17.4	17.4
57	56	681	15 35 55.5	+37 24 44	5	0.36	168	17.4	17.4
58	807	289	15 34 52.6	+37 18 12	5	0.38	3	17.4	17.4
59	402	823	15 35 26.4	+37 27 07	5	0.51	170	17.5	17.5
60	757	115	15 34 56.8	+37 15 18	5	0.55	4	17.5	17.5
61	316	700	15 35 33.7	+37 25 03	5	0.21	14	17.5	17.5
62	438	525	15 35 23.5	+37 22 09	5	0.18	164	17.5	17.5
63	612	988	15 35 08.9	+37 29 52	6	0.29	173	17.5	17.6
64	235	645	15 35 40.5	+37 24 08	5	0.41	159	17.5	17.5
65	414	761	15 35 25.5	+37 26 05	5	0.30	97	17.5	17.6
66	432	622	15 35 23.9	+37 23 45	4	0.36	15	17.5	16.7
67	608	415	15 35 09.2	+37 20 19	5	0.37	91	17.5	17.5
68	256	255	15 35 38.7	+37 17 38	5	0.50	163	17.5	17.5
69	1036	615	15 34 33.3	+37 23 38	4	0.53	3	17.6	17.4
70	230	915	15 35 40.9	+37 28 38	5	0.43	178	17.6	17.6
71	543	77	15 35 14.6	+37 14 41	6	0.37	98	17.6	17.7
72	514	660	15 35 17.1	+37 24 23	6	0.83	160	17.6	17.9
73	667	318	15 35 04.3	+37 18 41	6	0.21	0	17.6	17.7
74	910	67	15 34 44.0	+37 14 30	7	0.07	18	17.6	17.8
75	395	859	15 35 27.1	+37 27 42	6	0.30	135	17.7	17.8
76	571	704	15 35 12.3	+37 25 08	4	0.33	173	17.7	17.1
77	842	959	15 34 49.5	+37 29 22	5	0.15	116	17.7	17.5
78	660	1002	15 35 04.8	+37 30 05	6	0.15	144	17.7	17.8
79	917	88	15 34 43.3	+37 14 51	5	0.18	173	17.7	17.7
80	134	555	15 35 49.0	+37 22 39	5	0.34	3	17.7	17.6
81	539	588	15 35 15.0	+37 23 12	5	0.48	157	17.7	17.8
82	253	649	15 35 39.0	+37 24 13	5	0.24	160	17.8	17.8
83	38	1154	15 35 57.1	+37 32 37	5	0.56	14	17.8	17.8
84	497	117	15 35 18.5	+37 15 20	4	0.13	151	17.8	17.6
85	245	739	15 35 39.6	+37 25 43	5	0.36	145	17.9	17.8
86	737	564	15 34 58.4	+37 22 47	6	0.49	80	17.9	18.0
87	260	716	15 35 38.4	+37 25 20	5	0.10	156	18.0	18.0
88	527	423	15 35 16.0	+37 20 27	5	0.16	85	18.0	18.0
89	52	133	15 35 55.8	+37 15 36	4	0.14	178	18.0	17.8
90	842	41	15 34 49.6	+37 14 04	5	0.44	163	18.0	17.9
91	1132	401	15 34 25.3	+37 20 03	6	0.19	175	18.0	18.1
92	341	452	15 35 31.6	+37 20 55	4	0.30	127	18.0	17.6
93	354	1042	15 35 30.5	+37 30 46	5	0.46	41	18.0	18.0
94	361	788	15 35 29.9	+37 26 32	4	0.17	126	18.2	17.8
95	1070	1064	15 34 30.3	+37 31 07	6	0.56	0	18.2	18.3
96	552	580	15 35 13.9	+37 23 04	4	0.64	144	18.3	18.1
97	822	252	15 34 51.3	+37 17 35	4	0.55	38	18.4	18.1
98	128	1146	15 35 49.5	+37 32 29	4	1.00	0	18.4	18.1
99	425	81	15 35 24.6	+37 14 44	3	0.60	22	18.6	18.1
100	636	25	15 35 06.9	+37 13 48	4	0.51	163	18.7	18.4
100	636	25	15 35 06.9	+37 13 48	4	0.51	163	18.7	18.4

Abell 2124

N	X	Y	α	δ	R_1	ϵ	θ	m_T	m_a
1	887	583	15 44 59.2	+36 06 33	20	0.43	108	13.5	15.2
2	972	1913	15 44 52.2	+36 28 44	12	0.22	128	15.0	16.0
3	348	899	15 45 43.8	+36 11 49	9	0.26	151	15.1	15.6
4	846	752	15 45 02.6	+36 09 22	7	0.32	145	15.2	15.4
5	836	792	15 45 03.5	+36 10 03	8	0.25	161	15.3	15.7
6	1193	1907	15 44 33.9	+36 28 37	12	0.19	177	15.3	15.9
7	1063	657	15 44 44.8	+36 07 47	8	0.23	150	15.3	15.7
8	967	965	15 44 52.7	+36 12 55	9	0.16	154	15.3	15.8
9	783	716	15 45 07.8	+36 08 47	7	0.45	163	15.4	15.6
10	903	437	15 44 57.9	+36 04 08	8	0.24	153	15.5	15.9
11	837	845	15 45 03.4	+36 10 56	7	0.17	155	15.6	15.9
12	494	973	15 45 31.7	+36 13 03	8	0.30	169	15.6	16.0
13	1103	425	15 44 41.4	+36 03 55	8	0.13	112	15.7	16.1
14	790	516	15 45 07.3	+36 05 27	9	0.23	161	15.7	16.0
15	544	238	15 45 27.5	+36 00 48	7	0.29	155	15.7	15.9
16	599	573	15 45 23.0	+36 06 23	7	0.42	168	15.7	15.9
17	304	1105	15 45 47.4	+36 15 15	8	0.30	162	15.7	16.1
18	1055	462	15 44 45.4	+36 04 32	6	0.32	151	15.8	15.9
19	858	726	15 45 01.6	+36 08 56	7	0.31	151	15.8	16.1
20	859	87	15 45 01.5	+35 58 18	5	0.28	157	15.8	15.8
21	977	789	15 44 51.8	+36 09 59	9	0.35	167	15.8	16.2
22	1178	1775	15 44 35.1	+36 26 25	7	0.21	145	15.8	16.1
23	591	1798	15 45 23.8	+36 26 48	8	0.17	21	15.9	16.2
24	781	854	15 45 08.0	+36 11 05	9	0.30	93	15.9	16.6
25	936	433	15 44 55.2	+36 04 04	7	0.23	150	15.9	16.2
26	574	263	15 45 25.1	+36 01 13	6	0.29	172	16.0	16.1
27	605	523	15 45 22.6	+36 05 33	8	0.28	83	16.0	16.5
28	1550	1440	15 44 04.4	+36 20 50	8	0.25	163	16.0	16.3
29	928	688	15 44 55.9	+36 08 18	7	0.17	155	16.1	16.3
30	321	291	15 45 45.9	+36 01 41	6	0.33	148	16.1	16.3
31	636	321	15 45 20.0	+36 02 12	7	0.33	165	16.1	16.3
32	1122	606	15 44 39.9	+36 06 56	6	0.19	179	16.2	16.3
33	553	748	15 45 26.9	+36 09 18	7	0.19	170	16.2	16.4
34	969	1391	15 44 52.4	+36 20 01	7	0.14	144	16.2	16.5
35	981	261	15 44 51.5	+36 01 11	7	0.24	175	16.2	16.6
36	339	1442	15 45 44.6	+36 20 52	6	0.43	163	16.3	16.4
37	70	25	15 46 06.6	+35 57 14	5	0.26	1	16.3	16.3
38	1867	1219	15 43 38.2	+36 17 08	7	0.37	156	16.3	16.7
39	966	438	15 44 52.7	+36 04 08	6	0.30	134	16.3	16.4
40	1618	1459	15 43 58.7	+36 21 08	9	0.30	144	16.3	16.8
41	1752	64	15 43 48.0	+35 57 53	6	0.23	153	16.4	16.5
42	637	1424	15 45 19.9	+36 20 34	7	0.37	159	16.4	16.7
43	380	685	15 45 41.1	+36 08 15	8	0.47	120	16.4	16.8
44	849	580	15 45 02.4	+36 06 30	6	0.45	136	16.4	16.6
45	1087	491	15 44 42.8	+36 05 01	6	0.37	123	16.5	16.6
46	829	568	15 45 04.1	+36 06 18	5	0.20	151	16.5	16.5
47	271	1712	15 45 50.3	+36 25 21	8	0.00	0	16.6	17.2
48	657	958	15 45 18.2	+36 12 49	6	0.32	158	16.6	16.7
49	1375	1434	15 44 18.9	+36 20 44	5	0.37	170	16.6	16.6
50	266	1283	15 45 50.6	+36 18 13	8	0.42	153	16.6	17.0
51	903	867	15 44 57.9	+36 11 17	7	0.38	164	16.6	16.8
52	688	252	15 45 15.6	+36 01 02	6	0.19	157	16.6	16.8
53	849	528	15 45 02.4	+36 05 38	9	0.56	121	16.7	17.5
54	1021	551	15 44 48.2	+36 06 02	6	0.27	155	16.7	16.9
55	809	605	15 45 05.7	+36 06 55	6	0.38	158	16.7	16.9
56	711	100	15 45 13.7	+35 58 31	6	0.31	153	16.7	16.9
57	223	1847	15 45 54.3	+36 27 36	6	0.41	162	16.7	16.9
58	1593	122	15 44 01.1	+35 58 51	7	0.32	157	16.8	16.9
59	577	1551	15 45 24.9	+36 22 41	6	0.36	176	16.8	17.0
60	1050	475	15 44 45.8	+36 04 45	5	0.16	154	16.8	16.8
61	906	262	15 44 57.7	+36 01 12	6	0.34	168	16.8	16.9
62	916	618	15 44 56.9	+36 07 08	7	0.29	150	16.8	17.3
63	1084	52	15 44 43.0	+35 57 43	7	0.28	103	16.8	17.3
64	881	147	15 44 59.7	+35 59 17	6	0.32	157	16.8	17.0
65	1659	1575	15 43 55.3	+36 23 05	6	0.21	144	16.9	17.0
66	617	716	15 45 21.5	+36 08 46	6	0.38	24	16.9	17.1
67	1135	1104	15 44 38.8	+36 15 14	6	0.37	159	17.0	17.1
68	126	146	15 46 01.9	+35 59 15	5	0.40	172	17.0	17.0
69	489	468	15 45 32.1	+36 04 38	5	0.30	156	17.0	17.0
70	529	670	15 45 28.8	+36 08 00	6	0.03	176	17.0	17.2
71	1172	1079	15 44 35.7	+36 14 49	6	0.22	177	17.1	17.2
72	1372	1838	15 44 19.0	+36 27 28	5	0.34	155	17.1	17.1
73	0	1294	15 46 12.7	+36 18 23	7	0.30	145	17.1	17.3
74	293	1566	15 45 48.4	+36 22 56	5	0.43	137	17.1	17.1
75	806	841	15 45 05.9	+36 10 52	5	0.50	156	17.1	17.1
76	1151	1180	15 44 37.4	+36 16 30	6	0.33	160	17.1	17.2
77	514	1747	15 45 30.2	+36 25 57	7	0.43	174	17.1	17.4
78	700	1653	15 45 14.8	+36 24 23	5	0.32	161	17.2	17.2
79	1025	1142	15 44 47.9	+36 15 52	5	0.30	158	17.2	17.2
80	271	170	15 45 50.0	+35 59 39	5	0.31	160	17.2	17.2
81	861	1592	15 45 01.4	+36 23 23	5	0.33	165	17.3	17.3
82	855	522	15 45 01.9	+36 05 32	6	0.25	159	17.3	17.5
83	1436	1044	15 44 13.9	+36 14 13	6	0.40	163	17.3	17.3
84	505	1946	15 45 30.9	+36 29 16	5	0.38	153	17.3	17.3
85	244	641	15 45 52.3	+36 07 30	5	0.41	159	17.3	17.3
86	1892	1960	15 43 35.9	+36 29 28	5	0.50	8	17.3	17.3
87	1263	139	15 44 28.3	+35 59 09	5	0.28	132	17.3	17.3
88	950	572	15 44 54.1	+36 06 23	5	0.37	165	17.3	17.3
89	182	1796	15 45 57.7	+36 26 45	5	0.43	175	17.4	17.4
90	712	1380	15 45 13.7	+36 19 50	5	0.40	153	17.4	17.4
91	1573	1105	15 44 02.5	+36 15 14	5	0.16	163	17.4	17.4
92	1657	1846	15 43 55.4	+36 27 35	5	0.63	69	17.4	17.4
93	1337	80	15 44 22.2	+35 58 10	5	0.23	151	17.4	17.4
94	1150	1164	15 44 37.5	+36 16 14	5	0.12	168	17.5	17.5
95	1481	1336	15 44 10.1	+36 19 06	5	0.15	129	17.5	17.5
96	1344	1950	15 44 21.4	+36 29 20	5	0.40	5	17.5	17.5
97	882	611	15 44 59.6	+36 07 02	4	0.49	145	17.6	17.2
98	1760	1630	15 43 47.0	+36 23 59	3	0.37	155	17.7	17.0
99	1285	1840	15 44 26.3	+36 27 30	4	0.20	35	17.7	17.4
99	1285	1840	15 44 26.3	+36 27 30	4	0.20	35	17.7	17.4